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

RE: 2075895 - HARTLEY - BURK RES.

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

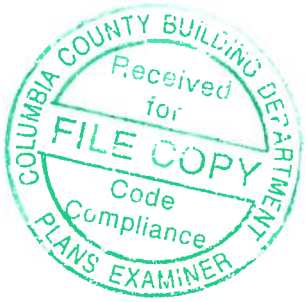
Site Information:
Customer Info: Hartley Brothers Project Name: Burk Res. Model: Tacoma
Lot/Block: N/A Subdivision: N/A
Address: Parcel # 07-7S-17-09931-005, N/A
City: Columbia Cty State: FL

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

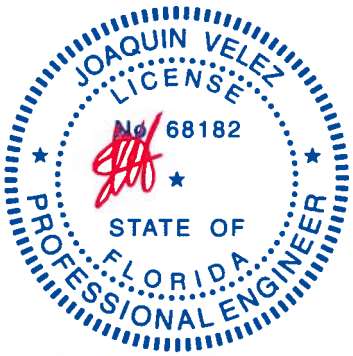
This package includes 56 individual, Truss Design Drawings and 0 Additional Drawings.
With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.

No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	T18088632	CJ02	9/11/19	23	T18088654	T01	9/11/19
2	T18088633	CJ02A	9/11/19	24	T18088655	T02	9/11/19
3	T18088634	CJ02B	9/11/19	25	T18088656	T03	9/11/19
4	T18088635	CJ03	9/11/19	26	T18088657	T04	9/11/19
5	T18088636	CJ04	9/11/19	27	T18088658	T05	9/11/19
6	T18088637	CJ04A	9/11/19	28	T18088659	T06	9/11/19
7	T18088638	CJ04B	9/11/19	29	T18088660	T07	9/11/19
8	T18088639	EJ01	9/11/19	30	T18088661	T08	9/11/19
9	T18088640	EJ03	9/11/19	31	T18088662	T10	9/11/19
10	T18088641	EJ03G	9/11/19	32	T18088663	T10G	9/11/19
11	T18088642	EJ04	9/11/19	33	T18088664	T11	9/11/19
12	T18088643	EJ05	9/11/19	34	T18088665	T12	9/11/19
13	T18088644	EJ06	9/11/19	35	T18088666	T13	9/11/19
14	T18088645	EJ07	9/11/19	36	T18088667	T14	9/11/19
15	T18088646	EJ08	9/11/19	37	T18088668	T15	9/11/19
16	T18088647	EJ09	9/11/19	38	T18088669	T16	9/11/19
17	T18088648	EJ10	9/11/19	39	T18088670	T17	9/11/19
18	T18088649	EJ11	9/11/19	40	T18088671	T18	9/11/19
19	T18088650	HJ06	9/11/19	41	T18088672	T19	9/11/19
20	T18088651	HJ09	9/11/19	42	T18088673	T20	9/11/19
21	T18088652	PB01	9/11/19	43	T18088674	T22	9/11/19
22	T18088653	PB02	9/11/19	44	T18088675	T23	9/11/19



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

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



Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date: September 11,2019

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.

RE: 2075895 - HARTLEY - BURK RES.

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

Site Information:

Customer Info: Hartley Brothers Project Name: Burk Res. Model: Tacoma
Lot/Block: N/A Subdivision: N/A
Address: Parcel # 07-7S-17-09931-005, N/A
City: Columbia Cty State: FL

No.	Seal#	Truss Name	Date
45	T18088676	T24	9/11/19
46	T18088677	T25	9/11/19
47	T18088678	T26	9/11/19
48	T18088679	T27	9/11/19
49	T18088680	T28	9/11/19
50	T18088681	T29	9/11/19
51	T18088682	T30	9/11/19
52	T18088683	T31	9/11/19
53	T18088684	T32	9/11/19
54	T18088685	T33	9/11/19
55	T18088686	T34	9/11/19
56	T18088687	T35	9/11/19

Job	Truss	Truss Type	Qty	Ply	HARTLEY - BURK RES.	T18088632
2075895	CJ02	Jack-Open	2	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Jul 14 2019 MiTek Industries, Inc. Wed Sep 11 11:12:11 2019 Page 1
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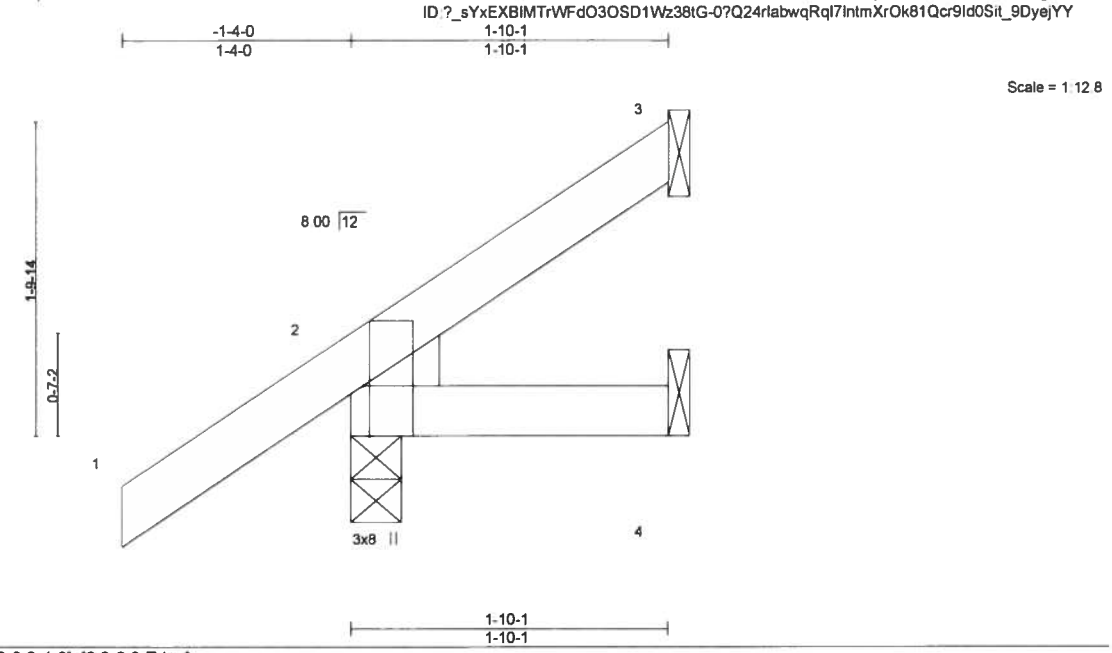


Plate Offsets (X,Y)— [2:0-0-5,0-0-7], [2:0-0-9,0-4-6], [2:0-3-8,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.14	Vert(LL)	-0.00	7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.06	Vert(CT)	-0.00	7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 9 lb	FT = 20%

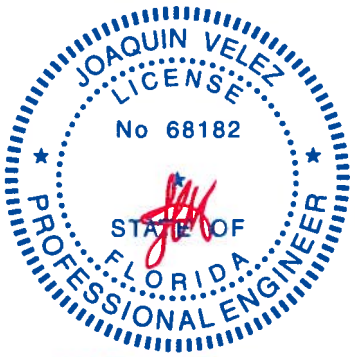
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEDGE
Left: 2x4 SP No.3

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

REACTIONS. (lb/size) 3=29/Mechanical, 2=166/0-3-8, 4=12/Mechanical
Max Horz 2=96(LC 12)
Max Uplift 3=-37(LC 12), 2=-67(LC 12), 4=-18(LC 9)
Max Grav 3=34(LC 19), 2=166(LC 1), 4=29(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; 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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 37 lb uplift at joint 3, 67 lb uplift at joint 2 and 18 lb uplift at joint 4.



Joaquin Velez PE No.68182
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Date:
September 11,2019

Job	Truss	Truss Type	Qty	Ply	HARTLEY - BURK RES	T18088633
2075895	CJ02A	Jack-Open	1	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Jul 14 2019 MiTek Industries, Inc. Wed Sep 11 11:12:12 2019 Page 1
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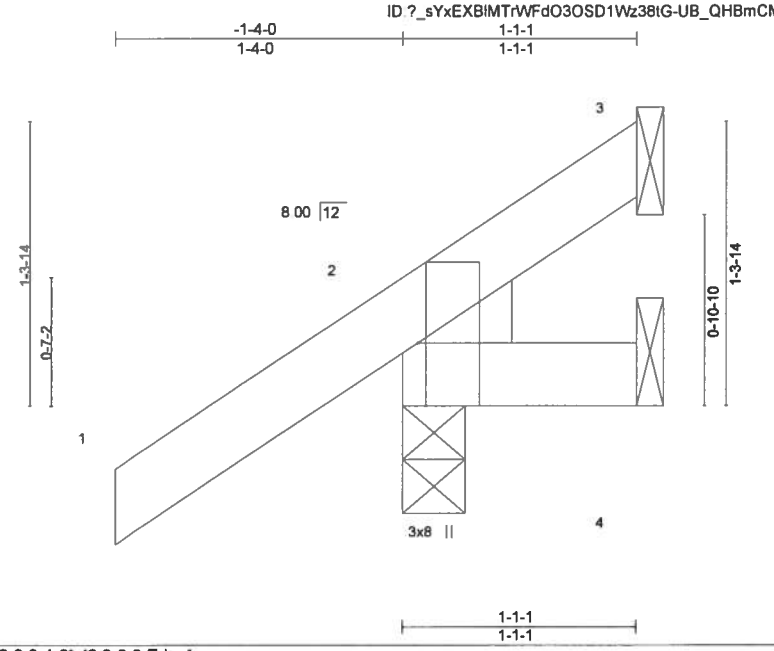


Plate Offsets (X,Y)-- [2:0-0-5,0-0-7], [2:0-0-9,0-4-6], [2:0-3-8,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.14	Vert(LL)	0.00	7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.03	Vert(CT)	0.00	7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 7 lb	FT = 20%

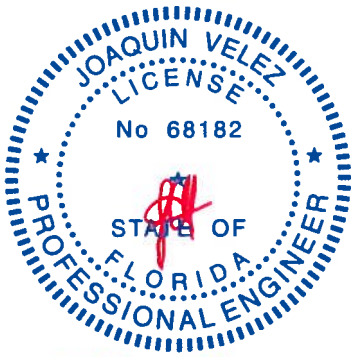
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEDGE
Left: 2x4 SP No.3

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

REACTIONS. (lb/size) 3=3/Mechanical, 2=156/0-3-8, 4=-8/Mechanical
Max Horz 2=48(LC 12)
Max Uplift 3=-9(LC 12), 2=-40(LC 12), 4=-8(LC 1)
Max Grav 3=9(LC 10), 2=156(LC 1), 4=12(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) 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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 9 lb uplift at joint 3, 40 lb uplift at joint 2 and 8 lb uplift at joint 4.



Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
September 11,2019

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 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, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

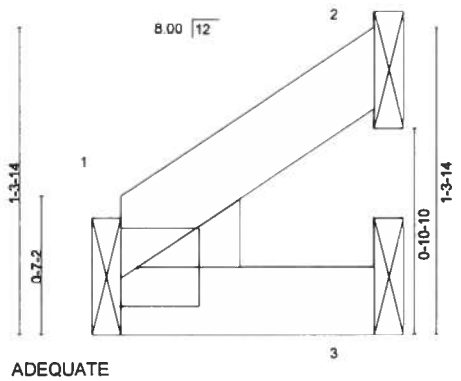
Job	Truss	Truss Type	Qty	Ply	HARTLEY - BURK RES. T18088634
2075895	CJ02B	JACK-OPEN	1	1	Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Jul 14 2019 MiTek Industries, Inc. Wed Sep 11 11:12:13 2019 Page 1

ID:?_sYxEXBlMTrWFdO3OSD1Wz38tG-yOYpVXnq7Y493cG8uIo?wpqWYEHydC7Jw0M5E5yejYW

1-1-1
1-1-1

Scale = 1:9.5



ADEQUATE SUPPORT REQUIRED

4x4 =

1-1-1
1-1-1

Plate Offsets (X,Y)-- [1:0-0-7,0-0-5], [1:0-4-6,0-0-9]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.01	Vert(LL)	0.00	6	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.02	Vert(CT)	-0.00	6	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 5 lb	FT = 20%

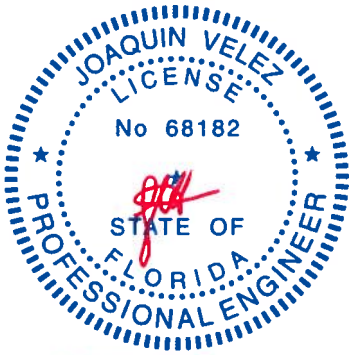
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEDGE
Left: 2x4 SP No.3

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

REACTIONS. (lb/size) 2=23/Mechanical, 3=17/Mechanical, 1=40/Mechanical
Max Horz 1=35(LC 12)
Max Uplift 2=-26(LC 12), 3=-12(LC 12)
Max Grav 2=27(LC 19), 3=20(LC 19), 1=40(LC 1)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 26 lb uplift at joint 2 and 12 lb uplift at joint 3.



Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
September 11,2019

Job	Truss	Truss Type	Qty	Ply	HARTLEY - BURK RES.	T18088635
2075895	CJ03	Jack-Open	2	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Jul 14 2019 MiTek Industries, Inc. Wed Sep 11 11:12:14 2019 Page 1

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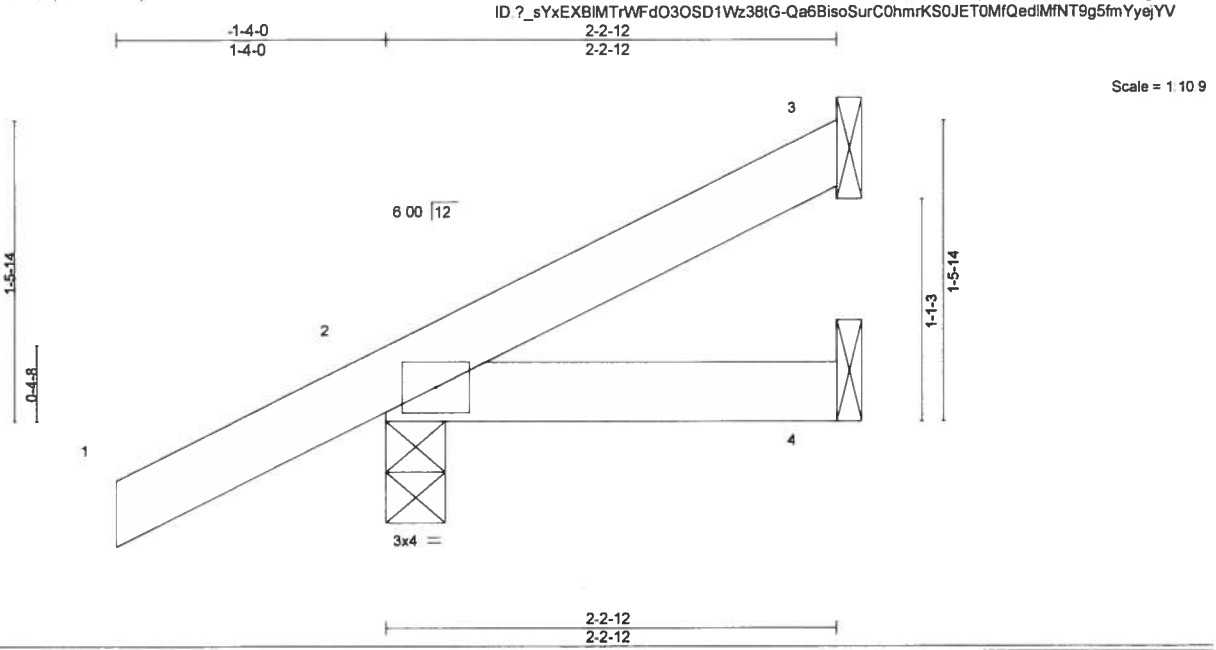


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.13	Vert(LL)	-0.00	7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.04	Vert(CT)	-0.00	7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 9 lb	FT = 20%

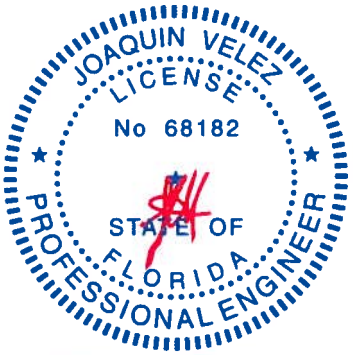
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 3=40/Mechanical, 2=174/0-3-8, 4=18/Mechanical
Max Horz 2=80(LC 12)
Max Uplift 3=-36(LC 12), 2=-84(LC 12), 4=-18(LC 9)
Max Grav 3=40(LC 1), 2=174(LC 1), 4=35(LC 3)

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

NOTES-
1) Wind: ASCE 7-10; 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; 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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 36 lb uplift at joint 3, 84 lb uplift at joint 2 and 18 lb uplift at joint 4.



Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
September 11,2019

Job	Truss	Truss Type	Qty	Ply	HARTLEY - BURK RES.	T18088636
2075895	CJ04	JACK-OPEN	2	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Jul 14 2019 MiTek Industries, Inc. Wed Sep 11 11:12:15 2019 Page 1
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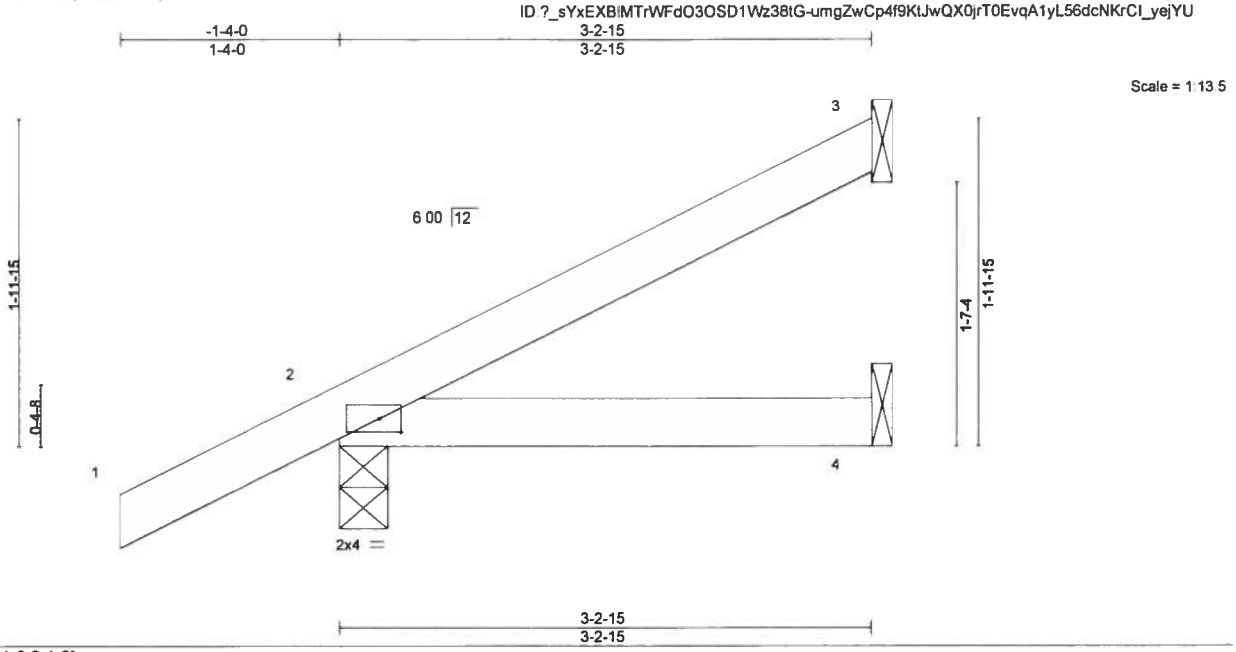


Plate Offsets (X,Y)— [2:0-1-9,0-1-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.13	Vert(LL)	0.01	4-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.09	Vert(CT)	-0.01	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 13 lb	FT = 20%

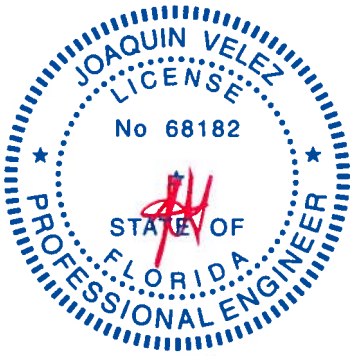
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-2-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 3=68/Mechanical, 2=205/0-3-8, 4=35/Mechanical
Max Horz 2=105(LC 12)
Max Uplift 3=-62(LC 12), 2=-90(LC 12), 4=-2(LC 12)
Max Grav 3=68(LC 1), 2=205(LC 1), 4=55(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;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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 62 lb uplift at joint 3, 90 lb uplift at joint 2 and 2 lb uplift at joint 4.



Joaquin Velez PE No.68182
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6904 Parke East Blvd. Tampa FL 33610
Date:
September 11,2019

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6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	HARTLEY - BURK RES	T18088637
2075895	CJ04A	Jack-Open	1	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Jul 14 2019 MiTek Industries, Inc. Wed Sep 11 11:12:15 2019 Page 1
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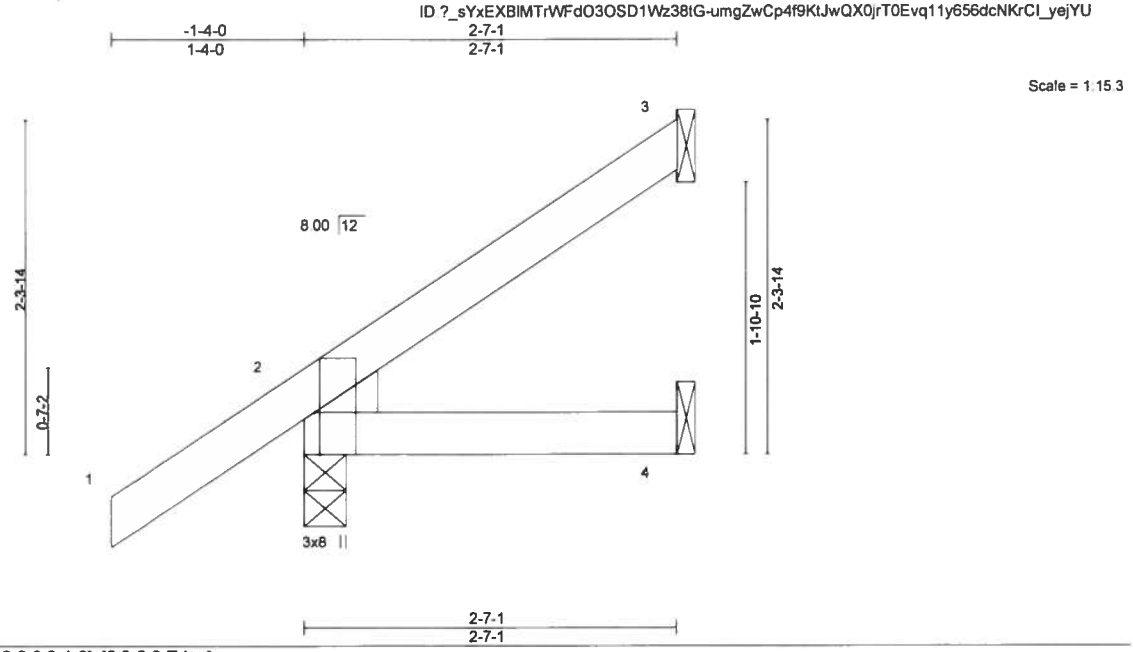


Plate Offsets (X,Y)— [2:0-0-5,0-0-7], [2:0-0-9,0-4-6], [2:0-3-8,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.14	Vert(LL)	-0.00	7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.10	Vert(CT)	-0.01	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 12 lb	FT = 20%

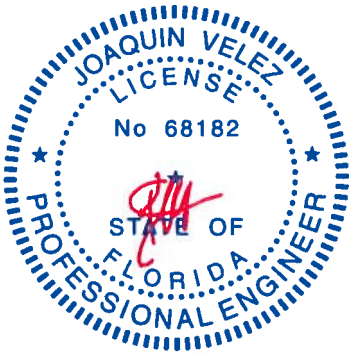
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEDGE
Left: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-7-1 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 3=50/Mechanical, 2=184/0-3-8, 4=25/Mechanical
Max Horz 2=119(LC 12)
Max Uplift 3=-58(LC 12), 2=-66(LC 12), 4=-7(LC 12)
Max Grav 3=60(LC 19), 2=184(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;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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 58 lb uplift at joint 3, 66 lb uplift at joint 2 and 7 lb uplift at joint 4.



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Job	Truss	Truss Type	Qty	Ply	HARTLEY - BURK RES	T18088638
2075895	CJ04B	JACK-OPEN	1	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Jul 14 2019 MiTek Industries, Inc. Wed Sep 11 11:12:16 2019 Page 1
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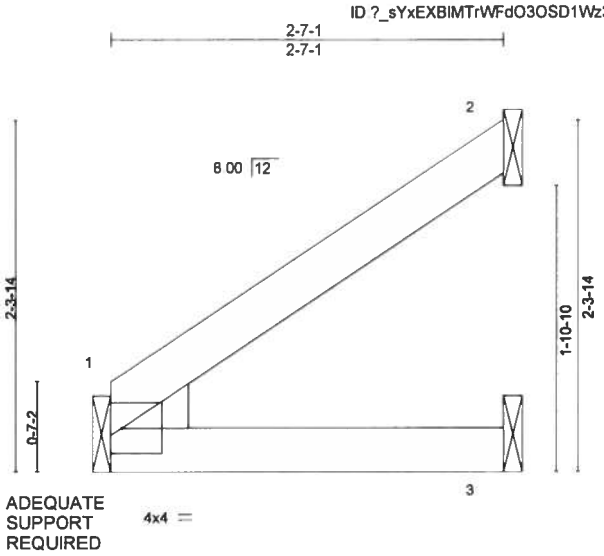


Plate Offsets (X,Y)— [1:0-0-7,0-0-5], [1:0-4-6,0-0-9]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.08	Vert(LL)	0.00	6	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.08	Vert(CT)	-0.01	3-6	>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: 9 lb	FT = 20%

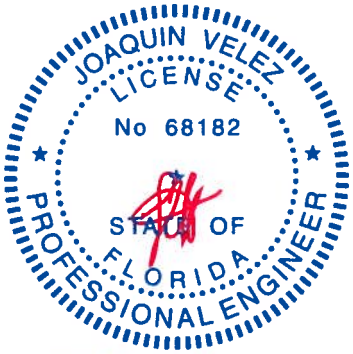
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEDGE
Left: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-7-1 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 2=58/Mechanical, 3=35/Mechanical, 1=93/Mechanical
Max Horz 1=82(LC 12)
Max Uplift 2=-65(LC 12), 3=-15(LC 12), 1=-7(LC 12)
Max Grav 2=68(LC 19), 3=46(LC 3), 1=93(LC 1)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 65 lb uplift at joint 2, 15 lb uplift at joint 3 and 7 lb uplift at joint 1.



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Job	Truss	Truss Type	Qty	Ply	HARTLEY - BURK RES.	T18088639
2075895	EJ01	JACK-PARTIAL	8	1	Job Reference (optional)	

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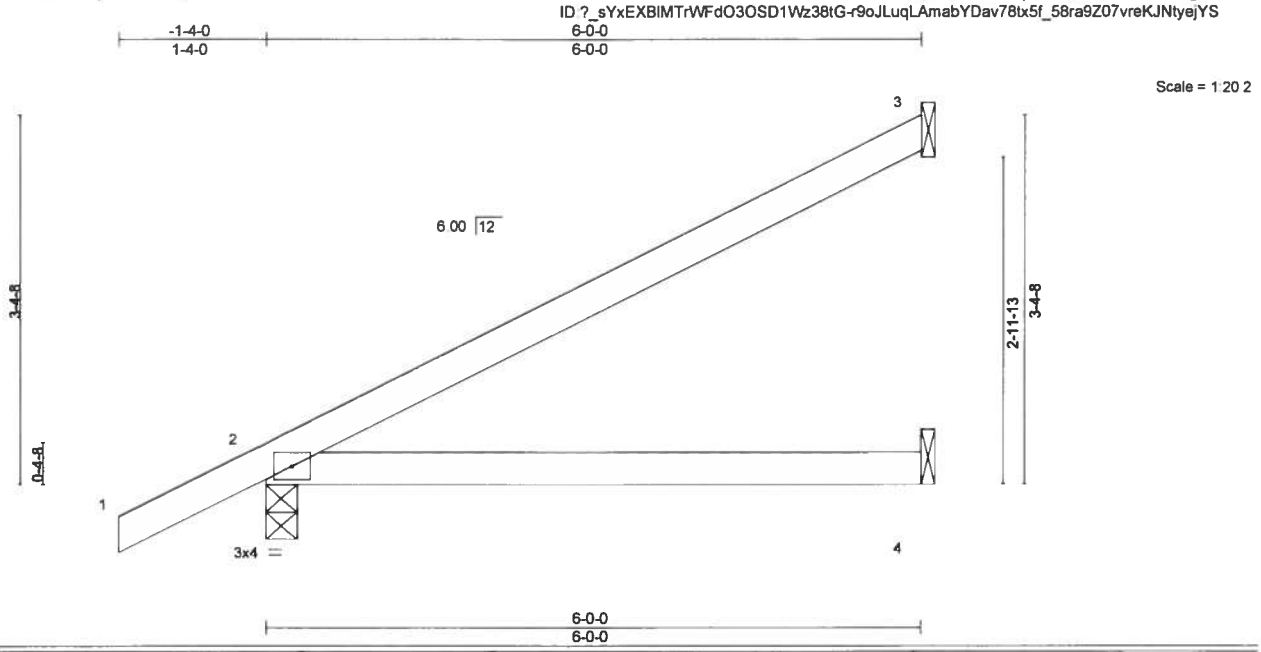


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.49	Vert(LL)	0.08	4-7	>890	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.38	Vert(CT)	-0.11	4-7	>620	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 21 lb	FT = 20%

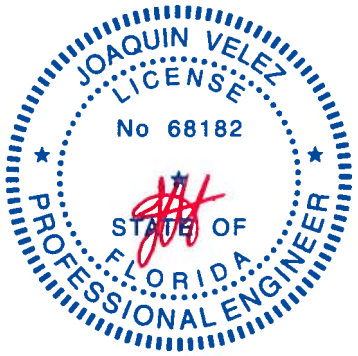
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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. (lb/size) 3=139/Mechanical, 2=300/0-3-8, 4=72/Mechanical
Max Horz 2=118(LC 12)
Max Uplift 3=-81(LC 12), 2=-60(LC 12)
Max Grav 3=139(LC 1), 2=300(LC 1), 4=107(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) 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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 81 lb uplift at joint 3 and 60 lb uplift at joint 2.



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September 11,2019

Job	Truss	Truss Type	Qty	Ply	HARTLEY - BURK RES.	T18088640
2075895	EJ03	Jack-Partial	26	1	Job Reference (optional)	

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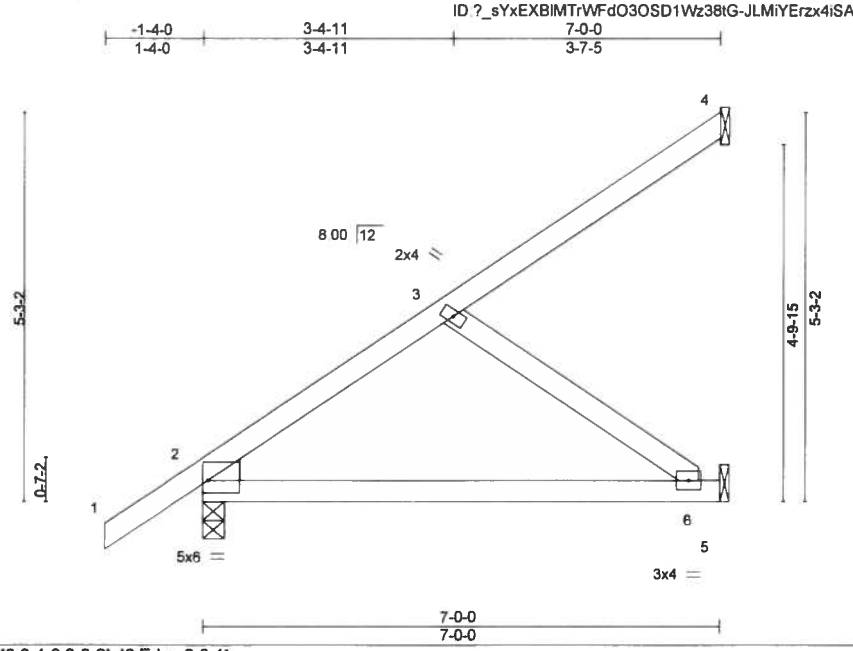

Plate Offsets (X,Y)-- [2:0-0-7,0-0-5], [2:0-4-6,0-0-9], [2:Edge,0-2-1]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.34	Vert(LL)	-0.07	6-9	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.42	Vert(CT)	-0.14	6-9	>585	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.12	Horz(CT)	0.01	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 32 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
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. (lb/size) 4=77/Mechanical, 2=336/0-3-8, 5=173/Mechanical
Max Horz 2=181(LC 12)
Max Uplift 4=-61(LC 12), 2=-37(LC 12), 5=-62(LC 12)
Max Grav 4=85(LC 19), 2=336(LC 1), 5=189(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
BOT CHORD 2-6=-192/263
WEBS 3-6=-322/236

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) 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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 61 lb uplift at joint 4, 37 lb uplift at joint 2 and 62 lb uplift at joint 5.

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Job	Truss	Truss Type	Qty	Ply	HARTLEY - BURK RES	T18088641
2075895	EJ03G	GABLE COMMON	1	1	Job Reference (optional)	

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ID:?_sYxEXBlMTrWFdO3OSD1Wz38tG-nYv4IasbiOqJnXkIFZvPA44WrfKO1wjCIxpQRIyejYQ

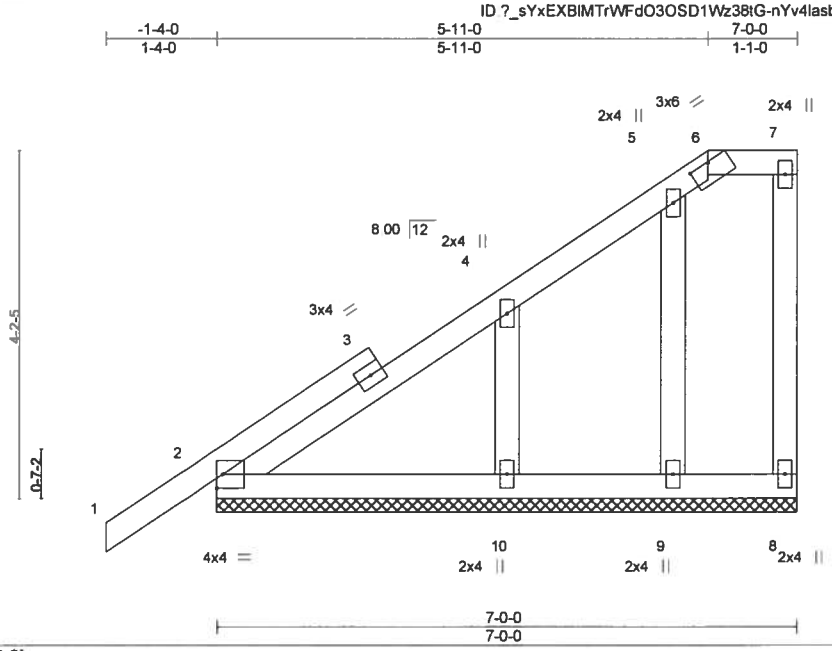


Plate Offsets (X,Y)— [6:0-3-0,0-0-2]

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	0.15	Vert(LL)	0.00	1	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.08	Vert(CT)	0.00	1	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 42 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.3
OTHERS	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 10-0-0 oc bracing.

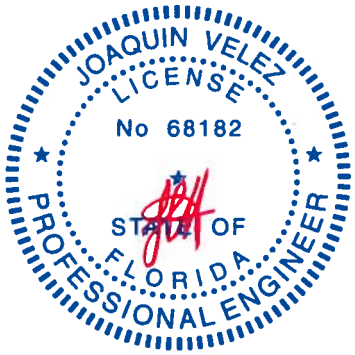
REACTIONS. All bearings 7-0-0.

(lb) - Max Horz 2=149(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 8, 9 except 10=-103(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 2, 8, 9 except 10=254(LC 19)

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) 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) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) Provide adequate drainage to prevent water ponding.
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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8, 9 except (jt=lb) 10=103.



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Date:
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Job	Truss	Truss Type	Qty	Ply	HARTLEY - BURK RES. T18088642
2075895	EJ04	Half Hip	1	1	Job Reference (optional)

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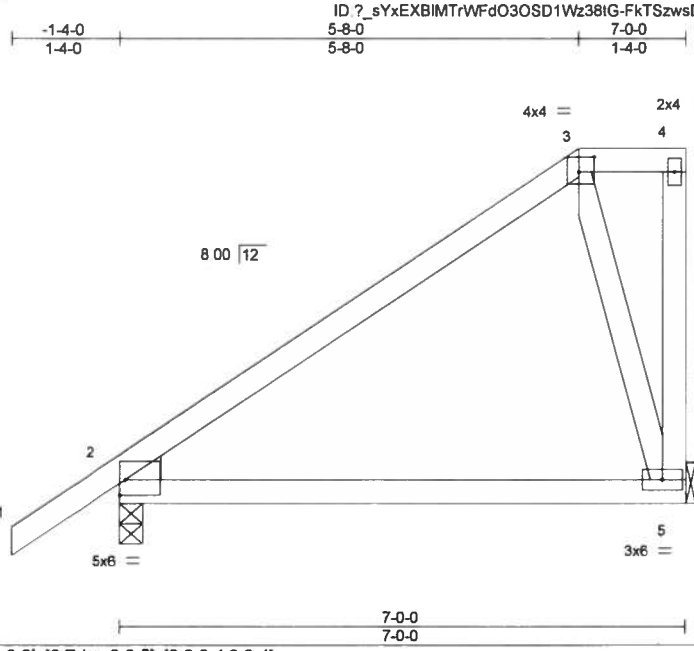

Plate Offsets (X,Y)-- [2:0-0-7,0-0-5], [2:0-4-6,0-0-9], [2:Edge,0-2-5], [3:0-2-4,0-2-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.38	Vert(LL)	-0.07	5-8	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.38	Vert(CT)	-0.14	5-8	>581	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.10	Horz(CT)	0.02	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 37 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
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, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 2=333/0-3-8, 5=247/Mechanical
Max Horz 2=153(LC 12)
Max Uplift 2=-52(LC 12), 5=-91(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-5=-292/256

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) 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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
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) 2, 5.

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Job	Truss	Truss Type	Qty	Ply	HARTLEY - BURK RES	T18088643
2075895	EJ05	Half Hip	1	1	Job Reference (optional)	

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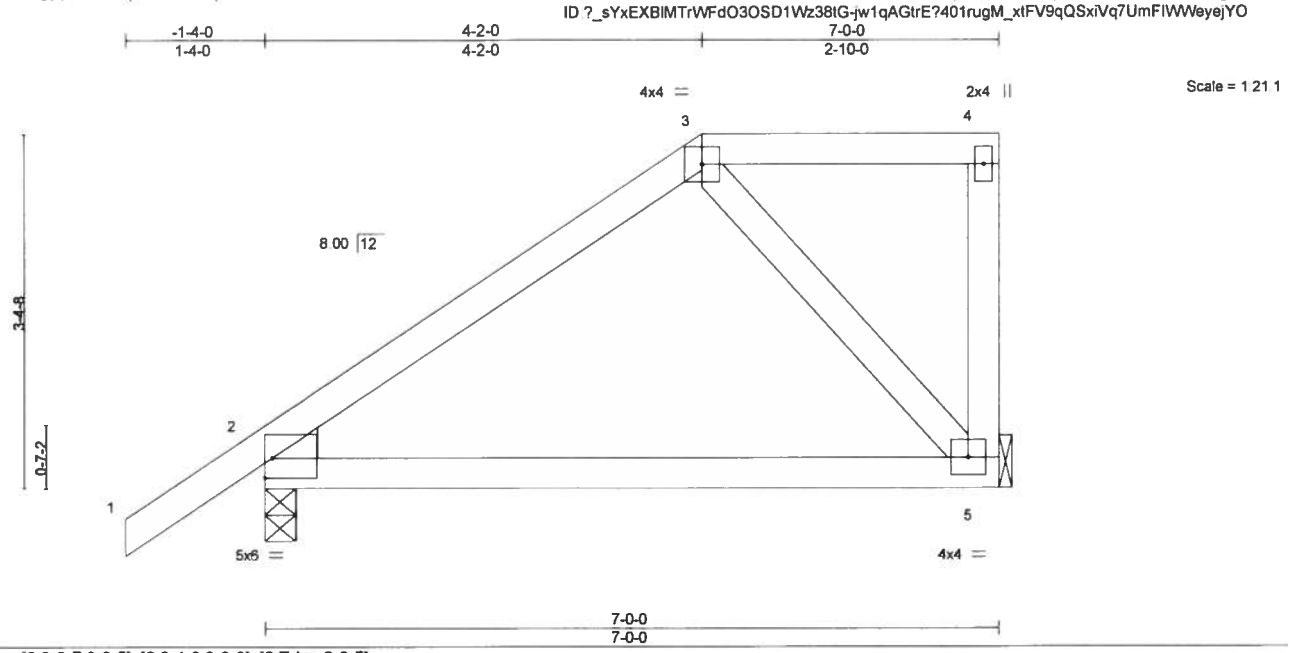


Plate Offsets (X,Y)-- [2:0-0-7,0-0-5], [2:0-4-6,0-0-9], [2:Edge,0-2-5]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.28	Vert(LL)	-0.06	5-8	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.34	Vert(CT)	-0.12	5-8	>697	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.01	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 35 lb	FT = 20%

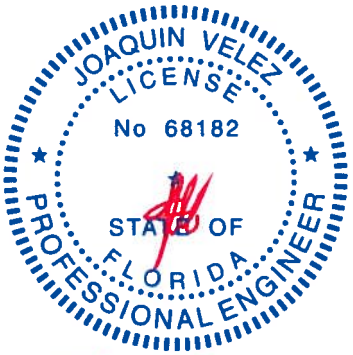
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
WEDGE
Left: 2x4 SP No.3

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

REACTIONS. (lb/size) 2=333/0-3-8, 5=247/Mechanical
Max Horz 2=119(LC 12)
Max Uplift 2=-64(LC 12), 5=-69(LC 9)

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) 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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
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) 2, 5.



Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
September 11,2019

Job	Truss	Truss Type	Qty	Ply	HARTLEY - BURK RES.	T18088644
2075895	EJ06	Half Hip	1	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Jul 14 2019 MiTek Industries, Inc. Wed Sep 11 11:12:22 2019 Page 1
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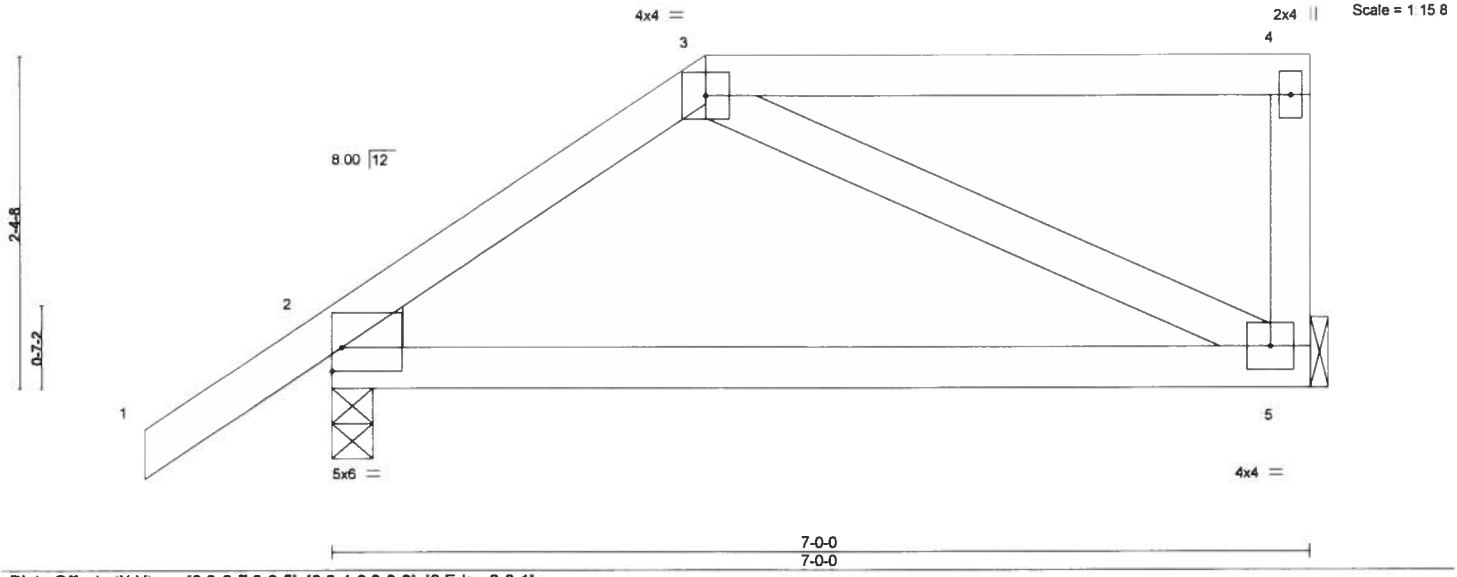


Plate Offsets (X,Y)-- [2:0-0-7,0-0-5], [2:0-4-6,0-0-9], [2:Edge,0-2-1]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.27	Vert(LL)	-0.05	5-8	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.31	Vert(CT)	-0.09	5-8	>881	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.01	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 34 lb	FT = 20%

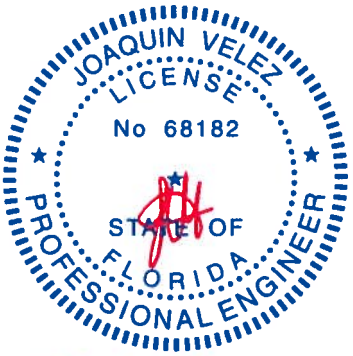
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
WEDGE
Left: 2x4 SP No.3

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

REACTIONS. (lb/size) 2=333/0-3-8, 5=247/Mechanical
Max Horz 2=85(LC 12)
Max Uplift 2=-68(LC 12), 5=-67(LC 9)

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) 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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
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) 2, 5.



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September 11,2019

Job	Truss	Truss Type	Qty	Ply	HARTLEY - BURK RES.	T18088645
2075895	EJ07	GABLE COMMON	1	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Jul 14 2019 MiTek Industries, Inc. Wed Sep 11 11:12:26 2019 Page 1
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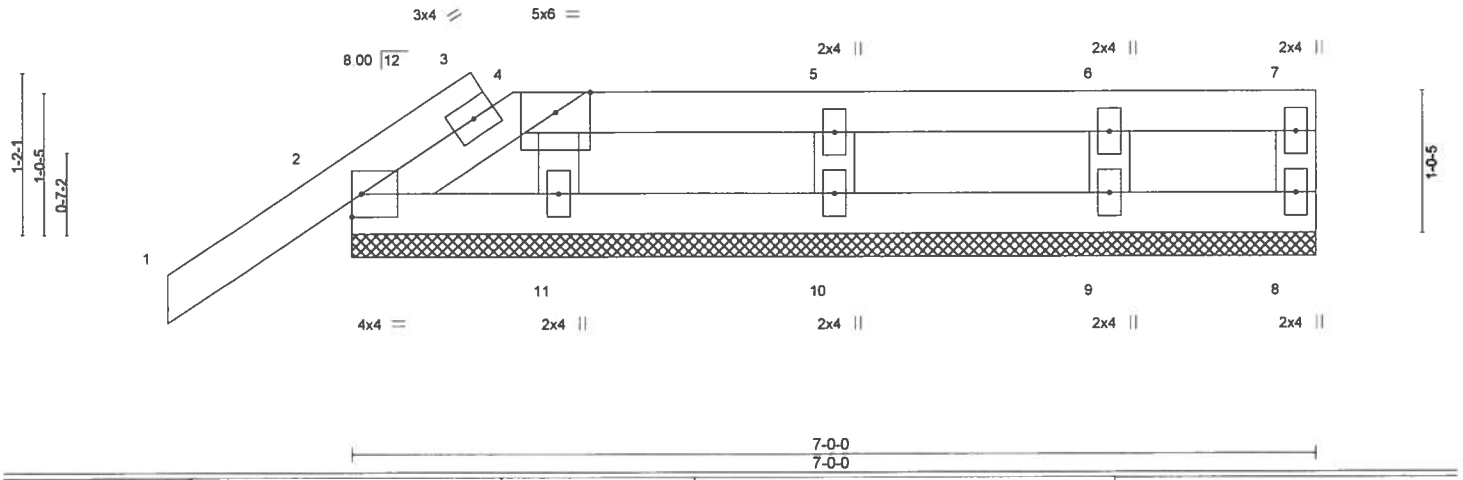
Scale: 3/4"=1'



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.11	Vert(LL)	-0.00	1	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.03	Vert(CT)	-0.00	1	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 28 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
OTHERS 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 10-0-0 oc bracing.

REACTIONS. All bearings 7-0-0.
(lb) - Max Horz 2=41(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 2, 8, 10, 11, 9
Max Grav All reactions 250 lb or less at joint(s) 2, 8, 10, 11, 9

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) 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) Gable requires continuous bottom chord bearing.
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.
9) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 8, 10, 11, 9.

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Job	Truss	Truss Type	Qty	Ply	HARTLEY - BURK RES.	T18088646
2075895	EJ08	GABLE	1	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Jul 14 2019 MiTek Industries, Inc. Wed Sep 11 11:12:27 2019 Page 1
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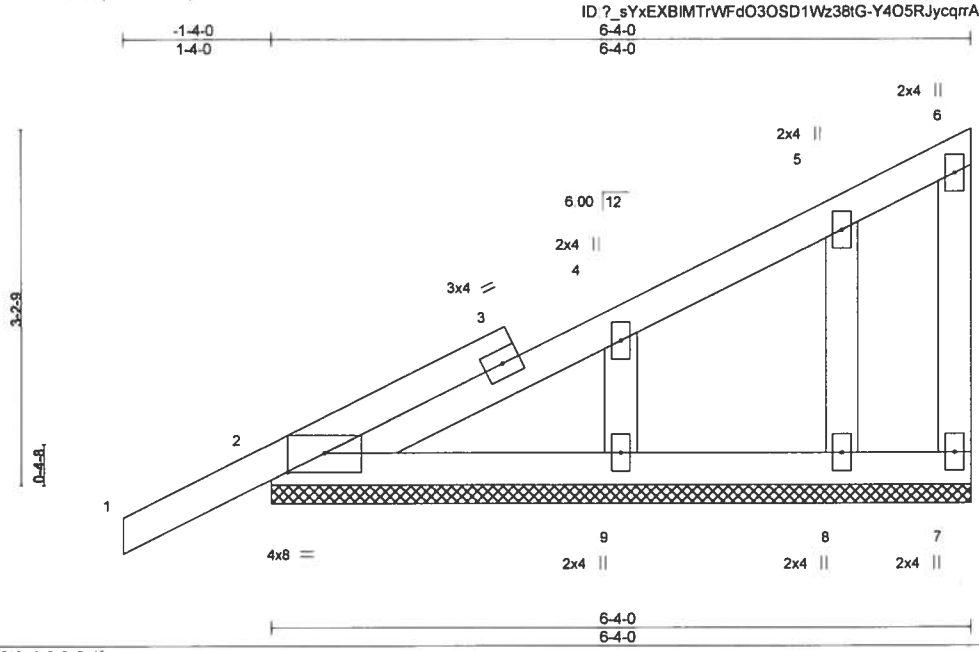


Plate Offsets (X,Y)-- [2:0-4-0,0-2-1]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.13	Vert(LL)	0.00	1	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.08	Vert(CT)	0.00	1	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00		n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-P							Weight: 34 lb	FT = 20%

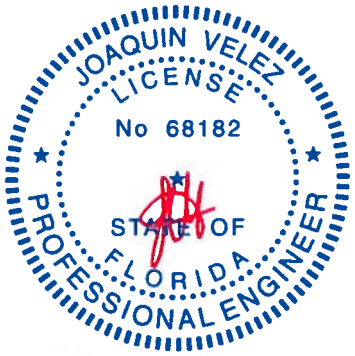
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3

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

REACTIONS. All bearings 6-4-0.
(lb) - Max Horz 2=163(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 2, 7, 8 except 9=-105(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 2, 7, 9, 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; 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) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) Gable requires continuous bottom chord bearing.
4) Gable studs spaced at 2-0-0 oc.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 7, 8 except (jt=lb) 9=105.



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Job	Truss	Truss Type	Qty	Ply	HARTLEY - BURK RES.	T18088647
2075895	EJ09	JACK-OPEN	4	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Jul 14 2019 MiTek Industries, Inc. Wed Sep 11 11:12:28 2019 Page 1
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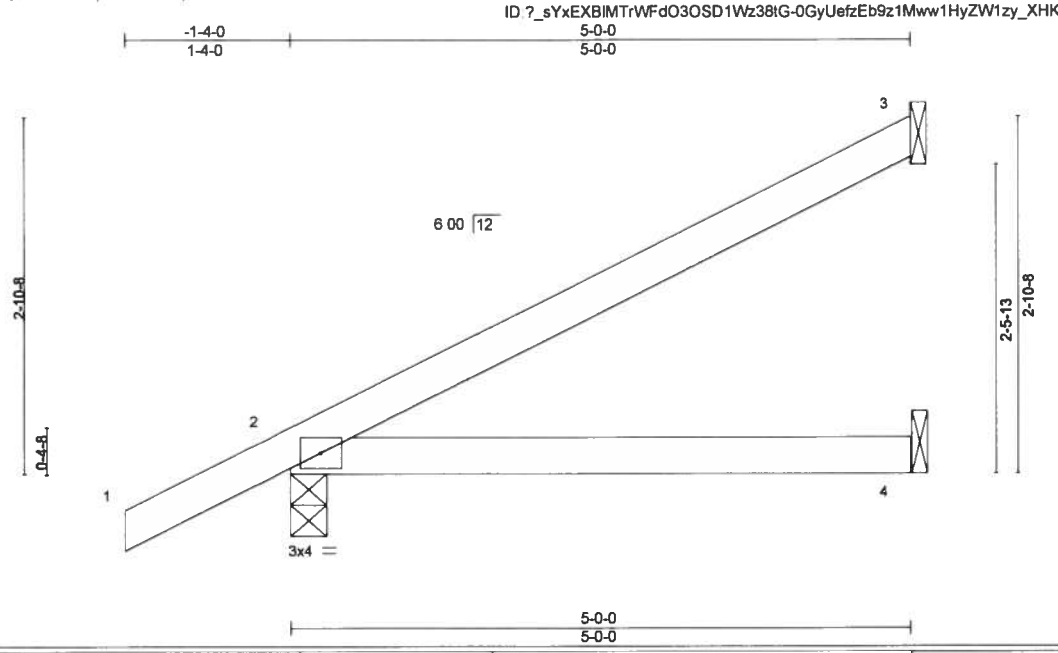

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.41	Vert(LL)	0.09	4-7	>655	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.38	Vert(CT)	0.08	4-7	>750	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 18 lb	FT = 20%

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

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

REACTIONS. (lb/size) 3=114/Mechanical, 2=264/0-3-8, 4=59/Mechanical
Max Horz 2=148(LC 12)
Max Uplift 3=-103(LC 12), 2=-105(LC 12), 4=-47(LC 9)
Max Grav 3=114(LC 1), 2=264(LC 1), 4=88(LC 3)

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

NOTES-
1) Wind: ASCE 7-10; 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; 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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 3=103, 2=105.

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September 11,2019

Job	Truss	Truss Type	Qty	Ply	HARTLEY - BURK RES.	T18088648
2075895	EJ10	JACK-OPEN GIRDER	1	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Jul 14 2019 MiTek Industries, Inc. Wed Sep 11 11:12:31 2019 Page 1
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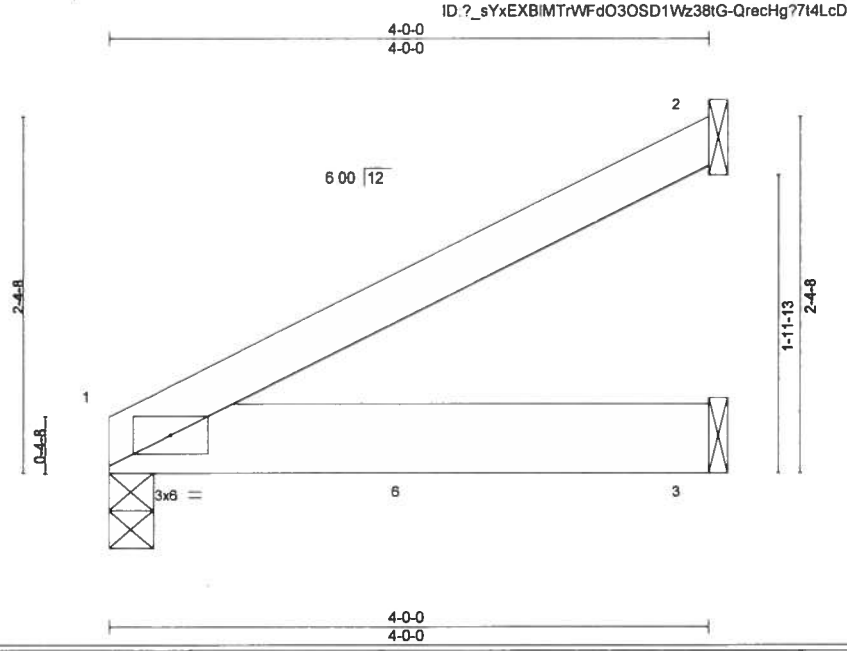


LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.16	Vert(LL) -0.01 3-5 >999 240	MT20 244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.17	Vert(CT) -0.01 3-5 >999 180	
BCLL 0.0 *	Rep Stress Incr NO	WB 0.00	Horz(CT) -0.00 2 n/a n/a	
BCDL 10.0	Code FBC2017/TPI2014	Matrix-MP		Weight: 16 lb FT = 20%

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

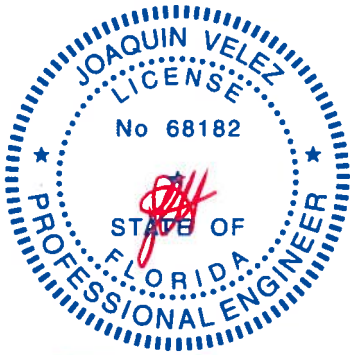
BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 1=181/0-3-8, 2=81/Mechanical, 3=103/Mechanical
Max Horz 1=96(LC 8)
Max Uplift 1=-50(LC 8), 2=-72(LC 8), 3=-26(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; 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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 2, 3.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 73 lb down and 25 lb up at 2-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-54, 1-3=-20
Concentrated Loads (lb)
Vert: 6=-73(F)



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Date:
September 11,2019

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 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, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

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Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	HARTLEY - BURK RES	T18088649
2075895	EJ11	JACK-OPEN	1	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Jul 14 2019 MiTek Industries, Inc. Wed Sep 11 11:12:33 2019 Page 1
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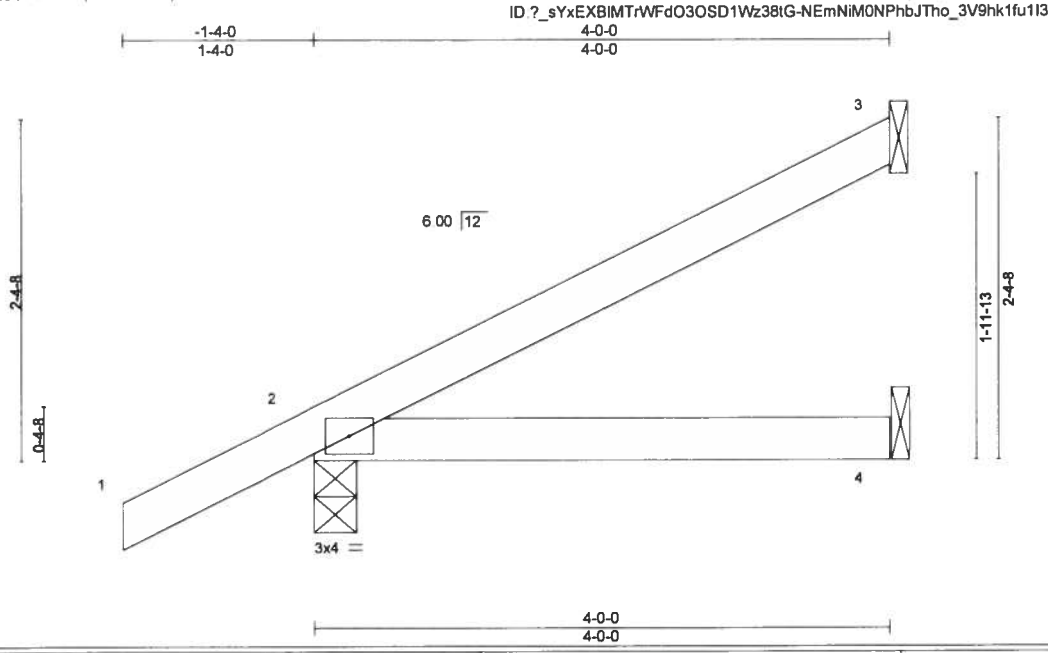


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.24	Vert(LL)	0.03	4-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.22	Vert(CT)	0.03	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 15 lb	FT = 20%

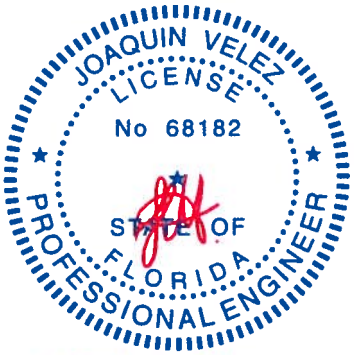
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. (lb/size) 3=88/Mechanical, 2=230/0-3-8, 4=45/Mechanical
Max Horz 2=124(LC 12)
Max Uplift 3=-79(LC 12), 2=-96(LC 12), 4=-37(LC 9)
Max Grav 3=88(LC 1), 2=230(LC 1), 4=70(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; 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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2, 4.



Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
September 11,2019

Job	Truss	Truss Type	Qty	Ply	HARTLEY - BURK RES.	T18088650
2075895	HJ06	Diagonal Hip Girder	2	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8 240 s Jul 14 2019 MiTek Industries, Inc. Wed Sep 11 11:12:36 2019 Page 1
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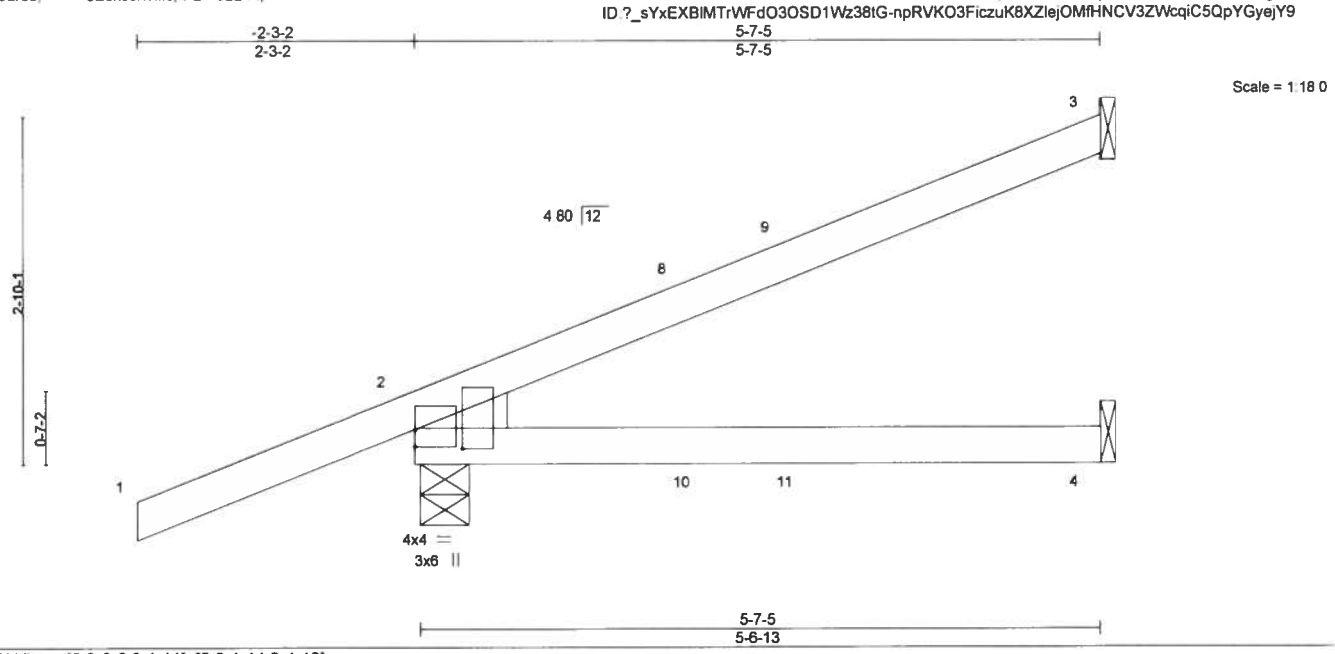


Plate Offsets (X,Y)-- [2:0-0-0,0-1-11], [2:0-1-14,0-4-10]

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	0.37	Vert(LL)	0.08	4-7	>868	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.32	Vert(CT)	-0.08	4-7	>822	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.00	Horz(CT)	-0.01	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 22 lb	FT = 20%

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

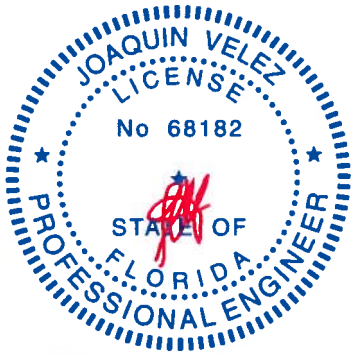
BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-7-5 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 3=190/Mechanical, 2=352/0-4-13, 4=102/Mechanical
Max Horz 2=146(LC 8)
Max Uplift 3=-177(LC 8), 2=-243(LC 4), 4=-87(LC 5)
Max Grav 3=190(LC 1), 2=352(LC 1), 4=153(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; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 3=177, 2=243.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 19 lb down and 20 lb up at 2-3-9, and 79 lb down and 25 lb up at 3-1-11, and 69 lb down and 103 lb up at 5-6-9 on top chord, and 10 lb down and 23 lb up at 2-3-9, and 9 lb down and 22 lb up at 3-1-11, and 56 lb down and 62 lb up at 5-6-9 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 4-5=-20
Concentrated Loads (lb)
Vert: 3=-69(B) 4=-43(B) 10=-0(B) 11=2(F)



Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
September 11,2019

Job	Truss	Truss Type	Qty	Ply	HARTLEY - BURK RES.	T18088651
2075895	HJ09	DIAGONAL HIP GIRDER	2	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Jul 14 2019 MiTek Industries, Inc. Wed Sep 11 11:12:39 2019 Page 1
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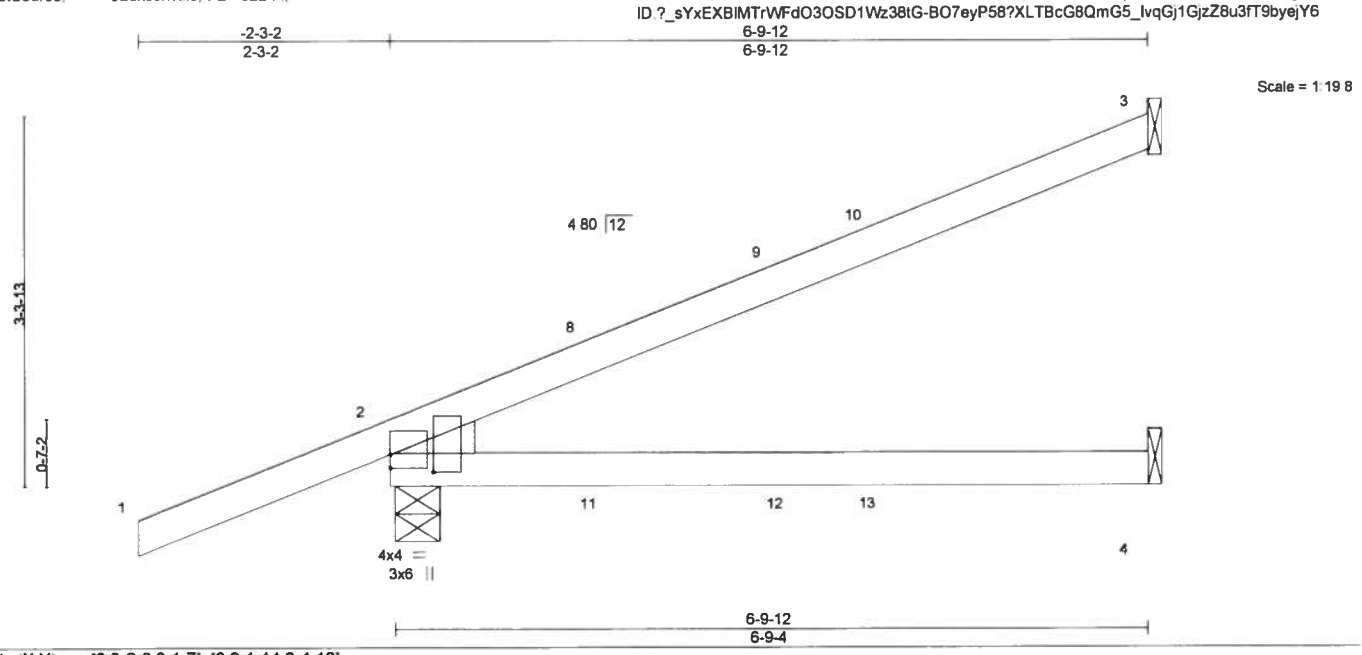


Plate Offsets (X,Y)-- [2:0-0-0,0-1-7], [2:0-1-14,0-4-10]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.64	Vert(LL)	0.16	4-7	>502	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.51	Vert(CT)	-0.19	4-7	>434	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.00	Horz(CT)	-0.03	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 26 lb	FT = 20%

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

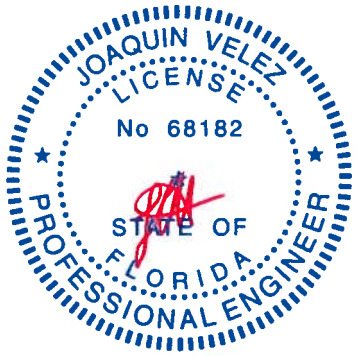
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 3=251/Mechanical, 2=404/0-4-13, 4=143/Mechanical
Max Horz 2=169(LC 8)
Max Uplift 3=-189(LC 8), 2=-221(LC 4), 4=-14(LC 8)
Max Grav 3=251(LC 1), 2=404(LC 1), 4=196(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; 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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 3=189, 2=221.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 72 lb down and 13 lb up at 1-10-11, 31 lb down and 50 lb up at 3-6-13, and 95 lb down and 57 lb up at 4-4-11, and 96 lb down and 81 lb up at 6-9-0 on top chord, and 9 lb down and 16 lb up at 1-10-11, 24 lb down and 11 lb up at 3-6-13, and 25 lb down and 23 lb up at 4-4-11, and 75 lb down at 6-9-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 4-5=-20
Concentrated Loads (lb)
Vert: 3=-96(F) 4=-56(F) 10=-1(B) 11=-7(B) 12=-6(F) 13=-10(B)



Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
September 11,2019

Job	Truss	Truss Type	Qty	Ply	HARTLEY - BURK RES.	T18088652
2075895	PB01	GABLE	2	1	Job Reference (optional)	

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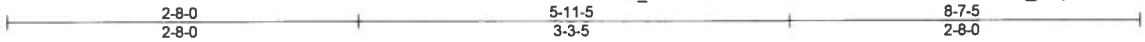

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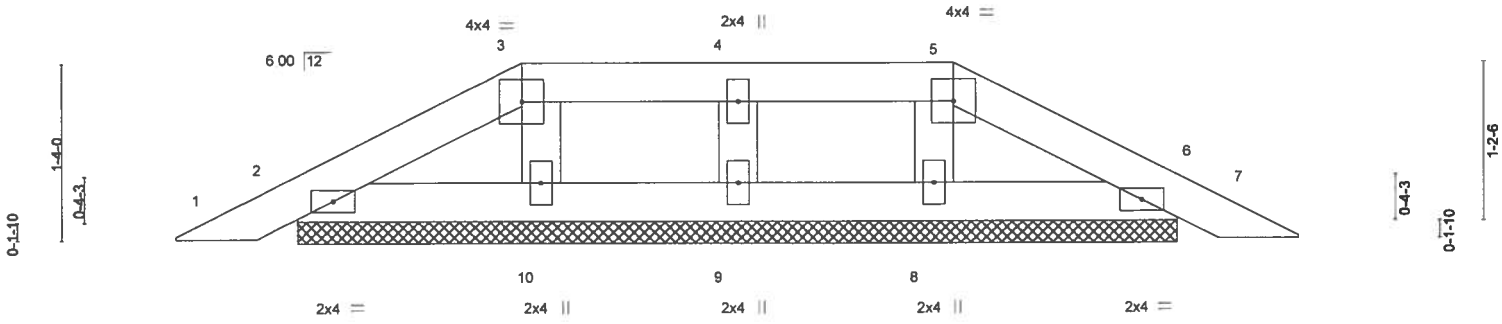
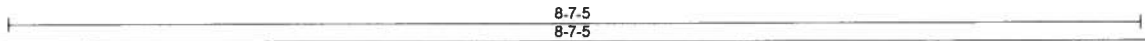




LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.04	Vert(LL)	0.00	6	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.03	Vert(CT)	0.00	6	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-P							Weight: 26 lb	FT = 20%

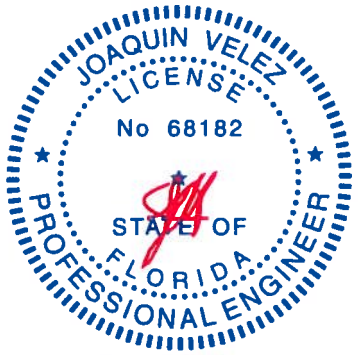
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3

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

REACTIONS. All bearings 6-8-3.
(lb) - Max Horz 2=-16(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 6, 9, 8, 10
Max Grav All reactions 250 lb or less at joint(s) 2, 6, 9, 8, 10

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) 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) Gable requires continuous bottom chord bearing.
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.
9) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6, 9, 8, 10.
11) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
September 11,2019

Job	Truss	Truss Type	Qty	Ply	HARTLEY - BURK RES.	T18088653
2075895	PB02	Piggyback	19	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8 240 s Jul 14 2019 MiTek Industries, Inc. Wed Sep 11 11:12:43 2019 Page 1
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4-3-11 / 4-3-11 — 8-7-5 / 4-3-11

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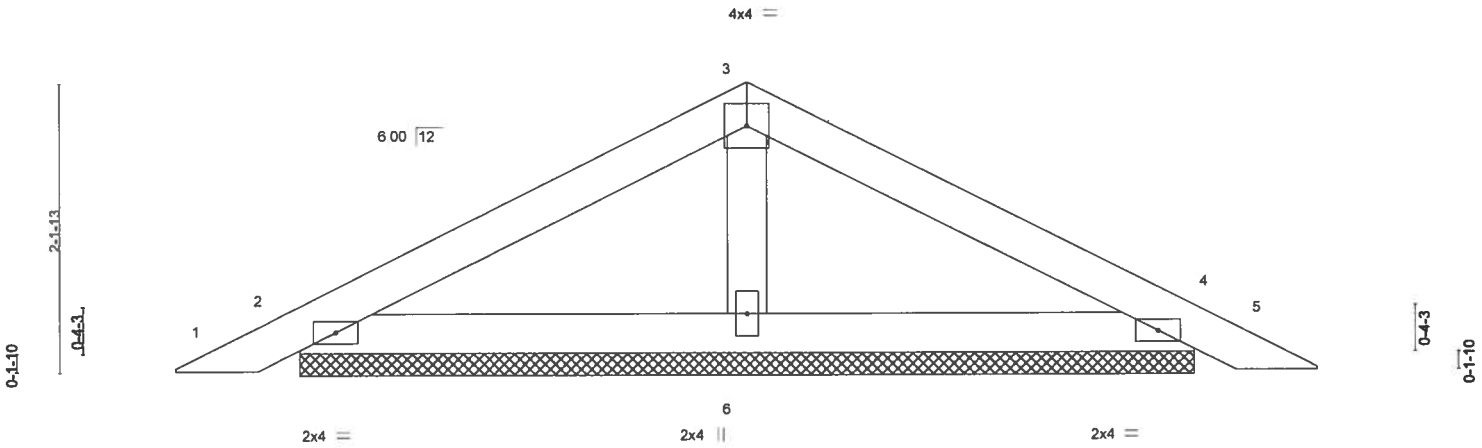


8-7-5 / 8-7-5

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.20	Vert(LL)	0.01	5	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.11	Vert(CT)	0.01	5	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-P							Weight: 26 lb	FT = 20%

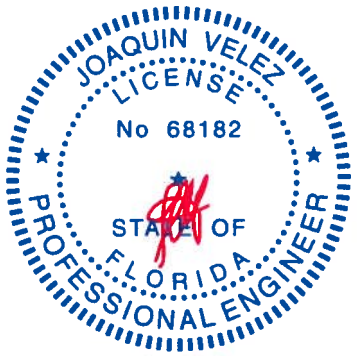
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3

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. (lb/size) 2=161/6-8-3, 4=161/6-8-3, 6=240/6-8-3
Max Horz 2=27(LC 11)
Max Uplift 2=-51(LC 12), 4=-56(LC 13), 6=-25(LC 12)

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) 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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4, 6.
8) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
September 11,2019

MiTek
6904 Parke East Blvd
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	HARTLEY - BURK RES	T18088654
2075895	T01	Roof Special Girder	1	1	Job Reference (optional)	

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8.240 s Jul 14 2019 MiTek Industries, Inc. Wed Sep 11 11:12:46 2019 Page 1

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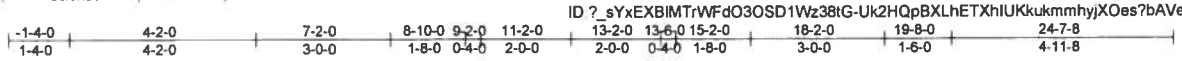

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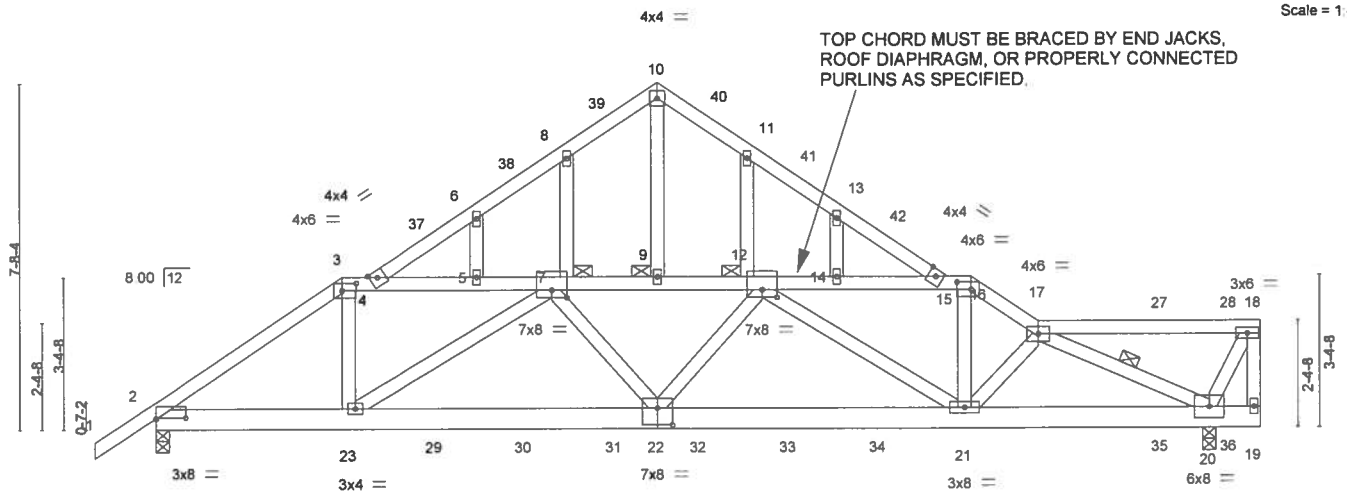


Plate Offsets (X,Y)-- [2:0-8-0,0-0-5], [3:0-3-12,0-2-0], [7:0-4-0,0-2-0], [12:0-4-0,0-2-0], [16:0-3-12,0-2-0], [22:0-4-0,0-4-8]

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	0.88	Vert(LL)	-0.11	21-22	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.66	Vert(CT)	-0.23	21-22	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.56	Horz(CT)	0.06	20	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 188 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2 *Except* 4-10,10-15: 2x4 SP No.3
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-3-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-9-8 oc bracing.
WEBS 1 Row at midpt 17-20
JOINTS 1 Brace at Jt(s): 7, 12, 9

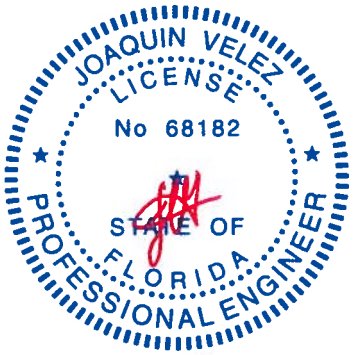
REACTIONS. (lb/size) 2=1614/0-3-8, 20=1655/0-3-8
Max Horz 2=190(LC 5)
Max Uplift 2=-430(LC 8), 20=-569(LC 9)

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.

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2404/626, 3-4=-1982/559, 4-5=-1706/637, 5-7=-1706/637, 7-9=-2632/899, 9-12=-2632/899, 12-14=-1949/691, 14-15=-1949/691, 15-16=-2225/610, 16-17=-2591/692, 4-6=-389/97, 6-8=-349/67, 8-10=-383/120, 10-11=-380/122, 11-13=-355/81, 13-15=-392/109
BOT CHORD 2-23=-584/1945, 22-23=-903/2754, 21-22=-865/2820, 20-21=-656/2414
WEBS 3-23=-157/762, 7-23=-921/408, 7-22=-24/396, 12-22=-9/312, 12-21=-709/364, 16-21=-255/948, 17-21=-369/145, 17-20=-2716/776

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); Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=430, 20=569.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 125 lb down and 102 lb up at 4-2-0, 125 lb down and 117 lb up at 6-2-12, 125 lb down and 117 lb up at 8-2-12, 125 lb down and 116 lb up at 10-2-12, 125 lb down and 116 lb up at 12-1-4, 125 lb down and 117 lb up at 14-1-4, 125 lb down and 117 lb up at 16-1-4, and 67 lb down and 78 lb up at 22-4-12, and 77 lb down and 85 lb up at 23-11-4 on top chord, and 213 lb down and 39 lb up at 4-2-0, 67 lb down at 6-2-12, 67 lb down at 8-2-12, 67 lb down at 10-2-12, 67 lb down at 12-1-4, 67 lb down at 14-1-4, 67 lb down at 16-1-4, 146 lb down and 39 lb up at 18-2-0, and 83 lb down and 46 lb up at 22-4-12, and 39 lb down and 49 lb up at 23-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).



Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
September 11,2019

LOAD CASE(S) Standard

Continued on page 2

MiTek
6904 Parke East Blvd.
Tampa, FL 33610

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
      Vert: 1-3=-54, 3-4=-54, 15-16=-54, 16-17=-54, 17-18=-54, 19-24=-20, 4-10=-54, 10-15=-54
   Concentrated Loads (lb)
      Vert: 3=-85(B) 23=-170(B) 21=-118(B) 27=-27(B) 28=-46(B) 29=-52(B) 30=-52(B) 31=-52(B) 32=-52(B) 33=-52(B) 34=-52(B) 35=-83(B) 36=-30(B) 37=-85(B) 38=-85(B) 39=-85(B) 40=-85(B) 41=-85(B) 42=-85(B)

Job	Truss	Truss Type	Qty	Ply	HARTLEY - BURK RES	T18088655
2075895	T02	Roof Special	1	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Jul 14 2019 MiTek Industries, Inc. Wed Sep 11 11:12:47 2019 Page 1
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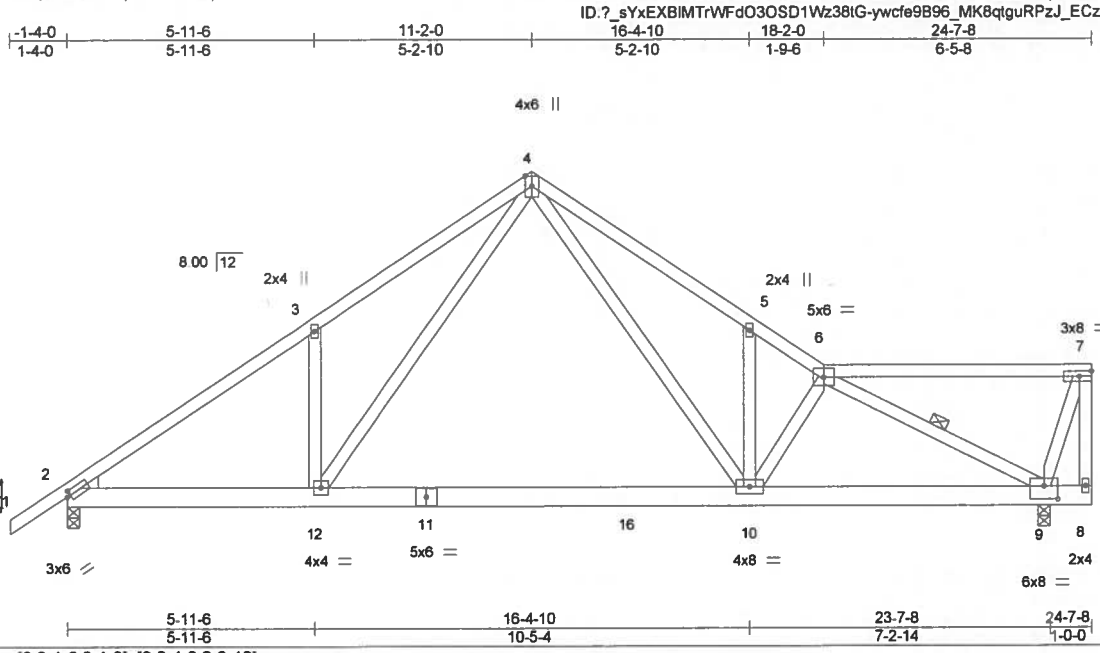

Plate Offsets (X,Y)-- [2:0-1-0,0-1-8], [9:0-4-0,0-3-12]

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	0.53	Vert(LL)	-0.22	10-12	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.79	Vert(CT)	-0.42	10-12	>671	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.99	Horz(CT)	0.03	9	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 162 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
8-11: 2x6 SP M 26
WEBS 2x4 SP No.3
WEDGE
Left: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-6-11 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
8-6-13 oc bracing: 2-12.
WEBS 1 Row at midpt 6-9

REACTIONS. (lb/size) 2=1270/0-3-8, 9=1240/0-3-8
Max Horz 2=197(LC 9)
Max Uplift 2=-281(LC 12), 9=-284(LC 13)
Max Grav 2=1283(LC 19), 9=1240(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1963/826, 3-4=-2002/1029, 4-5=-2118/1068, 5-6=-2061/912
BOT CHORD 2-12=-708/1662, 10-12=-396/1017, 9-10=-836/1832
WEBS 3-12=-372/322, 4-12=-552/1144, 4-10=-617/1362, 5-10=-311/238, 6-10=-296/179, 6-9=-2166/998, 7-9=-265/198

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) 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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=281, 9=284.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-6=-54, 6-7=-54, 12-13=-20, 10-12=-80(F=-60), 8-10=-20

JOAQUIN VELEZ LICENSE No 68182 STATE OF FLORIDA PROFESSIONAL ENGINEER

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Date:
September 11,2019

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6904 Parke East Blvd.
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Job	Truss	Truss Type	Qty	Ply	HARTLEY - BURK RES.	T18088656
2075895	T03	Roof Special	1	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Jul 14 2019 MiTek Industries, Inc. Wed Sep 11 11:12:48 2019 Page 1
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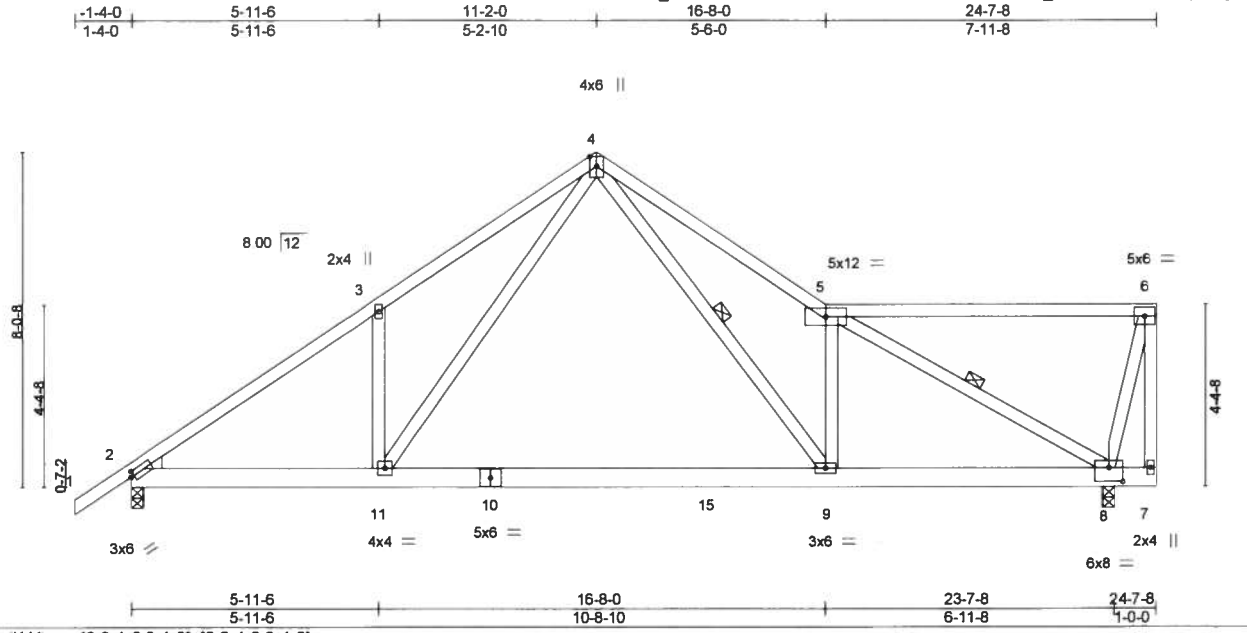

Plate Offsets (X,Y)-- [2:0-1-0,0-1-8], [8:0-4-0,0-4-0]

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 0.83	Vert(LL) -0.24 9-11 >999 240	MT20 244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.85	Vert(CT) -0.47 9-11 >598 180	
BCLL 0.0 *	Rep Stress Incr NO	WB 0.90	Horz(CT) 0.03 8 n/a n/a	
BCDL 10.0	Code FBC2017/TPI2014	Matrix-MS		Weight: 163 lb FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
7-10: 2x6 SP M 26
WEBS 2x4 SP No.3
WEDGE
Left: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-4-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 8-3-6 oc bracing: 2-11.
WEBS 1 Row at midpt 4-9, 5-8

REACTIONS. (lb/size) 2=1277/0-3-8, 8=1258/0-3-8
Max Horz 2=198(LC 12)
Max Uplift 2=-279(LC 12), 8=-294(LC 13)
Max Grav 2=1297(LC 19), 8=1258(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2004/826, 3-4=-2042/1029, 4-5=-2230/1094
BOT CHORD 2-11=-754/1688, 9-11=-439/1021, 8-9=-802/1804
WEBS 3-11=-368/321, 4-11=-558/1182, 4-9=-635/1386, 5-9=-493/386, 5-8=-2139/954, 6-8=-308/216

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) 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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=279, 8=294.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-5=-54, 5-6=-54, 11-12=-20, 9-11=-80(F=-60), 7-9=-20

Joaquin Velez PE No.68182
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September 11,2019

Job	Truss	Truss Type	Qty	Ply	HARTLEY - BURK RES	T18088657
2075895	T04	Roof Special	1	1	Job Reference (optional)	

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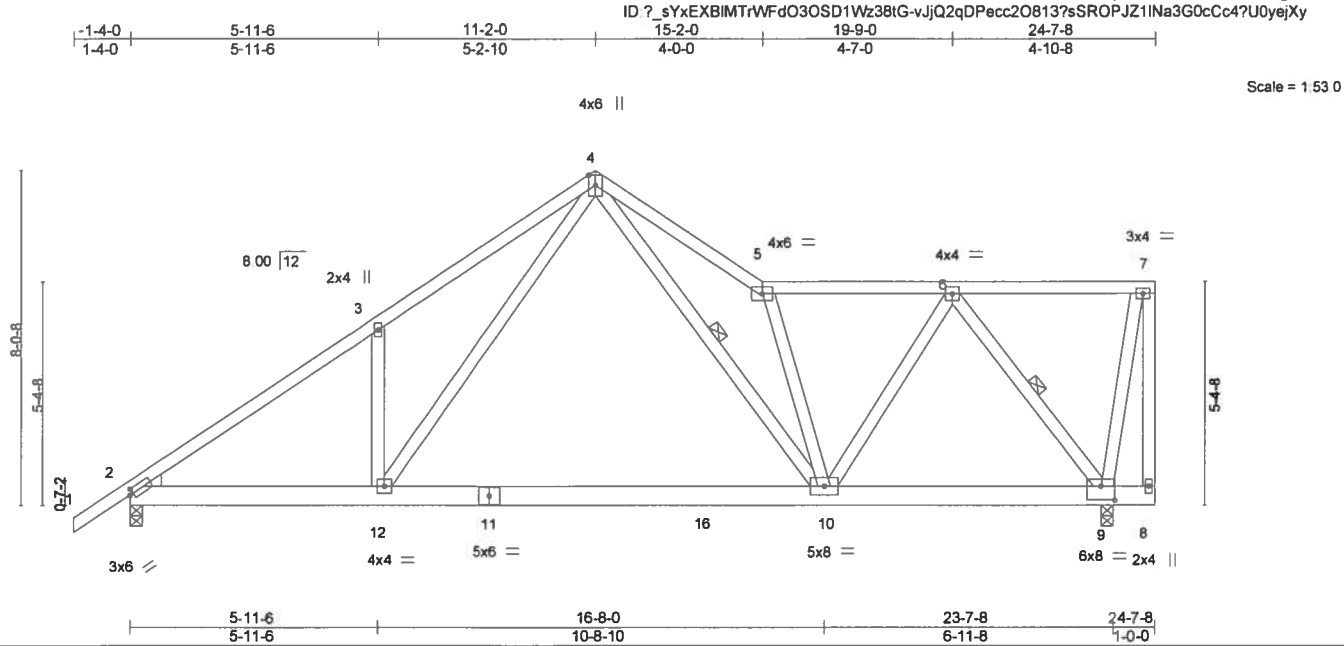


Plate Offsets (X,Y)— [2:0-1-0,0-1-8], [9:0-4-0,0-4-0]

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	0.49	Vert(LL)	-0.23	10-12	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.84	Vert(CT)	-0.45	10-12	>632	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.90	Horz(CT)	0.02	9	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 173 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
8-11: 2x6 SP M 26
WEBS 2x4 SP No.3
WEDGE
Left: 2x4 SP No.3

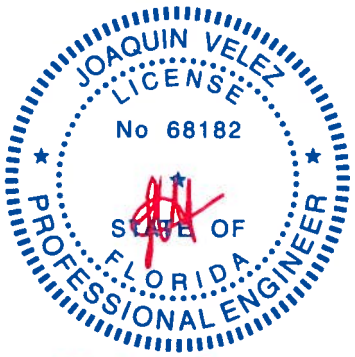
BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-9-11 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
8-1-8 oc bracing: 2-12.
WEBS 1 Row at midpt 4-10, 6-9

REACTIONS. (lb/size) 2=1274/0-3-8, 9=1257/0-3-8
Max Horz 2=220(LC 12)
Max Uplift 2=-275(LC 12), 9=-300(LC 13)
Max Grav 2=1295(LC 19), 9=1257(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1995/811, 3-4=-2033/1015, 4-5=-2164/1092, 5-6=-1389/617
BOT CHORD 2-12=-787/1674, 10-12=-471/1015, 9-10=-405/823
WEBS 3-12=-374/325, 4-12=-560/1169, 4-10=-642/1354, 5-10=-1413/776, 6-10=-410/1103, 6-9=-1448/719

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) 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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=275, 9=300.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-5=-54, 5-7=-54, 12-13=-20, 10-12=-80(F=-60), 8-10=-20



Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
September 11,2019

Job	Truss	Truss Type	Qty	Ply	HARTLEY - BURK RES	T18088658
2075895	T05	Roof Special	1	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Jul 14 2019 MiTek Industries, Inc. Wed Sep 11 11:12:50 2019 Page 1
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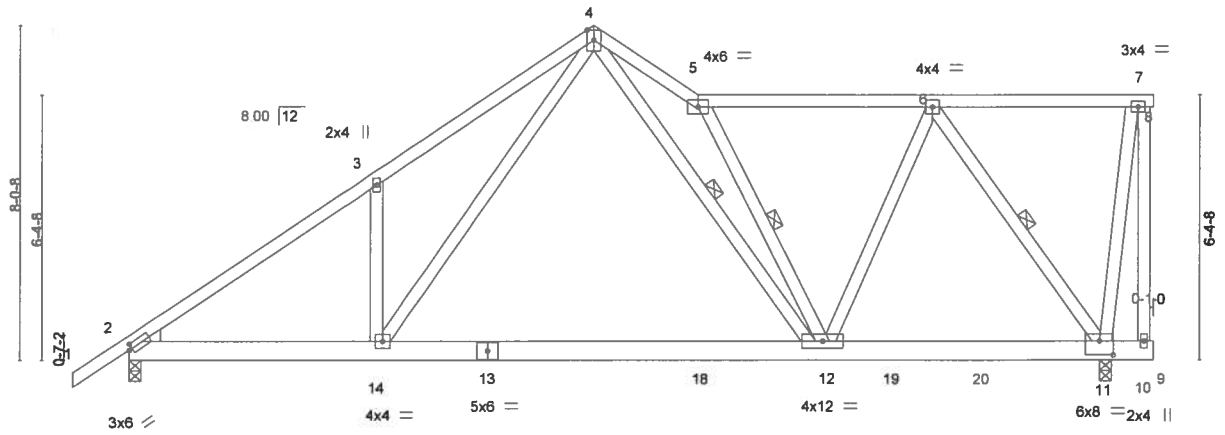
-1-4-0	5-11-6	11-2-0	13-8-0	19-3-11	24-7-8
1-4-0	5-11-6	5-2-10	2-6-0	5-7-11	5-3-13

Scale = 1:53.0



5-11-6	16-8-0	23-7-8	24-7-8
5-11-6	10-8-10	6-11-8	1-0-0

Plate Offsets (X,Y)— [2:0-1-0,0-1-8], [11:0-4-0,0-4-0]

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	0.49	Vert(LL)	-0.23	12-14	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.84	Vert(CT)	-0.44	12-14	>634	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.90	Horz(CT)	0.02	11	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 180 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
9-13: 2x6 SP M 26
WEBS 2x4 SP No.3
WEDGE
Left: 2x4 SP No.3

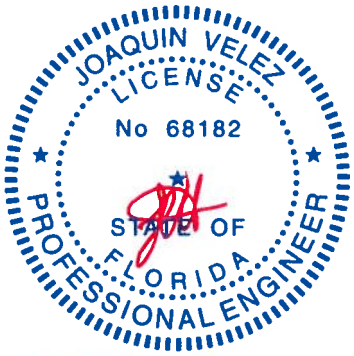
BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-9-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-11-5 oc bracing.
WEBS 1 Row at midpt 4-12, 5-12, 6-11

REACTIONS. (lb/size) 2=1275/0-3-8, 11=1260/0-3-8
Max Horz 2=241(LC 12)
Max Uplift 2=-270(LC 12), 11=-310(LC 13)
Max Grav 2=1310(LC 19), 11=1260(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2021/798, 3-4=-2055/1003, 4-5=-2219/1122, 5-6=-1187/525
BOT CHORD 2-14=-823/1687, 12-14=-506/1032, 11-12=-391/796
WEBS 3-14=-373/325, 4-14=-562/1161, 4-12=-677/1420, 5-12=-1494/829, 6-12=-346/1009, 6-11=-1444/714

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) 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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=270, 11=310.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-5=-54, 5-7=-54, 7-8=-14, 14-15=-20, 12-14=-80(F=-60), 9-12=-20



Joaquin Velez PE No.68182
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6904 Parke East Blvd. Tampa FL 33610
Date:
September 11,2019

MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	HARTLEY - BURK RES	T18088659
2075895	T06	Roof Special	1	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Jul 14 2019 MiTek Industries, Inc. Wed Sep 11 11:12:51 2019 Page 1

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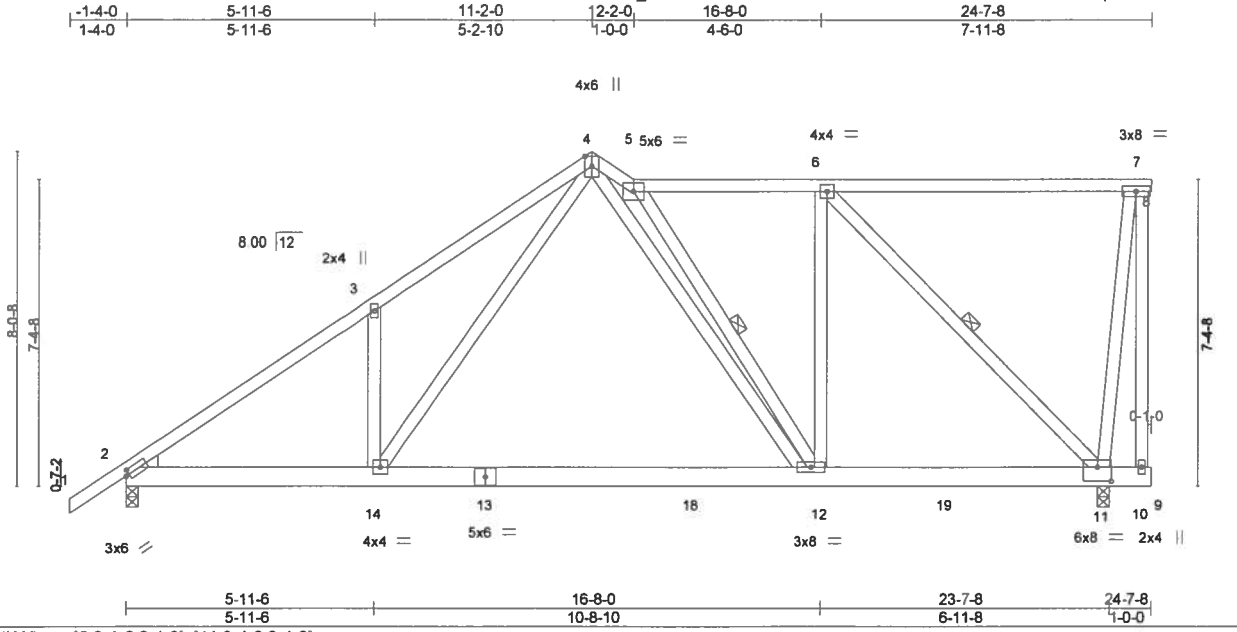

Plate Offsets (X,Y)— [2:0-1-0,0-1-8], [11:0-4-0,0-4-0]

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	0.69	Vert(LL)	-0.21	12-14	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.81	Vert(CT)	-0.42	12-14	>674	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.88	Horz(CT)	0.02	11	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 189 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
9-13: 2x6 SP M 26
WEBS 2x4 SP No.3
WEDGE
Left: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-10-2 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-10-1 oc bracing.
WEBS 1 Row at midpt 6-11, 5-12

REACTIONS. (lb/size) 2=1273/0-3-8, 11=1255/0-3-8
Max Horz 2=262(LC 12)
Max Uplift 2=-263(LC 12), 11=-318(LC 13)
Max Grav 2=1319(LC 19), 11=1261(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2027/777, 3-4=-2052/977, 4-5=-1744/848, 5-6=-1085/512
BOT CHORD 2-14=-850/1683, 12-14=-540/1047, 11-12=-512/1085
WEBS 3-14=-362/318, 4-14=-550/1128, 4-12=-390/1012, 6-12=-207/811, 6-11=-1585/751, 7-11=-281/199, 5-12=-921/473

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) 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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=263, 11=318.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-5=-54, 5-7=-54, 7-8=-14, 14-15=-20, 12-14=-80(F=-60), 9-12=-20

JOAQUIN VELEZ LICENSE No 68182 STATE OF FLORIDA PROFESSIONAL ENGINEER

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MiTek USA, Inc. FL Cert 6634
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Date:
September 11,2019

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	HARTLEY - BURK RES.	T18088660
2075895	T07	Half Hip	1	1	Job Reference (optional)	

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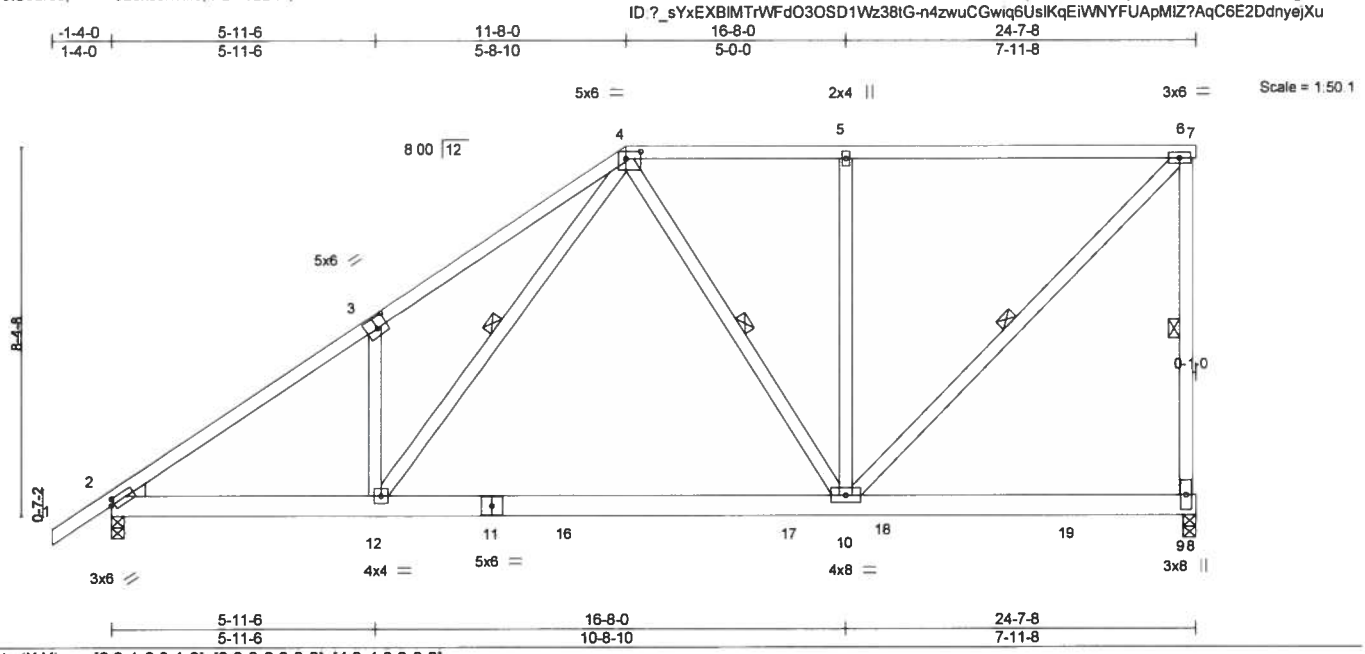


Plate Offsets (X,Y)-- [2:0-1-0,0-1-8], [3:0-3-0,0-3-0], [4:0-4-0,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.82	Vert(LL)	-0.21	10-12	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.77	Vert(CT)	-0.41	10-12	>721	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.53	Horz(CT)	0.02	9	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 173 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
8-11: 2x6 SP M 26
WEBS 2x4 SP No.3
WEDGE
Left: 2x4 SP No.3

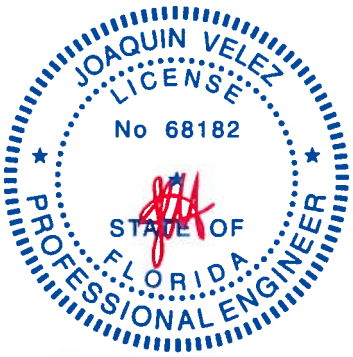
BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-4-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-6-15 oc bracing.
WEBS 1 Row at midpt 6-9, 4-12, 4-10, 6-10

REACTIONS. (lb/size) 9=1194/0-3-8, 2=1316/0-3-8
Max Horz 2=288(LC 12)
Max Uplift 9=-318(LC 9), 2=-266(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2005/794, 3-4=-2063/1017, 4-5=-974/504, 5-6=-974/504, 6-9=-1184/661
BOT CHORD 2-12=-915/1671, 10-12=-565/989
WEBS 3-12=-418/356, 4-12=-598/1184, 5-10=-402/307, 6-10=-709/1381

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) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=318, 2=266.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-6=-54, 6-7=-14, 12-13=-20, 12-18=-80(F=-60), 8-18=-20



Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
September 11,2019

Job	Truss	Truss Type	Qty	Ply	HARTLEY - BURK RES	T18088661
2075895	T08	Half Hip	1	1	Job Reference (optional)	

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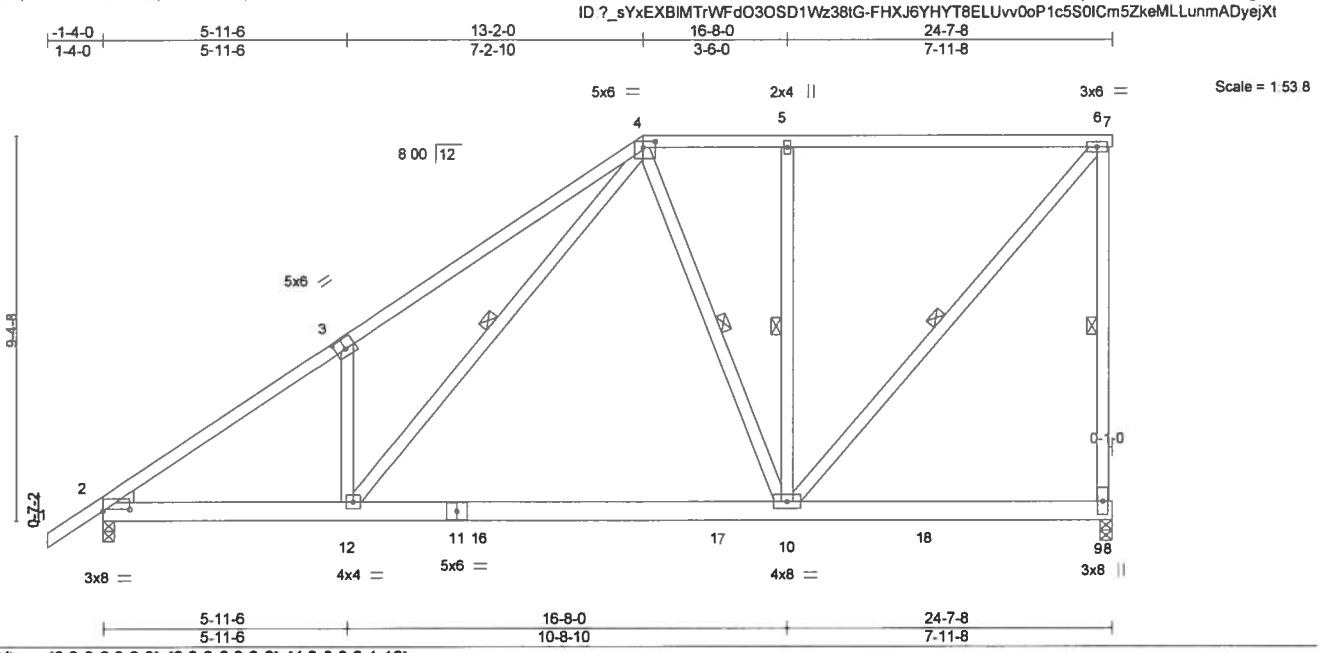

Plate Offsets (X,Y)-- [2:0-8-0,0-0-9], [3:0-3-0,0-3-0], [4:0-3-8,0-1-12]

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	0.97	Vert(LL)	-0.22	10-12	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.78	Vert(CT)	-0.42	10-12	>700	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.51	Horz(CT)	0.02	9	n/a	n/a		
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-MS							Weight: 180 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2 *Except* 3-4: 2x4 SP M 31

BOT CHORD 2x6 SP No.2 *Except* 8-11: 2x6 SP M 26

WEBS 2x4 SP No.3

WEDGE

Left: 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-9-9 oc purlins, except end verticals.

BOT CHORD Rigid ceiling directly applied or 7-5-4 oc bracing.

WEBS 1 Row at midpt 6-9, 4-12, 4-10, 5-10, 6-10

REACTIONS. (lb/size) 9=1207/0-3-8, 2=1322/0-3-8
Max Horz 2=322(LC 12)
Max Uplift 9=-322(LC 9), 2=-265(LC 12)
Max Grav 9=1251(LC 2), 2=1353(LC 19)

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

TOP CHORD 2-3=-2094/775, 3-4=-2176/1028, 4-5=-906/464, 5-6=-906/464, 6-9=-1198/681

BOT CHORD 2-12=-955/1766, 10-12=-518/942

WEBS 3-12=-481/411, 4-12=-680/1298, 5-10=-365/273, 6-10=-697/1379

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) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=322, 2=265.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-6=-54, 6-7=-14, 12-13=-20, 10-12=-80(F=-60), 8-10=-20

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September 11,2019

Job	Truss	Truss Type	Qty	Ply	HARTLEY - BURK RES.	T18088662
2075895	T10	Common	2	1	Job Reference (optional)	

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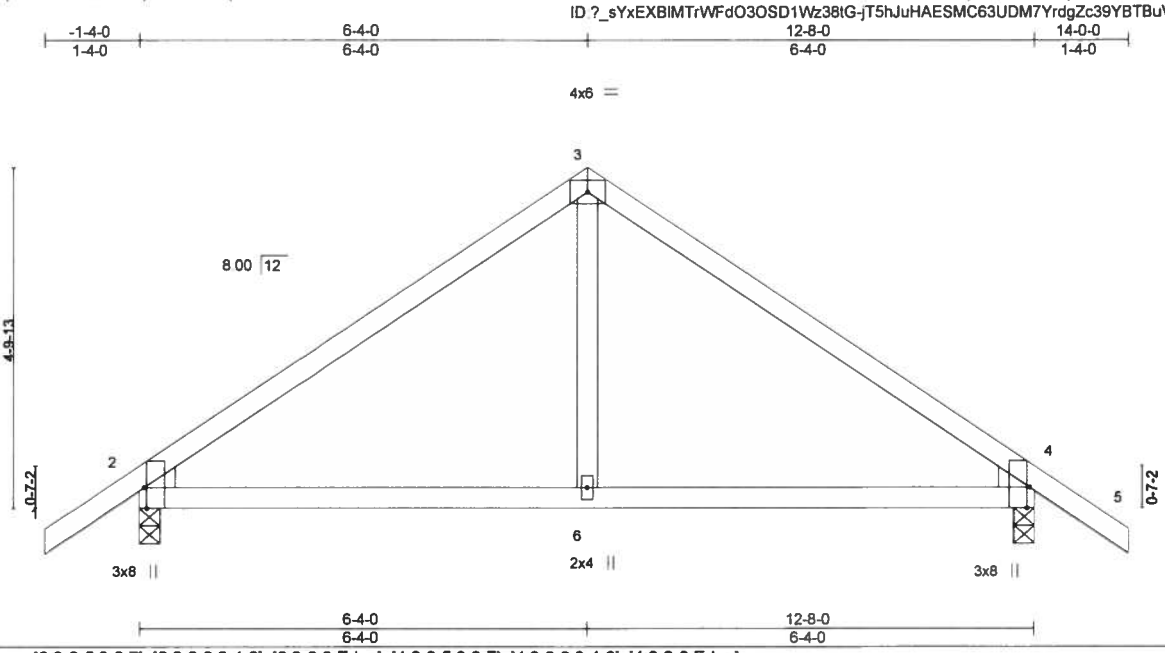


Plate Offsets (X,Y)-- [2:0-0-5,0-0-7], [2:0-0-9,0-4-6], [2:0-3-8,Edge], [4:0-0-5,0-0-7], [4:0-0-9,0-4-6], [4:0-3-8,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.39	Vert(LL)	0.07	6-9	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.37	Vert(CT)	-0.08	6-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.11	Horz(CT)	-0.01	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 54 lb	FT = 20%

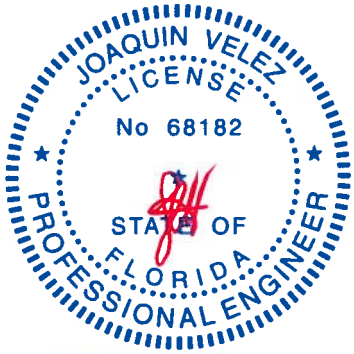
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
WEDGE
Left: 2x4 SP No.3, Right: 2x4 SP No.3

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. (lb/size) 2=541/0-3-8, 4=541/0-3-8
Max Horz 2=159(LC 11)
Max Uplift 2=-213(LC 12), 4=-213(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-531/243, 3-4=-531/243
BOT CHORD 2-6=-79/390, 4-6=-79/390
WEBS 3-6=-25/277

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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=213, 4=213.



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Date:
September 11,2019

Job	Truss	Truss Type	Qty	Ply	HARTLEY - BURK RES.	T18088663
2075895	T10G	Common Supported Gable	1	1	Job Reference (optional)	

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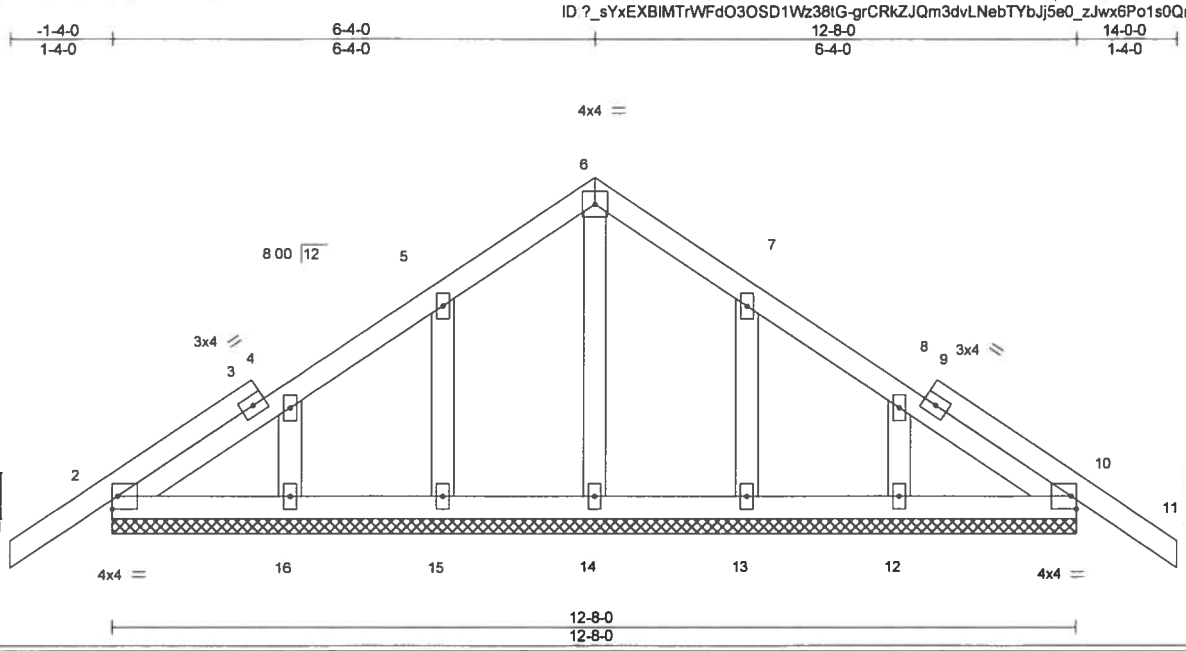


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.11	Vert(LL)	-0.00	11	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.04	Vert(CT)	-0.00	11	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 70 lb	FT = 20%

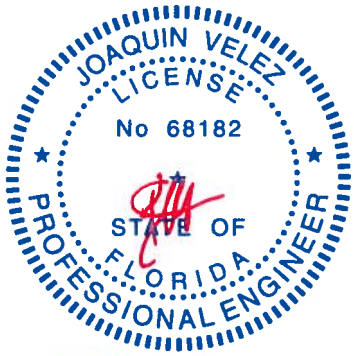
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3

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 12-8-0.
(lb) - Max Horz 2=148(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 10 except 15=-121(LC 12), 16=-105(LC 12), 13=-120(LC 13), 12=-106(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 2, 10, 14, 15, 16, 13, 12

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) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
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.
9) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 10 except (jt=lb) 15=121, 16=105, 13=120, 12=106.



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6904 Parke East Blvd. Tampa FL 33610
Date:
September 11,2019

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	HARTLEY - BURK RES.	T18088664
2075895	T11	Common Girder	1	2	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8 240 s Jul 14 2019 MiTek Industries, Inc. Wed Sep 11 11:12:58 2019 Page 1
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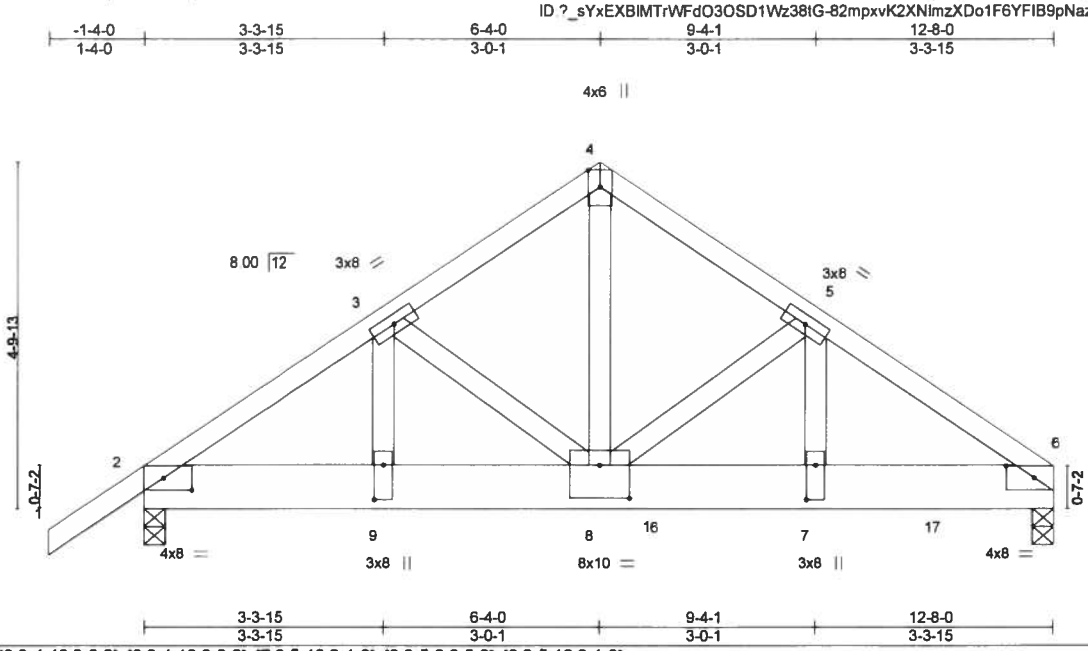

Plate Offsets (X,Y)-- [2:0-4-12,0-2-0], [6:0-4-12,0-2-0], [7:0-5-12,0-1-8], [8:0-5-0,0-5-8], [9:0-5-12,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.23	Vert(LL)	-0.05	7-8	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.31	Vert(CT)	-0.09	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.87	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 172 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x8 SP 2400F 2.0E
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-9-6 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 6=4839/0-3-8, 2=2656/0-3-8
Max Horz 2=120(LC 24)
Max Uplift 6=-1352(LC 9), 2=-846(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3942/1263, 3-4=-4321/1461, 4-5=-4318/1458, 5-6=-6609/1980
BOT CHORD 2-9=-1052/3232, 8-9=-1052/3232, 7-8=-1600/5464, 6-7=-1600/5464
WEBS 4-8=-1538/4550, 5-8=-2402/638, 5-7=-627/2624, 3-8=-348/533, 3-9=-600/272

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: 2x8 - 2 rows staggered at 0-3-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=1352, 2=846.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 3503 lb down and 1414 lb up at 7-1-9, and 1491 lb down and 303 lb up at 9-0-12, and 1491 lb down and 308 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
Uniform Loads (plf)
Vert: 1-4=-54, 4-6=-54, 10-13=-20
Concentrated Loads (lb)
Vert: 7=-1491(B) 16=-3503(B) 17=-1491(B)

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Date:
September 11,2019

Job	Truss	Truss Type	Qty	Ply	HARTLEY - BURK RES.	T18088665
2075895	T12	Common	5	1	Job Reference (optional)	

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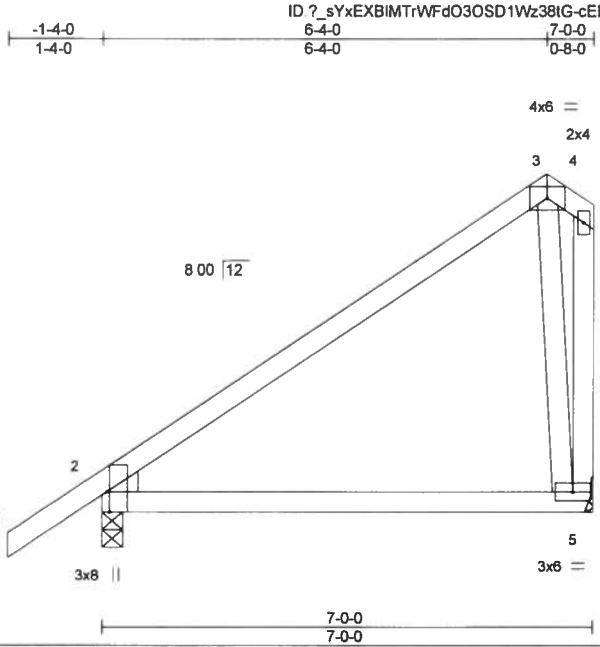

Plate Offsets (X,Y)-- [2:0-0-5,0-0-7], [2:0-0-9,0-4-6], [2:0-3-8,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.45	Vert(LL)	0.08	5-8	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.40	Vert(CT)	-0.16	5-8	>526	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.17	Horz(CT)	0.02	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 39 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
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, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 2=333/0-3-8, 5=247/Mechanical
Max Horz 2=159(LC 12)
Max Uplift 2=-49(LC 12), 5=-103(LC 12)
Max Grav 2=333(LC 1), 5=261(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-5=-439/363

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) 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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
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) 2 except (jt=lb) 5=103.

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Job	Truss	Truss Type	Qty	Ply	HARTLEY - BURK RES.	
2075895	T13	Half Hip Girder	1	1	Job Reference (optional)	T18088666

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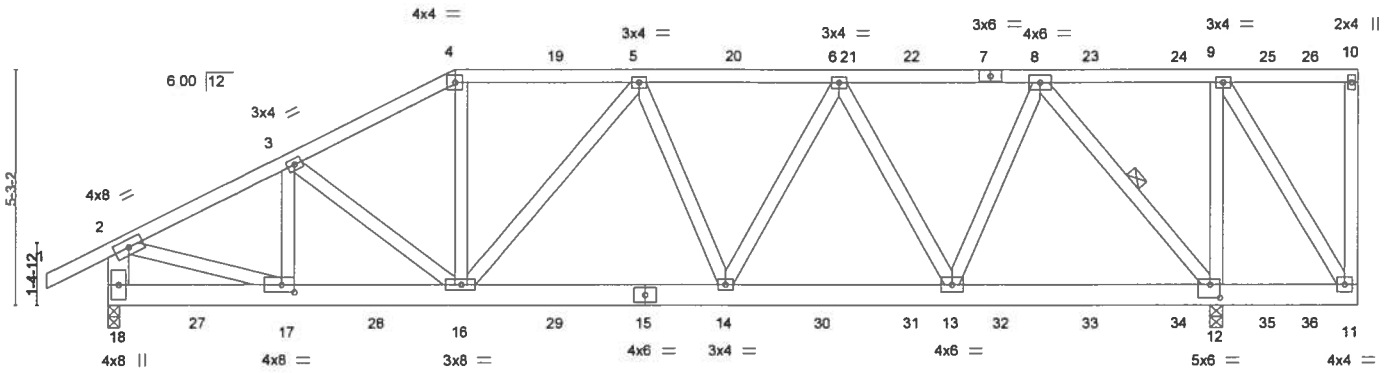
ID:?_sYxEXBlMTrWFdO3OSD1Wz38tG-YdSyaxMxpl7Lq_xNiOfFtxpebaXntjYNyU_evJyejXm

-1-4-8	4-0-0	7-8-13	11-10-4	16-4-2	20-10-2	24-9-12	28-0-0
1-4-8	4-0-0	3-8-13	4-1-7	4-5-14	4-6-0	3-11-10	3-2-4

Scale = 1:49.4



4-0-0	7-8-13	13-9-11	18-10-10	24-9-12	24-11-8	28-0-0
4-0-0	3-8-13	6-0-13	5-1-0	5-11-2	0-1-12	3-0-8

Plate Offsets (X,Y)-- [12:0-2-12,0-3-8], [17:0-3-8,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.32	Vert(LL)	0.10	14-16	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.62	Vert(CT)	-0.18	14-16	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.80	Horz(CT)	0.04	12	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 204 lb	FT = 20%

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

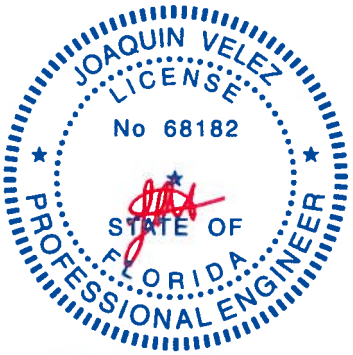
BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-6-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 8-12

REACTIONS. (lb/size) 18=2109/0-3-0, 12=2635/0-3-8
Max Horz 18=140(LC 8)
Max Uplift 18=-744(LC 8), 12=-1159(LC 5)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2520/922, 3-4=-2502/997, 4-5=-2221/917, 5-6=-2456/1035, 6-8=-1751/740, 2-18=-1909/700
BOT CHORD 16-17=-912/2204, 14-16=-1048/2457, 13-14=-939/2182, 12-13=-530/1219
WEBS 4-16=-317/870, 5-16=-429/237, 6-14=-218/596, 6-13=-934/432, 8-13=-564/1430, 8-12=-2061/904, 9-12=-402/253, 2-17=-735/2097

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); end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 18=744, 12=1159.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 70 lb down and 64 lb up at 7-8-13, 73 lb down and 64 lb up at 10-0-4, 73 lb down and 64 lb up at 12-0-4, 73 lb down and 64 lb up at 14-0-4, 73 lb down and 64 lb up at 16-0-4, 73 lb down and 64 lb up at 18-0-4, 73 lb down and 64 lb up at 20-0-4, 73 lb down and 64 lb up at 22-0-4, 73 lb down and 64 lb up at 24-0-4, and 73 lb down and 64 lb up at 26-0-4, and 73 lb down and 64 lb up at 26-4-12 on top chord, and 227 lb down and 87 lb up at 2-0-4, 227 lb down and 89 lb up at 4-0-4, 227 lb down and 111 lb up at 6-0-4, 159 lb down and 82 lb up at 8-0-4, 159 lb down and 82 lb up at 10-0-4, 159 lb down and 82 lb up at 12-0-4, 159 lb down and 82 lb up at 14-0-4, 159 lb down and 82 lb up at 16-0-4, 159 lb down and 82 lb up at 18-0-4, 159 lb down and 82 lb up at 20-0-4, 159 lb down and 82 lb up at 22-0-4, 159 lb down and 82 lb up at 24-0-4, and 159 lb down and 82 lb up at 26-0-4, and 159 lb down and 82 lb up at 26-4-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard



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Continued on page 2

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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, 4-10=-54, 11-18=-20
   Concentrated Loads (lb)
   Vert: 4=-23(B) 7=-23(B) 15=-153(B) 17=-227(B) 16=-153(B) 5=-23(B) 14=-153(B) 19=-23(B) 20=-23(B) 21=-23(B) 22=-23(B) 23=-23(B) 24=-23(B) 25=-23(B) 26=-23(B) 27=-227(B) 28=-227(B) 29=-153(B) 30=-153(B) 31=-153(B) 32=-153(B) 33=-153(B) 34=-153(B) 35=-153(B) 36=-153(B)

Job	Truss	Truss Type	Qty	Ply	HARTLEY - BURK RES.	T18088667
2075895	T14	Half Hip	1	1	Job Reference (optional)	

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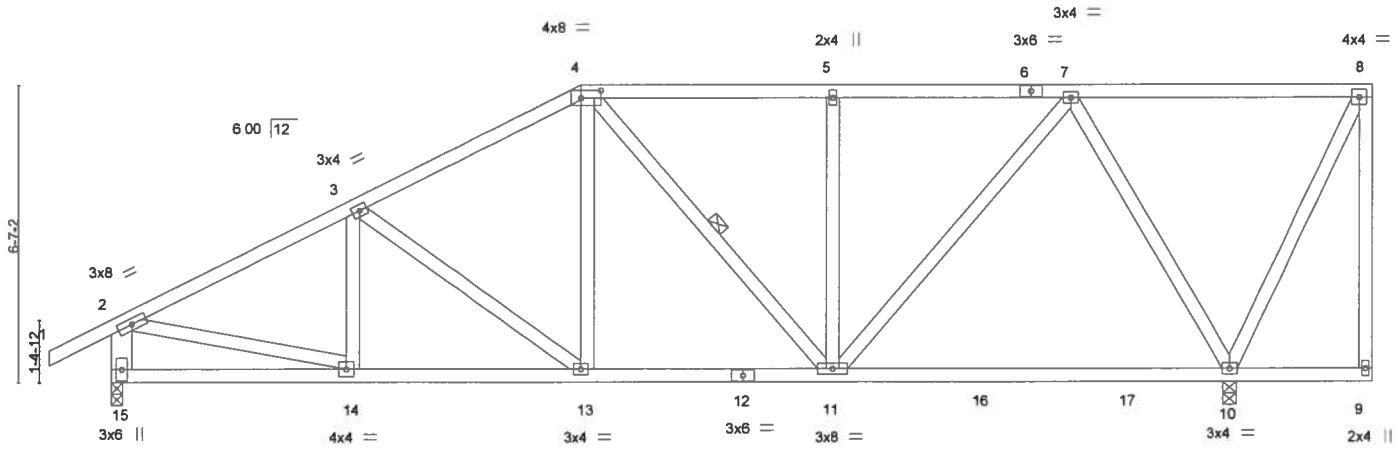
ID:?_sYxEXBlMTrWFdO3OSD1Wz38tG-U?ai?dOBLvN33I5lqoijyMuzGODFLa7gQoTl_CyejXk

-1-4-8	5-4-0	10-4-13	15-11-14	21-3-7	28-0-0
1-4-8	5-4-0	5-0-13	5-7-1	5-3-10	6-8-9

Scale = 1:49.0



5-4-0	10-4-13	15-11-14	24-9-12	24-11-8	28-0-0
5-4-0	5-0-13	5-7-1	8-9-14	0-1-12	3-0-8

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.44	Vert(LL)	-0.16	10-11	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.62	Vert(CT)	-0.29	10-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.98	Horz(CT)	0.02	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 182 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
2-15: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-3-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 4-11

REACTIONS. (lb/size) 15=985/0-3-0, 10=1146/0-3-8
Max Horz 15=184(LC 12)
Max Uplift 15=-189(LC 12), 10=-302(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1167/553, 3-4=-1011/525, 4-5=-814/454, 5-7=-814/454, 2-15=-935/556
BOT CHORD 14-15=-376/189, 13-14=-693/988, 11-13=-525/849, 10-11=-243/408
WEBS 4-13=-98/258, 5-11=-288/219, 7-11=-328/631, 7-10=-963/602, 2-14=-364/934

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) 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
2) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 15=189, 10=302.

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Job	Truss	Truss Type	Qty	Ply	HARTLEY - BURK RES	T18088668
2075895	T15	Half Hip	1	1	Job Reference (optional)	

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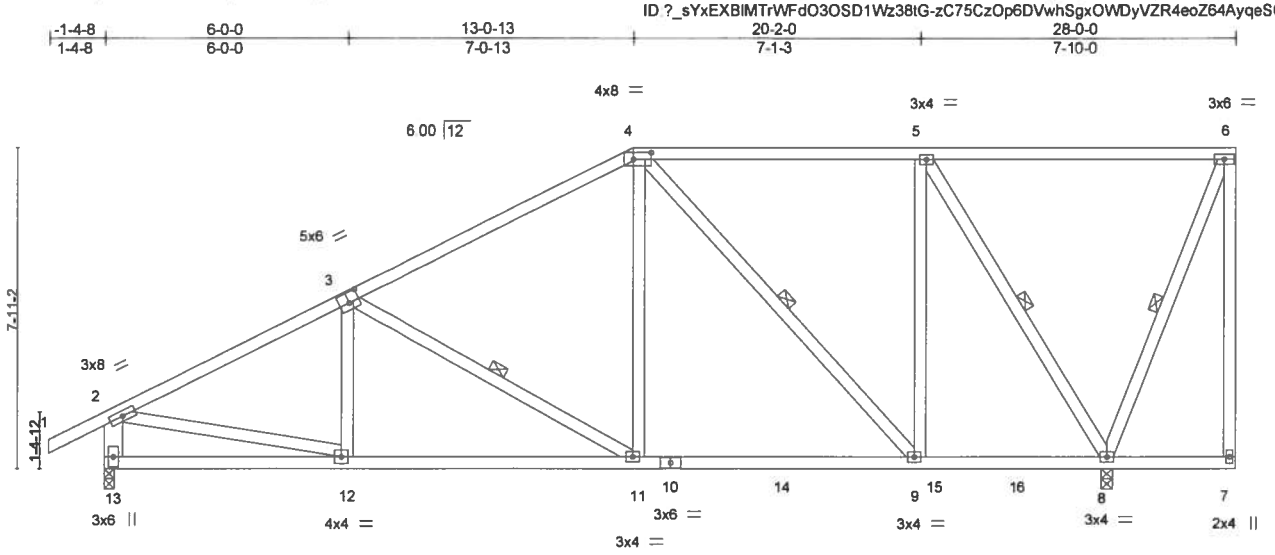


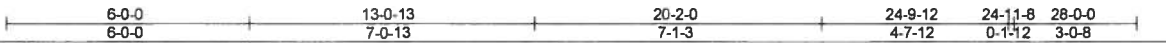


Plate Offsets (X,Y)-- [3:0-3-0,0-3-0], [4:0-5-4,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.66	Vert(LL)	-0.07	9-11	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.51	Vert(CT)	-0.13	9-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.44	Horz(CT)	0.02	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 188 lb	FT = 20%

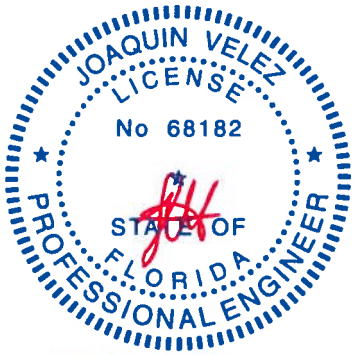
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
2-13: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-11-2 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-9-12 oc bracing.
WEBS 1 Row at midpt 3-11, 4-9, 5-8, 6-8

REACTIONS. (lb/size) 13=985/0-3-0, 8=1146/0-3-8
Max Horz 13=229(LC 12)
Max Uplift 13=-194(LC 12), 8=-299(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1203/547, 3-4=-904/433, 4-5=-470/272, 2-13=-932/543
BOT CHORD 12-13=-442/214, 11-12=-757/1020, 9-11=-465/731, 8-9=-272/470
WEBS 3-11=-339/338, 4-11=-123/416, 4-9=-398/283, 5-9=-169/498, 5-8=-1017/607, 2-12=-363/963

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) 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
2) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 13=194, 8=299.



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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	HARTLEY - BURK RES.	T18088669
2075895	T16	Half Hip	1	1	Job Reference (optional)	

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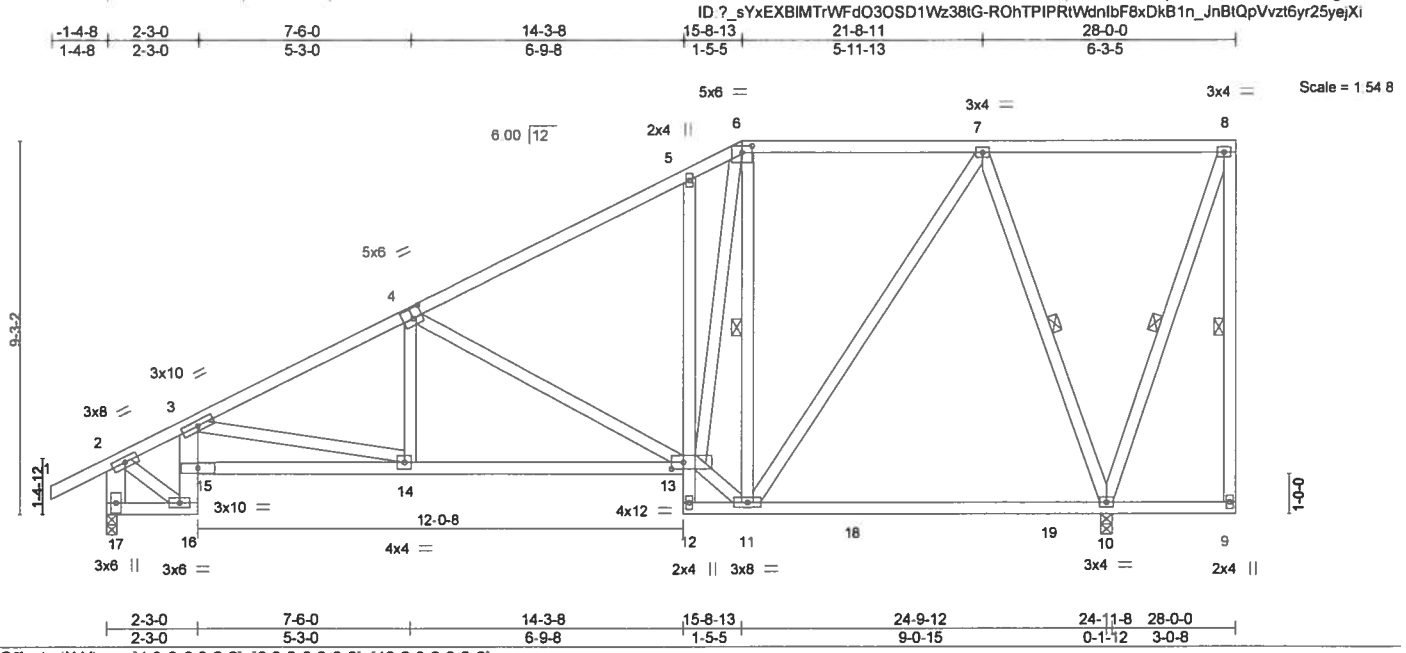


Plate Offsets (X,Y)-- [4:0-3-0,0-3-0], [6:0-3-0,0-2-0], [13:0-3-8,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.44	Vert(LL)	-0.19	10-11	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.70	Vert(CT)	-0.32	10-11	>932	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.90	Horz(CT)	0.09	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 217 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
3-16: 2x6 SP No.2, 5-12: 2x4 SP No.3
WEBS 2x4 SP No.3 *Except*
2-17: 2x6 SP No.2

BRACING-

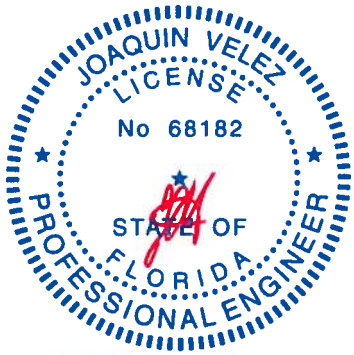
TOP CHORD Structural wood sheathing directly applied or 4-6-10 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 4-11-14 oc bracing.
WEBS 1 Row at midpt 8-9, 6-11, 7-10, 8-10

REACTIONS. (lb/size) 17=985/0-3-0, 10=1146/0-3-8
Max Horz 17=274(LC 12)
Max Uplift 17=-193(LC 12), 10=-296(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-801/382, 3-4=-1452/723, 4-5=-916/447, 5-6=-857/579, 6-7=-570/370, 2-17=-995/558
BOT CHORD 16-17=-466/196, 15-16=-380/127, 3-15=-343/148, 14-15=-1389/1356, 13-14=-943/1248, 5-13=-268/311, 10-11=-174/258
WEBS 3-14=-227/454, 4-14=-57/305, 4-13=-576/488, 11-13=-362/700, 6-13=-765/920, 6-11=-657/567, 7-11=-360/571, 7-10=-915/633, 2-16=-295/766

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) 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) 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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 17=193, 10=296.



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Job	Truss	Truss Type	Qty	Ply	HARTLEY - BURK RES	T18088670
2075895	T17	Hip	1	1	Job Reference (optional)	

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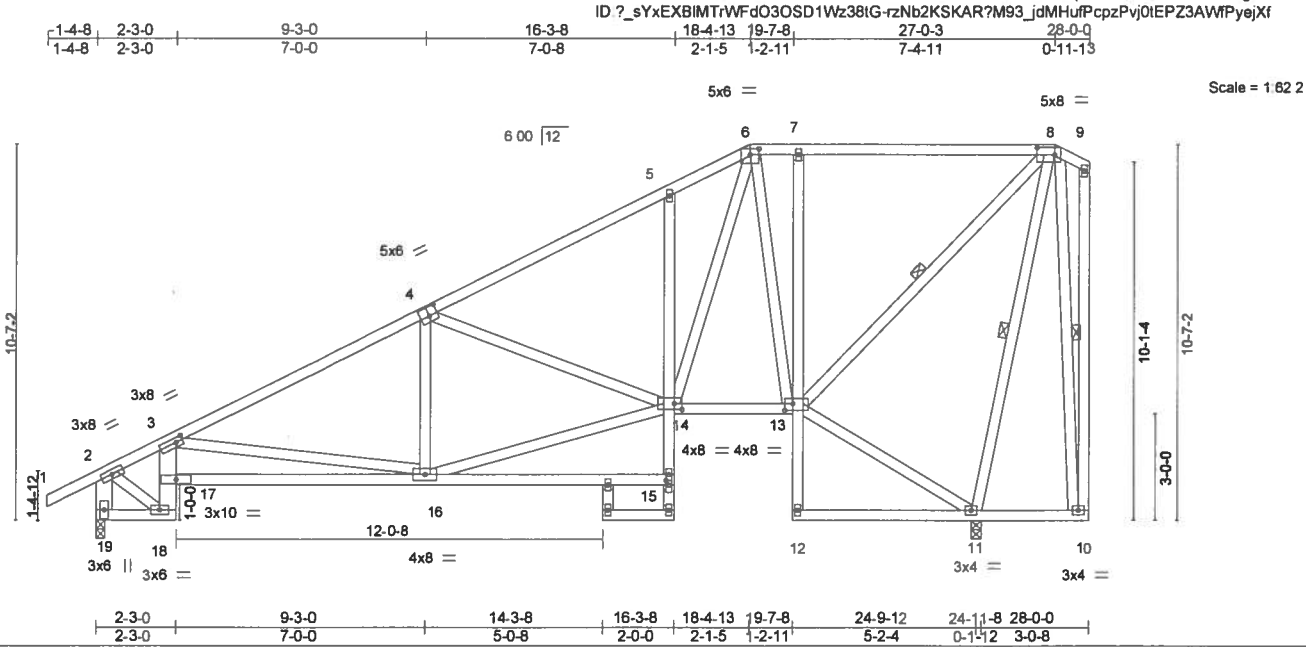


Plate Offsets (X,Y)— [3:0-2-4,0-1-8], [4:0-3-0,0-3-0], [6:0-3-0,0-2-0], [8:0-6-0,0-2-8], [13:0-2-12,0-2-4], [14:0-2-8,0-2-0], [15:0-1-8,0-1-0]

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	0.51	Vert(LL)	-0.10	16-17	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.66	Vert(CT)	-0.21	16-17	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.87	Horz(CT)	0.12	11	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 257 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2

BOT CHORD 2x4 SP No.2 *Except*
3-18: 2x6 SP No.2, 5-15,7-12,20-21: 2x4 SP No.3

WEBS 2x4 SP No.3 *Except*
2-19: 2x6 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-6-6 oc purlins, except end verticals.

BOT CHORD Rigid ceiling directly applied or 4-8-3 oc bracing.

WEBS 1 Row at midpt 8-13, 8-11, 8-10

REACTIONS. (lb/size) 19=984/0-3-0, 11=1147/0-3-8
Max Horz 19=310(LC 12)
Max Uplift 19=-189(LC 12), 11=-268(LC 9)

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

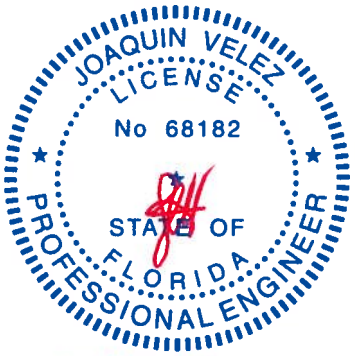
TOP CHORD 2-3=-804/373, 3-4=-1347/612, 4-5=-992/526, 5-6=-953/666, 6-7=-489/355, 7-8=-491/358, 2-19=-994/544

BOT CHORD 18-19=-505/208, 17-18=-392/131, 3-17=-329/157, 16-17=-1561/1489, 5-14=-291/313, 13-14=-376/544, 7-13=-426/329

WEBS 3-16=-444/710, 14-16=-881/1149, 4-14=-340/286, 6-14=-670/871, 6-13=-331/241, 8-13=-658/968, 8-11=-940/646, 2-18=-307/788

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) 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) Provide adequate drainage to prevent water ponding.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 19=189, 11=268.



Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
September 11,2019

MiTek
6904 Parke East Blvd
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	HARTLEY - BURK RES	T18088671
2075895	T18	Piggyback Base	1	1	Job Reference (optional)	

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ID:?_sYxEXBIMTrWFdO3OSD1Wz38tG-nMVMT0Tai3F3PN75knKMkqh8uCbwUmYi1NfckIyejXd

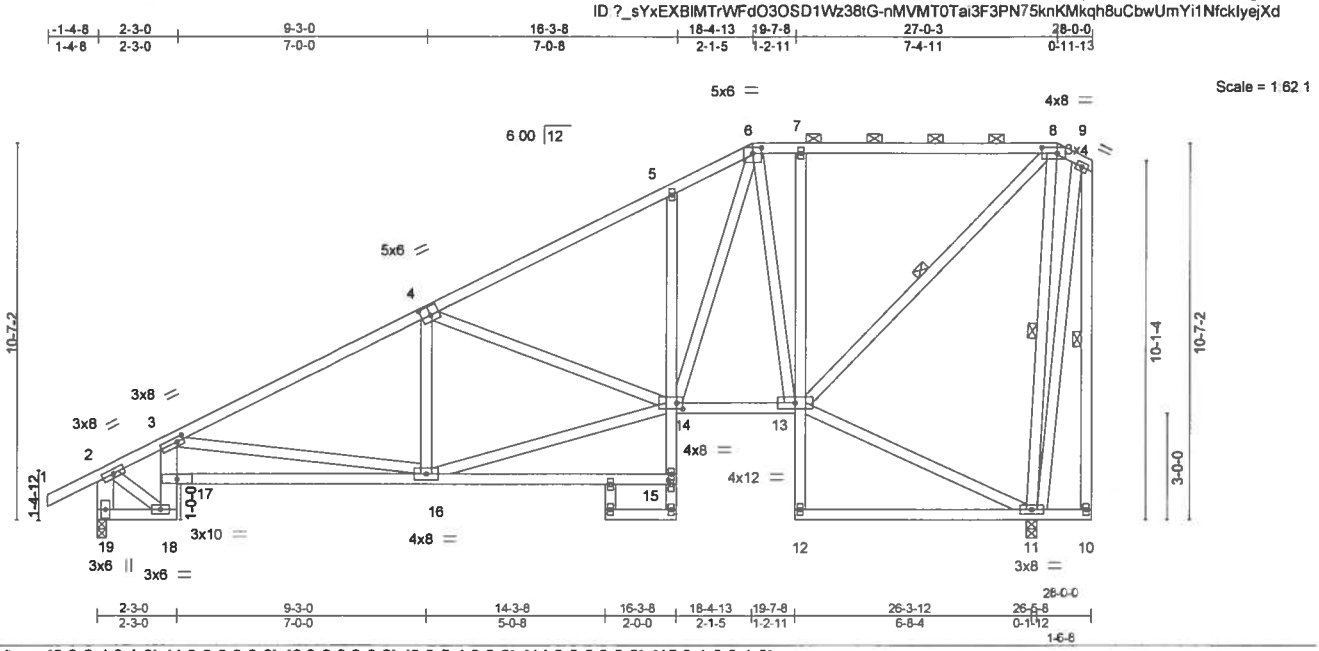


Plate Offsets (X,Y)— [3:0-2-4,0-1-8], [4:0-3-0,0-3-0], [6:0-3-0,0-2-0], [8:0-5-4,0-2-0], [14:0-2-0,0-2-0], [15:0-1-8,0-1-0]

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	0.54	Vert(LL)	-0.10	16-17	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.68	Vert(CT)	-0.22	16-17	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.94	Horz(CT)	0.13	11	n/a	n/a		
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-MS							Weight: 258 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2

BOT CHORD 2x4 SP No.2 *Except*
3-18: 2x6 SP No.2, 5-15,7-12,20-21: 2x4 SP No.3

WEBS 2x4 SP No.3 *Except*
2-19: 2x6 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-3-6 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 6-8.

BOT CHORD Rigid ceiling directly applied or 4-7-1 oc bracing.

WEBS 1 Row at midpt 8-13, 8-11, 9-10

REACTIONS. (lb/size) 19=1051/0-3-0, 11=1080/0-3-8
Max Horz 19=310(LC 12)
Max Uplift 19=-204(LC 12), 11=-253(LC 9)

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

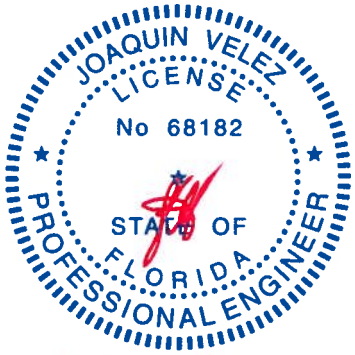
TOP CHORD 2-3=-869/411, 3-4=-1491/698, 4-5=-1185/641, 5-6=-1145/781, 6-7=-668/462, 7-8=-670/465, 2-19=-1063/585

BOT CHORD 18-19=-507/211, 17-18=-423/150, 3-17=-360/176, 16-17=-1625/1596, 5-14=-291/313, 13-14=-475/710, 7-13=-432/332

WEBS 3-16=-428/697, 14-16=-959/1278, 4-14=-290/257, 6-14=-682/892, 6-13=-276/198, 8-13=-685/1025, 8-11=-1017/710, 2-18=-342/847

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) 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) Provide adequate drainage to prevent water ponding.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 19=204, 11=253.
9) 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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Job	Truss	Truss Type	Qty	Ply	HARTLEY - BURK RES	T18088672
2075895	T19	Piggyback Base	2	1	Job Reference (optional)	

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ID:?_sYxEXBIMTrWFdO3OSD1Wz38tG-FY2kgMUCTMNw1WillUrbH2EKicwMDD0rF1PAGkyejXc

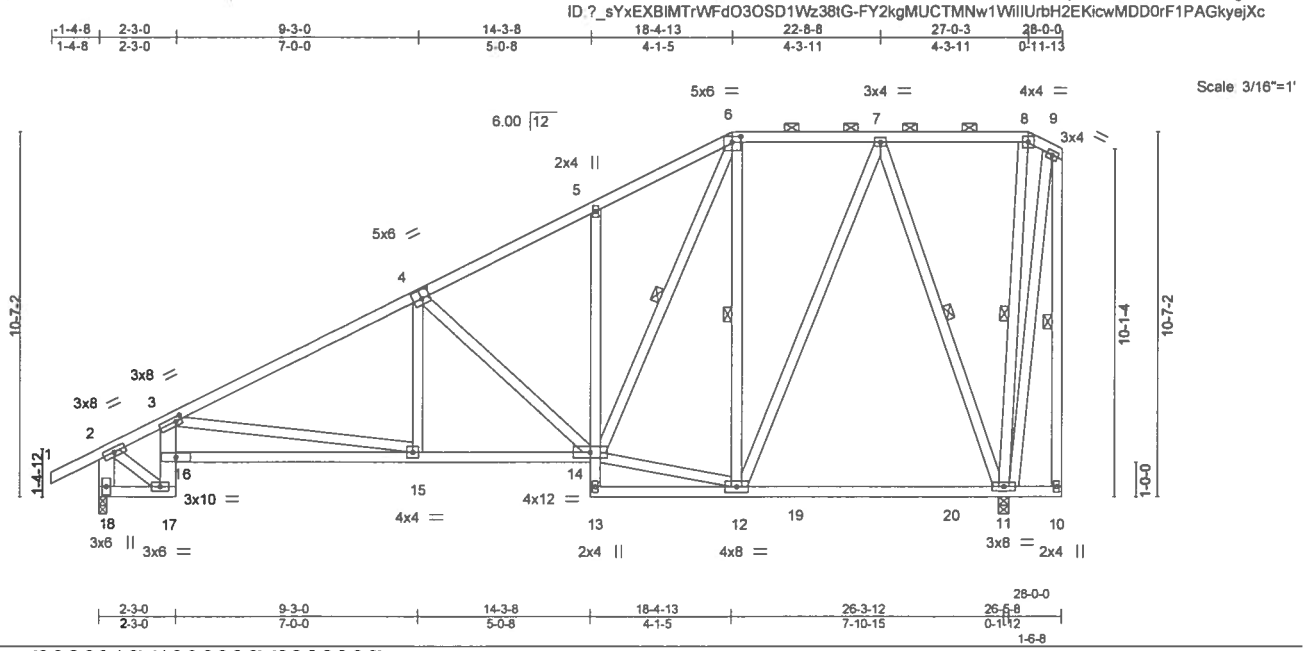


Plate Offsets (X,Y)-- [3:0-2-0,0-1-8], [4:0-3-0,0-3-0], [6:0-3-0,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.48	Vert(LL)	-0.12	11-12	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.67	Vert(CT)	-0.21	15-16	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.93	Horz(CT)	0.10	11	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 248 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2 *Except* 3-17: 2x6 SP No.2, 5-13: 2x4 SP No.3
WEBS	2x4 SP No.3 *Except* 2-18: 2x6 SP No.2

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 4-2-2 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 6-8.
BOT CHORD	Rigid ceiling directly applied or 4-6-11 oc bracing.
WEBS	1 Row at midpt 6-14, 6-12, 7-11, 8-11, 9-10

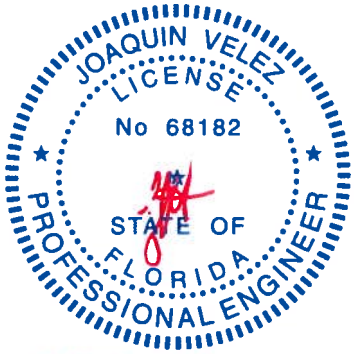
REACTIONS. (lb/size) 18=1051/0-3-0, 11=1080/0-3-8
Max Horz 18=310(LC 12)
Max Uplift 18=-204(LC 12), 11=-253(LC 9)

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

TOP CHORD	2-3=-870/412, 3-4=-1489/699, 4-5=-1027/524, 5-6=-1002/648, 6-7=-509/355, 2-18=-1063/585
BOT CHORD	17-18=-506/210, 16-17=-426/153, 3-16=-364/180, 15-16=-1645/1614, 14-15=-931/1250, 5-14=-229/251, 11-12=-188/287
WEBS	3-15=-443/722, 4-15=-77/330, 4-14=-538/445, 12-14=-316/502, 6-14=-657/836, 6-12=-544/478, 7-12=-389/603, 7-11=-875/597, 2-17=-348/852

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) 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) 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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 18=204, 11=253.
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:
September 11,2019

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Job	Truss	Truss Type	Qty	Ply	HARTLEY - BURK RES	T18088673
2075895	T20	Piggyback Base	2	1	Job Reference (optional)	

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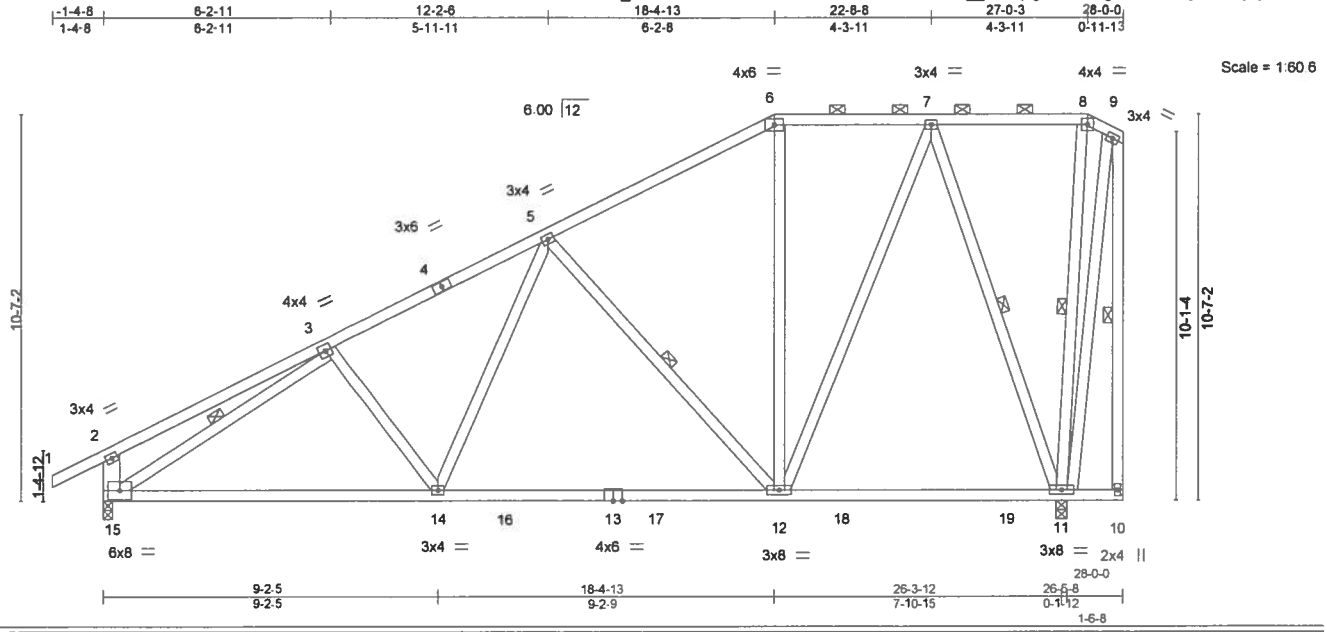


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.41	Vert(LL)	-0.23	12-14	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.81	Vert(CT)	-0.36	12-14	>862	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.95	Horz(CT)	0.03	11	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 225 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 5-1-14 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 6-8.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 5-12, 7-11, 8-11, 3-15, 9-10

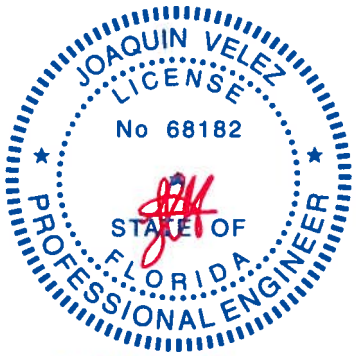
REACTIONS. (lb/size) 11=1080/0-3-8, 15=1051/0-3-0
Max Horz 15=310(LC 12)
Max Uplift 11=-253(LC 9), 15=-204(LC 12)
Max Grav 11=1112(LC 2), 15=1051(LC 1)

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

TOP CHORD	2-3=-252/249, 3-5=-1186/552, 5-6=-679/332, 6-7=-546/359, 2-15=-333/340
BOT CHORD	14-15=-868/1065, 12-14=-651/884, 11-12=-186/295
WEBS	3-14=-109/260, 5-14=-161/388, 5-12=-544/474, 7-12=-400/684, 7-11=-880/591, 3-15=-1117/376

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) 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) 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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 11=253, 15=204.
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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6904 Parke East Blvd. Tampa FL 33610
Date:
September 11,2019

6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	HARTLEY - BURK RES.	T18088674
2075895	T22	Hip Girder	1	2	Job Reference (optional)	

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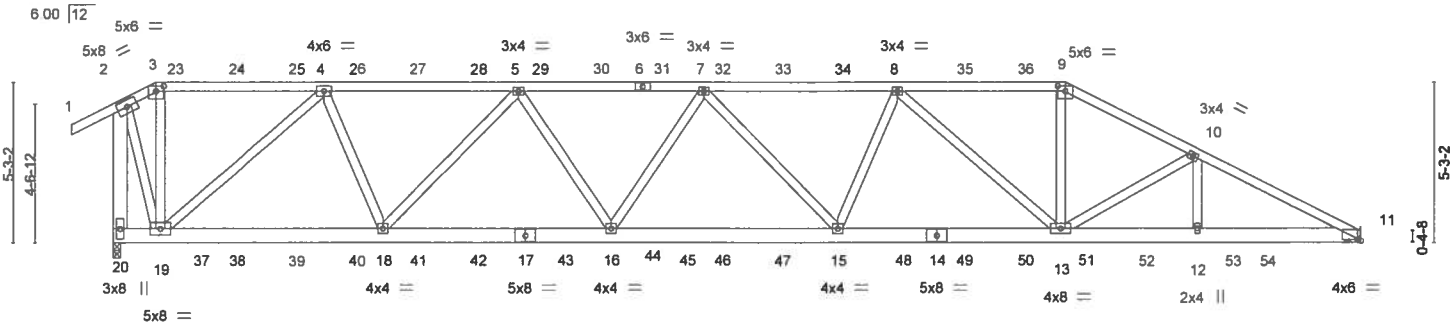
ID:?_sYxEXBIMTrWFdO3OSD1Wz38tG-Yu_N8lZbpWGxMbkeCSTE3W0WxRH8MNBtsdb10qyejXV

1-4-8	6-11-4	13-4-0	19-5-0	25-9-12	31-4-3	35-8-8	41-1-8
1-4-8	5-6-8	6-4-13	6-0-15	6-4-13	5-6-8	4-4-5	5-5-0

Scale = 1:72.7



1-4-13	8-10-11	16-4-8	23-10-5	31-4-3	35-8-8	41-1-8
1-4-13	7-5-13	7-5-13	7-5-13	7-5-13	4-4-5	5-5-0

Plate Offsets (X,Y)-- [3:0-3-0,0-2-0], [9:0-3-0,0-2-0], [11:0-1-7,0-0-6]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.48	Vert(LL)	0.30	15-16	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.79	Vert(CT)	-0.49	15-16	>997	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.90	Horz(CT)	0.12	11	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 544 lb	FT = 20%

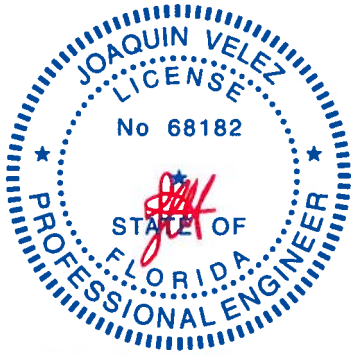
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3 *Except*
2-20: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-4-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-4-3 oc bracing.

REACTIONS. (lb/size) 11=3522/Mechanical, 20=3368/0-3-0
Max Horz 20=-173(LC 6)
Max Uplift 11=-1394(LC 9), 20=-1425(LC 4)
Max Grav 11=3523(LC 20), 20=3368(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1062/504, 3-4=-925/452, 4-5=-4741/2059, 5-7=-6771/2908, 7-8=-6961/2971, 8-9=-5356/2252, 9-10=-5971/2466, 10-11=-6898/2759, 2-20=-3440/1419
BOT CHORD 18-19=-1659/3849, 16-18=-2596/6096, 15-16=-2940/6999, 13-15=-2741/6655, 12-13=-2425/6140, 11-12=-2425/6140
WEBS 3-19=-122/378, 4-19=-3949/1746, 4-18=-964/2404, 5-18=-2014/915, 5-16=-484/1279, 7-16=-433/236, 8-15=-327/872, 8-13=-1826/865, 9-13=-974/2392, 10-13=-995/452, 10-12=-251/652, 2-19=-1243/2928

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, 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.
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); end vertical left exposed; 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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
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) 11=1394, 20=1425.



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September 11,2019

Continued on page 2

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Tampa, FL 33610

NOTES-

11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 30 lb down and 20 lb up at 0-0-4, 71 lb down and 64 lb up at 2-0-4, 73 lb down and 64 lb up at 4-0-4, 73 lb down and 64 lb up at 6-0-4, 73 lb down and 64 lb up at 8-0-4, 73 lb down and 64 lb up at 10-0-4, 73 lb down and 64 lb up at 12-0-4, 73 lb down and 64 lb up at 14-0-4, 73 lb down and 64 lb up at 16-0-4, 73 lb down and 64 lb up at 18-0-4, 73 lb down and 64 lb up at 20-0-4, 73 lb down and 64 lb up at 22-0-4, 73 lb down and 64 lb up at 24-0-4, 73 lb down and 64 lb up at 26-0-4, and 73 lb down and 64 lb up at 28-0-4, and 73 lb down and 64 lb up at 30-0-4 on top chord, and 159 lb down and 82 lb up at 2-0-4, 159 lb down and 82 lb up at 4-0-4, 159 lb down and 82 lb up at 6-0-4, 159 lb down and 82 lb up at 8-0-4, 159 lb down and 82 lb up at 10-0-4, 159 lb down and 82 lb up at 12-0-4, 159 lb down and 82 lb up at 14-0-4, 159 lb down and 82 lb up at 16-0-4, 159 lb down and 82 lb up at 18-0-4, 159 lb down and 82 lb up at 20-0-4, 159 lb down and 82 lb up at 22-0-4, 159 lb down and 82 lb up at 24-0-4, 159 lb down and 82 lb up at 26-0-4, 159 lb down and 82 lb up at 28-0-4, 159 lb down and 82 lb up at 30-0-4, 227 lb down and 123 lb up at 32-0-4, 227 lb down and 123 lb up at 34-0-4, 227 lb down and 123 lb up at 36-0-4, and 227 lb down and 123 lb up at 38-0-4, and 227 lb down and 123 lb up at 40-0-4 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: 1-2=-54, 2-3=-54, 3-9=-54, 9-11=-54, 11-20=-20
   Concentrated Loads (lb)
   Vert: 15=-153(F) 8=-23(F) 2=-7 22=-227(F) 23=-23(F) 24=-23(F) 25=-23(F) 26=-23(F) 27=-23(F) 28=-23(F) 29=-23(F) 30=-23(F) 31=-23(F) 32=-23(F) 33=-23(F) 34=-23(F) 35=-23(F) 36=-23(F) 37=-153(F) 38=-153(F) 39=-153(F) 40=-153(F) 41=-153(F) 42=-153(F) 43=-153(F) 44=-153(F) 45=-153(F) 46=-153(F) 47=-153(F) 48=-153(F) 49=-153(F) 50=-153(F) 51=-227(F) 52=-227(F) 53=-227(F) 54=-227(F)

Job	Truss	Truss Type	Qty	Ply	HARTLEY - BURK RES	T18088675
2075895	T23	Hip	1	1	Job Reference (optional)	

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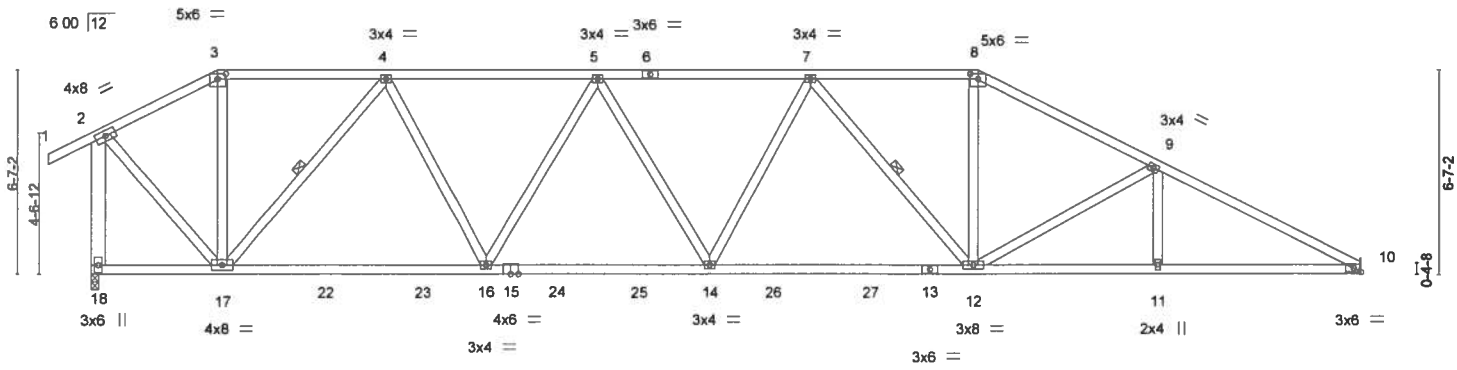
1-4-8	4-0-13	9-6-2	16-4-8	23-2-14	28-8-3	34-6-5	41-1-8
1-4-8	4-0-13	5-5-5	6-10-6	6-10-6	5-5-5	5-10-3	6-7-3

Scale = 1:71.4



4-0-13	12-9-2	19-11-14	28-8-3	34-6-5	41-1-8
4-0-13	8-8-5	7-2-12	8-8-5	5-10-3	6-7-3

Plate Offsets (X,Y)-- [3:0-3-0,0-2-0], [8:0-3-0,0-2-0], [10:0-2-15,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.55	Vert(LL)	-0.28	12-14	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.95	Vert(CT)	-0.54	12-14	>913	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.61	Horz(CT)	0.13	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 243 lb	FT = 20%

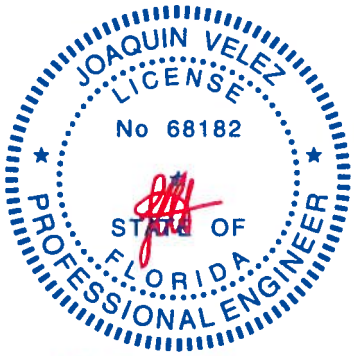
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
2-18: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-11-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 4-17, 7-12

REACTIONS. (lb/size) 10=1511/Mechanical, 18=1601/0-3-0
Max Horz 18=-194(LC 10)
Max Uplift 10=-283(LC 8), 18=-337(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1024/607, 3-4=-874/584, 4-5=-2083/1161, 5-7=-2442/1344, 7-8=-2113/1206, 8-9=-2424/1274, 9-10=-2921/1473, 2-18=-1584/884
BOT CHORD 16-17=-693/1732, 14-16=-1001/2368, 12-14=-1040/2427, 11-12=-1219/2553, 10-11=-1219/2553
WEBS 3-17=-101/294, 4-17=-1344/706, 4-16=-304/809, 5-16=-594/366, 7-12=-597/264, 8-12=-354/803, 9-12=-526/410, 2-17=-577/1284

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) 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) 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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 10=283, 18=337.



Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
September 11,2019

Job	Truss	Truss Type	Qty	Ply	HARTLEY - BURK RES.	T18088676
2075895	T24	Hip	1	1	Job Reference (optional)	

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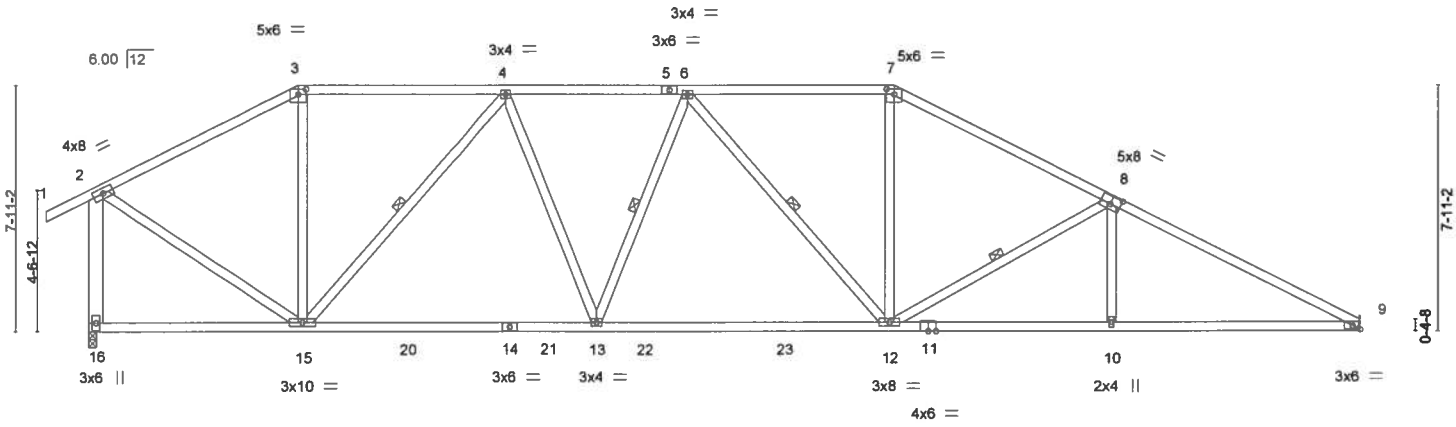
ID:?_sYxEXBlMTrWFdO3OSD1Wz38tG-zTfWmncU6ReWD3TDta0xh9eyCelfZoaKZbqid9yejXS

1-4-8	6-8-13	13-5-1	19-3-15	26-0-3	33-1-0	41-1-8
1-4-8	6-8-13	6-8-4	5-10-14	6-8-4	7-0-13	8-0-8

Scale = 1:71.4



6-8-13	16-4-8	26-0-3	33-1-0	41-1-8
6-8-13	9-7-11	9-7-11	7-0-13	8-0-8

Plate Offsets (X,Y)-- [3:0-3-0,0-2-0], [7:0-3-0,0-2-0], [8:0-4-0,0-3-0], [9:0-2-15,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.79	Vert(LL)	-0.25	12-13	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.86	Vert(CT)	-0.46	12-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.67	Horz(CT)	0.10	9	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 242 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP M 31 *Except*
9-11: 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
2-16: 2x6 SP No.2

BRACING-

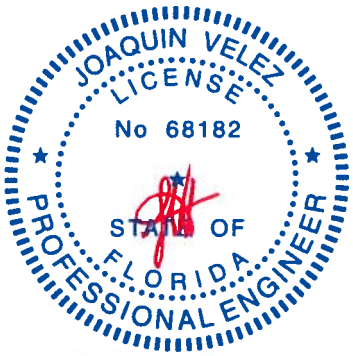
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-1-3 oc bracing.
WEBS 1 Row at midpt 4-15, 6-13, 6-12, 8-12

REACTIONS. (lb/size) 16=1601/0-3-0, 9=1511/Mechanical
Max Horz 16=-212(LC 10)
Max Uplift 16=-282(LC 9), 9=-288(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1337/763, 3-4=-1125/752, 4-6=-1991/1146, 6-7=-1918/1156, 7-8=-2230/1208, 8-9=-2862/1456, 2-16=-1547/907
BOT CHORD 13-15=-688/1799, 12-13=-813/2034, 10-12=-1185/2489, 9-10=-1185/2488
WEBS 3-15=-74/348, 4-15=-1061/543, 4-13=-155/548, 6-13=-253/217, 6-12=-349/165, 7-12=-267/666, 8-12=-670/506, 8-10=0/303, 2-15=-565/1303

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) 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) 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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 16=282, 9=288.



Joaquin Velez PE No.68182
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6904 Parke East Blvd. Tampa FL 33610
Date:
September 11,2019

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 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, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	HARTLEY - BURK RES.	T18088677
2075895	T25	Hip	1	1	Job Reference (optional)	

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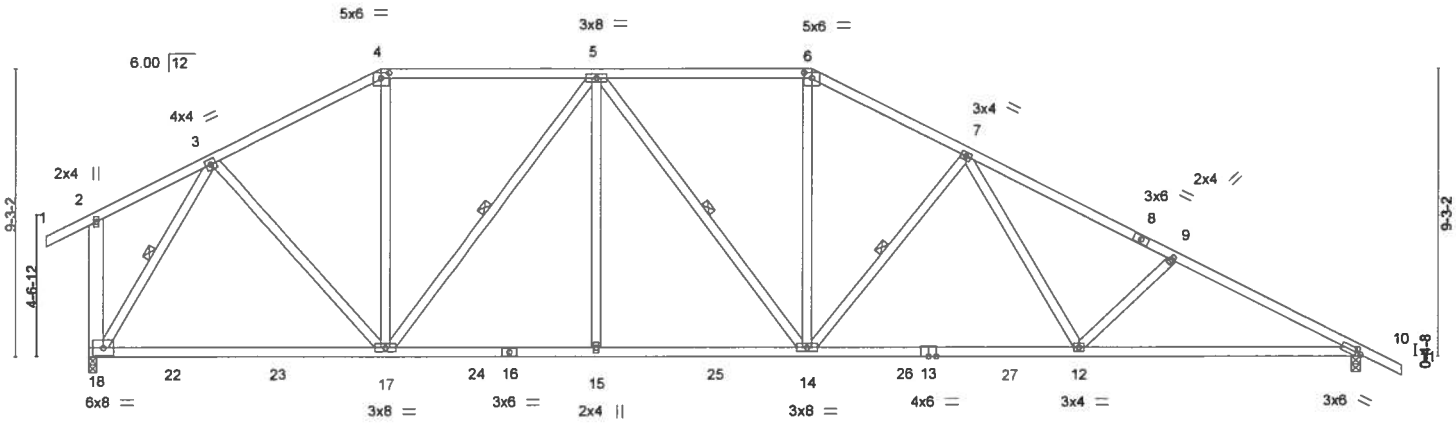
ID:?_sYxEXBiMTrWFdO3OSD1Wz38tG-vsnGBSdke2uDTNdb??3PmajMJSyk1k6d0vJoh2yejXQ

1-4-8	4-0-9	9-4-13	16-4-8	23-4-3	28-3-15	35-0-1	41-1-8	42-5-8
1-4-8	4-0-9	5-4-4	6-11-11	6-11-11	4-11-12	6-8-1	6-1-7	1-4-0

Scale = 1:71.4



9-4-13	16-4-8	23-4-3	32-0-1	41-1-8
9-4-13	6-11-11	6-11-11	8-7-14	9-1-7

Plate Offsets (X,Y)-- [4:0-3-0,0-2-0], [6:0-3-0,0-2-0], [10:0-1-15,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.56	Vert(LL)	-0.29	12-14	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.95	Vert(CT)	-0.50	12-14	>991	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.53	Horz(CT)	0.12	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 264 lb	FT = 20%

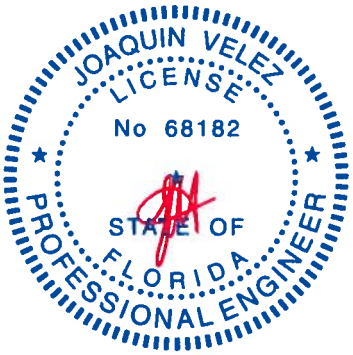
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
2-18: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-0-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 5-17, 5-14, 7-14, 3-18

REACTIONS. (lb/size) 18=1600/0-3-0, 10=1585/0-3-8
Max Horz 18=-241(LC 10)
Max Uplift 18=-270(LC 12), 10=-330(LC 13)
Max Grav 18=1644(LC 2), 10=1585(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-1494/878, 4-5=-1293/848, 5-6=-1778/1095, 6-7=-2035/1166, 7-9=-2693/1424, 9-10=-2905/1512
BOT CHORD 17-18=-213/863, 15-17=-547/1771, 14-15=-547/1771, 12-14=-853/2102, 10-12=-1219/2549
WEBS 3-17=-189/694, 4-17=-146/415, 5-17=-832/403, 5-15=0/323, 6-14=-304/663, 7-14=-587/472, 7-12=-227/520, 9-12=-341/357, 3-18=-1555/831

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) 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) 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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 18=270, 10=330.



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6904 Parke East Blvd. Tampa FL 33610
Date:
September 11,2019

MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	HARTLEY - BURK RES	T18088678
2075895	T26	Hip	1	1	Job Reference (optional)	

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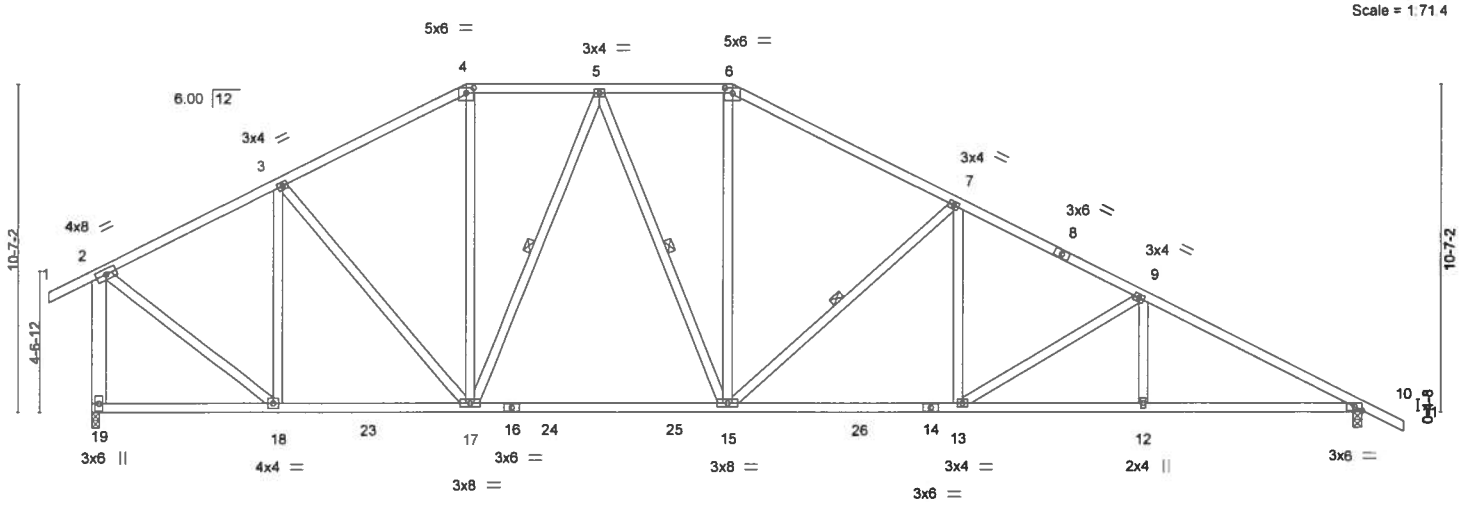
ID:?_sYxEXBIMTrWFdO3OSD1Wz38tG-N2LePoeMPM044WCnZjaeJnGU3sJMm98mFZ2MDUyejXP

1-4-8	6-0-0	12-0-13	16-4-8	20-8-3	28-0-0	34-0-0	41-1-8	42-5-8
1-4-8	6-0-0	6-0-13	4-3-11	4-3-11	7-3-13	6-0-0	7-1-8	1-4-0

Scale = 1:71.4



6-0-0	12-0-13	20-8-3	28-0-0	34-0-0	41-1-8
6-0-0	6-0-13	8-7-5	7-3-13	6-0-0	7-1-8

Plate Offsets (X,Y)-- [4:0-3-0,0-2-0], [6:0-3-0,0-2-0], [10:0-2-15,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.75	Vert(LL)	-0.25	15-17	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.86	Vert(CT)	-0.42	15-17	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.68	Horz(CT)	0.10	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 277 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.3 *Except* 2-19: 2x6 SP No.2

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 5-3-4 oc bracing.
WEBS	1 Row at midpt 5-17, 5-15, 7-15

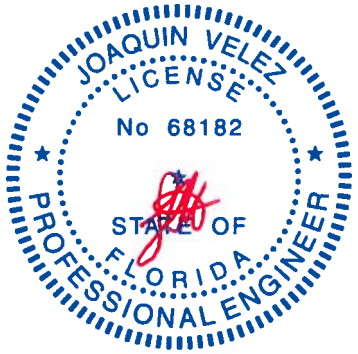
REACTIONS. (lb/size) 19=1600/0-3-0, 10=1585/0-3-8
Max Horz 19=-259(LC 10)
Max Uplift 19=-291(LC 12), 10=-344(LC 13)

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

TOP CHORD	2-3=-1252/753, 3-4=-1495/946, 4-5=-1283/912, 5-6=-1537/1048, 6-7=-1790/1081, 7-9=-2383/1321, 9-10=-2878/1478, 2-19=-1545/933
BOT CHORD	17-18=-302/1108, 15-17=-404/1446, 13-15=-854/2071, 12-13=-1168/2505, 10-12=-1168/2505
WEBS	3-18=-666/422, 3-17=-86/374, 4-17=-201/439, 5-17=-555/279, 5-15=-112/314, 6-15=-224/517, 7-15=-751/550, 7-13=-146/454, 9-13=-510/367, 9-12=0/263, 2-18=-635/1318

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) 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) 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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 19=291, 10=344.



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6904 Parke East Blvd. Tampa FL 33610
Date:
September 11,2019

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Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	HARTLEY - BURK RES.	T18088679
2075895	T27	Piggyback Base	2	1	Job Reference (optional)	

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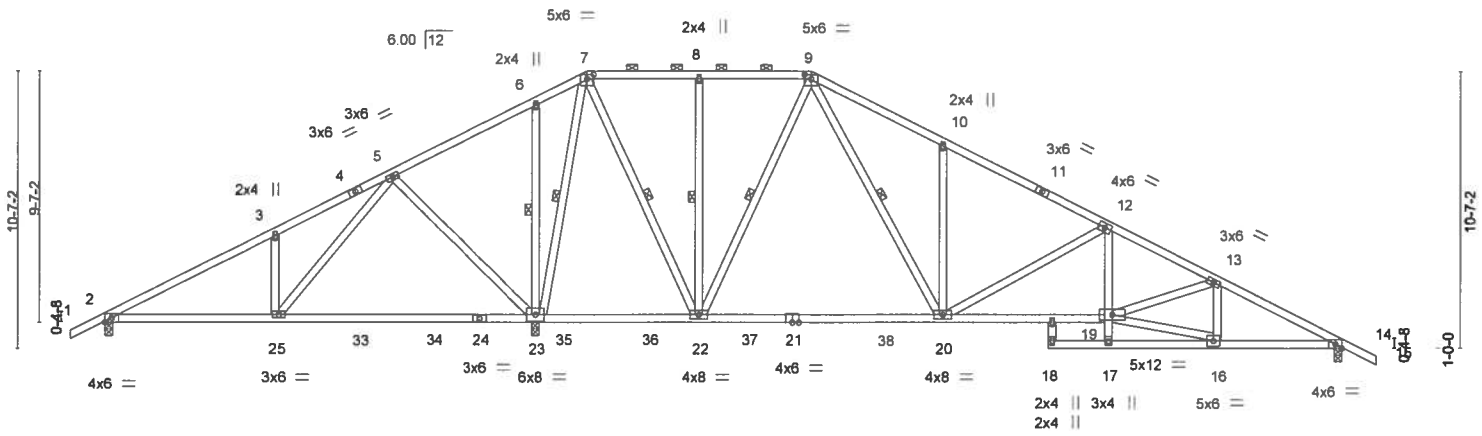
ID:?_sYxEXBIMTrWFdO3OSD1Wz38tG-nd0n1qgFhHOfx_wMEr7LwPu3k3LFzTVCxXH0qpyejXM

-1-4-0	6-5-12	11-0-0	16-5-12	18-5-5	22-9-0	27-0-11	32-1-12	38-4-4	42-8-3	47-6-0	48-10-0
1-4-0	6-5-12	4-6-4	5-5-12	1-11-9	4-3-11	4-3-11	5-1-1	6-2-9	4-3-15	4-9-13	1-4-0

Scale = 1:84.7



6-5-12	16-5-12	22-9-0	32-1-12	36-2-4	38-4-4	42-8-3	47-6-0
6-5-12	10-0-0	6-3-4	9-4-12	4-0-8	2-2-0	4-3-15	4-9-13

Plate Offsets (X,Y)— [7:0-3-0,0-2-0], [9:0-3-0,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.47	Vert(LL)	0.31	23-25	>628	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.85	Vert(CT)	-0.54	20-22	>694	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.89	Horz(CT)	0.04	14	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 309 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
12-17: 2x4 SP No.3
WEBS 2x4 SP No.3

BRACING-

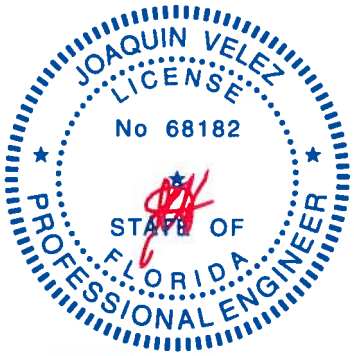
TOP CHORD Structural wood sheathing directly applied or 4-1-5 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 7-9.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. Except: 10-0-0 oc bracing: 17-19
WEBS 1 Row at midpt 6-23, 7-23, 7-22, 8-22, 9-22, 9-20

REACTIONS. (lb/size) 2=258/0-3-8, 14=1026/0-3-8, 23=2421/0-3-8
Max Horz 2=-157(LC 13)
Max Uplift 2=-203(LC 9), 14=-257(LC 13), 23=-504(LC 9)
Max Grav 2=389(LC 23), 14=1060(LC 24), 23=2421(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-327/447, 3-5=-320/615, 5-6=-440/979, 6-7=-294/902, 9-10=-1144/689, 10-12=-1147/505, 12-13=-1922/793, 13-14=-1823/786
BOT CHORD 2-25=-328/233, 23-25=-538/385, 22-23=-472/695, 20-22=0/447, 19-20=-510/1708, 12-19=-127/538, 14-16=-594/1584
WEBS 3-25=-312/336, 5-25=-916/671, 5-23=-528/661, 6-23=-267/280, 7-23=-1651/757, 7-22=-593/1254, 8-22=-273/200, 9-22=-777/482, 9-20=-644/1066, 10-20=-337/368, 12-20=-859/494, 16-19=-548/1542, 13-16=-298/152

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) and C-C Exterior(2) zone; porch left 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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=203, 14=257, 23=504.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
September 11,2019

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 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, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	HARTLEY - BURK RES	T18088680
2075895	T28	Piggyback Base	4	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Jul 14 2019 MiTek Industries, Inc. Wed Sep 11 11:13:29 2019 Page 1

ID:?_sYxEXBIMTrWFdO3OSD1Wz38tG-k?8XSWiVDufNBI4ILG9p0qzO6t4LRN3VOqm7viyejXK

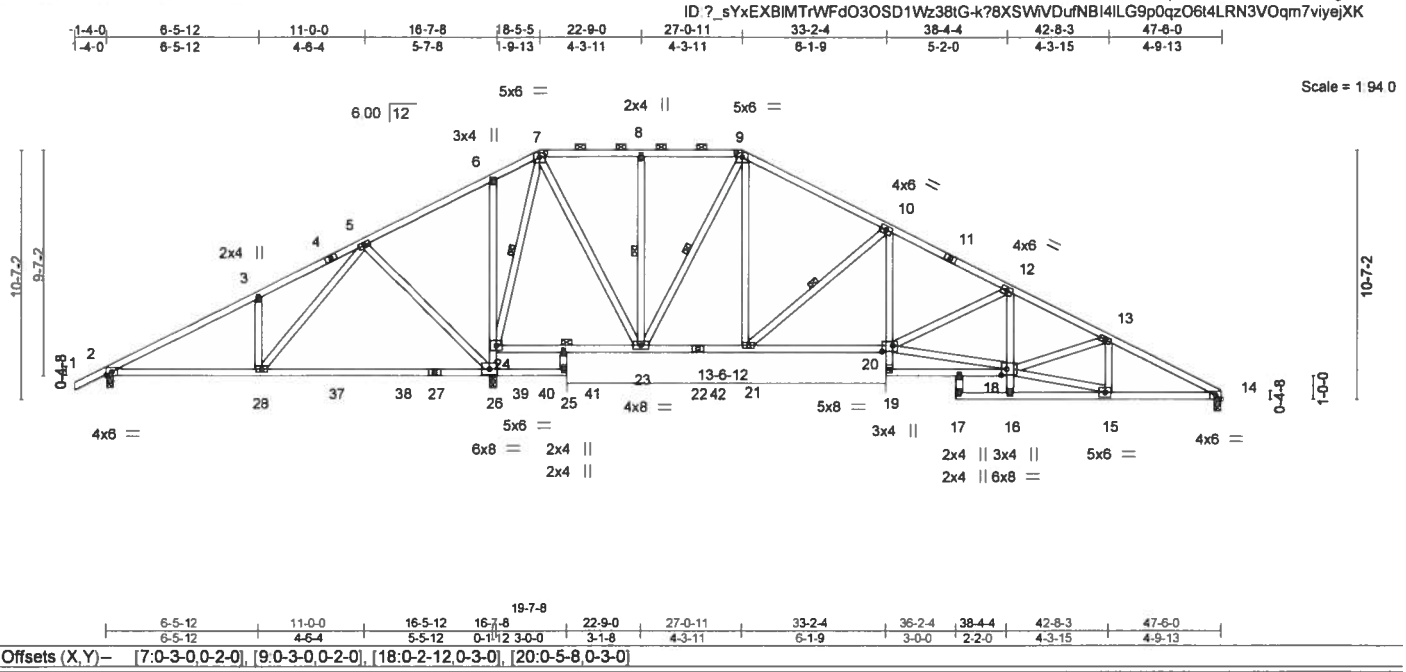


Plate Offsets (X,Y)— [7:0-3-0,0-2-0], [9:0-3-0,0-2-0], [18:0-2-12,0-3-0], [20:0-5-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.48	Vert(LL)	0.38	26-28	>514	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.68	Vert(CT)	-0.41	26-28	>478	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.89	Horz(CT)	0.03	14	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 318 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2 *Except* 10-19,12-16: 2x4 SP No.3
WEBS	2x4 SP No.3

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 3-9-14 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 7-9.
BOT CHORD	Rigid ceiling directly applied or 5-4-4 oc bracing. Except: 4-0-0 oc bracing: 24-26 6-0-0 oc bracing: 23-24 10-0-0 oc bracing: 16-18
WEBS	1 Row at midpt 7-24, 8-23, 9-23, 10-21

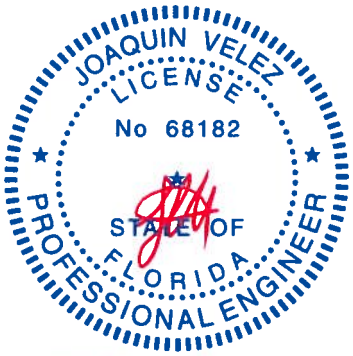
REACTIONS. (lb/size) 2=527/0-3-8, 14=1098/0-3-8, 26=2072/0-3-8
Max Horz 2=140(LC 11)
Max Uplift 2=-304(LC 9), 14=-282(LC 13), 26=-333(LC 9)
Max Grav 2=576(LC 23), 14=1111(LC 24), 26=2094(LC 2)

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

TOP CHORD	2-3=-738/1246, 3-5=-729/1410, 5-6=0/519, 6-7=0/492, 7-8=-515/693, 8-9=-515/693, 9-10=-1030/850, 10-12=-1851/1206, 12-13=-2264/1349, 13-14=-2115/1228
BOT CHORD	2-28=-961/599, 26-28=-387/182, 24-26=-1547/494, 6-24=-242/252, 21-23=-268/831, 20-21=-777/1623, 10-20=-290/695, 12-18=0/279, 14-15=-1023/1848
WEBS	3-28=-305/328, 5-28=-911/673, 5-26=-524/652, 7-24=-1260/246, 7-23=-410/1081, 8-23=-269/185, 9-23=-702/272, 9-21=-400/771, 10-21=-1016/656, 18-20=-978/1929, 12-20=-442/288, 15-18=-964/1803, 13-15=-351/251

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) and C-C Exterior(2) zone; porch left 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) All plates are 3x6 MT20 unless otherwise indicated.
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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=304, 14=282, 26=333.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Joaquin Velez PE No.68182
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Date:
September 11,2019

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6904 Parke East Blvd.
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Job	Truss	Truss Type	Qty	Ply	HARTLEY - BURK RES.	T18088681
2075895	T29	Piggyback Base	3	1	Job Reference (optional)	

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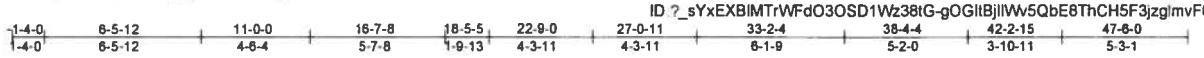
ID:?_sYxEXBlMTrWFdO3OSD1Wz38tG-gOGltBjllWv5QbE8ThCH5F3jzglmvF6os8FDzayejXI



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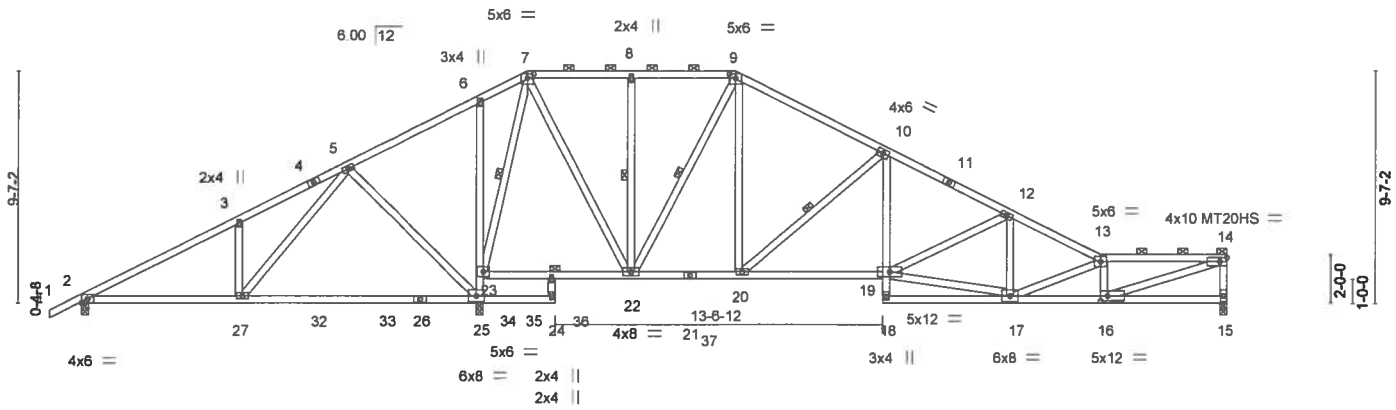


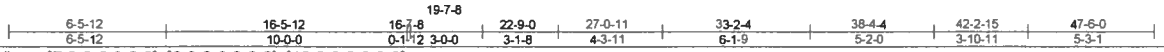


Plate Offsets (X,Y)-- [7:0-3-0,0-2-0], [9:0-3-0,0-2-0], [16:0-3-8,0-2-8]

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	0.52	Vert(LL)	0.39	25-27	>512	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.68	Vert(CT)	-0.42	25-27	>467	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.98	Horz(CT)	0.04	15	n/a	n/a		
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-MS							Weight: 314 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2 *Except* 10-18: 2x4 SP No.3
WEBS	2x4 SP No.3

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 3-11-6 oc purlins, except end verticals, and 2-0-0 oc purlins (3-2-2 max.): 7-9, 13-14.
BOT CHORD	Rigid ceiling directly applied or 4-10-1 oc bracing. Except: 3-9-0 oc bracing: 23-25 6-0-0 oc bracing: 22-23
WEBS	1 Row at midpt 7-23, 8-22, 9-22, 10-20

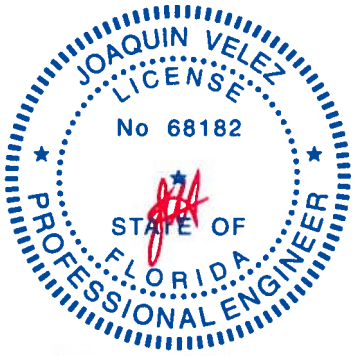
REACTIONS. (lb/size) 15=1045/0-3-8, 2=496/0-3-8, 25=2098/0-3-8
Max Horz 2=168(LC 12)
Max Uplift 15=-266(LC 13), 2=-285(LC 9), 25=-376(LC 9)
Max Grav 15=1057(LC 24), 2=562(LC 23), 25=2115(LC 2)

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

TOP CHORD	2-3=-708/1075, 3-5=-700/1240, 5-6=-16/551, 6-7=0/506, 7-8=-450/584, 8-9=-450/584, 9-10=-955/751, 10-12=-1727/1101, 12-13=-2123/1243, 13-14=-2522/1426, 14-15=-990/588
BOT CHORD	2-27=-951/573, 25-27=-373/154, 23-25=-1575/613, 6-23=-240/253, 20-22=-321/765, 19-20=-826/1512, 10-19=-283/629, 16-17=-1471/2589
WEBS	3-27=-306/330, 5-27=-916/679, 5-25=-525/653, 7-23=-1288/366, 7-22=-455/1073, 8-22=-269/186, 9-22=-699/317, 9-20=-396/735, 10-20=-958/649, 17-19=-1019/1798, 12-19=-412/279, 13-17=-800/452, 13-16=-791/525, 14-16=-1461/2578

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) and C-C Exterior(2) zone; porch left 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) All plates are MT20 plates unless otherwise indicated.
5) All plates are 3x6 MT20 unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 15=266, 2=285, 25=376.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
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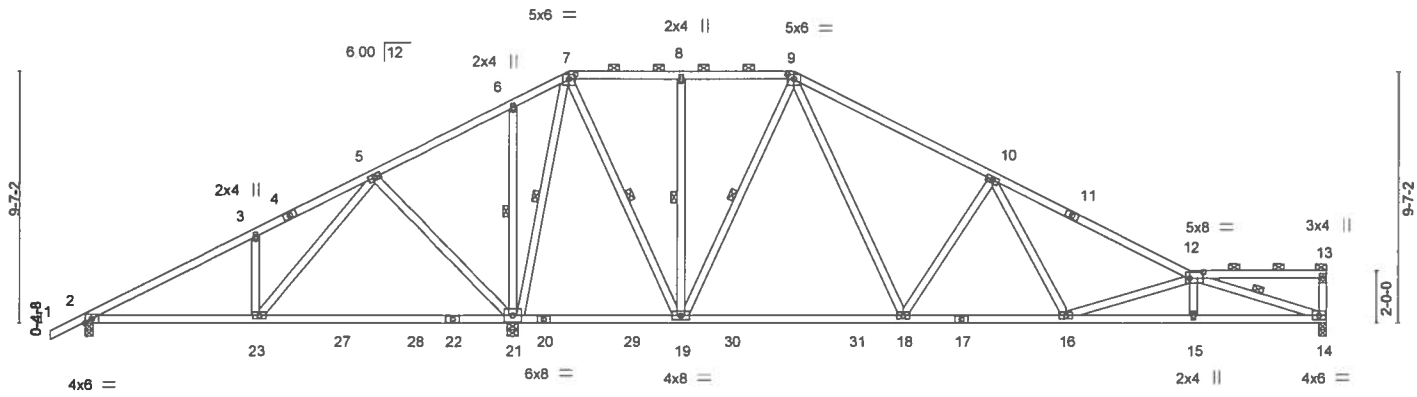
Date:
September 11,2019

Job	Truss	Truss Type	Qty	Ply	HARTLEY - BURK RES	T18088682
2075895	T30	Piggyback Base	1	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Jul 14 2019 MiTek Industries, Inc. Wed Sep 11 11:13:33 2019 Page 1
ID:?_sYxEXBIMTrWFdO3OSD1Wz38tG-cnO2HtI0H79pfvOWa6EIAg81yURDN9d5JSkK2TyejXG

1-4-0	6-5-12	11-0-0	16-3-12	18-5-5	22-9-0	27-0-11	34-8-0	42-2-15	47-6-0
1-4-0	6-5-12	4-6-4	5-3-12	2-1-10	4-3-11	4-3-11	7-7-5	7-6-15	5-3-1

Scale = 1:84.5



6-5-12	16-3-12	22-9-0	31-3-2	37-6-0	42-2-15	47-6-0
6-5-12	9-10-0	6-5-4	8-6-2	6-2-14	4-8-15	5-3-1

Plate Offsets (X,Y)-- [7:0-3-0,0-2-0], [9:0-3-0,0-2-0], [12:0-6-4,0-2-12]

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	0.68	Vert(LL)	0.29	21-23	>673	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.69	Vert(CT)	0.24	21-23	>808	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.98	Horz(CT)	0.03	14	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 295 lb	FT = 20%

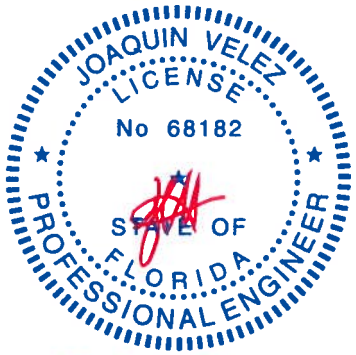
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-3-7 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 7-9, 12-13.
BOT CHORD Rigid ceiling directly applied or 5-9-0 oc bracing.
WEBS 1 Row at midpt 6-21, 7-21, 7-19, 8-19, 9-19, 12-14

REACTIONS. (lb/size) 14=882/0-3-8, 2=172/0-3-8, 21=2522/0-4-15
Max Horz 2=168(LC 12)
Max Uplift 14=-215(LC 13), 2=-175(LC 9), 21=-555(LC 9)
Max Grav 14=913(LC 24), 2=349(LC 23), 21=2522(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-238/559, 3-5=-232/546, 5-6=-619/1155, 6-7=-477/1087, 9-10=-895/453, 10-12=-1539/613
BOT CHORD 2-23=-479/199, 21-23=-711/374, 19-21=-577/621, 18-19=0/355, 16-18=-372/1085, 15-16=-944/2204, 14-15=-940/2210
WEBS 3-23=-316/341, 5-23=-919/674, 5-21=-519/652, 6-21=-256/271, 7-21=-1769/897, 7-19=-634/1249, 8-19=-269/180, 9-19=-817/540, 9-18=-487/848, 10-18=-721/567, 10-16=-170/490, 12-16=-951/525, 12-14=-2255/959

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) and C-C Exterior(2) zone; porch left 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) All plates are 3x6 MT20 unless otherwise indicated.
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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 14=215, 2=175, 21=555.
9) 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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MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	HARTLEY - BURK RES.	T18088683
2075895	T31	Piggyback Base	3	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Jul 14 2019 MiTek Industries, Inc. Wed Sep 11 11:13:35 2019 Page 1

ID:?_sYxEXBIMTrWFdO3OSD1Wz38tG-Y9VpiZmGpkPWvDYviXGDF5DLTH6Rr3pOnmDR6LyejXE

1-4-0	6-5-12	11-0-0	18-5-5	22-9-0	27-0-11	31-5-0	38-4-4	42-8-3	47-6-0	48-10-0
1-4-0	6-5-12	4-6-4	7-5-5	4-3-11	4-3-11	4-4-5	6-11-4	4-3-15	4-9-13	1-4-0

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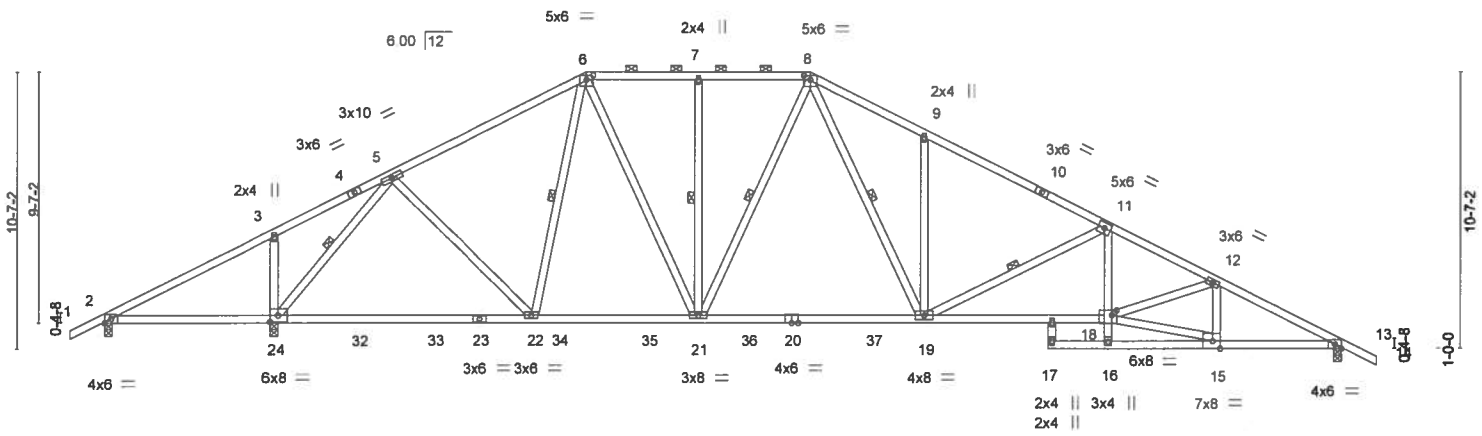


6-5-12	16-5-12	22-9-0	31-5-0	36-2-4	38-4-4	42-8-3	47-6-0
6-5-12	10-0-0	6-3-4	8-8-0	4-9-4	2-2-0	4-3-15	4-9-13

Plate Offsets (X,Y)– [6:0-3-0,0-2-0], [8:0-3-0,0-2-0], [15:0-3-8,Edge], [18:0-2-4,0-2-4], [24:0-3-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.81	Vert(LL)	-0.27	19-21	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.77	Vert(CT)	-0.49	19-21	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.94	Horz(CT)	0.11	13	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 298 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2

BOT CHORD 2x4 SP No.2 *Except*
11-16: 2x4 SP No.3, 18-20,20-23: 2x4 SP M 31

WEBS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except 2-0-0 oc purlins (4-8-2 max.): 6-8.

BOT CHORD Rigid ceiling directly applied or 5-5-1 oc bracing. Except: 10-0-0 oc bracing: 16-18

WEBS 1 Row at midpt 5-24, 6-22, 7-21, 8-21, 8-19, 11-19

REACTIONS. (lb/size) 2=-83/0-3-8, 13=1562/0-3-8, 24=2226/0-3-8
Max Horz 2=-157(LC 13)
Max Uplift 2=-258(LC 26), 13=-332(LC 13), 24=-391(LC 12)
Max Grav 2=38(LC 23), 13=1562(LC 1), 24=2226(LC 1)

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

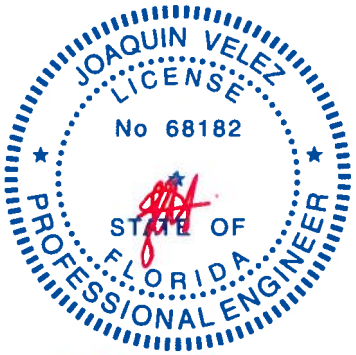
TOP CHORD 2-3=-314/842, 3-5=-146/819, 5-6=-1404/857, 6-7=-1495/991, 7-8=-1495/991, 8-9=-2333/1445, 9-11=-2349/1260, 11-12=-3338/1678, 12-13=-2899/1458

BOT CHORD 2-24=-719/441, 22-24=-204/733, 21-22=-292/1234, 19-21=-461/1552, 18-19=-1320/2997, 11-18=-201/666, 13-15=-1192/2542

WEBS 3-24=-294/334, 5-24=-2206/1019, 5-22=-85/733, 6-22=-332/139, 6-21=-275/701, 7-21=-258/165, 8-21=-266/127, 8-19=-670/1111, 9-19=-345/375, 11-19=-1089/642, 15-18=-1109/2455, 12-18=-105/438, 12-15=-541/301

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) and C-C Exterior(2) zone; porch left 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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=258, 13=332, 24=391.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
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Date:
September 11,2019

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 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, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

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6904 Parke East Blvd.
Tampa, FL 33610

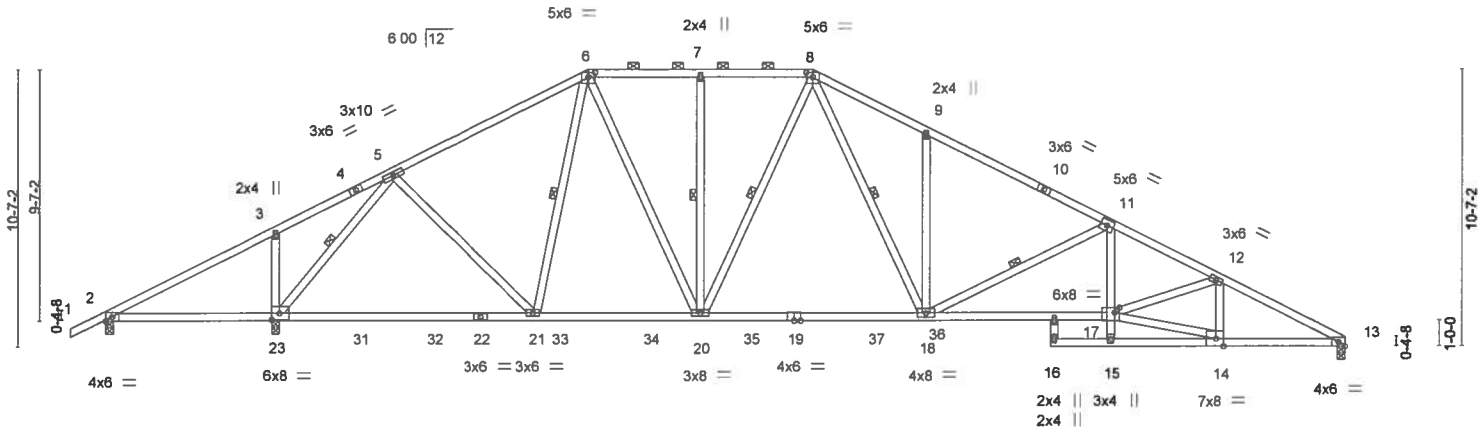
Job	Truss	Truss Type	Qty	Ply	HARTLEY - BURK RES	T18088684
2075895	T32	Piggyback Base	3	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8 240 s Jul 14 2019 MiTek Industries, Inc. Wed Sep 11 11:13:37 2019 Page 1

ID:?_sYxEXBIMTrWFdO3OSD1Wz38tG-VYdZ7FoWLMfE8WhHpxJiKWlhx5nvJzAgE4iYBEyejXC

1-4-0	6-5-11	11-0-0	18-5-5	22-9-0	27-0-11	31-5-0	38-4-4	42-8-3	47-6-0
1-4-0	6-5-11	4-6-5	7-5-5	4-3-11	4-3-11	4-4-5	6-11-5	4-3-15	4-9-13

Scale = 1:84.6



6-5-12	16-5-12	22-9-0	31-5-0	36-2-4	38-4-4	42-8-3	47-6-0
6-5-12	10-0-0	6-3-4	8-8-0	4-9-4	2-2-0	4-3-15	4-9-13

Plate Offsets (X,Y)– [6:0-3-0,0-2-0], [8:0-3-0,0-2-0], [14:0-3-8,Edge], [17:0-2-4,0-2-4], [23:0-3-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.81	Vert(LL)	-0.27	18-20	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.77	Vert(CT)	-0.49	18-20	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.94	Horz(CT)	0.11	13	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 295 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2

BOT CHORD 2x4 SP No.2 *Except*
11-15: 2x4 SP No.3, 17-19,19-22: 2x4 SP M 31

WEBS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except 2-0-0 oc purlins (4-8-1 max.): 6-8.

BOT CHORD Rigid ceiling directly applied or 5-3-6 oc bracing. Except: 10-0-0 oc bracing: 15-17

WEBS 1 Row at midpt 5-23, 6-21, 7-20, 8-20, 8-18, 11-18

REACTIONS. (lb/size) 2=-84/0-3-8, 13=1489/0-3-8, 23=2228/0-3-8
Max Horz 2=140(LC 11)
Max Uplift 2=-259(LC 26), 13=-306(LC 13), 23=-394(LC 12)
Max Grav 2=38(LC 23), 13=1489(LC 1), 23=2228(LC 1)

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

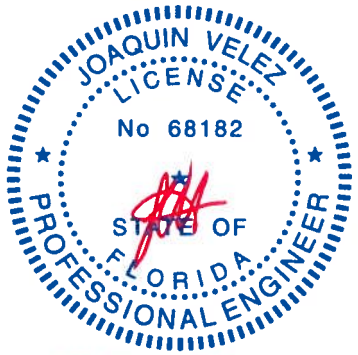
TOP CHORD 2-3=-333/844, 3-5=-166/821, 5-6=-1406/852, 6-7=-1498/990, 7-8=-1498/990, 8-9=-2337/1450, 9-11=-2354/1265, 11-12=-3350/1693, 12-13=-2921/1473

BOT CHORD 2-23=-721/425, 21-23=-231/726, 20-21=-323/1236, 18-20=-495/1554, 17-18=-1365/3007, 11-17=-212/668, 13-14=-1239/2564

WEBS 3-23=-294/335, 5-23=-2210/1034, 5-21=-91/733, 6-21=-332/144, 6-20=-279/702, 7-20=-258/165, 8-20=-268/130, 8-18=-676/1115, 9-18=-345/376, 11-18=-1097/653, 14-17=-1157/2479, 12-17=-97/428, 12-14=-538/305

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) and C-C Exterior(2) zone; porch left 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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=259, 13=306, 23=394.
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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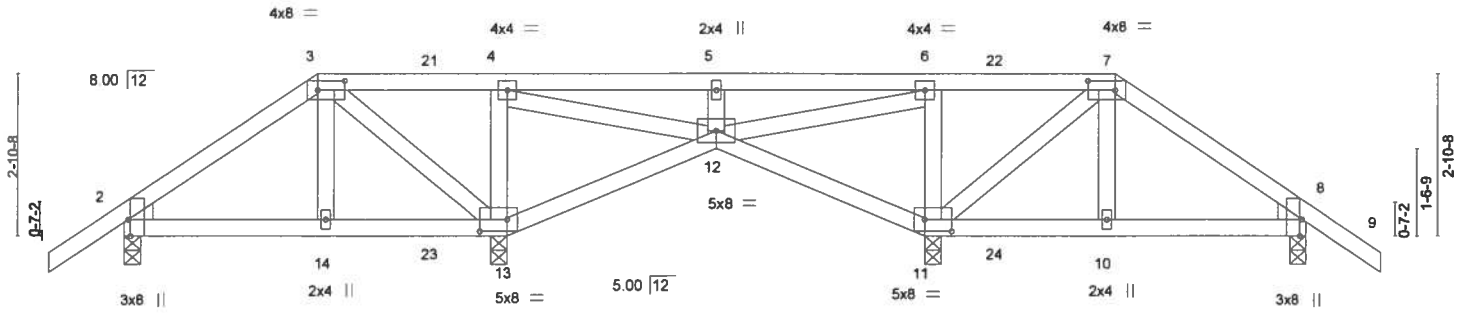
Job	Truss	Truss Type	Qty	Ply	HARTLEY - BURK RES.	T18088685
2075895	T33	Hip Girder	1	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Jul 14 2019 MiTek Industries, Inc. Wed Sep 11 11:13:38 2019 Page 1
ID:?_sYxEXBIMTrWFdO3OSD1Wz38tG-zkBxLbp86fn5mgGUNfqxtkr?ZVGT2cdqTkR5jgyejXB

-1-4-0	3-5-0	6-9-8	10-6-0	14-2-8	17-7-0	21-0-0	22-4-0
1-4-0	3-5-0	3-4-8	3-8-8	3-8-8	3-4-8	3-5-0	1-4-0

Scale = 1:39.2



3-5-0	6-7-12	6-9-8	10-6-0	14-2-8	14-4-4	17-7-0	21-0-0
3-5-0	3-2-12	0-1-12	3-8-8	3-8-8	0-1-12	3-2-12	3-5-0

Plate Offsets (X,Y)-- [2:0-3-8,Edge], [2:0-0-9,0-4-6], [2:0-0-5,0-0-7], [3:0-5-12,0-2-0], [7:0-5-12,0-2-0], [8:0-3-8,Edge], [8:0-0-9,0-4-6], [8:0-0-5,0-0-7], [11:0-5-12,0-2-8], [13:0-5-12,0-2-8]

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 0.24	Vert(LL) 0.01 10-11 >999 240	MT20 244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.17	Vert(CT) -0.01 12-13 >999 180	
BCLL 0.0 *	Rep Stress Incr NO	WB 0.16	Horz(CT) 0.01 8 n/a n/a	
BCDL 10.0	Code FBC2017/TPI2014	Matrix-MS		Weight: 109 lb FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
WEDGE
Left: 2x4 SP No.3, Right: 2x4 SP No.3

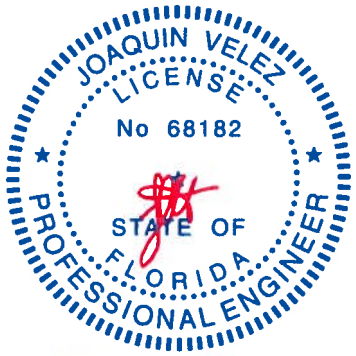
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. All bearings 0-3-8.
(lb) - Max Horz 2=80(LC 7)
Max Uplift All uplift 100 lb or less at joint(s) except 2=-158(LC 5), 13=-338(LC 5), 11=-440(LC 5), 8=-240(LC 4)
Max Grav All reactions 250 lb or less at joint(s) except 2=307(LC 19), 13=712(LC 1), 11=793(LC 1), 8=361(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 7-8=-302/302
WEBS 3-14=-147/263, 3-13=-392/226, 4-13=-310/160, 4-12=-77/256, 6-11=-317/176, 7-11=-499/334, 7-10=-139/260

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); porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 158 lb uplift at joint 2, 338 lb uplift at joint 13, 440 lb uplift at joint 11 and 240 lb uplift at joint 8.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 60 lb down and 109 lb up at 5-5-12, and 60 lb down and 109 lb up at 15-6-4, and 147 lb down and 192 lb up at 17-7-0 on top chord, and 103 lb down and 114 lb up at 3-5-0, 48 lb down and 62 lb up at 5-5-12, and 48 lb down and 62 lb up at 15-6-4, and 103 lb down and 114 lb up at 17-7-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

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



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Continued on page 2

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Job	Truss	Truss Type	Qty	Ply	HARTLEY - BURK RES. T18088685
2075895	T33	Hip Girder	1	1	Job Reference (optional)

LOAD CASE(S) Standard

Uniform Loads (plf)

Vert: 1-3=-54, 3-7=-54, 7-9=-54, 13-15=-20, 12-13=-20, 11-12=-20, 11-18=-20

Concentrated Loads (lb)

Vert: 7=-122(F) 14=-77(F) 10=-77(F) 21=-60(F) 22=-60(F) 23=-39(F) 24=-39(F)

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Job	Truss	Truss Type	Qty	Ply	HARTLEY - BURK RES.	T18088686
2075895	T34	SCISSORS	1	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8 240 s Jul 14 2019 MiTek Industries, Inc. Wed Sep 11 11:13:40 2019 Page 1
ID:?_sYxEXBIMTrWFdO3OSD1Wz38tG-v7JimGqPdH1p?_QsV4sPy9wH8lxSWVU7w2wCoZyejX9

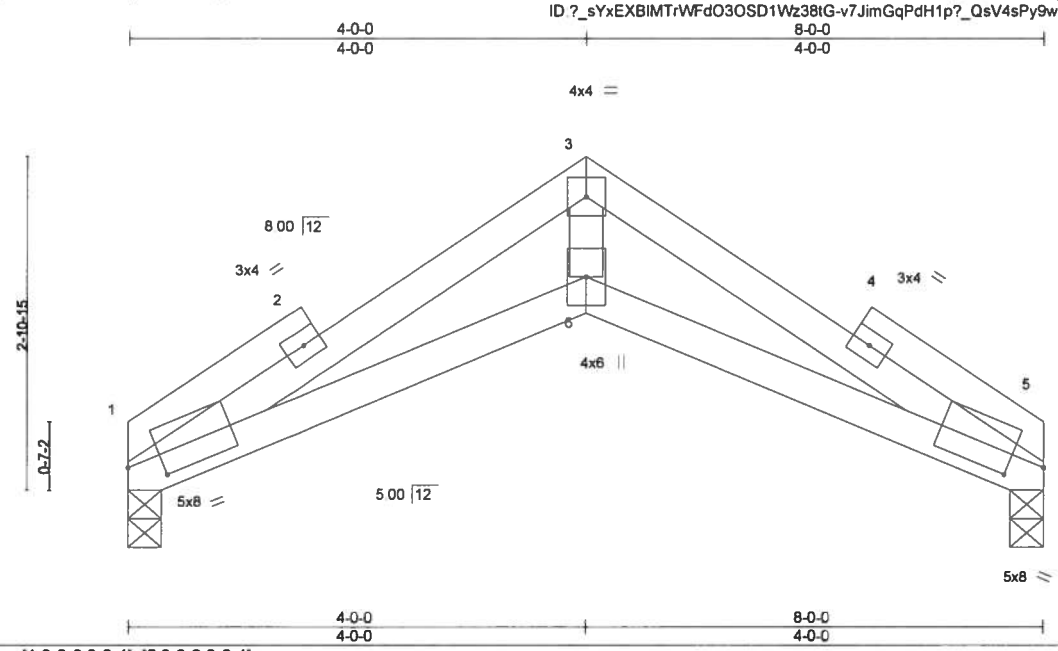


Plate Offsets (X,Y)-- [1:0-3-9,0-2-4], [5:0-3-9,0-2-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.49	Vert(LL)	0.06	6-13	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.20	Vert(CT)	-0.06	6	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.20	Horz(CT)	0.05	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 34 lb	FT = 20%

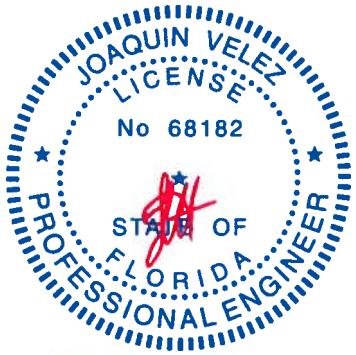
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-5-10 oc bracing.

REACTIONS. (lb/size) 1=296/0-3-8, 5=296/0-3-8
Max Horz 1=-72(LC 8)
Max Uplift 1=-107(LC 12), 5=-107(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-3=-707/998, 3-5=-707/998
BOT CHORD 1-6=-775/646, 5-6=-775/646
WEBS 3-6=-842/537

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; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
6) Bearing at joint(s) 1, 5 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 107 lb uplift at joint 1 and 107 lb uplift at joint 5.



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Job	Truss	Truss Type	Qty	Ply	HARTLEY - BURK RES.	T18088687
2075895	T35	SCISSORS	2	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Jul 14 2019 MiTek Industries, Inc. Wed Sep 11 11:13:41 2019 Page 1
ID:?_sYxEXBIMTrWFdO3OSD1Wz38tG-NJt4zcr1Oa9gd8?32nNeVMTWqIlMFzFG9iglK?yejX8

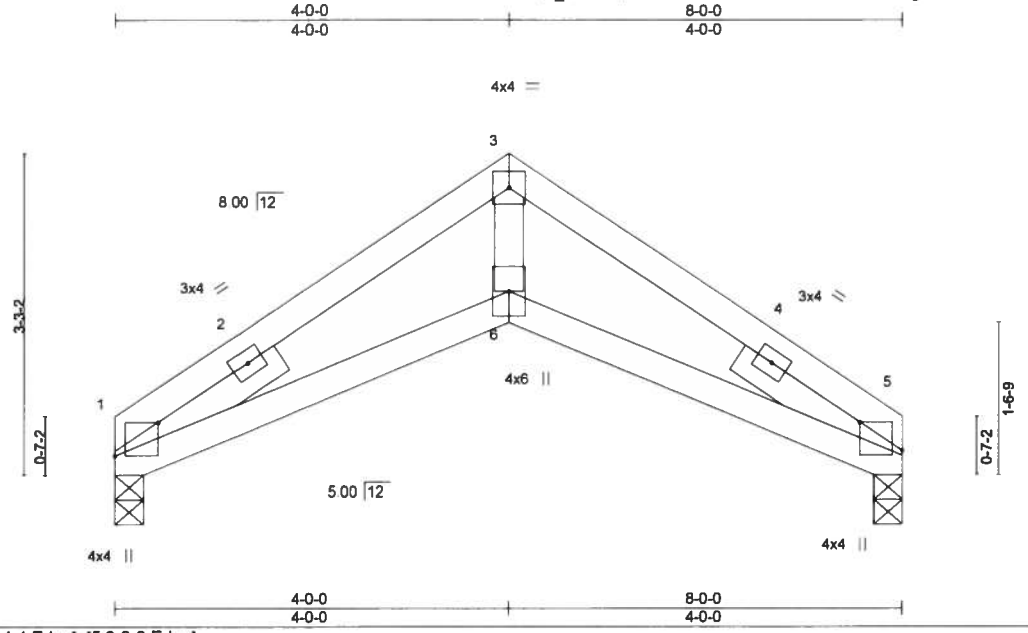


Plate Offsets (X,Y)-- [1:0-4-1,Edge], [5:0-3-8,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.24	Vert(LL)	0.03	6-13	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.16	Vert(CT)	0.03	6-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.17	Horz(CT)	0.02	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 35 lb	FT = 20%

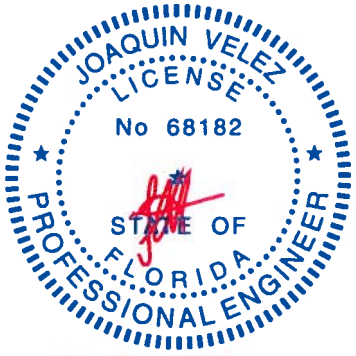
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 1-11-8, Right 2x4 SP No.3 1-11-8

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

REACTIONS. (lb/size) 1=296/0-3-8, 5=296/0-3-8
Max Horz 1=83(LC 9)
Max Uplift 1=-104(LC 12), 5=-104(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-3=-577/795, 3-5=-577/795
BOT CHORD 1-6=-549/502, 5-6=-549/502
WEBS 3-6=-705/447

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; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
6) Bearing at joint(s) 1, 5 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 104 lb uplift at joint 1 and 104 lb uplift at joint 5.



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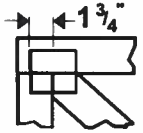
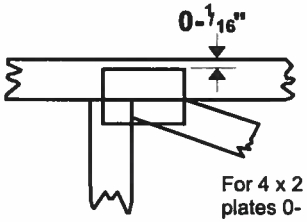
Symbols

PLATE LOCATION AND ORIENTATION



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



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

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

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

PLATE SIZE

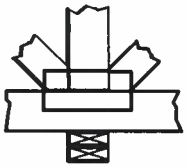
4 x 4

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

LATERAL BRACING LOCATION

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

BEARING

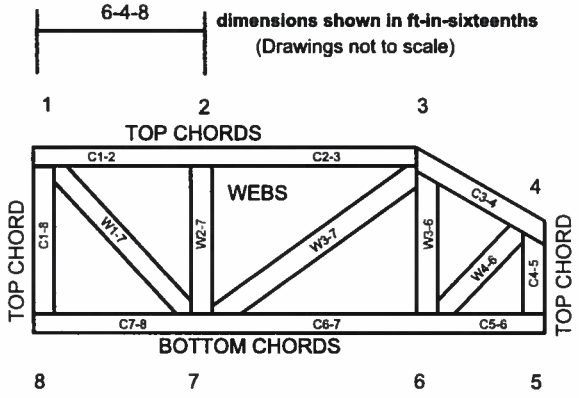


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

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

Numbering System



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

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

PRODUCT CODE APPROVALS

ICC-ES Reports:

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

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

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

MiTek

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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