9.11.20

COLUMBIA COUNTY BUILDING DEPARTMENT
Received for FILE COPY
Code Compliance
PLANS EXAMINER

RE: 2435652
LIPSCOMB EAGLE - LOT 31 TC

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

Site Information:

Customer: Lipscomb Eagle Project Name: 2435652
Lot/Block: 31 Model: Custom
Address: N/A Subdivision: Turkey Creek
City: Columbia Cty State: FL

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 53 individual, dated 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	T21009011	CJ01	9/11/2020	21	T21009031	PB04	9/11/2020
2	T21009012	CJ01A	9/11/2020	22	T21009032	PB05	9/11/2020
3	T21009013	CJ02	9/11/2020	23	T21009033	PB06	9/11/2020
4	T21009014	CJ03	9/11/2020	24	T21009034	T01	9/11/2020
5	T21009015	CJ03A	9/11/2020	25	T21009035	T01G	9/11/2020
6	T21009016	CJ03B	9/11/2020	26	T21009036	T02	9/11/2020
7	T21009017	CJ04	9/11/2020	27	T21009037	T03	9/11/2020
8	T21009018	CJ05	9/11/2020	28	T21009038	T04	9/11/2020
9	T21009019	CJ05A	9/11/2020	29	T21009039	T05	9/11/2020
10	T21009020	CJ05B	9/11/2020	30	T21009040	T06	9/11/2020
11	T21009021	CJ06	9/11/2020	31	T21009041	T07	9/11/2020
12	T21009022	EJ01	9/11/2020	32	T21009042	T08	9/11/2020
13	T21009023	EJ02	9/11/2020	33	T21009043	T09	9/11/2020
14	T21009024	HJ08	9/11/2020	34	T21009044	T10	9/11/2020
15	T21009025	HJ10	9/11/2020	35	T21009045	T11	9/11/2020
16	T21009026	HJ10A	9/11/2020	36	T21009046	T12	9/11/2020
17	T21009027	HJ12	9/11/2020	37	T21009047	T13	9/11/2020
18	T21009028	PB01	9/11/2020	38	T21009048	T14	9/11/2020
19	T21009029	PB02	9/11/2020	39	T21009049	T15	9/11/2020
20	T21009030	PB03	9/11/2020	40	T21009050	T16	9/11/2020

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.
Florida COA: 6634

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. Any project specific information included is for MiTek customers file reference purpose only, and was not taken into account in the preparation of these designs. MiTek has not independently verified the applicability of the design parameters or the designs for any particular building. Before use, the building designer should verify applicability of design parameters and properly incorporate these designs into the overall building design per ANSI/TPI 1, Chapter 2.

JOAQUIN VELEZ
LICENSE
No 68182
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date: September 11, 2020

Velez, Joaquin

1 Set

RE: 2435652 - LIPSCOMB EAGLE - LOT 31 TC

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

Site Information:

Project Customer: Lipscomb Eagle Project Name: 2435652
Lot/Block: 31 Subdivision: Turkey Creek
Address: N/A
City, County: Columbia Cty State: FL

No.	Seal#	Truss Name	Date
41	T21009051	T17	9/11/2020
42	T21009052	T18	9/11/2020
43	T21009053	T19	9/11/2020
44	T21009054	T20	9/11/2020
45	T21009055	T21	9/11/2020
46	T21009056	T22	9/11/2020
47	T21009057	T23	9/11/2020
48	T21009058	T24	9/11/2020
49	T21009059	T25	9/11/2020
50	T21009060	T25G	9/11/2020
51	T21009061	T26	9/11/2020
52	T21009062	T27	9/11/2020
53	T21009063	T28	9/11/2020

Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 31 TC	T21009011
2435652	CJ01	Jack-Open	5	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 13 06:53:24 2020 Page 1
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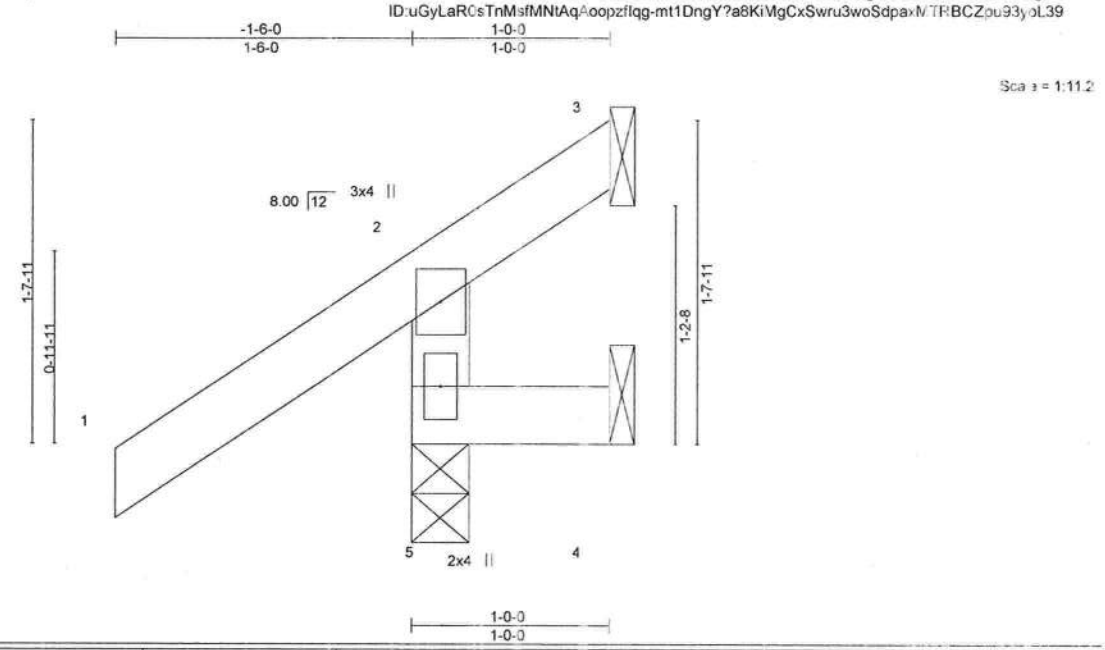

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.24	Vert(LL)	0.00	5	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.03	Vert(CT)	0.00	5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MR							Weight: 7 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 1-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 5=0-3-8, 3=Mechanical, 4=Mechanical
Max Horz 5=61(LC 12)
Max Uplift 5=-84(LC 12), 3=-43(LC 1), 4=-13(LC 9)
Max Grav 5=207(LC 1), 3=18(LC 16), 4=14(LC 10)

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; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 84 lb uplift at joint 5, 43 lb uplift at joint 3 and 13 lb uplift at joint 4.

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

August 13,2020

MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 31 TC	T21009012
2435652	CJ01A	Jack-Open	1	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 13 06:53:25 2020 Page 1

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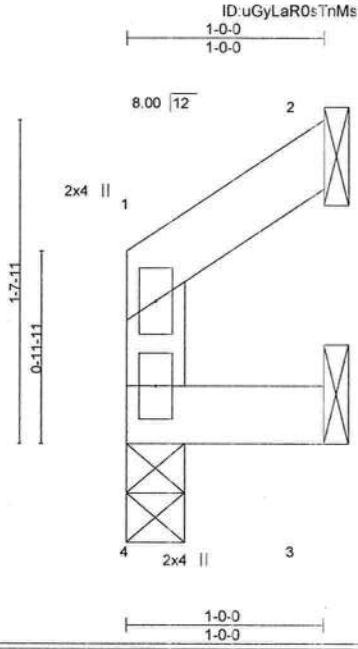

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.06	Vert(LL)	-0.00	4	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.03	Vert(CT)	-0.00	4	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MR							Weight: 4 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 1-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=0-3-8, 2=Mechanical, 3=Mechanical
Max Horz 4=-35(LC 10)
Max Uplift 4=-2(LC 10), 2=-34(LC 12), 3=-11(LC 9)
Max Grav 4=33(LC 20), 2=32(LC 19), 3=21(LC 10)

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; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 2 lb uplift at joint 4, 34 lb uplift at joint 2 and 11 lb uplift at joint 3.

Joaquin Velez PE No.68182
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6904 Parke East Blvd. Tampa FL 33610
Date:

August 13,2020

Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 31 TC	T21009013
2435652	CJ02	Jack-Open	2	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 13 06:53:26 2020 Page 1
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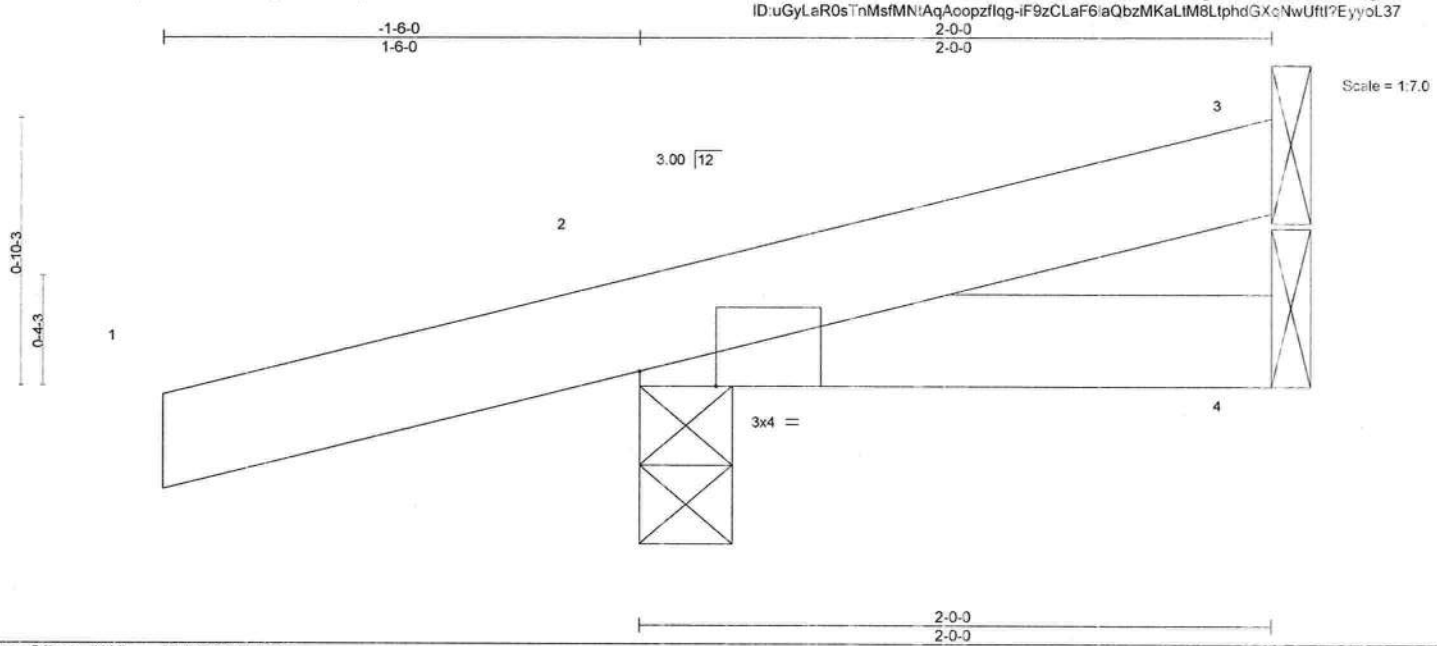

Plate Offsets (X,Y)-- [2:0-2-14,Edge]

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	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 8 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 2-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=48(LC 8)
Max Uplift 3=-19(LC 8), 2=-172(LC 8), 4=-15(LC 9)
Max Grav 3=29(LC 1), 2=185(LC 1), 4=28(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) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 19 lb uplift at joint 3, 172 lb up ift at joint 2 and 15 lb uplift at joint 4.

Joaquin Velez PE No.68182
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6904 Parke East Blvd. Tampa FL 33610
Date:

August 13,2020

MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 31 TC	T21009014
2435652	CJ03	Jack-Open	6	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 13 06:53:26 2020 Page 1
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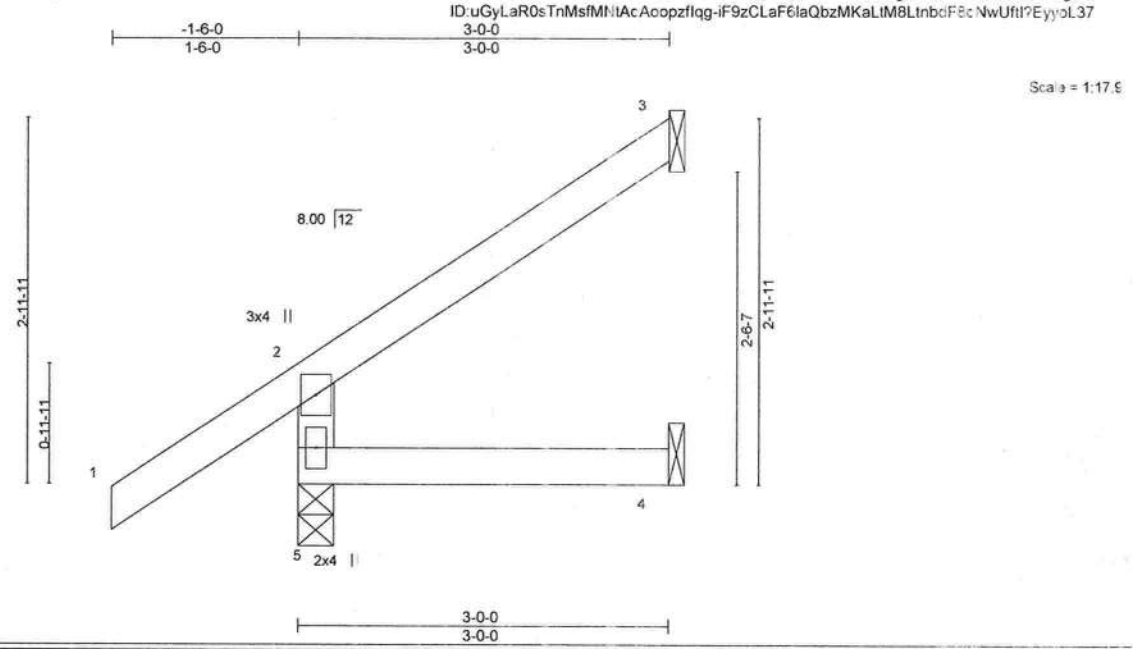

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.28	Vert(LL)	0.01	4-5	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.12	Vert(CT)	-0.01	4-5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.01	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MR							Weight: 14 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 3-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 5=0-3-8, 3=Mechanical, 4=Mechanical
Max Horz 5=124(LC 12)
Max Uplift 5=-63(LC 12), 3=-78(LC 12), 4=-9(LC 12)
Max Grav 5=218(LC 1), 3=70(LC 19), 4=50(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; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 63 lb uplift at joint 5, 78 lb uplift at joint 3 and 9 lb uplift at joint 4.

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

August 13,2020

MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Jcb	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 31 TC	T21009015
2435652	CJ03A	Jack-Open	1	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 13 06:53:27 2020 Page 1
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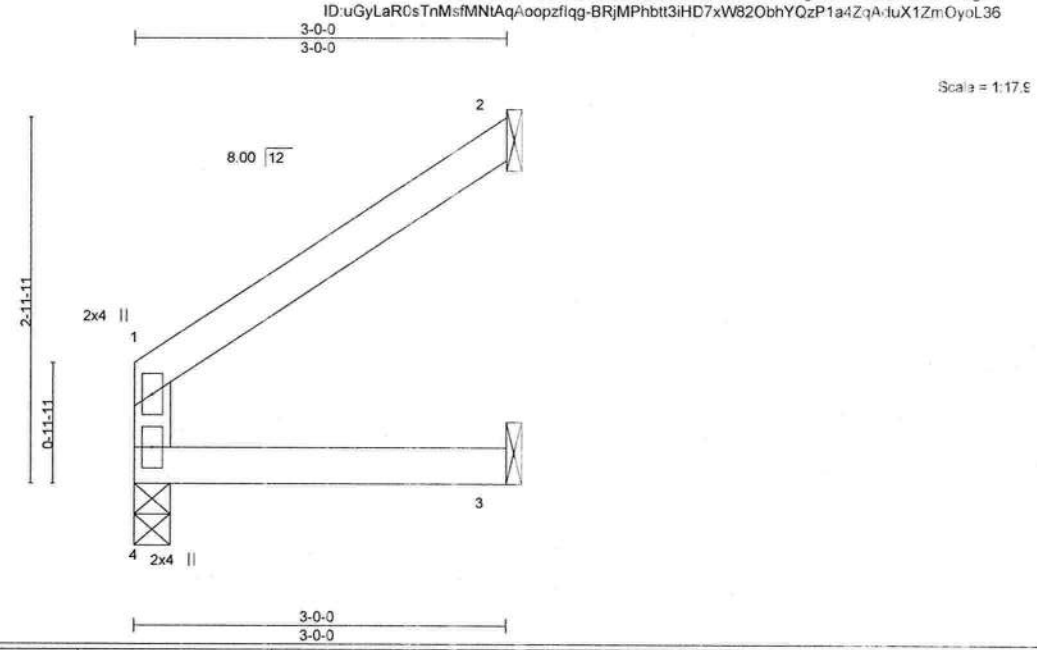

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.21	Vert(LL)	0.01	3-4	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.13	Vert(CT)	-0.01	3-4	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.01	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MR							Weight: 11 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 3-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=0-3-8, 2=Mechanical, 3=Mechanical
Max Horz 4=78(LC 12)
Max Uplift 2=-88(LC 12), 3=-13(LC 12)
Max Grav 4=103(LC 1), 2=86(LC 19), 3=53(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; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 88 lb uplift at joint 2 and 13 lb uplift at joint 3.

Joaquin Velez PE No.68182
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6904 Parke East Blvd. Tampa FL 33610
Date:

August 13,2020

MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 31 TC	T21009016
2435652	CJ03B	Jack-Open	1	1	Jcb Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 13 09:53:28 2020 Page 1

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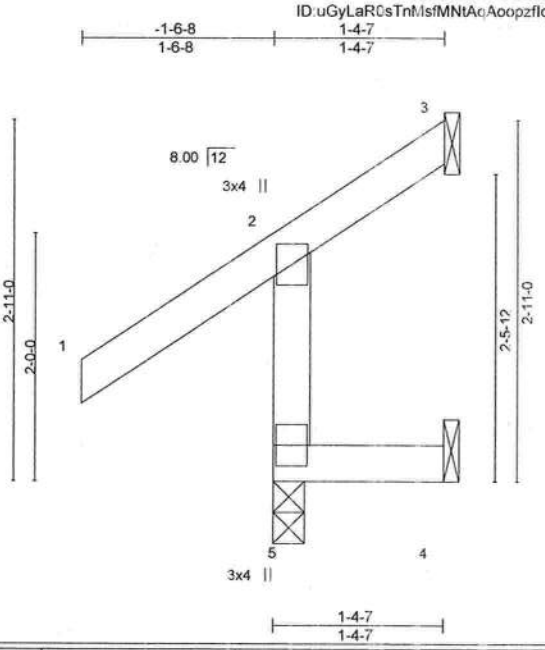


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.37	Vert(LL)	-0.00	5	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.19	Vert(CT)	-0.00	5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.02	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MR							Weight: 10 lb	FT = 20%

LUMBER-

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

BRACING-

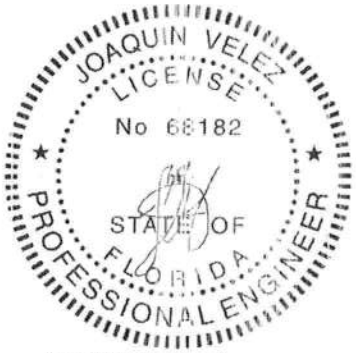
TOP CHORD Structural wood sheathing directly applied or 1-4-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 5=0-3-0, 3=Mechanical, 4=Mechanical
Max Horz 5=91(LC 9)
Max Uplift 5=-22(LC 16), 3=-42(LC 9), 4=-48(LC 9)
Max Grav 5=199(LC 1), 3=30(LC 10), 4=54(LC 10)

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; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 22 lb uplift at joint 5, 42 lb uplift at joint 3 and 48 lb uplift at joint 4.



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6904 Parke East Blvd. Tampa FL 33610
Date:

August 13,2020

MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 31 TC	21009017
2435652	CJ04	Jack-Open	2	1	Jcb Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 13 06:53:28 2020 Page 1
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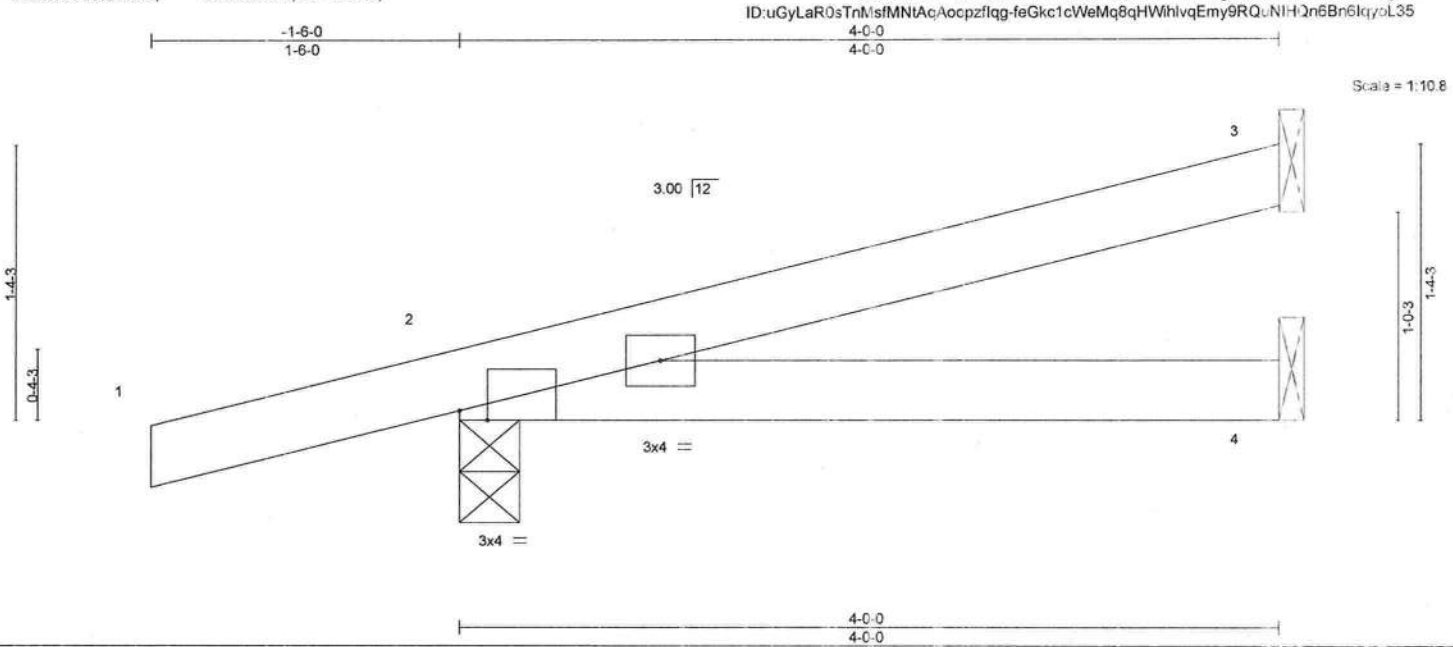

Plate Offsets (X,Y)-- [2:0-1-10,Edge]

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	0.19	Vert(LL)	0.03	4-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.19	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: 14 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. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=72(LC 8)
Max Uplift 3=-66(LC 8), 2=-208(LC 8), 4=-37(LC 8)
Max Grav 3=84(LC 1), 2=242(LC 1), 4=66(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) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 66 lb uplift at joint 3, 208 lb uplift at joint 2 and 37 lb uplift at joint 4.

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6904 Parke East Blvd. Tampa FL 33610
Date:
August 13,2020

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Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 31 TC	T21009018
2435652	CJ05	Jack-Open	5	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 13 06:53:29 2020 Page 1

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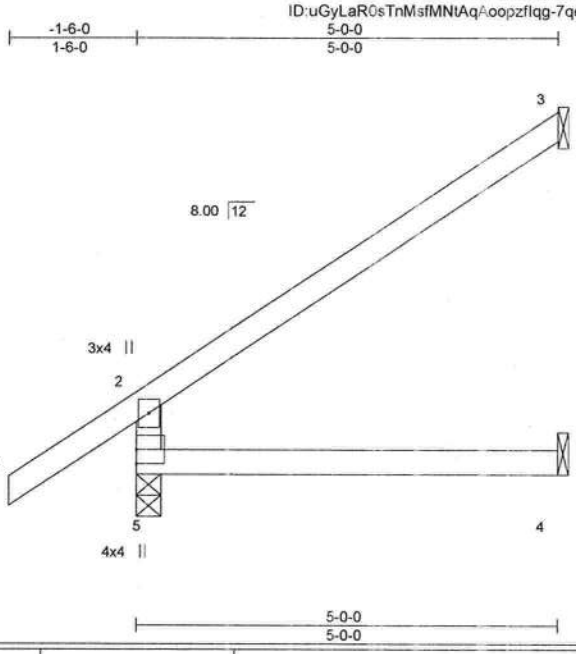

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.45	Vert(LL)	0.04	4-5	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.30	Vert(CT)	-0.06	4-5	>948	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.05	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MR							Weight: 20 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 5-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 5=0-3-8, 3=Mechanical, 4=Mechanical
Max Horz 5=189(LC 12)
Max Uplift 5=-69(LC 12), 3=-136(LC 12), 4=-13(LC 12)
Max Grav 5=281(LC 1), 3=134(LC 19), 4=89(LC 3)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 69 lb uplift at joint 5, 136 lb uplift at joint 3 and 13 lb uplift at joint 4.

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Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 31 TC
2435652	CJ05A	Jack-Open	2	1	T21009019 Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 13 06:53:29 2020 Page 1
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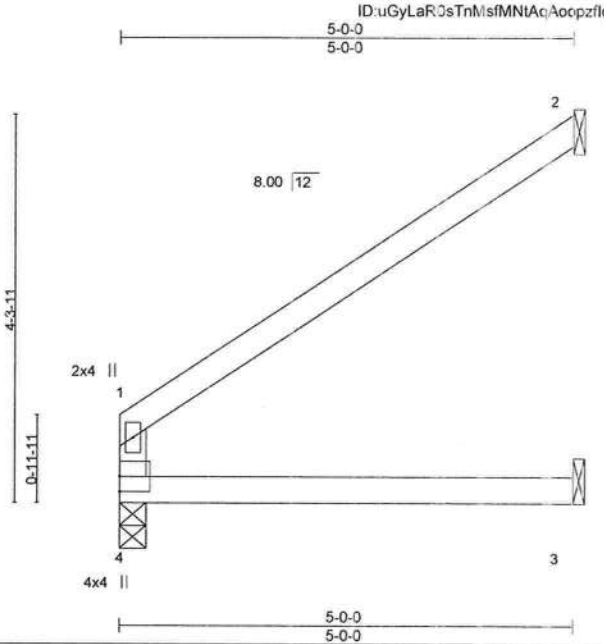

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.47	Vert(LL)	0.05	3-4	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.33	Vert(CT)	-0.06	3-4	>914	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.05	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MR							Weight: 17 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 5-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=0-3-8, 2=Mechanical, 3=Mechanical
Max Horz 4=143(LC 12)
Max Uplift 4=-7(LC 12), 2=-141(LC 12), 3=-16(LC 12)
Max Grav 4=177(LC 1), 2=142(LC 19), 3=91(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; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 7 lb uplift at joint 4, 141 lb uplift at joint 2 and 16 lb uplift at joint 3.

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August 13,2020

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Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 31 TC
2435652	CJ05B	Jack-Open	1	1	T21009020 Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 13 06:53:30 2020 Page 1
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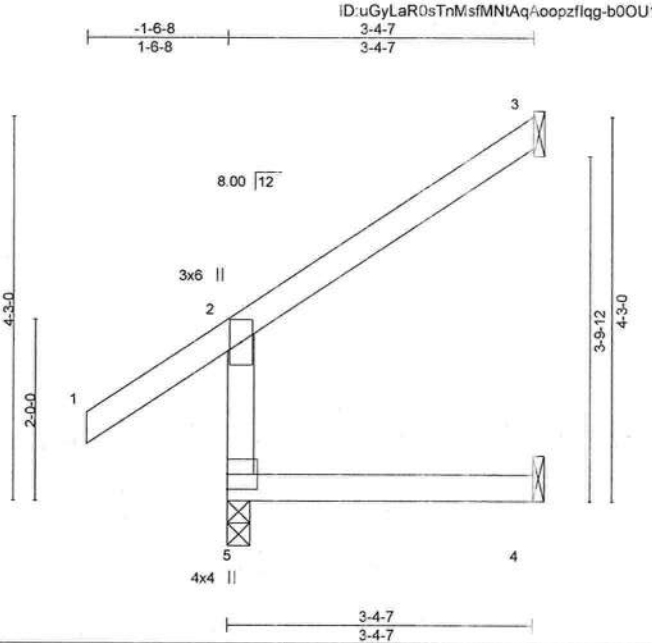

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.59	Vert(LL)	0.02	4-5	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.37	Vert(CT)	-0.02	4-5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.08	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MR							Weight: 16 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 3-4-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 5=0-3-0, 3=Mechanical, 4=Mechanical
Max Horz 5=127(LC 9)
Max Uplift 5=-24(LC 12), 3=-110(LC 12), 4=-31(LC 12)
Max Grav 5=232(LC 1), 3=91(LC 19), 4=59(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; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 24 lb uplift at joint 5, 110 lb uplift at joint 3 and 31 lb uplift at joint 4.

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August 13,2020

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Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 31 TC	T21009021
2435652	CJ06	Jack-Open	2	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 13 06:53:31 2020 Page 1
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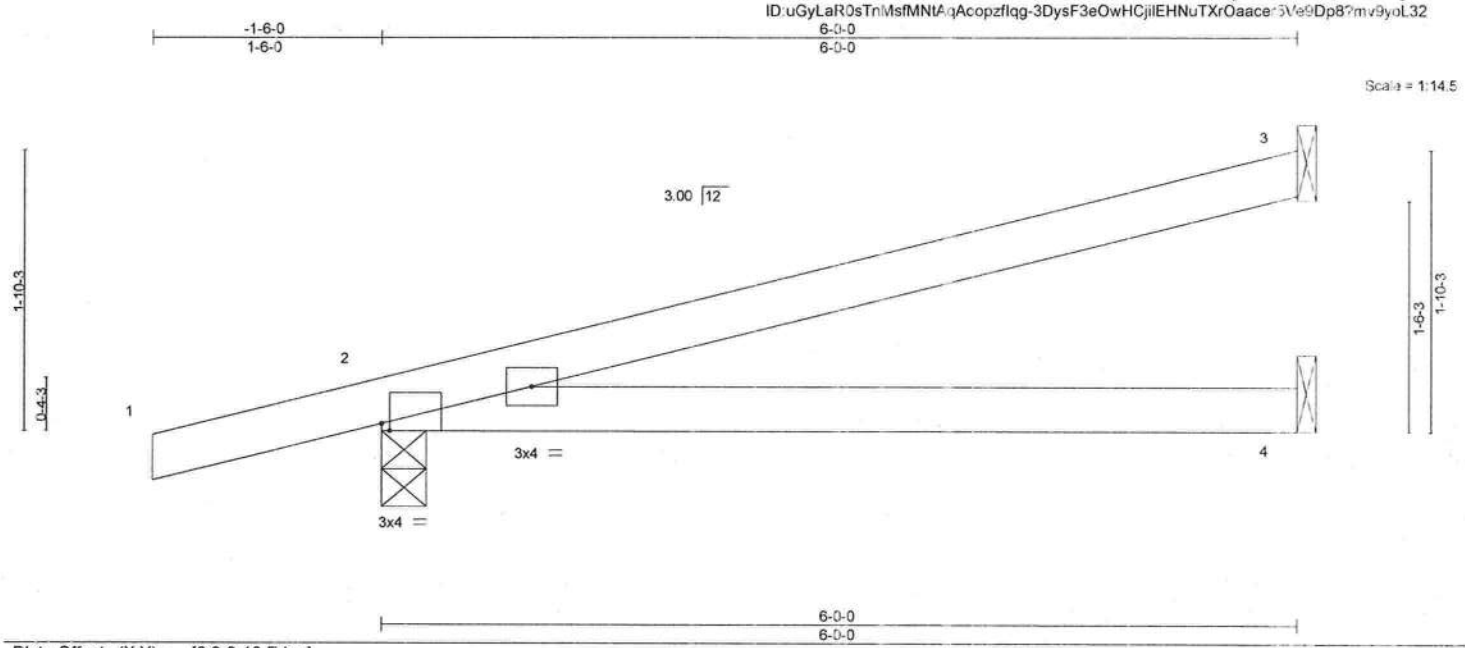

Plate Offsets (X,Y)-- [2:0-0-10,Edge]

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	0.51	Vert(LL)	0.17	4-7	>419	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.51	Vert(CT)	0.15	4-7	>487	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. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=97(LC 8)
Max Uplift 3=-109(LC 8), 2=-257(LC 8), 4=-60(LC 8)
Max Grav 3=136(LC 1), 2=311(LC 1), 4=104(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) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 109 lb uplift at joint 3, 257 lb uplift at joint 2 and 60 lb uplift at joint 4.

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August 13,2020

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Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 31 TC
2435652	EJ01	Jack-Partial	13	1	T2 1009022 Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 13 08:53:32 2020 Page 1
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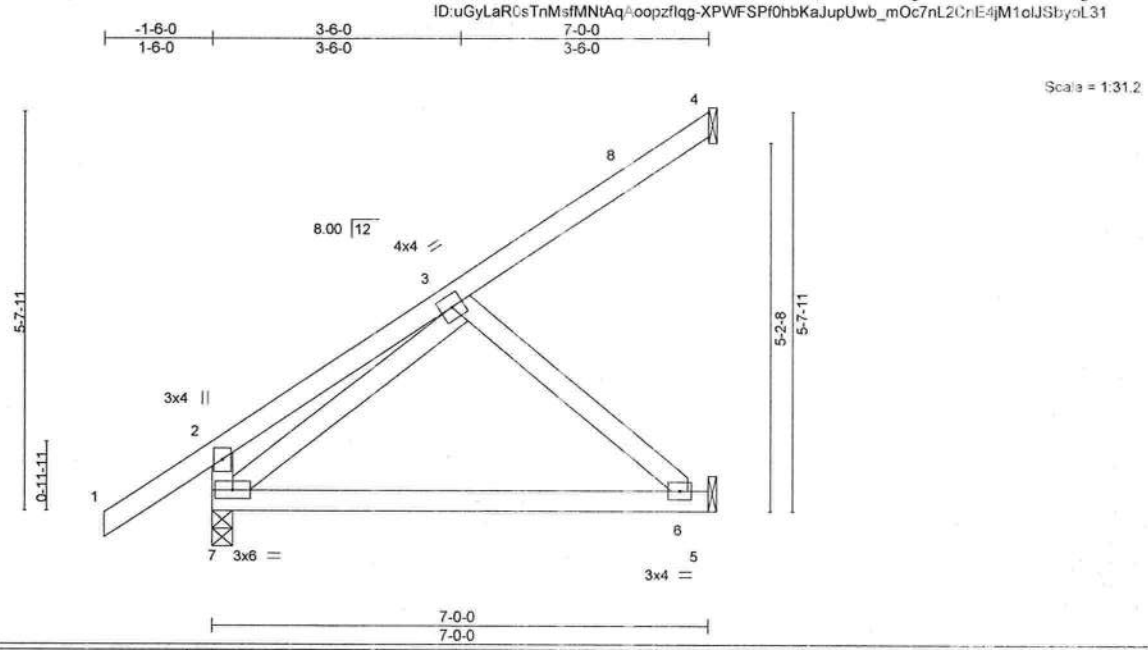

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.39	Vert(LL)	-0.09	6-7	>890	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.48	Vert(CT)	-0.19	6-7	>438	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.11	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		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

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

REACTIONS. (size) 4=Mechanical, 5=Mechanical, 7=0-3-8
Max Horz 7=244(LC 12)
Max Uplift 4=-72(LC 12), 5=-117(LC 12), 7=-85(LC 12)
Max Grav 4=93(LC 19), 5=187(LC 19), 7=351(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-7=-256/190
WEBS 3-6=-279/239

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; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 72 lb uplift at joint 4, 117 lb uplift at joint 5 and 85 lb uplift at joint 7.

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August 13,2020

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Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 31 TC	T21009023
2435652	EJ02	Jack-Partial	10	1	Jcb Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 13 06:53:32 2020 Page 1
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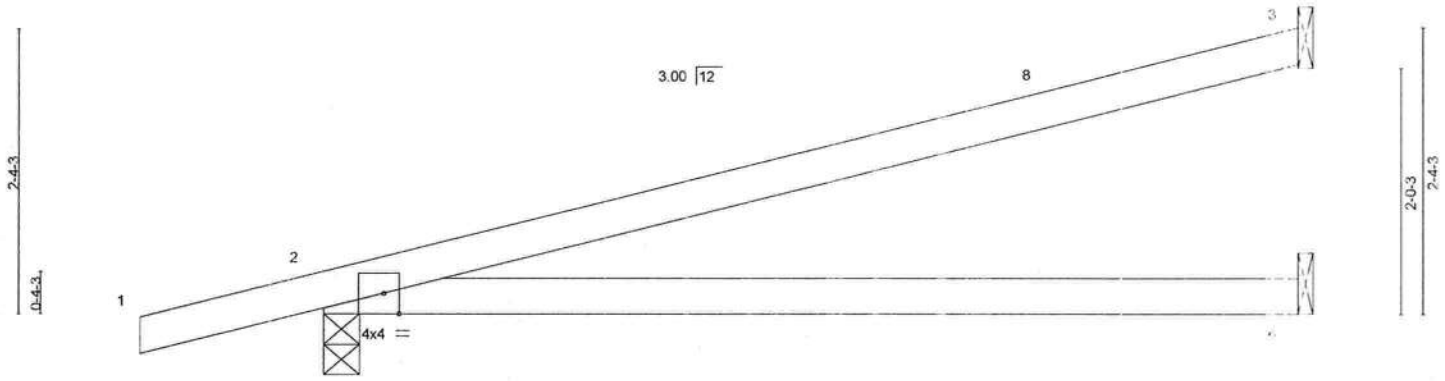

8-0-0
8-0-0

Plate Offsets (X,Y)-- [2:0-1-8,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	0.82	Vert(LL)	0.22	4-7	>441	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.65	Vert(CT)	-0.37	4-7	>257	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.01	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 27 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 3-1-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=121(LC 8)
Max Uplift 3=-135(LC 8), 2=-216(LC 8), 4=-6(LC 12)
Max Grav 3=187(LC 1), 2=382(LC 1), 4=141(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) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 135 lb uplift at joint 3, 216 lb uplift at joint 2 and 6 lb uplift at joint 4.

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August 13,2020

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Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 31 TC	T21009024
2435652	HJ08	Diagonal Hip Girder	1	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 13 06:53:33 2020 Page 1
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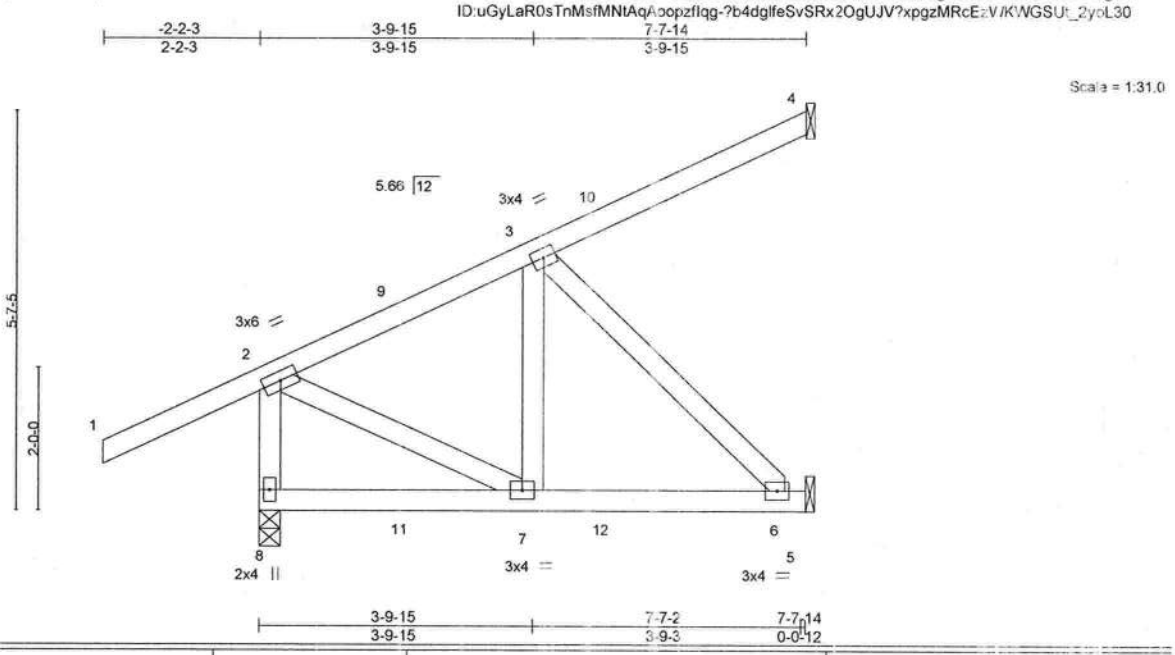

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.37	Vert(LL)	0.02	6-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.21	Vert(CT)	-0.02	6-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.15	Horz(CT)	-0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 47 lb	FT = 20%

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

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

REACTIONS. (size) 8=0-3-8, 4=Mechanical, 5=Mechanical
Max Horz 8=187(LC 8)
Max Uplift 8=-282(LC 8), 4=-100(LC 8), 5=-248(LC 8)
Max Grav 8=418(LC 1), 4=93(LC 19), 5=238(LC 32)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-8=-397/270, 2-3=-338/205
BOT CHORD 6-7=-273/220
WEBS 2-7=-162/318, 3-6=-310/384

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; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 282 lb uplift at joint 8, 100 lb uplift at joint 4 and 248 lb uplift at joint 5.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 102 lb down and 97 lb up at 2-0-5, 114 lb down and 77 lb up at 2-1-13, and 131 lb down and 110 lb up at 4-10-4, and 150 lb down and 144 lb up at 4-11-12 on top chord, and 46 lb down and 50 lb up at 2-0-5, 28 lb down and 17 lb up at 2-1-13, and 46 lb down and 39 lb up at 4-10-4, and 51 lb down and 28 lb up at 4-11-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-54, 2-4=-54, 5-8=-20
Concentrated Loads (lb)
Vert: 9=25(B) 10=-35(F) 11=7(F=2, B=6) 12=-23(F=-23, B=-1)

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Date:

August 13,2020

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Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 31 TC
2435652	HJ10	Diagonal Hip Girder	2	1	T2 1009025 Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 13 06:53:34 2020 Page 1
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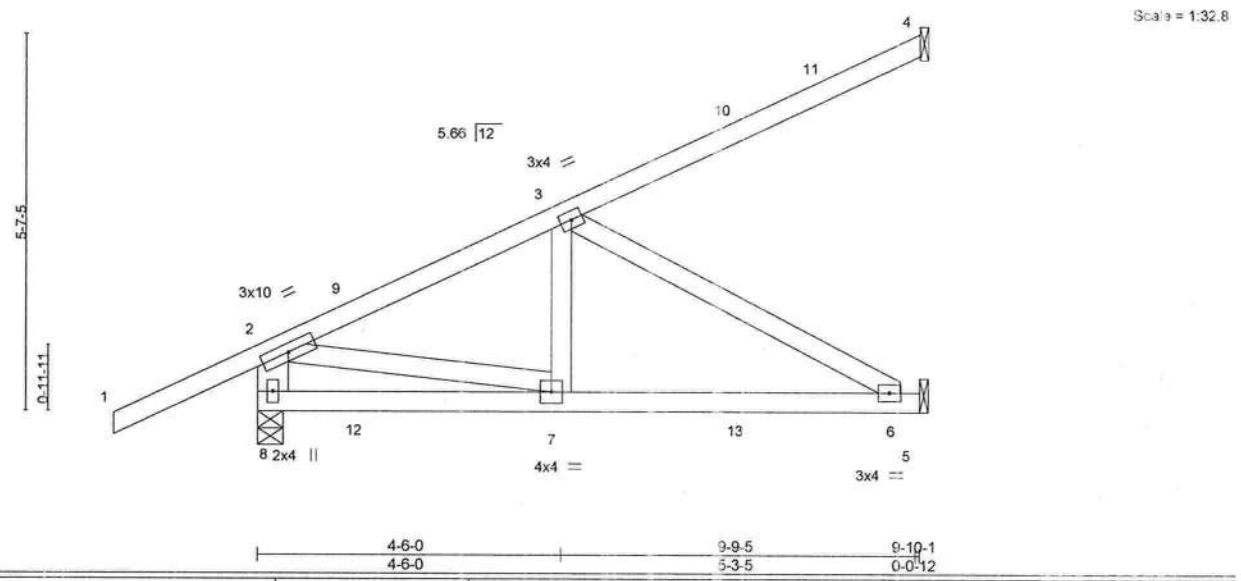

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.66	Vert(LL)	0.06	6-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.54	Vert(CT)	-0.10	6-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.35	Horz(CT)	-0.01	4	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		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 *Except*
2-8: 2x6 SP No.2

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

REACTIONS. (size) 8=0-4-9, 4=Mechanical, 5=Mechanical
Max Horz 8=243(LC 26)
Max Uplift 8=-357(LC 8), 4=-154(LC 8), 5=-244(LC 8)
Max Grav 8=501(LC 35), 4=149(LC 1), 5=319(LC 32)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-8=-477/345, 2-3=-644/354
BOT CHORD 7-8=-289/0, 6-7=-456/477
WEBS 2-7=-389/595, 3-6=-545/521

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; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 357 lb uplift at joint 8, 154 lb uplift at joint 4 and 244 lb uplift at joint 5.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 85 lb down and 119 lb up at 1-6-1, 85 lb down and 119 lb up at 1-6-1, 114 lb down and 77 lb up at 4-4-0, 114 lb down and 77 lb up at 4-4-0, and 149 lb down and 150 lb up at 7-1-15, and 149 lb down and 144 lb up at 7-1-15 on top chord, and 13 lb down and 45 lb up at 1-6-1, 13 lb down and 45 lb up at 1-6-1, 28 lb down and 17 lb up at 4-4-0, 28 lb down and 17 lb up at 4-4-0, and 51 lb down and 31 lb up at 7-1-15, and 51 lb down and 28 lb up at 7-1-15 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-54, 2-4=-54, 5-8=-20
Concentrated Loads (lb)
Vert: 7=3(F=2, B=2) 9=61(F=31, B=31) 10=-78(F=-43, B=-35) 13=-52(F=-30, B=-23)

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Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 31 TC
2435652	HJ10A	Diagonal Hip Girder	1	1	T21009026
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 13 06:53:35 2020 Page 1
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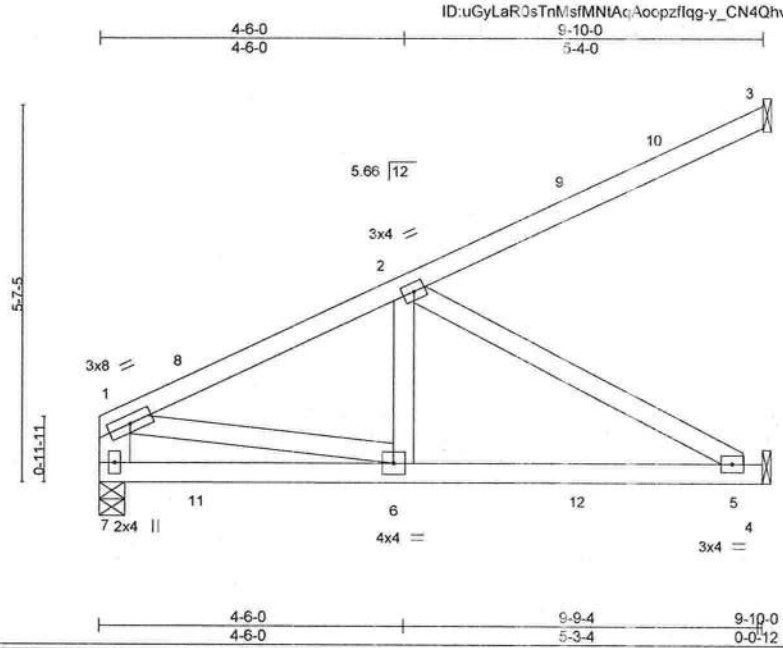

4-6-0 | 9-9-4 | 9-10-0
4-6-0 | 5-3-4 | 0-0-12

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.66	Vert(LL)	0.06	5-6	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.55	Vert(CT)	-0.11	5-6	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.38	Horz(CT)	-0.01	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 50 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
1-7: 2x6 SP No.2

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

REACTIONS. (size) 7=0-4-9, 3=Mechanical, 4=Mechanical
Max Horz 7=197(LC 8)
Max Uplift 7=-253(LC 8), 3=-153(LC 8), 4=-256(LC 8)
Max Grav 7=460(LC 34), 3=147(LC 1), 4=334(LC 32)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-7=-429/246, 1-2=-667/360
BOT CHORD 5-6=-478/505
WEBS 1-6=-338/537, 2-5=-578/547

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; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 253 lb uplift at joint 7, 153 lb uplift at joint 3 and 256 lb uplift at joint 4.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 87 lb down and 26 lb up at 1-6-0, 85 lb down and 116 lb up at 1-6-1, 114 lb down and 89 lb up at 4-3-15, 114 lb down and 77 lb up at 4-4-0, and 149 lb down and 150 lb up at 7-1-14, and 149 lb down and 144 lb up at 7-1-15 on top chord, and 12 lb down and 14 lb up at 1-6-0, 13 lb down and 45 lb up at 1-6-1, 29 lb down and 22 lb up at 4-3-15, 28 lb down and 17 lb up at 4-4-0, and 51 lb down and 31 lb up at 7-1-14, and 51 lb down and 28 lb up at 7-1-15 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 4-7=-20
Concentrated Loads (lb)
Vert: 6=-4(F=-5, B=2) 2=-0(F) 8=30(B) 9=-78(F=-43, B=-35) 11=-1(F) 12=-52(F=-30, B=-23)

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Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 31 TC	T21009027
2435652	HJ12	Diagonal Hip Girder	1	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 13 06:53:37 2020 Page 1
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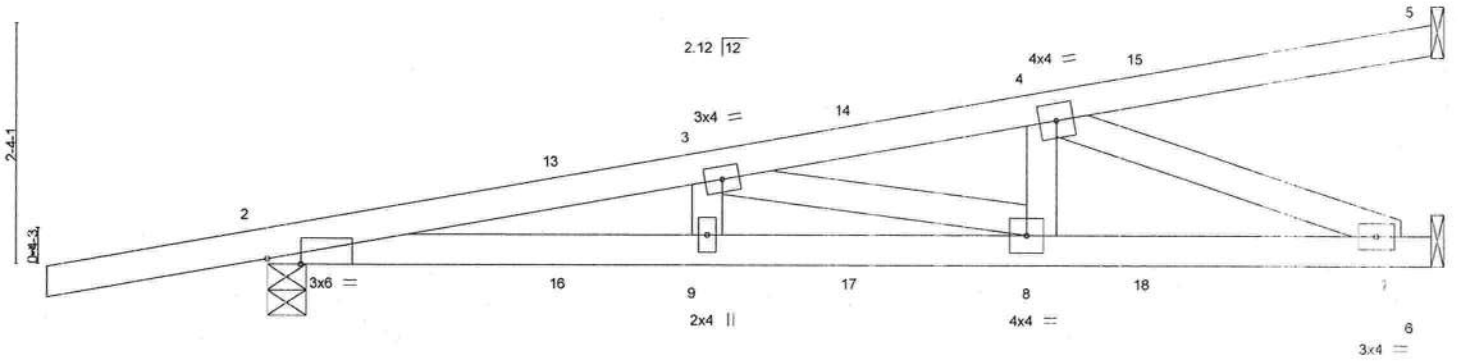

4-3-0 | 7-6-0 | 11-2-4 | 11-3-0
4-3-0 | 3-3-0 | 3-8-4 | 0-0-12

Plate Offsets (X,Y)-- [2:0-3-15,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	0.32	Vert(LL)	0.12	8-9	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.56	Vert(CT)	-0.12	8-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.40	Horz(CT)	-0.02	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 49 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-5-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-1-6 oc bracing.

REACTIONS. (size) 5=Mechanical, 2=0-4-9, 6=Mechanical
Max Horz 2=114(LC 4)
Max Uplift 5=-68(LC 10), 2=-520(LC 4), 6=-406(LC 4)
Max Grav 5=107(LC 1), 2=614(LC 1), 6=484(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1623/1267, 3-4=-1206/961
BOT CHORD 2-9=-1310/1587, 8-9=-1310/1587, 7-8=-988/1181
WEBS 3-8=-418/332, 4-8=-282/391, 4-7=-1271/1064

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) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 68 lb uplift at joint 5, 520 lb uplift at joint 2 and 406 lb uplift at joint 6.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 15 lb down and 21 lb up at 2-11-0, 15 lb down and 21 lb up at 2-11-0, 37 lb down and 73 lb up at 5-8-15, 37 lb down and 73 lb up at 5-8-15, and 60 lb down and 120 lb up at 8-6-14, and 60 lb down and 120 lb up at 8-6-14 on top chord, and 8 lb down and 19 lb up at 2-11-0, 8 lb down and 19 lb up at 2-11-0, 30 lb down and 52 lb up at 5-8-15, 30 lb down and 52 lb up at 5-8-15, and 51 lb down and 81 lb up at 8-6-14, and 51 lb down and 81 lb up at 8-6-14 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-54, 6-10=-20
Concentrated Loads (lb)
Vert: 14=-16(F=-8, B=-8) 15=-120(F=-60, B=-60) 16=-0(F=-0, B=-0) 17=-36(F=-18, B=-18) 18=-90(F=-45, B=-45)

JOAQUIN VELEZ LICENSE No 68182 STATE OF FLORIDA PROFESSIONAL ENGINEER

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Date:
August 13,2020

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Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 31 TC
2435652	PB01	Piggyback	6	1	T21009028
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 13 06:53:37 2020 Page 1
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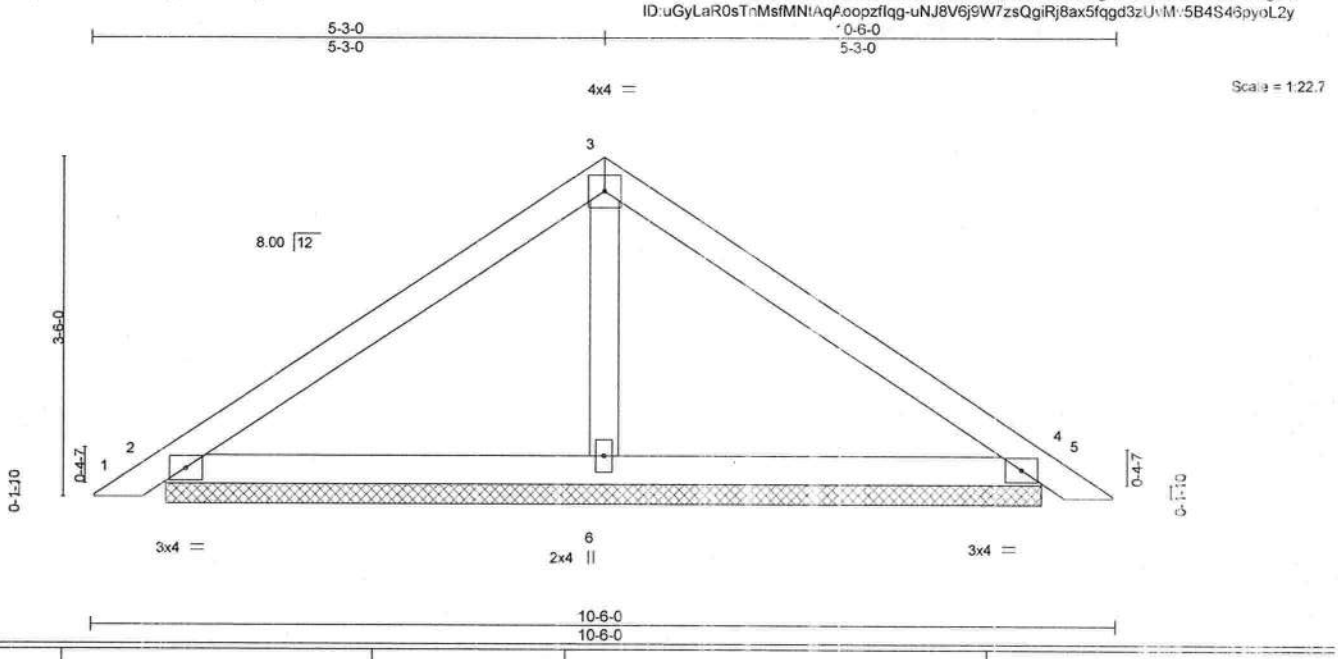

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.22	Vert(LL)	0.01	5	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.19	Vert(CT)	0.01	5	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 36 lb	FT = 20%

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

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

REACTIONS. (size) 2=8-11-12, 4=8-11-12, 6=8-11-12
Max Horz 2=-103(LC 10)
Max Uplift 2=-90(LC 12), 4=-104(LC 13), 6=-92(LC 12)
Max Grav 2=190(LC 1), 4=190(LC 20), 6=337(LC 1)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 90 lb uplift at joint 2, 104 lb uplift at joint 4 and 92 lb uplift at joint 6.
7) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 31 TC
2435652	PB02	Piggyback	2	1	T21009029
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 13 06:53:38 2020 Page 1
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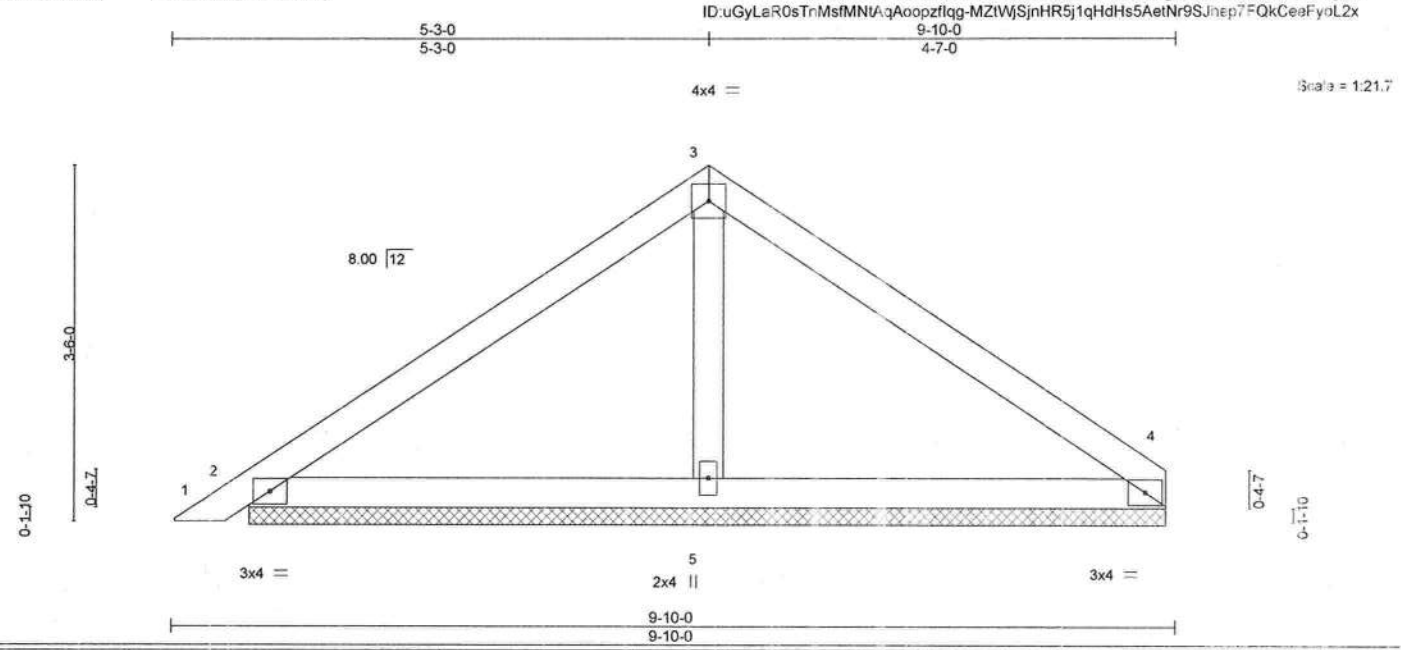

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.24	Vert(LL)	-0.00	1	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.20	Vert(CT)	0.00	1	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 35 lb	FT = 20%

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

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

REACTIONS. (size) 4=8-11-12, 2=8-11-12, 5=8-11-12
Max Horz 2=100(LC 9)
Max Uplift 4=-85(LC 13), 2=-89(LC 12), 5=-94(LC 12)
Max Grav 4=164(LC 20), 2=190(LC 1), 5=338(LC 1)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 85 lb uplift at joint 4, 89 lb uplift at joint 2 and 94 lb uplift at joint 5.
7) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 31 TC
2435652	PB03	Piggyback	1	1	21009030
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 13 06:53:39 2020 Page 1
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6-6-0
10-6-0
4-0-0

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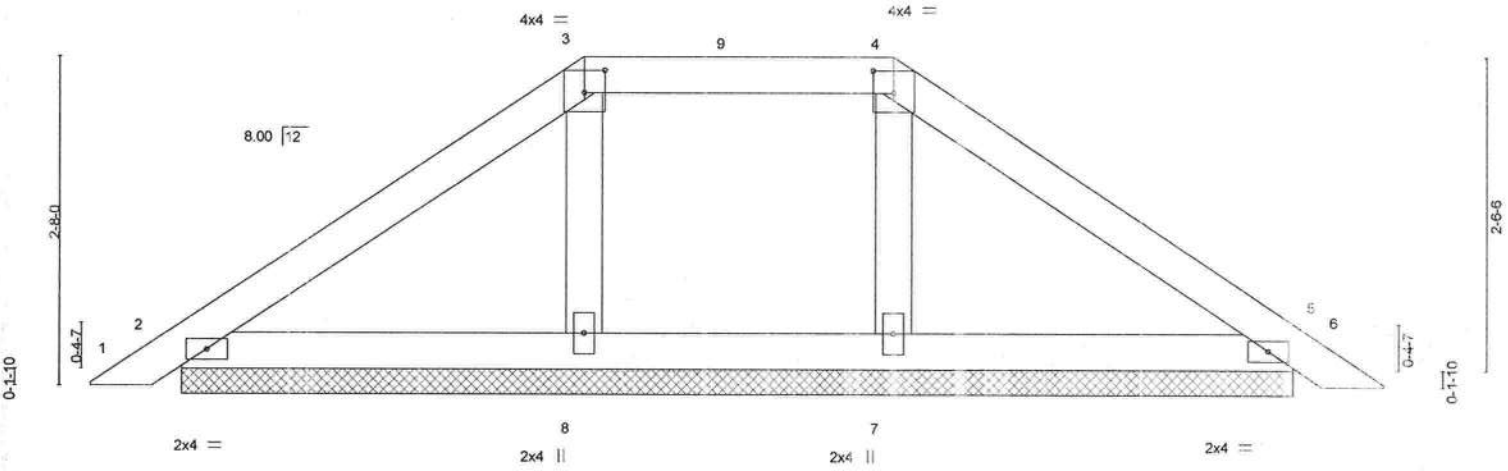

10-6-0
10-6-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.12	Vert(LL)	0.00	6	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.08	Vert(CT)	0.00	6	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 37 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 8-11-12.
(lb) - Max Horz 2=78(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 5, 7 except 8=-104(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 2, 5, 7, 8

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) Provide adequate drainage to prevent water ponding.
4) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 5, 7 except (jt=lb) 8=104.
8) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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Date:

August 13,2020

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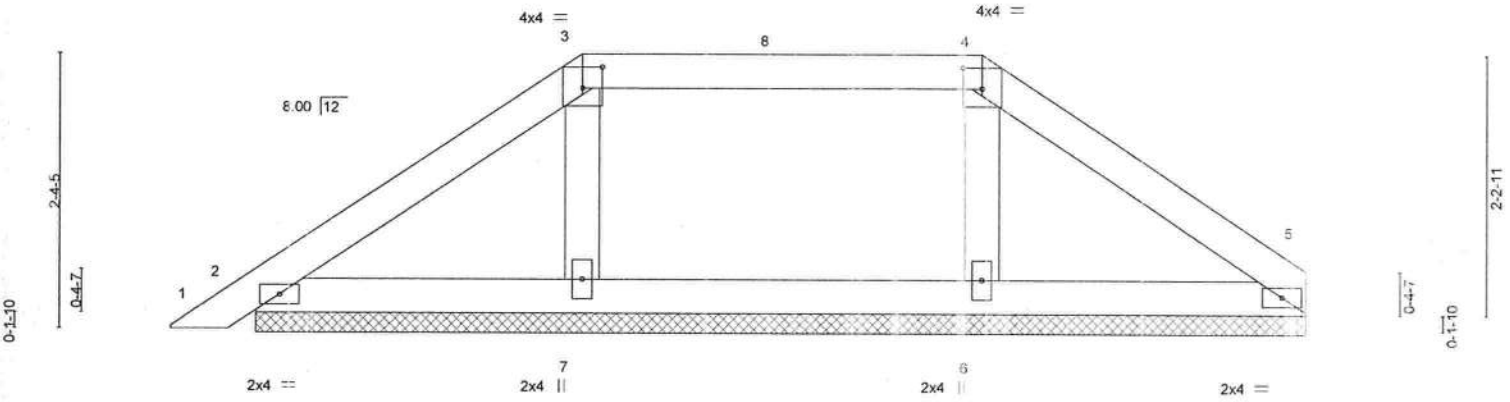
Jcb	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 31 TC	T21009031
2435652	PB04	Piggyback	1	1	Jcb Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 13 06:53:40 2020 Page 1
ID:uGyLaR0sTnMsfMNtAqAoopzfIqg-Iy?G88l1p2LRH7Q0OH7ejISDZG?76ikYt2hlj5yoL2v

6-11-8 9-10-0
6-11-8 2-10-8

Scale = 1:18.9



9-10-0
9-10-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.12	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	0.04	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 35 lb	FT = 20%

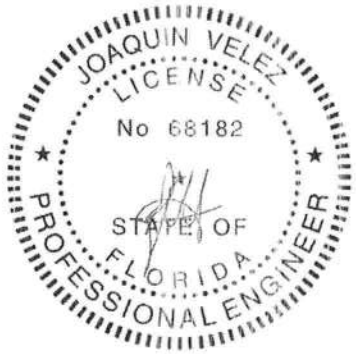
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3

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 8-11-12.
(lb) - Max Horz 2=65(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 5, 2, 6 except 7=-105(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 5, 2, 6, 7

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) Provide adequate drainage to prevent water ponding.
4) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 2, 6 except (jt=lb) 7=105.
8) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 31 TC
2435652	PB05	Piggyback	1	1	T21009032
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 13 06:53:41 2020 Page 1
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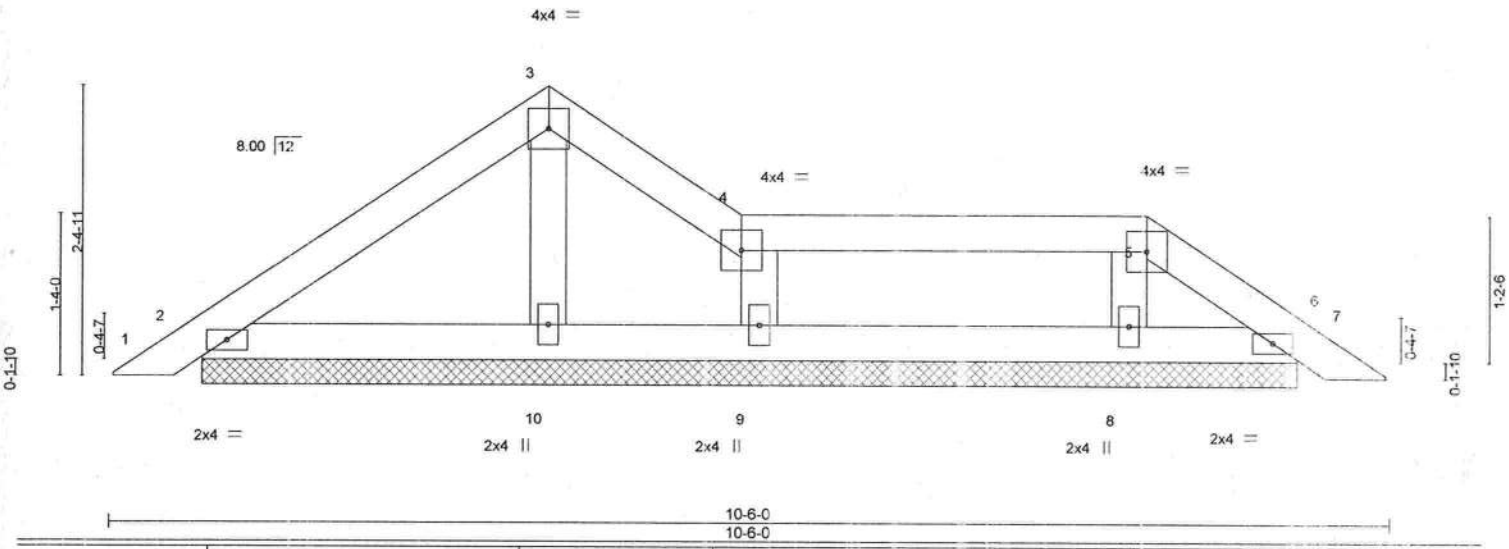
3-7-0 6-11-0

Scale = 1:18.2



10-6-0
10-6-0

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	0.11	Vert(LL)	-0.00	6	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.06	Vert(CT)	-0.00	6	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 36 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.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 8-9.

REACTIONS. All bearings 8-11-12.
(lb) - Max Horz 2=-69(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 6, 10, 8 except 9=-116(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 2, 6, 10, 9, 8

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) Provide adequate drainage to prevent water ponding.
4) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6, 10, 8 except (jt=lb) 9=116.
8) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 31 TC
2435652	PB06	PIGGYBACK	1	1	T2 I009033
					Job Reference (optional)

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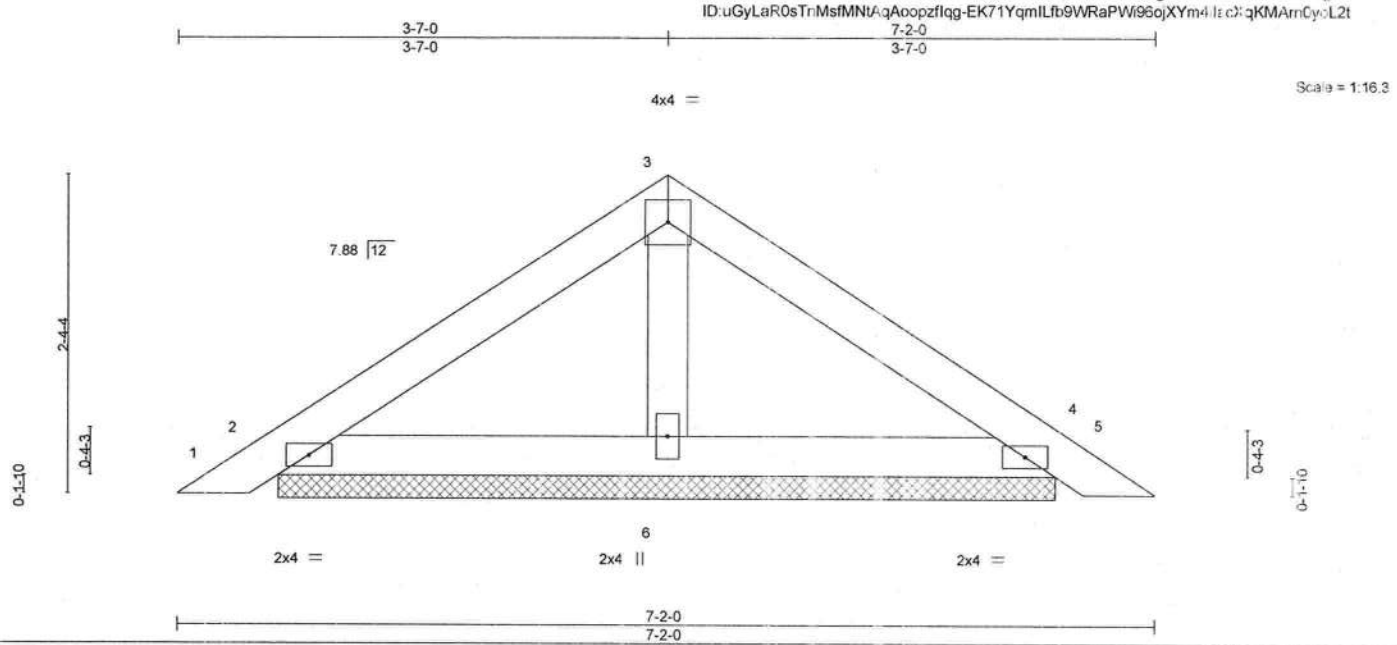

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.13	Vert(LL)	0.00	5	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.09	Vert(CT)	0.00	5	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-P							Weight: 24 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 10-0-0 oc bracing.

REACTIONS. (size) 2=5-8-5, 4=5-8-5, 6=5-8-5
Max Horz 2=-68(LC 10)
Max Uplift 2=-74(LC 12), 4=-83(LC 13), 6=-37(LC 12)
Max Grav 2=140(LC 1), 4=140(LC 1), 6=193(LC 1)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4, 6.
7) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 31 TC	T21009034
2435652	T01	Common	2	1	Job Reference (optional)	

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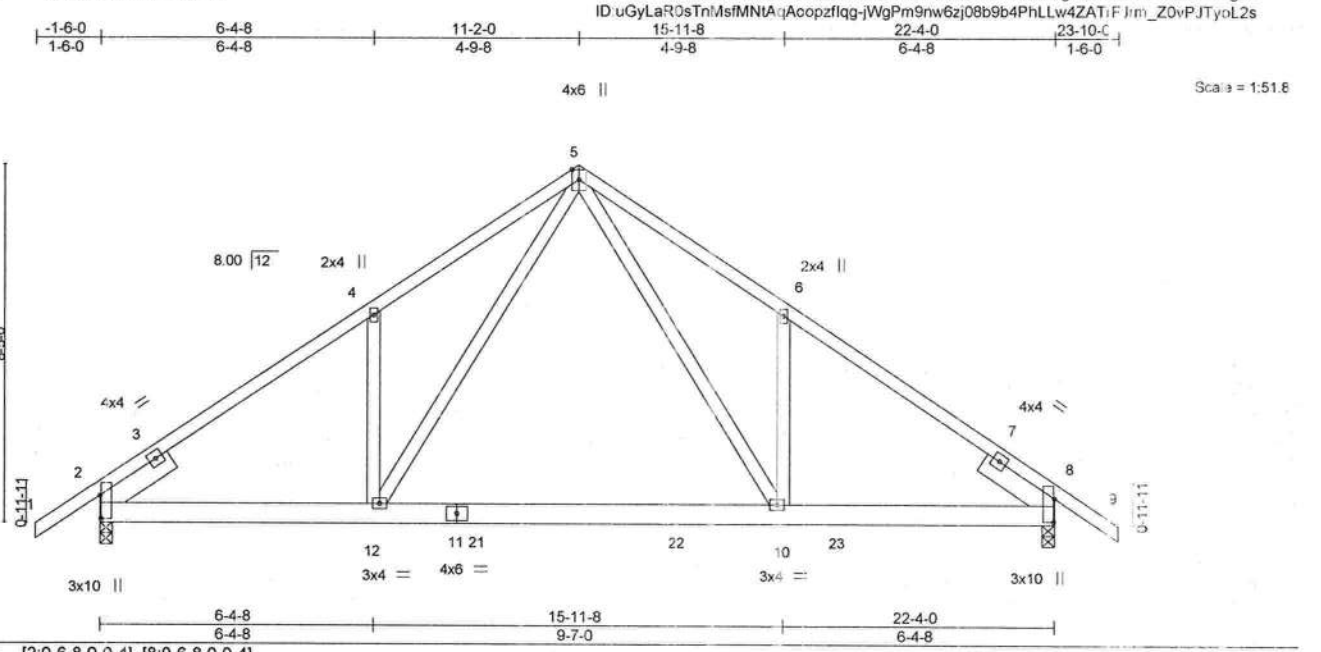

Plate Offsets (X,Y)-- [2:0-6-8,0-0-4], [8:0-6-8,0-0-4]

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	0.80	Vert(LL)	-0.22	10-12	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.94	Vert(CT)	-0.42	10-12	>643	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.92	Horz(CT)	0.04	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 147 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x6 SP No.2 1-11-8, Right 2x6 SP No.2 1-11-8

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-1-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-11-1 oc bracing.

REACTIONS. (size) 2=0-3-8, 8=0-3-8
Max Horz 2=-263(LC 10)
Max Uplift 2=-487(LC 12), 8=-504(LC 13)
Max Grav 2=1232(LC 19), 8=1272(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-1663/699, 4-5=-1717/888, 5-6=-1766/909, 6-8=-1716/721
BOT CHORD 2-12=-523/1473, 10-12=-254/966, 8-10=-434/1376
WEBS 5-10=-563/1075, 6-10=-324/329, 5-12=-525/989, 4-12=-324/330

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=487, 8=504.
6) 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: 1-5=-54, 5-9=-54, 12-13=-20, 12-23=-80(F=-60), 17-23=-20

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Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 31 TC
2435652	T01G	Common Supported Gable	1	1	T21009035 Jcb Reference (optional)

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ID:uGyLaR0sTnMsfMNtAqAoopzfIqg-BjEnzVoYtHrtIlknd6Cat8dvRtPb2U17cgfysvyoL2r

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1-6-0 | 11-2-0 | 11-2-0 | 1-6-0

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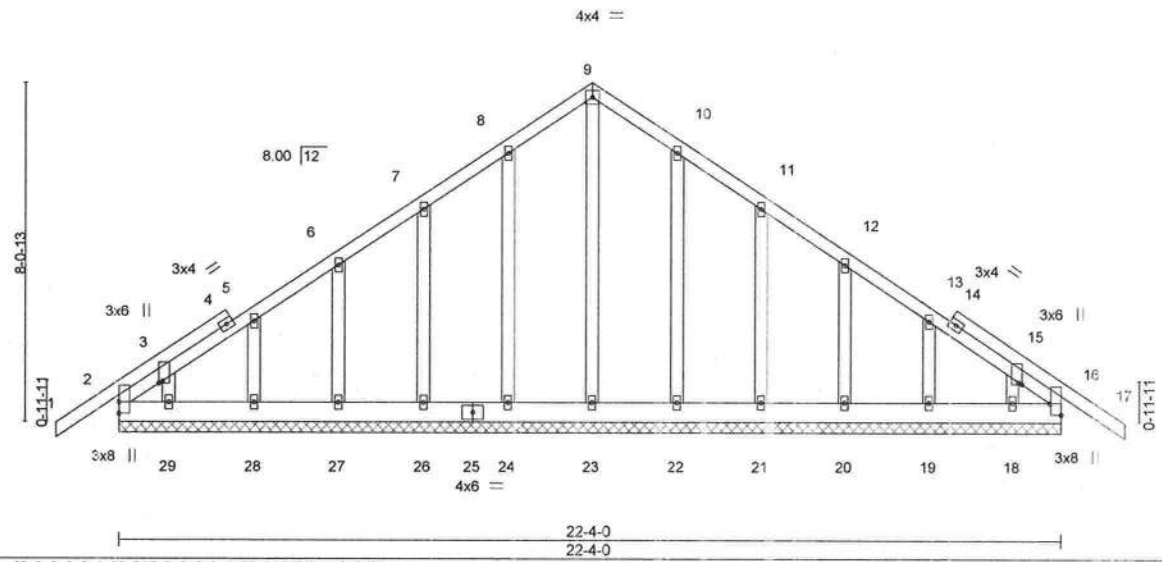

22-4-0
22-4-0

Plate Offsets (X,Y)-- [3:0-0-9,0-1-0], [15:0-0-9,0-1-0], [16:Edge,0-3-5]

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	0.12	Vert(LL)	-0.01	17	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.04	Vert(CT)	-0.01	17	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.15	Horz(CT)	0.00	16	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 168 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 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 22-4-0.
(lb) - Max Horz 2=-252(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 16 except 2=-104(LC 8), 24=-113(LC 12), 26=-113(LC 12), 27=-113(LC 12), 28=-103(LC 12), 29=-131(LC 12), 22=-111(LC 13), 21=-114(LC 13), 20=-113(LC 13), 19=-105(LC 13), 18=-117(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 2, 16, 23, 24, 26, 27, 28, 29, 22, 21, 20, 19, 18

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-273/189

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 16 except (jt=lb) 2=104, 24=113, 26=113, 27=113, 28=103, 29=131, 22=111, 21=114, 20=113, 19=105, 18=117.

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Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 31 TC	T21009036
2435652	T02	Common	3	1	Jcb Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 13 06:53:46 2020 Page 1

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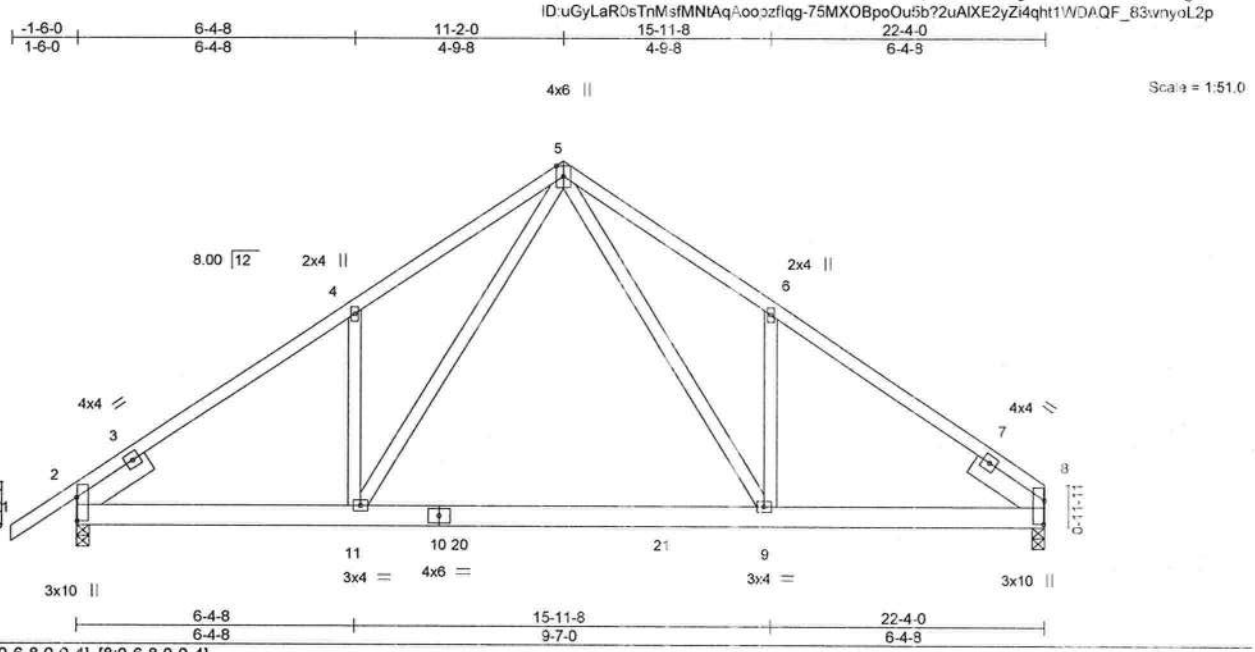

Plate Offsets (X,Y)-- [2:0-6-8,0-0-4], [8:0-6-8,0-0-4]

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	0.77	Vert(LL)	-0.21	9-11	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.93	Vert(CT)	-0.41	9-11	>651	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.88	Horz(CT)	0.04	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 144 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x6 SP No.2 1-11-8, Right 2x6 SP No.2 1-11-8

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-3-14 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-10-1 oc bracing.

REACTIONS. (size) 8=0-3-8, 2=0-3-8
Max Horz 2=252(LC 11)
Max Uplift 8=-426(LC 13), 2=-478(LC 12)
Max Grav 8=1131(LC 20), 2=1213(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-1633/690, 4-5=-1691/879, 5-6=-1688/885, 6-8=-1643/694
BOT CHORD 2-11=-533/1433, 9-11=-262/923, 8-9=-452/1297
WEBS 5-9=-536/1010, 6-9=-325/332, 5-11=-527/994, 4-11=-326/330

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=426, 2=478.
6) 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: 1-5=-54, 5-8=-54, 11-16=-20, 9-11=-80(F=-60), 9-12=-20

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6904 Parke East Blvd. Tampa FL 33610
Date:

August 13,2020

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Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 31 TC	T21009037
2435652	T03	Roof Special	1	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 13 06:53:47 2020 Page 1
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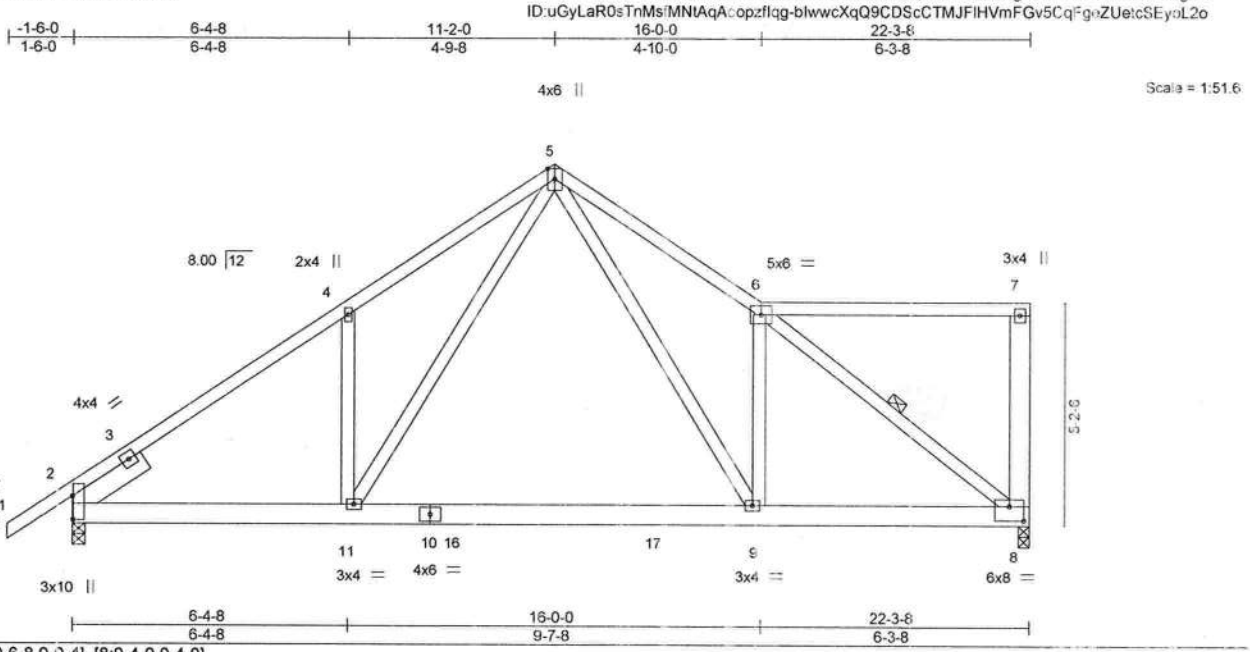

Plate Offsets (X,Y)-- [2:0-6-8,0-0-4], [8:0-4-0,0-4-0]

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	0.75	Vert(LL)	-0.20	9-11	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.90	Vert(CT)	-0.38	9-11	>701	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.86	Horz(CT)	0.02	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 159 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3 *Except*
7-8: 2x6 SP No.2
SLIDER Left 2x6 SP No.2 1-11-8

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-5-2 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-0-13 oc bracing.
WEBS 1 Row at midpt 6-8

REACTIONS. (size) 8=0-3-0, 2=0-3-8
Max Horz 2=316(LC 12)
Max Uplift 8=-448(LC 13), 2=-459(LC 12)
Max Grav 8=1105(LC 1), 2=1205(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-1613/676, 4-5=-1648/864, 5-6=-1539/778
BOT CHORD 2-11=-632/1375, 9-11=-383/873, 8-9=-568/1254
WEBS 4-11=-328/331, 5-11=-528/978, 5-9=-380/811, 6-8=-1595/708

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=448, 2=459.
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: 1-5=-54, 5-6=-54, 6-7=-54, 11-12=-20, 9-11=-80(F=-60), 8-9=-20

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Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 31 TC
2435652	T04	Roof Special	1	1	T2 I009038
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 13 06:53:48 2020 Page 1
ID:uGyLaR0sTnMsfMNtAqAoopzfIqg-3UUIptr2wVLIEM1YsyGW2_nQFUYmz75jjfdA?gyoL2n

-1-6-0 | 6-4-8 | 11-2-0 | 14-0-0 | 15-11-8 | 22-3-8
1-6-0 | 6-4-8 | 4-9-8 | 2-10-0 | 1-11-8 | 6-4-0

Scale = 1:51.6

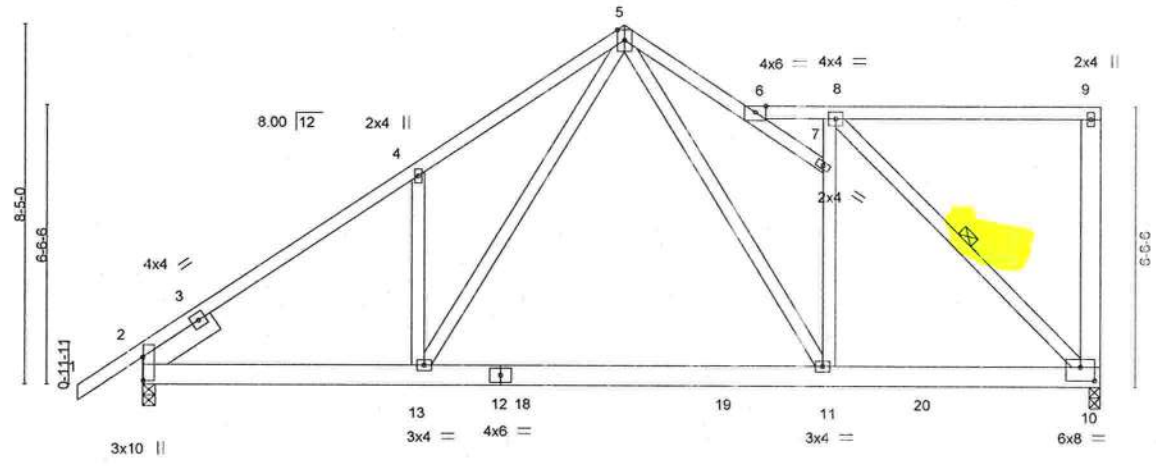

Plate Offsets (X,Y)-- [2:0-6-8,0-0-4], [10:0-4-0,0-3-12]

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	0.78	Vert(LL)	-0.22	11-13	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.92	Vert(CT)	-0.43	11-13	>617	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.85	Horz(CT)	0.02	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 168 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2 *Except* 5-7: 2x4 SP M 31
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3 *Except* 9-10: 2x6 SP No.2
SLIDER Left 2x6 SP No.2 1-11-8

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-3-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-9-0 oc bracing.
WEBS 1 Row at midpt 8-10

REACTIONS. (size) 10=0-3-0, 2=0-3-8
Max Horz 2=352(LC 12)
Max Uplift 10=-464(LC 13), 2=-450(LC 12)
Max Grav 10=1107(LC 19), 2=1224(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-1642/657, 4-5=-1655/838, 5-6=-1174/578, 6-7=-289/149, 6-8=-927/416
BOT CHORD 2-13=-676/1381, 11-13=-430/897, 10-11=-483/1051
WEBS 4-13=-302/319, 5-13=-520/942, 5-11=-191/487, 7-11=-78/366, 7-8=-185/648, 8-10=-1494/677

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 10=464, 2=450.
7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
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: 1-5=-54, 5-6=-54 6-9=-54, 13-14=-20, 11-13=-80(F=-60), 10-11=-20

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August 13,2020

Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 31 TC	T21009039
2435652	T05	Roof Special	1	1	Jcb Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 13 06:53:48 2020 Page 1

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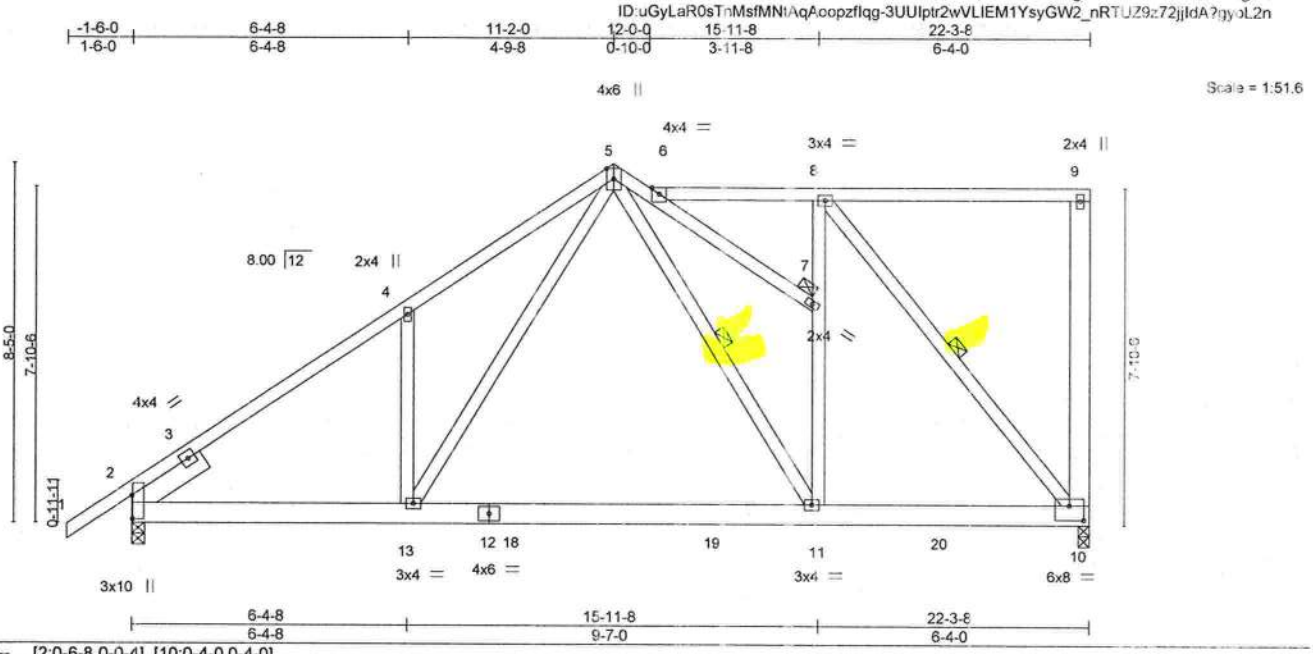

Plate Offsets (X,Y)-- [2:0-6-8,0-0-4], [10:0-4-0,0-4-0]

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	0.76	Vert(LL)	-0.19	11-13	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.89	Vert(CT)	-0.37	11-13	>716	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.85	Horz(CT)	0.02	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 177 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x6 SP No.2
WEBS	2x4 SP No.3 *Except*
	9-10: 2x6 SP No.2
SLIDER	Left 2x6 SP No.2 1-11-8

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 3-4-9 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 8-6-8 oc bracing.
WEBS	1 Row at midpt 5-11, 8-10
JOINTS	1 Brace at Jt(s): 7

REACTIONS. (size) 10=0-3-0, 2=0-3-8
Max Horz 2=389(LC 12)
Max Uplift 10=-484(LC 13), 2=-439(LC 12)
Max Grav 10=1120(LC 19), 2=1231(LC 19)

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

TOP CHORD	2-4=-1648/630, 4-5=-1666/814, 5-6=-747/347, 6-8=-853/408
BOT CHORD	2-13=-716/1374, 11-13=-469/894, 10-11=-413/863
WEBS	4-13=-316/323, 5-13=-522/934, 7-11=-240/756, 7-8=-257/806, 8-10=-1361/643

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 10=484, 2=439.
7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
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: 1-5=-54, 5-6=-54, 6-9=-54, 13-14=-20, 11-13=-80(F=-60), 10-11=-20

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August 13,2020

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Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 31 TC	T21009040
2435652	T06	Half Hip	1	1	Jcb Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8 240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 13 06:53:49 2020 Page 1
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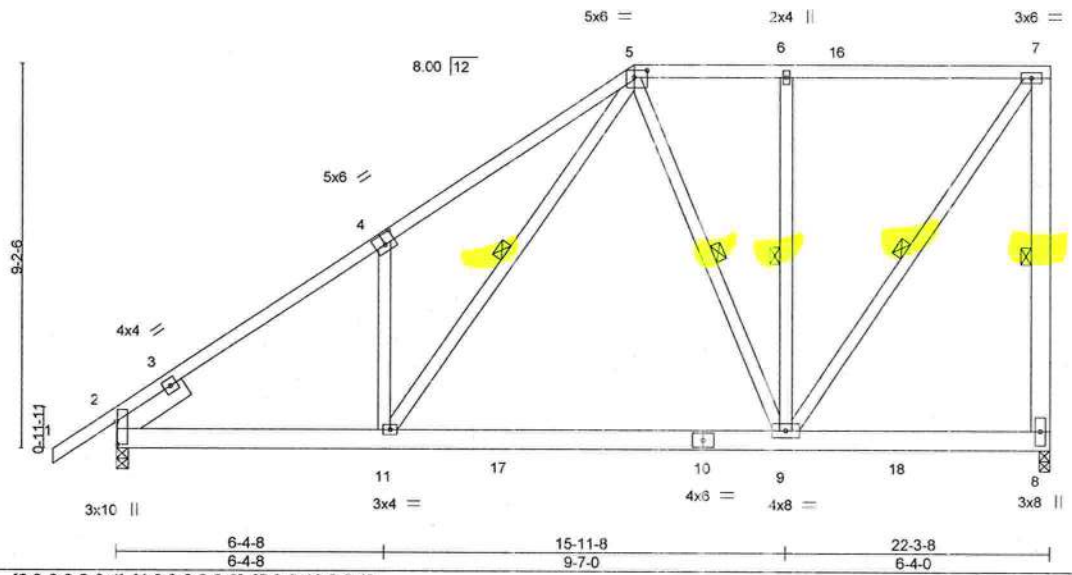

Scale = 1:52.8

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

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	0.69	Vert(LL)	-0.19	9-11	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.88	Vert(CT)	-0.36	9-11	>730	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.45	Horz(CT)	-0.02	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 179 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3 *Except*
7-8: 2x6 SP No.2
SLIDER Left 2x6 SP No.2 1-11-8

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-7-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 3-3-10 oc bracing.
WEBS 1 Row at midpt 7-8, 5-11, 5-9, 6-9, 7-9

REACTIONS. (size) 8=0-3-0, 2=0-3-8
Max Horz 2=443(LC 12)
Max Uplift 8=-506(LC 12), 2=-464(LC 12)
Max Grav 8=1126(LC 2), 2=1198(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-1598/597, 4-5=-1665/824, 5-6=-679/363, 6-7=-679/363, 7-8=-1124/633
BOT CHORD 2-11=-767/1348, 9-11=-438/754
WEBS 4-11=-404/381, 5-11=-591/1053, 5-9=-260/243, 6-9=-308/243, 7-9=-626/1179

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=506, 2=464.
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: 1-5=-54, 5-7=-54, 11-12=-20, 9-11=-80(F=-60), 8-9=-20

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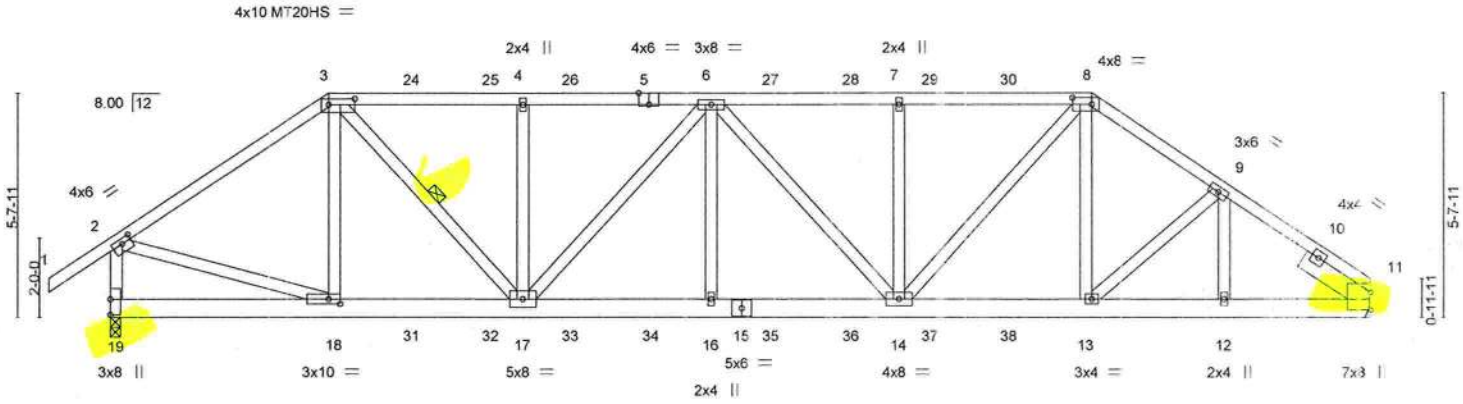
Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 31 TC	T21009041
2435652	T07	Hip Girder	1	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 13 06:53:51 2020 Page 1
ID:uGyLaR0sTnMsfMNtAqAopzfIqg-U39QRvtxDQkt5pm7Y5qDfcPwajvASX9PGrqc?ybL2k

-1-6-8	5-5-8	10-3-14	15-0-8	19-9-2	24-7-8	27-11-12	31-7-8
1-6-8	5-5-8	4-10-6	4-8-10	4-8-10	4-10-6	3-4-4	3-7-12

Scale = 1:55.6



5-5-8	10-3-14	15-0-8	19-9-2	24-7-8	27-11-12	31-7-8
5-5-8	4-10-6	4-8-10	4-8-10	4-10-6	3-4-4	3-7-12

Plate Offsets (X,Y)-- [2:0-3-0,0-1-8], [3:0-7-12,0-1-12], [5:0-3-0,Edge], [8:0-5-12,0-2-0], [18:0-3-8,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.77	Vert(LL)	0.26	14-16	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.38	Vert(CT)	-0.29	14-16	>999	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	NO	WB	1.00	Horz(CT)	0.05	11	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 228 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP M 26
WEBS 2x4 SP No.3
SLIDER Right 2x6 SP No.2 1-11-8

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-7-2 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-11-13 oc bracing.
WEBS 1 Row at midpt 3-17

REACTIONS. (size) 11=Mechanical, 19=0-3-0
Max Horz 19=-196(LC 6)
Max Uplift 11=-1535(LC 9), 19=-1702(LC 8)
Max Grav 11=2247(LC 1), 19=2414(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2706/1972, 3-4=-3382/2515, 4-6=-3382/2515, 6-7=-3631/2686, 7-8=-3631/2686, 8-9=-3261/2386, 9-11=-3014/2122, 2-19=-2360/1710
BOT CHORD 17-18=-1648/2222, 16-17=-2785/3878, 14-16=-2785/3878, 13-14=-1833/2702, 12-13=-1648/2424, 11-12=-1648/2424
WEBS 3-17=-1314/1815, 4-17=-345/296, 6-17=-767/558, 6-16=-328/548, 6-14=-426/343, 7-14=-337/285, 8-14=-1064/1410, 8-13=-414/598, 9-13=-515/530, 9-12=-417/356, 2-18=-1629/2201

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; end vertical left exposed; 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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 11=1535, 19=1702.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 98 lb down and 74 lb up at 5-5-8, 98 lb down and 71 lb up at 7-6-4, 98 lb down and 71 lb up at 9-6-4, 98 lb down and 71 lb up at 11-6-4, 98 lb down and 71 lb up at 13-6-4, 98 lb down and 60 lb up at 15-0-8, 98 lb down and 71 lb up at 16-6-12, 98 lb down and 71 lb up at 18-6-12, 98 lb down and 71 lb up at 20-6-12, and 98 lb down and 71 lb up at 22-6-12, and 98 lb down and 74 lb up at 24-7-8 on top chord, and 375 lb down and 413 lb up at 5-5-8, 157 lb down and 137 lb up at 7-6-4, 157 lb down and 137 lb up at 9-6-4, 157 lb down and 137 lb up at 11-6-4, 157 lb down and 137 lb up at 13-6-4, 157 lb down and 137 lb up at 15-0-8, 157 lb down and 137 lb up at 16-6-12, 157 lb down and 137 lb up at 18-6-12, 157 lb down and 137 lb up at 20-6-12, and 157 lb down and 137 lb up at 22-6-12, and 435 lb down and 409 lb up at 24-6-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

Continued on page 2

LOAD CASE(S) Standard

Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date: August 13,2020

MiTek
6904 Parke East Blvd.
Tampa, FL 33610

LOAD CASE(S) Standard

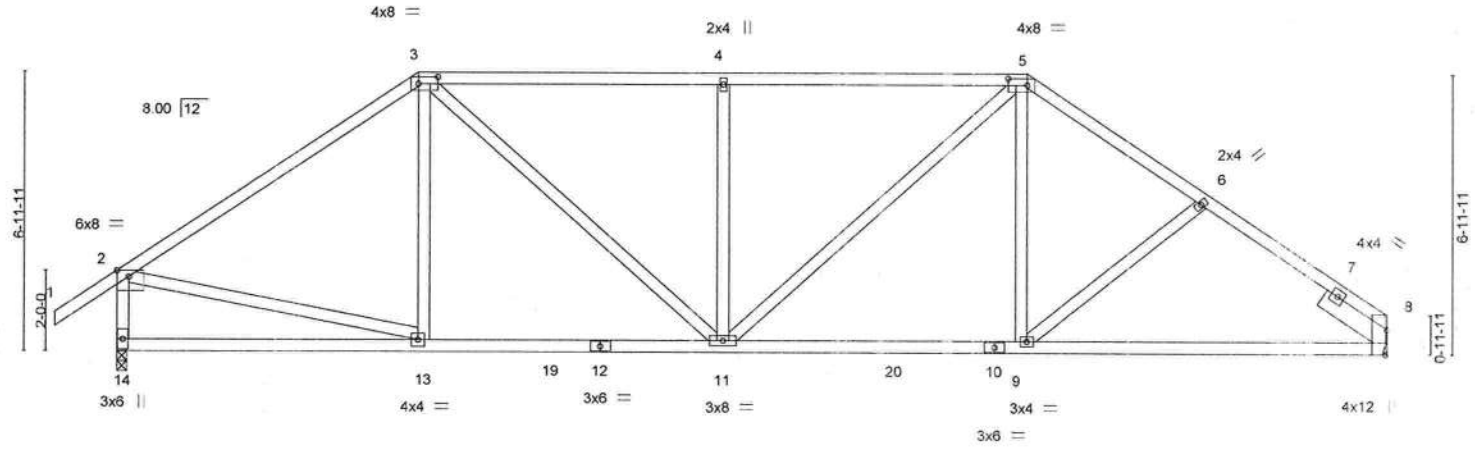
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-2=-54, 2-3=-54, 3-8=-54, 8-11=-54, 19-20=-20
   Concentrated Loads (lb)
   Vert: 3=-26(F) 5=-26(F) 8=-26(F) 18=-304(F) 6=-26(F) 16=-141(F) 13=-385(F) 24=-26(F) 25=-26(F) 26=-26(F) 27=-26(F) 28=-26(F) 29=-26(F) 30=-26(F) 31=-141(F) 32=-141(F) 33=-141(F) 34=-141(F) 35=-141(F) 36=-141(F) 37=-141(F) 38=-141(F)

Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 31 TC	T21009042
2435652	T08	Hip	1	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 13 06:53:53 2020 Page 1
ID:uGyLaR0sTnMsfMNtAqAcopzfIqg-QSHBsavBl2_bK7wWfVshl1VEkVH7eBKSsZKxgtycL2i

-1-6-8 | 7-5-3 | 15-0-8 | 22-7-8 | 26-11-12 | 31-7-8
1-6-8 | 7-5-3 | 7-7-0 | 7-7-0 | 4-4-4 | 4-7-12

Scale = 1:55.2



7-5-3 | 15-0-8 | 22-7-8 | 31-7-8
7-5-3 | 7-7-0 | 7-7-0 | 9-0-0

Plate Offsets (X,Y)-- [2:0-3-8,Edge], [3:0-5-12,0-2-0], [5:0-5-12,0-2-0], [8:0-7-8,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	0.92	Vert(LL)	-0.13	9-11	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.78	Vert(CT)	-0.22	9-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.66	Horz(CT)	0.07	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 185 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Right 2x6 SP No.2 1-11-8

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-2-15 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 3-0-12 oc bracing.

REACTIONS. (size) 8=Mechanical, 14=0-3-0
Max Horz 14=-240(LC 10)
Max Uplift 8=-451(LC 13), 14=-491(LC 12)
Max Grav 8=1162(LC 1), 14=1258(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1331/637, 3-4=-1422/820, 4-5=-1422/820, 5-6=-1413/730, 6-8=-1549/758, 2-14=-1189/652
BOT CHORD 13-14=-255/321, 11-13=-413/1006, 9-11=-395/1147, 8-9=-522/1207
WEBS 3-11=-349/617, 4-11=-473/361, 5-11=-305/448, 5-9=-64/334, 2-13=-358/909

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=451, 14=491.

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

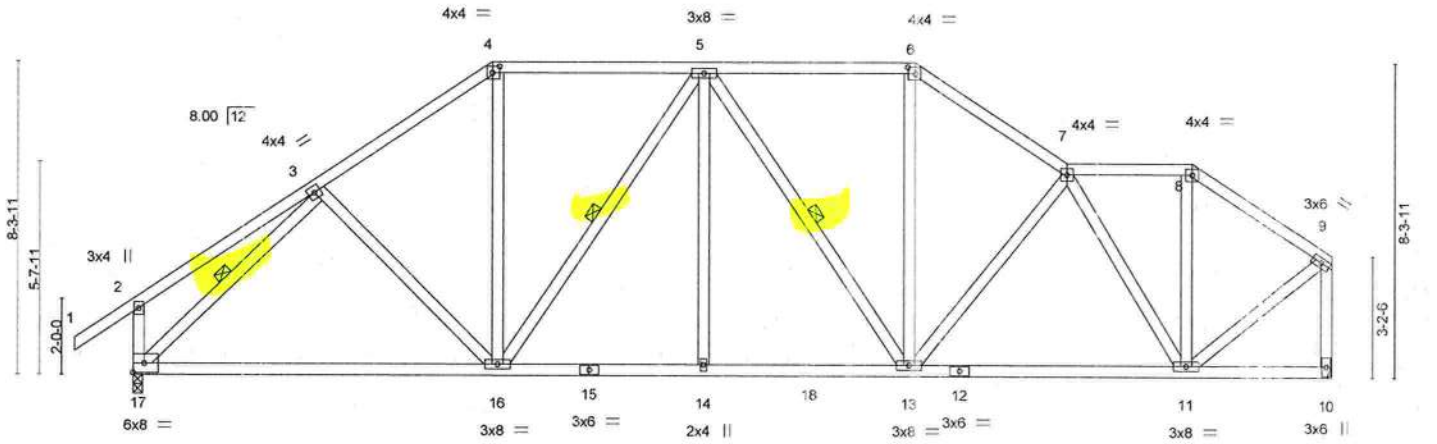
August 13,2020

Jcb	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 31 TC	T21009043
2435652	T09	Roof Special	1	1	Jcb Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 13 06:53:54 2020 Page 1
ID:uGyLaR0sTnMsfMNtAqAcopzfIqg-uerZ4wwpWL6SyHViDDNwHF1VUvd5Nvyb5D4UCKy-L2h

-1-6-8	4-10-8	9-5-8	15-0-8	20-7-8	24-7-8	27-11-8	31-7-8
1-6-8	4-10-8	4-7-0	5-7-0	5-7-0	4-0-0	3-4-0	3-8-0

Scale = 1:58.5



9-5-8	15-0-8	20-7-8	27-11-8	31-7-8
9-5-8	5-7-0	5-7-0	7-4-0	3-8-0

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

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	0.54	Vert(LL)	-0.21	16-17	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.79	Vert(CT)	-0.43	16-17	>365	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.63	Horz(CT)	0.05	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 223 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-11-10 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-2-3 oc bracing.
WEBS 1 Row at midpt 5-16, 5-13, 3-17

REACTIONS. (size) 17=0-3-0, 10=Mechanical
Max Horz 17=259(LC 9)
Max Uplift 17=-408(LC 12), 10=-381(LC 13)
Max Grav 17=1253(LC 1), 10=1157(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-1236/664, 4-5=-971/613, 5-6=-1045/643, 6-7=-1301/701, 7-8=-717/410, 8-9=-906/432, 2-17=-321/263, 9-10=-1135/534
BOT CHORD 16-17=-474/920, 14-16=-476/1154, 13-14=-476/1154, 11-13=-524/1152
WEBS 4-16=-182/427, 5-16=-411/256, 5-14=0/269, 5-13=-312/200, 6-13=-202/470, 7-11=-849/436, 3-11=-99/306, 3-17=-1240/527, 9-11=-370/899

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 17=408, 10=381.

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Date:

August 13,2020

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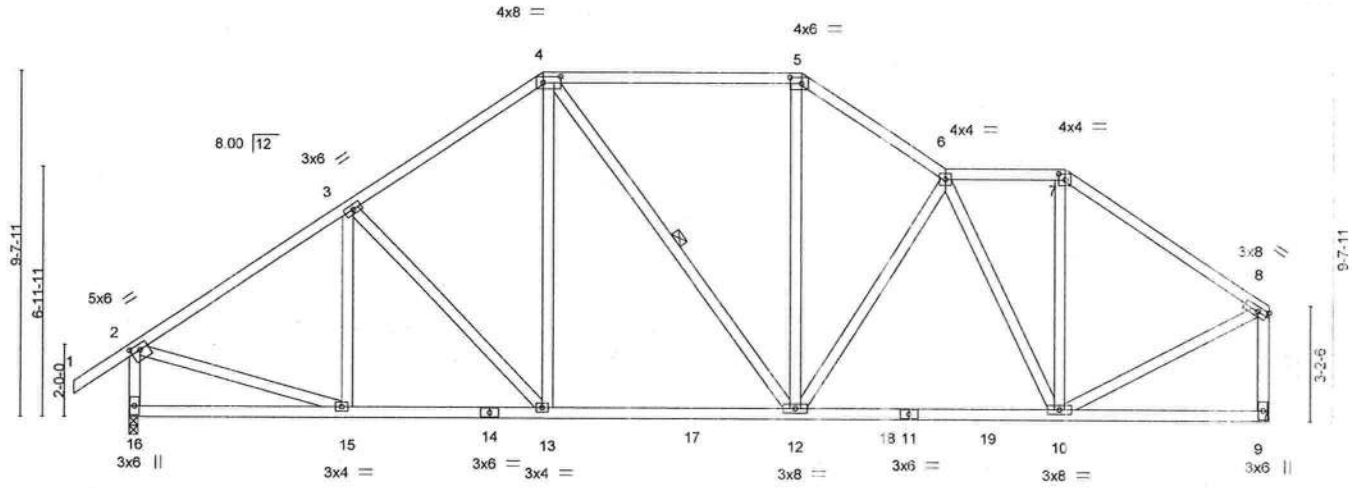
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 31 TC
2435652	T10	Roof Special	1	1	T2 1009044
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 13 06:53:55 2020 Page 1
ID:uGyLaR0sTnMsfMNtAqAcopzfIqg-MqPxHGwRHfEJaR4vnwu9qSadOJ0j6LplKtp1lmyoL2g

-1-6-8	6-0-10	11-5-8	18-7-8	22-7-8	25-11-8	31-7-8
1-6-8	6-0-10	5-4-14	7-2-0	4-0-0	3-4-0	5-8-0

Scale = 1:61.5



6-0-10	11-5-8	18-7-8	25-11-8	31-7-8
6-0-10	5-4-14	7-2-0	7-4-0	5-8-0

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

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	0.72	Vert(LL)	-0.09	10-12	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.58	Vert(CT)	-0.17	10-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.66	Horz(CT)	0.03	9	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 222 lb	FT = 20%

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

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

REACTIONS. (size) 16=0-3-0, 9=Mechanical
Max Horz 16=300(LC 9)
Max Uplift 16=-428(LC 12), 9=-400(LC 13)
Max Grav 16=1253(LC 1), 9=1157(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1285/602, 3-4=-1178/663, 4-5=-959/633, 5-6=-1192/684, 6-7=-824/497, 7-8=-1067/506, 2-16=-1196/626, 8-9=-1109/535
BOT CHORD 15-16=-299/303, 13-15=-457/1046, 12-13=-326/911, 10-12=-463/1093
WEBS 3-13=-279/249, 4-13=-144/368, 5-12=-138/413, 6-12=-311/273, 6-10=-626/317, 7-10=-84/341, 2-15=-328/977, 8-10=-338/887

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 16=428, 9=400.

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Jcb	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 31 TC	T21009045
2435652	T11	Roof Special	1	1	Jcb Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 13 06:53:56 2020 Page 1

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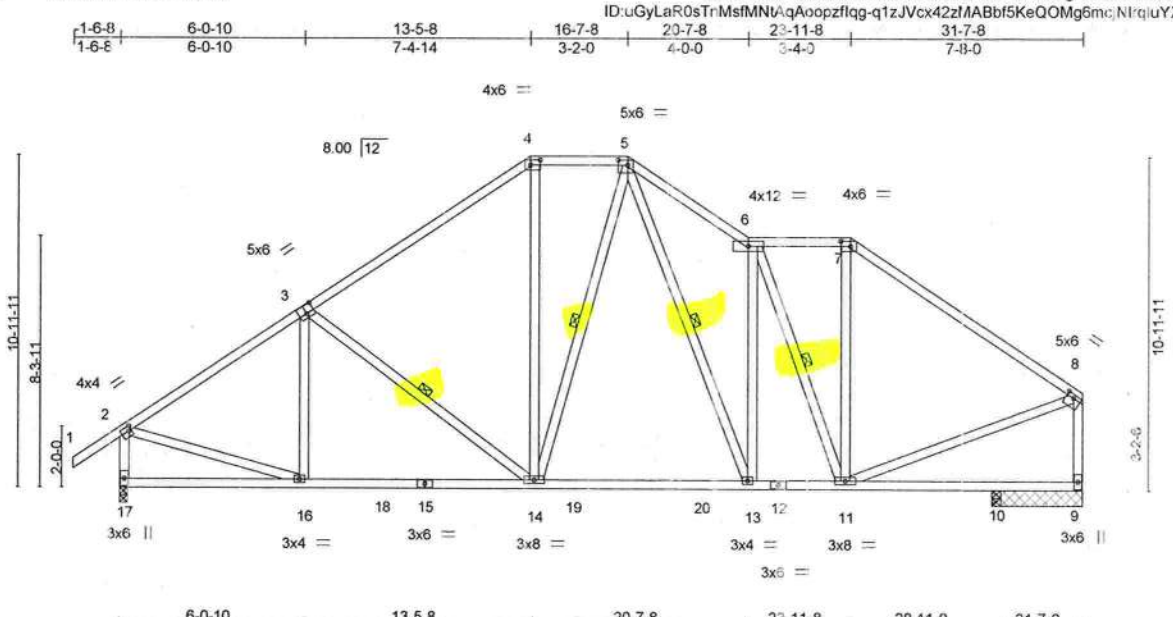

	6-0-10	13-5-8	20-7-8	23-11-8	28-11-8	31-7-8
	6-0-10	7-4-14	7-2-0	3-4-0	5-0-0	2-8-0

Plate Offsets (X,Y)-- [2:0-1-0,0-1-12], [3:0-3-0,0-3-4], [4:0-3-12,0-2-0], [5:0-3-12,0-2-0], [7:0-3-12,0-2-0], [8:0-3-0,0-1-8]

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	0.88	Vert(LL)	-0.12	13-14	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.55	Vert(CT)	-0.20	13-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.52	Horz(CT)	0.03	9	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 237 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD	Structural wood sheathing directly applied, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 3-4-10 oc bracing.
WEBS	1 Row at midpt 3-14, 5-14, 5-13, 6-11

REACTIONS. (size) 17=0-3-0, 9=2-11-8, 10=0-3-8
Max Horz 17=342(LC 9)
Max Uplift 17=-447(LC 12), 9=-438(LC 13)
Max Grav 17=1243(LC 1), 9=1054(LC 1), 10=205(LC 3)

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

TOP CHORD	2-3=-1287/603, 3-4=-1124/630, 4-5=-940/615, 5-6=-1304/843, 6-7=-860/556, 7-8=-1098/546, 2-17=-1192/620, 8-9=-1049/540
BOT CHORD	16-17=-327/331, 14-16=-497/1173, 13-14=-264/843, 11-13=-396/1008
WEBS	3-14=-374/314, 4-14=-148/357, 5-13=-416/568, 6-13=-418/417, 6-11=-595/193, 7-11=-68/289, 2-16=-361/1016, 8-11=-289/826

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 17=447, 9=438.

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Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 31 TC	T21009046
2435652	T12	Hip	1	1	Jcb Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 13 06:53:58 2020 Page 1
ID:uGyLaR0sTnMsfMNtAcAocpzflqg-mP44vIzKaacuRuoTS3SsR5C8XWfUJkMB0r2iL5yoL2d

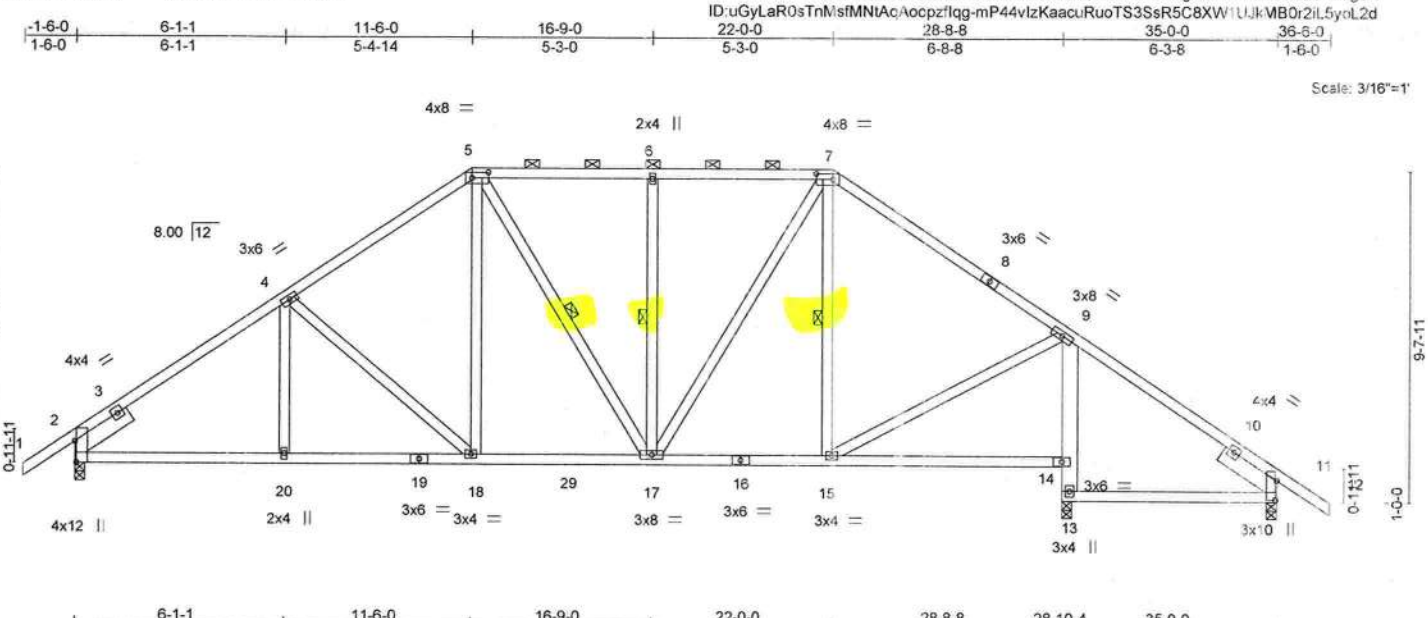

Plate Offsets (X,Y)-- [2:0-7-8,Edge], [5:0-5-12,0-2-0], [7:0-5-12,0-2-0], [11:0-6-12,0-0-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.72	Vert(LL)	-0.07	18-20	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.70	Vert(CT)	-0.15	18-20	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.48	Horz(CT)	0.04	13	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 229 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
9-13: 2x6 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x6 SP No.2 1-11-8, Right 2x6 SP No.2 1-11-8

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-2-2 oc purlins, except 2-0-0 oc purlins (5-10-11 max.): 5-7.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 5-17, 6-17, 7-15

REACTIONS. (size) 13=0-3-8, 11=0-3-8, 2=0-3-8
Max Horz 2=288(LC 11)
Max Uplift 13=-347(LC 13), 11=-259(LC 13), 2=-476(LC 12)
Max Grav 13=1238(LC 1), 11=326(LC 24), 2=1153(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-1402/703, 4-5=-1160/691, 5-6=-919/678, 6-7=-919/678, 7-9=-958/615, 9-11=-223/355
BOT CHORD 2-20=-469/1123, 18-20=-469/1123, 17-18=-337/902, 15-17=-194/694, 13-14=-1216/391, 9-14=-1149/411
WEBS 4-18=-396/277, 5-18=-148/403, 6-17=-317/249, 7-17=-265/484, 9-15=-241/699

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed; porch right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 13=347, 11=259, 2=476.
7) 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	LIPSCOMB EAGLE - LOT 31 TC	T21009047
2435652	T13	PIGGYBACK BASE	1	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 13 06:53:59 2020 Page 1
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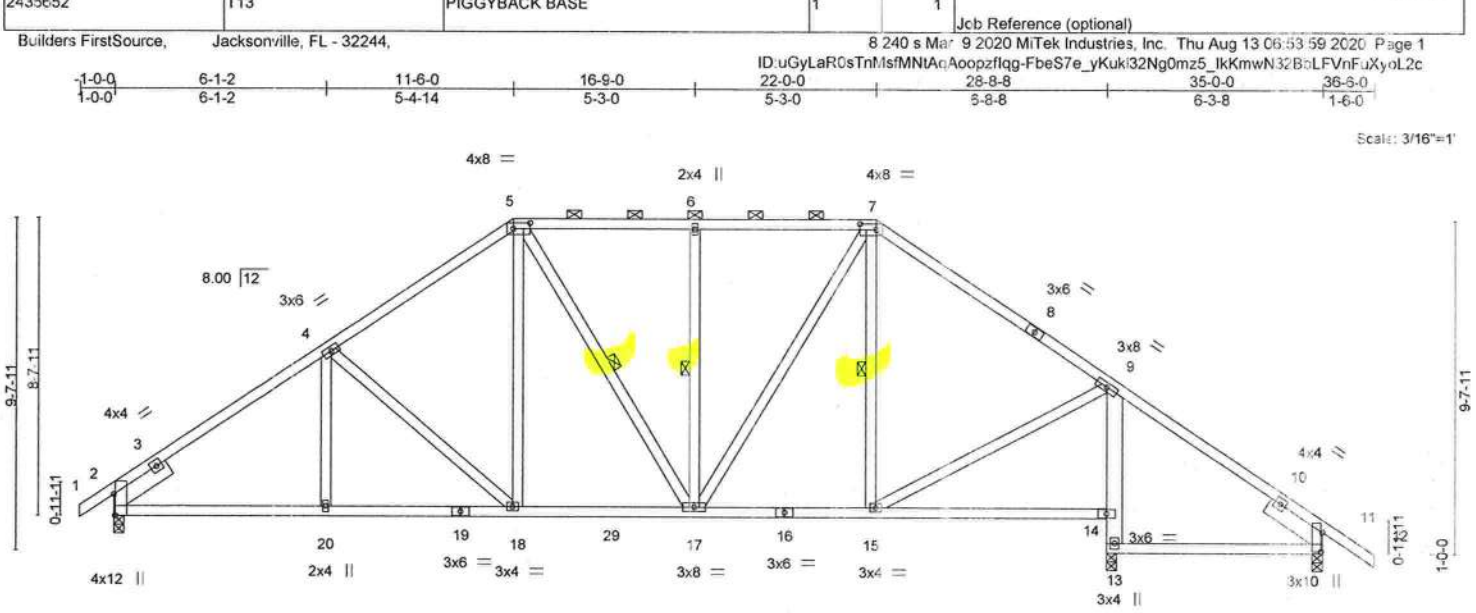

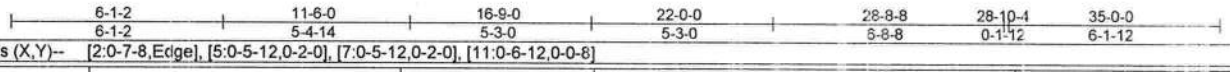

Plate Offsets (X,Y)-- [2:0-7-8,Edge], [5:0-5-12,0-2-0], [7:0-5-12,0-2-0], [11:0-6-12,0-0-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.69	Vert(LL)	-0.07	18-20	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.68	Vert(CT)	-0.14	18-20	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.48	Horz(CT)	0.04	13	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 228 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
9-13: 2x6 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x6 SP No.2 1-11-8, Right 2x6 SP No.2 1-11-8

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-4-0 oc purlins, except 2-0-0 oc purlins (5-10-10 max.): 5-7.
BOT CHORD Rigid ceiling directly applied or 3-0-0 oc bracing.
WEBS 1 Row at midpt 5-17, 6-17, 7-15

REACTIONS. (size) 2=0-3-8, 13=0-3-8, 11=0-3-8
Max Horz 2=281(LC 11)
Max Uplift 2=-459(LC 12), 13=-347(LC 13), 11=-259(LC 13)
Max Grav 2=1125(LC 1), 13=1287(LC 1), 11=326(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-1410/708, 4-5=-1164/693, 5-6=-922/679, 6-7=-922/679, 7-9=-960/617, 9-11=-223/358
BOT CHORD 2-20=-474/1131, 18-20=-474/1131, 17-18=-338/905, 15-17=-194/696, 13-14=-1215/389, 9-14=-1148/409
WEBS 4-18=-393/282, 5-18=-150/406, 6-17=-317/250, 7-17=-265/485, 9-15=-241/698

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed; porch right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=459, 13=347, 11=259.
7) 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:
August 13,2020

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Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 31 TC
2435652	T14	Piggyback Base	7	1	T21009048
					Jcb Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 13 08:54:01 2020 Page 1
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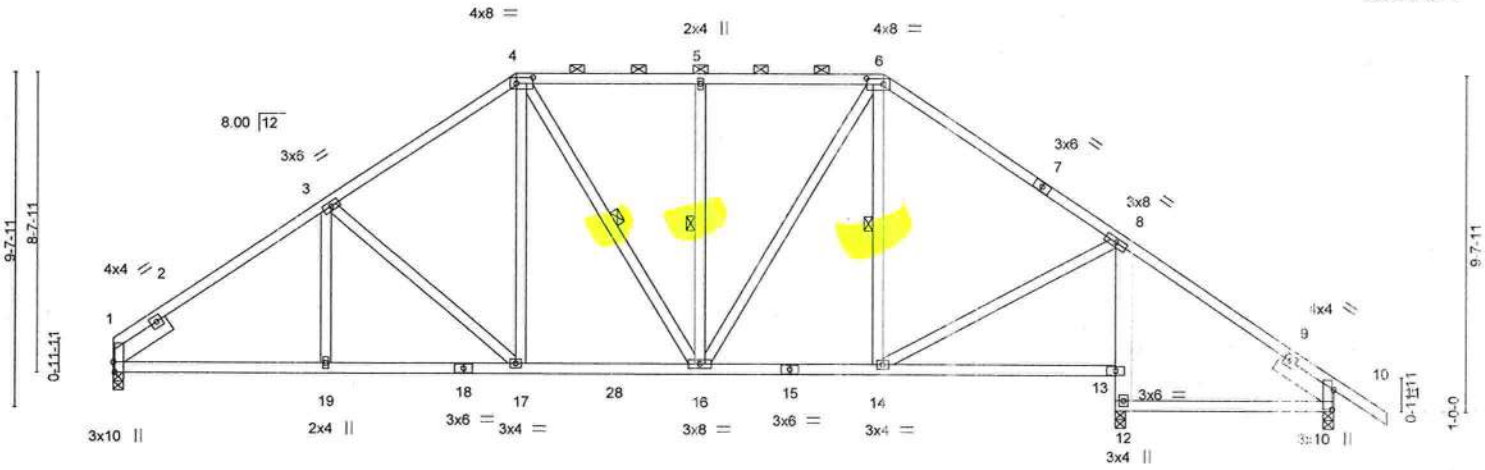
6-1-2	11-6-0	16-9-0	22-0-0	28-8-8	35-0-0	36-6-0
6-1-2	5-4-15	5-3-0	5-3-0	6-8-8	6-3-8	1-6-0

Scale: 3/16"=1'



6-1-2	11-6-0	16-9-0	22-0-0	28-8-8	28-10-4	35-0-0
6-1-2	5-4-15	5-3-0	5-3-0	6-8-8	0-1-12	6-1-12

Plate Offsets (X,Y)-- [1:0-3-8,Edge], [4:0-5-12,0-2-0], [6:0-5-12,0-2-0], [10:0-6-12,0-0-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.67	Vert(LL)	-0.07	13-14	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.66	Vert(CT)	-0.14	13-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.48	Horz(CT)	0.04	12	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 226 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
8-12: 2x6 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x6 SP No.2 1-11-8, Right 2x6 SP No.2 1-11-8

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-5-8 oc purlins, except 2-0-0 oc purlins (5-10-8 max.): 4-6.
BOT CHORD Rigid ceiling directly applied or 3-0-0 oc bracing.
WEBS 1 Row at midpt 4-15, 5-16, 6-14

REACTIONS. (size) 1=0-3-8, 12=0-3-8, 10=0-3-8
Max Horz 1=-288(LC 8)
Max Uplift 1=-426(LC 12), 12=-347(LC 13), 10=-260(LC 13)
Max Grav 1=1071(LC 1), 12=1286(LC 1), 10=327(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-3=-1417/710, 3-4=-1167/694, 4-5=-924/680, 5-6=-924/680, 6-8=-963/618, 8-10=-223/358
BOT CHORD 1-19=-476/1137, 17-19=-476/1137, 16-17=-338/907, 14-16=-194/697, 12-13=-1214/389, 8-13=-1147/409
WEBS 3-17=-393/284, 4-17=-151/408, 5-16=-317/250, 6-16=-265/486, 8-14=-241/698

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical right exposed; porch right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=426, 12=347, 10=260.
7) 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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August 13,2020

Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 31 TC	T21009049
2435652	T15	Piggyback Base	3	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 13 06:54:02 2020 Page 1
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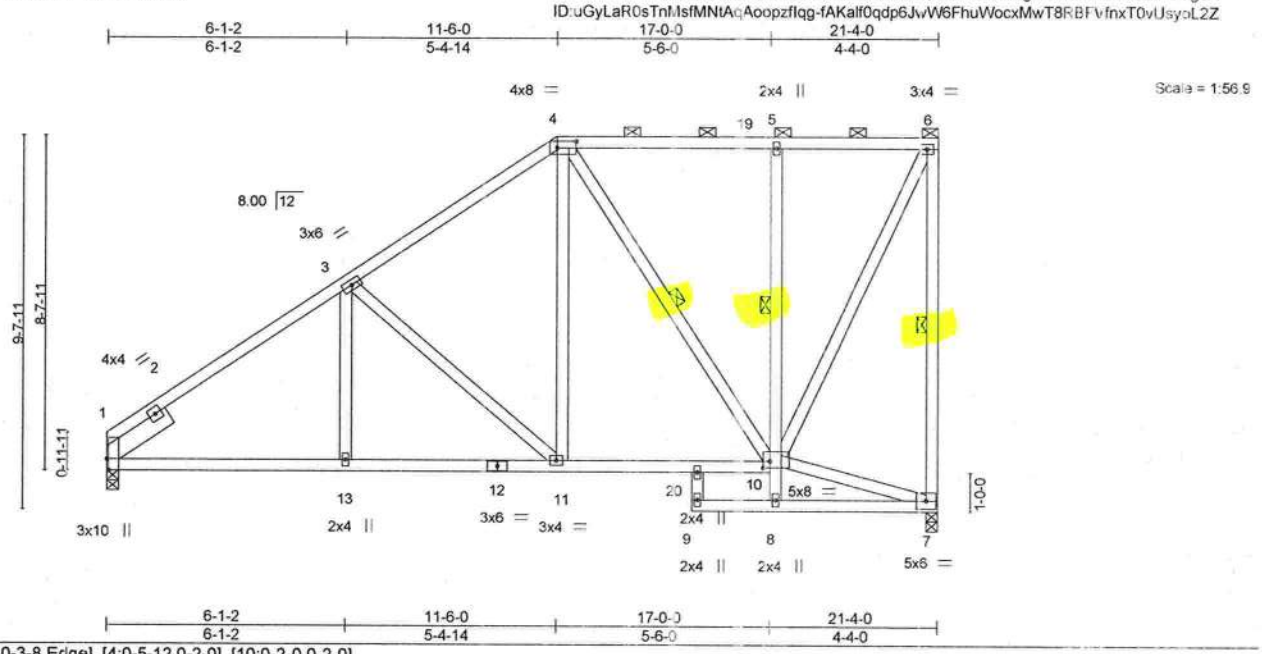

Plate Offsets (X,Y)-- [1:0-3-8,Edge], [4:0-5-12,0-2-0], [10:0-2-0,0-2-0]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.34	Vert(LL) -0.05 10-11 >999 240	MT20 244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.46	Vert(CT) -0.09 10-11 >999 180	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.65	Horz(CT) 0.03 7 n/a n/a	
BCDL 10.0	Code FBC2017/TPI2014	Matrix-MS		Weight: 165 lb FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
5-8: 2x4 SP No.3
WEBS 2x4 SP No.3
SLIDER Left 2x6 SP No.2 1-11-8

REACTIONS. (size) 1=0-3-8, 7=0-3-8
Max Horz 1=374(LC 12)
Max Uplift 1=-269(LC 12), 7=-343(LC 12)
Max Grav 1=794(LC 1), 7=816(LC 1)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-5-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-6.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. Except:
1 Row at midpt 5-10
10-0-0 oc bracing: 8-10
WEBS 1 Row at midpt 6-7, 4-10

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-3=-991/337, 3-4=-712/294, 4-5=-348/183, 5-6=-344/181, 6-7=-786/433
BOT CHORD 1-13=-543/847, 11-13=-543/847, 10-11=-310/526, 5-10=-311/239
WEBS 3-11=-448/314, 4-11=-163/444, 4-10=-387/258, 6-10=-414/784

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=269, 7=343.
7) 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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August 13,2020

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Jcb	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 31 TC
2435652	T16	Half Hip Girder	1	2	T2 1009050
					Jcb Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8 240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 13 06:54:04 2020 Page 1
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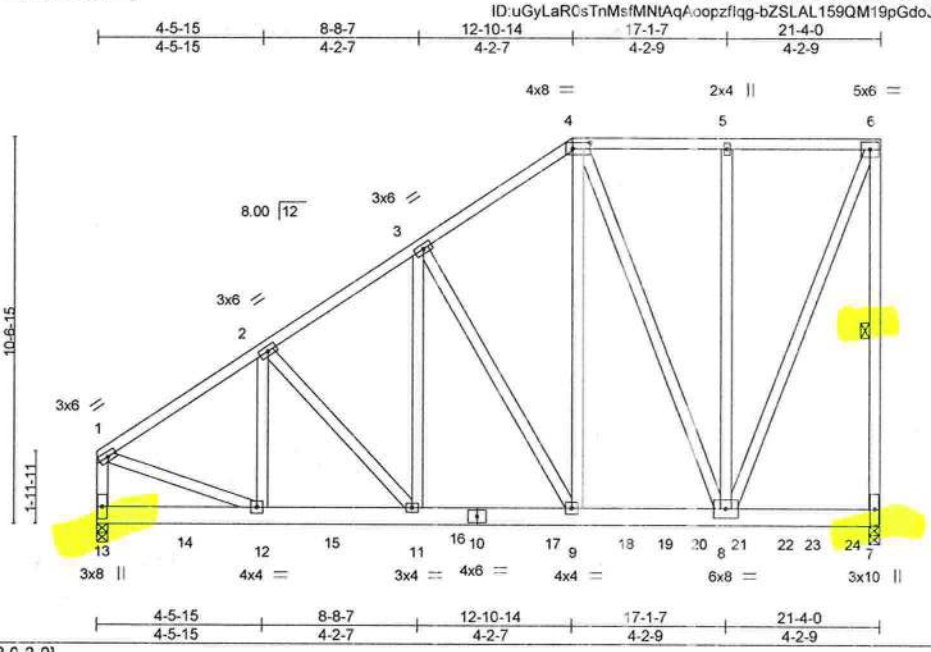

Plate Offsets (X,Y)-- [4:0-5-12,0-2-0]

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	0.80	Vert(LL)	0.09	9-11	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.40	Vert(CT)	-0.11	9-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.97	Horz(CT)	0.02	7	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 414 lb	FT = 20%

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

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

REACTIONS. (size) 7=0-3-8, 13=0-3-8
Max Horz 13=415(LC 8)
Max Uplift 7=-2299(LC 8), 13=-1689(LC 8)
Max Grav 7=3901(LC 1), 13=3655(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-3299/1611, 2-3=-3020/1646, 3-4=-2179/1277, 4-5=-1240/752, 5-6=-1240/752, 6-7=-3188/1908, 1-13=-2899/1431
BOT CHORD 12-13=-474/216, 11-12=-1681/2691, 9-11=-1567/2461, 8-9=-1136/1785
WEBS 2-12=-108/272, 2-11=-340/169, 3-11=-790/1428, 3-9=-1394/888, 4-9=-1474/2284, 4-8=-1429/1008, 6-8=-2018/3325, 1-12=-1293/2765

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; 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, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=2299, 13=1689.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 505 lb down and 194 lb up at 0-1-12, 497 lb down and 201 lb up at 2-4-12, 497 lb down and 201 lb up at 4-4-12, 497 lb down and 258 lb up at 6-4-12, 497 lb down and 306 lb up at 8-4-12, 497 lb down and 360 lb up at 10-4-12, 517 lb down and 436 lb up at 12-4-12, 525 lb down and 312 lb up at 14-4-12, 525 lb down and 312 lb up at 16-4-12, 525 lb down and 312 lb up at 17-6-0, and 525 lb down and 312 lb up at 19-6-0, and 529 lb down and 308 lb up at 20-7-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

Continued on page 2

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Date: August 13,2020

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Tampa, FL 33610

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-4=-54, 4-6=-54, 7-13=-20

Concentrated Loads (lb)

Vert: 13=-505(B) 10=-497(B) 12=-497(B) 14=-497(B) 15=-497(B) 16=-497(B) 17=-497(B) 18=-502(B) 20=-502(B) 21=-502(B) 23=-502(B) 24=-506(B)

Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 31 TC	T21009051
2435652	T17	Hip Girder	1	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 13 06:54:05 2020 Page 1
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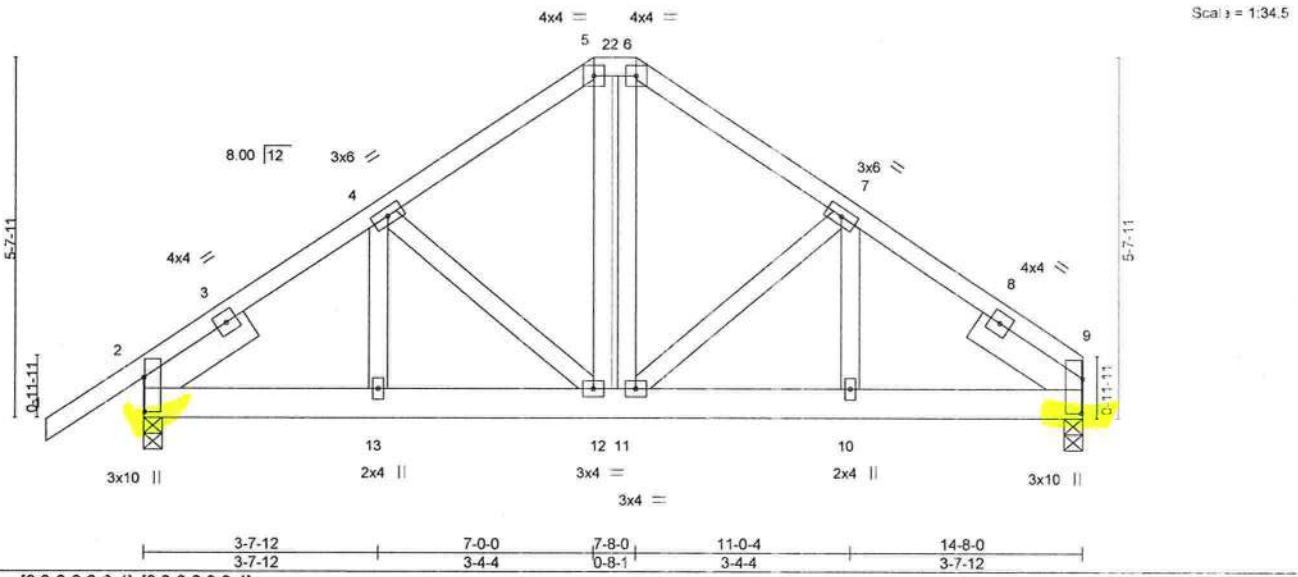

Plate Offsets (X,Y)-- [2:0-6-8,0-0-4], [9:0-6-8,0-0-4]

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	0.27	Vert(LL)	0.04	12	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.40	Vert(CT)	-0.05	12-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.22	Horz(CT)	0.01	9	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 108 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x6 SP No.2 1-11-8, Right 2x6 SP No.2 1-11-8

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-0-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-8-0 oc bracing.

REACTIONS. (size) 9=0-3-8, 2=0-3-8
Max Horz 2=167(LC 7)
Max Uplift 9=-615(LC 9), 2=-668(LC 8)
Max Grav 9=973(LC 34), 2=1057(LC 33)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-1222/830, 4-5=-1214/914, 5-6=-990/798, 6-7=-1212/912, 7-9=-1239/842
BOT CHORD 2-13=-698/1065, 12-13=-698/1065, 11-12=-666/1036, 10-11=-614/976, 9-10=-614/976
WEBS 4-12=-285/300, 5-12=-429/554, 6-11=-429/554, 7-11=-294/312

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=615, 2=668.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 90 lb down and 78 lb up at 7-0-0, and 90 lb down and 78 lb up at 7-8-0 on top chord, and 435 lb down and 409 lb up at 7-0-0, and 441 lb down and 421 lb up at 7-7-4 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: 1-5=-54, 5-6=-54 6-9=-54, 14-18=-20
Concentrated Loads (lb)
Vert: 5=-26(F) 6=-26(F) 12=-385(F) 11=-410(F)

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Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 31 TC	T21009052
2435652	T18	Common	1	1	Jcb Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 13 06:54:06 2020 Page 1
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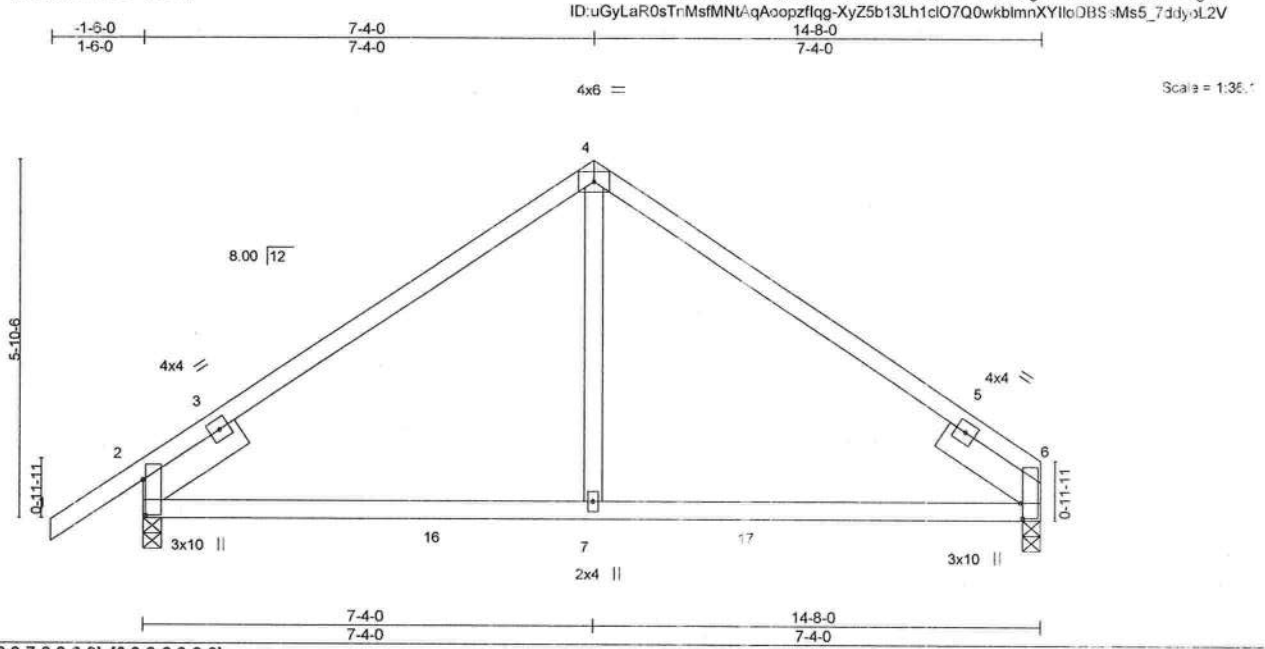

Plate Offsets (X,Y)-- [2:0-7-0,0-0-8], [6:0-3-0,0-0-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.55	Vert(LL)	0.12	7-10	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.45	Vert(CT)	-0.14	7-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.13	Horz(CT)	0.06	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 68 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x6 SP No.2 1-11-8, Right 2x6 SP No.2 1-11-8

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

REACTIONS. (size) 6=0-3-8, 2=0-3-8
Max Horz 2=173(LC 9)
Max Uplift 6=-190(LC 13), 2=-243(LC 12)
Max Grav 6=574(LC 20), 2=658(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-646/282, 4-6=-641/281
BOT CHORD 2-7=-113/503, 6-7=-113/503
WEBS 4-7=-34/331

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=190, 2=243.

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

August 13,2020

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Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 31 TC	T21009053
2435652	T19	Roof Special	3	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 13 06:54:07 2020 Page 1
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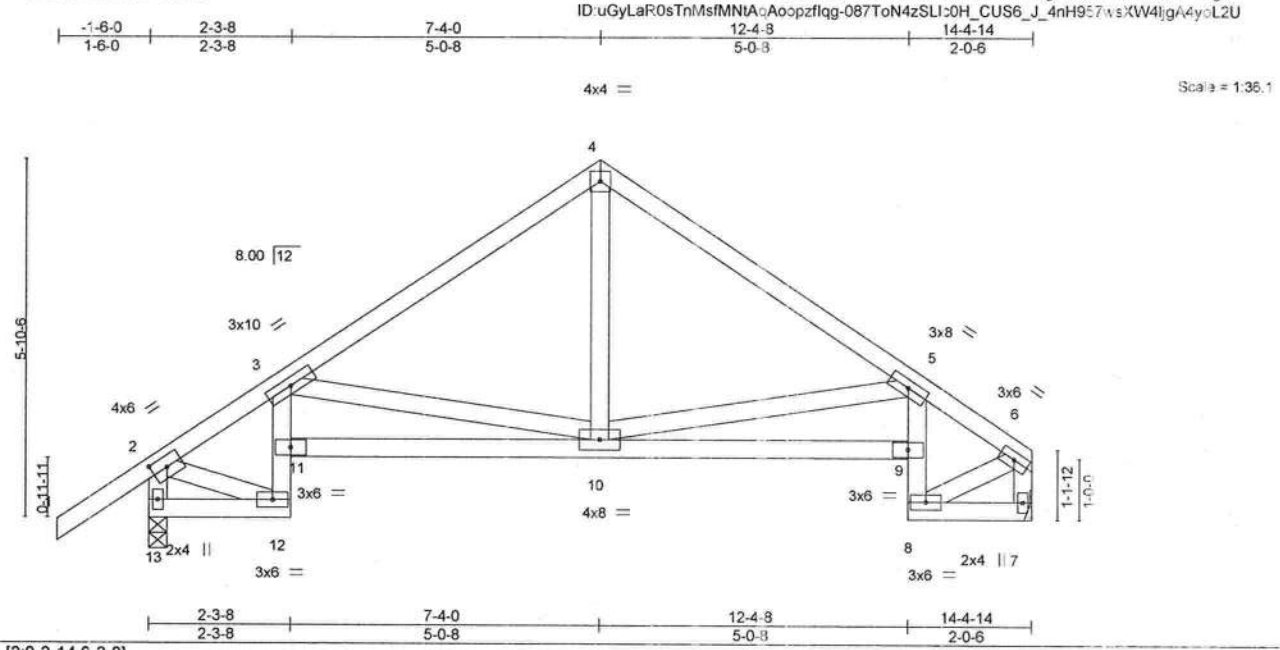

Plate Offsets (X,Y)-- [2:0-2-14,0-2-0]

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	0.27	Vert(LL)	0.05	10-11	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.67	Vert(CT)	-0.09	10-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.29	Horz(CT)	0.11	7	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 84 lb	FT = 20%

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

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

REACTIONS. (size) 13=0-3-8, 7=Mechanical
Max Horz 13=209(LC 9)
Max Uplift 13=-242(LC 12), 7=-181(LC 13)
Max Grav 13=616(LC 1), 7=517(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-577/273, 3-4=-598/286, 4-5=-599/286, 5-6=-525/253, 2-13=-640/361, 6-7=-550/261
BOT CHORD 10-11=-465/994, 9-10=-424/841
WEBS 3-10=-550/391, 4-10=-115/359, 5-10=-476/346, 2-12=-206/449, 6-8=-213/430

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 13=242, 7=181.

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Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 31 TC	T21009054
2435652	T20	Half Hip	1	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 13 06:54:09 2020 Page 1
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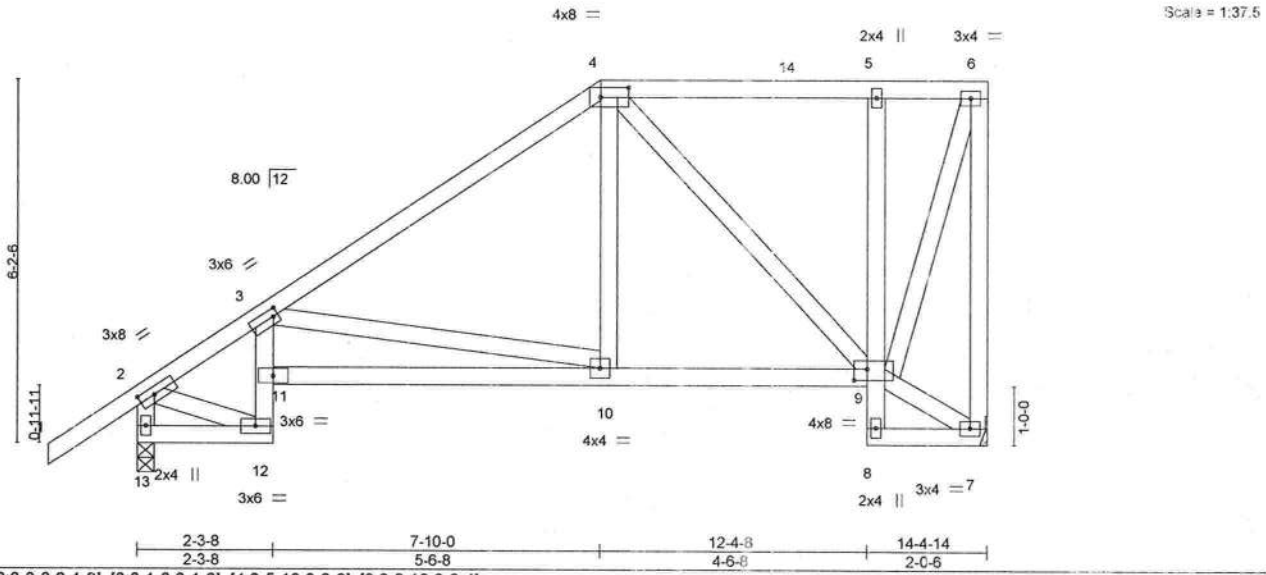

Plate Offsets (X,Y)-- [2:0-3-3,0-1-8], [3:0-1-0,0-1-8], [4:0-5-12,0-2-0], [9:0-2-12,0-2-4]

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	0.31	Vert(LL)	0.07	10-11	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.73	Vert(CT)	-0.11	10-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.52	Horz(CT)	0.08	7	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 105 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
5-8: 2x4 SP No.3
WEBS 2x4 SP No.3

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

REACTIONS. (size) 7=Mechanical, 13=0-3-8
Max Horz 13=297(LC 12)
Max Uplift 7=-238(LC 12), 13=-232(LC 12)
Max Grav 7=517(LC 1), 13=616(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-562/227, 3-4=-562/231, 6-7=-488/313, 2-13=-641/345
BOT CHORD 10-11=-781/1169, 9-10=-267/410
WEBS 3-10=-780/544, 4-10=-75/311, 4-9=-376/232, 6-9=-322/505, 2-12=-162/461

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=238, 13=232.

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Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 31 TC	T21009055
2435652	T21	Half Hip	1	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8 240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 13 06:54:11 2020 Page 1
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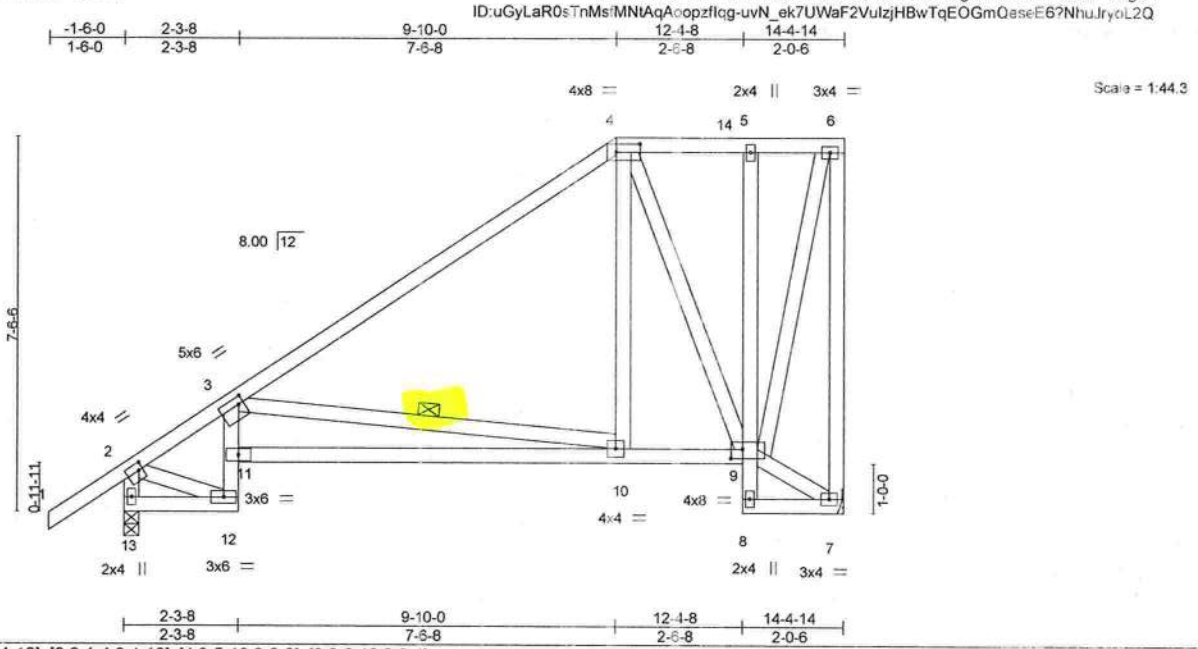

Plate Offsets (X,Y)-- [2:0-1-0,0-1-12], [3:0-1-4,0-1-12], [4:0-5-12,0-2-0], [9:0-2-12,0-2-4]

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	0.59	Vert(LL)	-0.11	10-11	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.89	Vert(CT)	-0.24	10-11	>693	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.44	Horz(CT)	0.10	7	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 117 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
5-8: 2x4 SP No.3
WEBS 2x4 SP No.3

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

REACTIONS. (size) 7=Mechanical, 13=0-3-8
Max Horz 13=361(LC 12)
Max Uplift 7=-286(LC 12), 13=-206(LC 12)
Max Grav 7=517(LC 1), 13=616(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-578/207, 3-4=-468/121, 6-7=-478/339, 2-13=-644/317
BOT CHORD 12-13=-272/257, 10-11=-994/1442, 9-10=-199/323
WEBS 3-10=-1138/811, 4-10=-80/388, 4-9=-516/304, 6-9=-300/440, 2-12=-198/519

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=286, 13=206.

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August 13,2020

Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 31 TC	T21009056
2435652	T22	Half Hip	1	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 13 06:54:12 2020 Page 1
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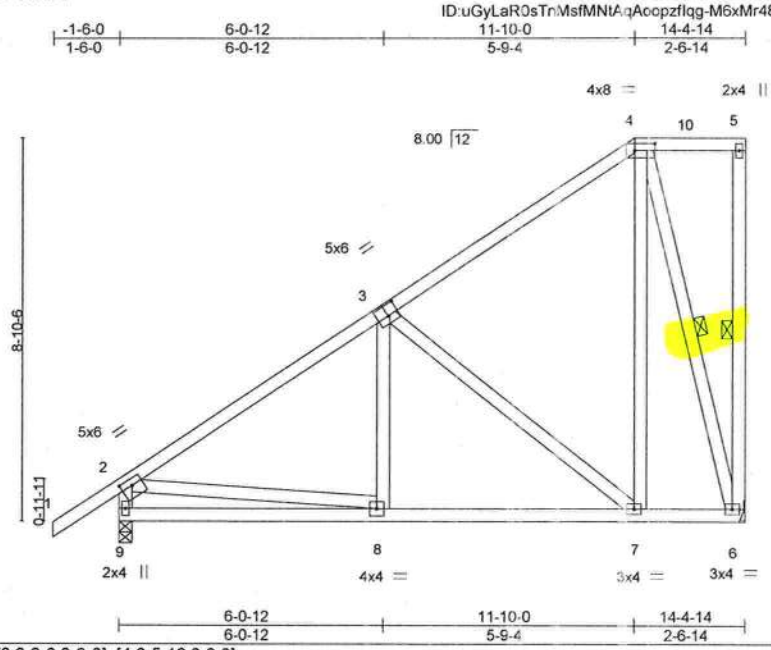

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Plate Offsets (X,Y)-- [2:0-3-0,0-1-12], [3:0-3-0,0-3-0], [4:0-5-12,0-2-0]

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)	-0.03	8-9	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.34	Vert(CT)	-0.06	8-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.55	Horz(CT)	-0.01	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 113 lb	FT = 20%

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

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

REACTIONS. (size) 6=Mechanical, 9=0-3-8
Max Horz 9=426(LC 12)
Max Uplift 6=-340(LC 12), 9=-172(LC 12)
Max Grav 6=517(LC 1), 9=616(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-595/89, 3-4=-251/29, 2-9=-563/237
BOT CHORD 8-9=-496/546, 7-8=-353/549
WEBS 3-7=-513/333, 4-7=-174/408, 4-6=-567/348, 2-8=0/291

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=340, 9=172.

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August 13,2020

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Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 31 TC	T21009057
2435652	T23	Half Hip	1	1	Job Reference (optional)	

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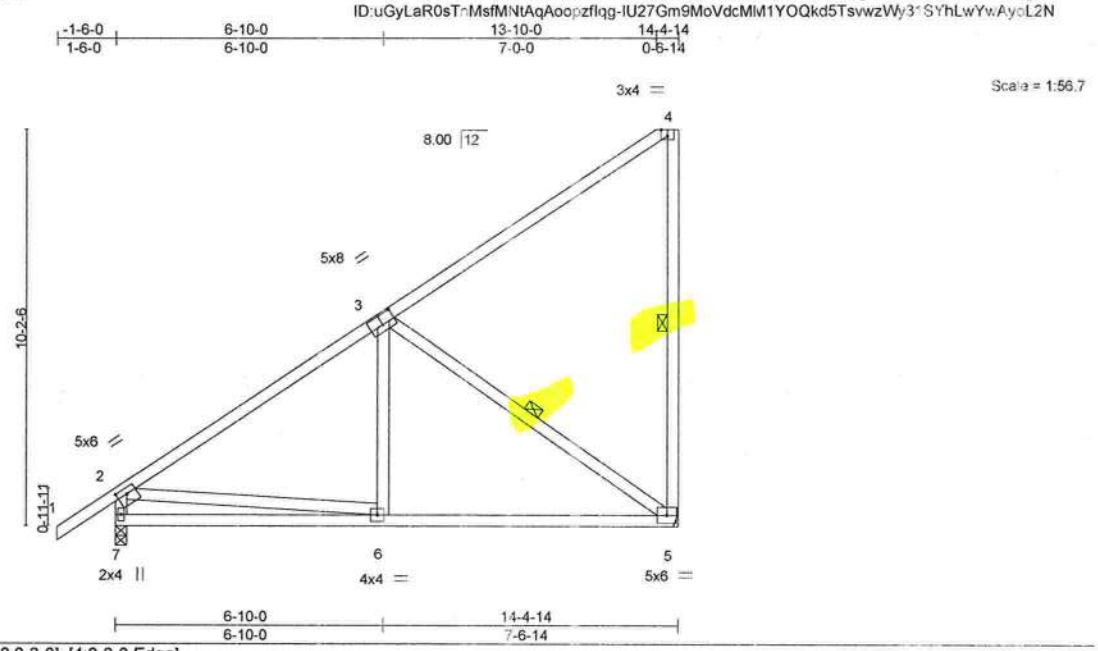

Plate Offsets (X,Y)-- [2:0-3-0,0-1-12], [3:0-4-0,0-3-0], [4:0-2-0,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.63	Vert(LL)	-0.08	5-6	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.53	Vert(CT)	-0.17	5-6	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.28	Horz(CT)	-0.01	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 95 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-10-1 oc bracing.
WEBS 1 Row at midpt 4-5, 3-5

REACTIONS. (size) 5=Mechanical, 7=0-3-8
Max Horz 7=491(LC 12)
Max Uplift 5=-416(LC 12), 7=-122(LC 12)
Max Grav 5=588(LC 19), 7=616(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-596/8, 2-7=-560/186
BOT CHORD 6-7=-565/599, 5-6=-359/559
WEBS 3-6=0/308, 3-5=-664/425, 2-6=-43/314

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; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 5=416, 7=122.

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Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 31 TC
2435652	T24	Jack-Closed	5	1	T21009058
					Job Reference (optional)

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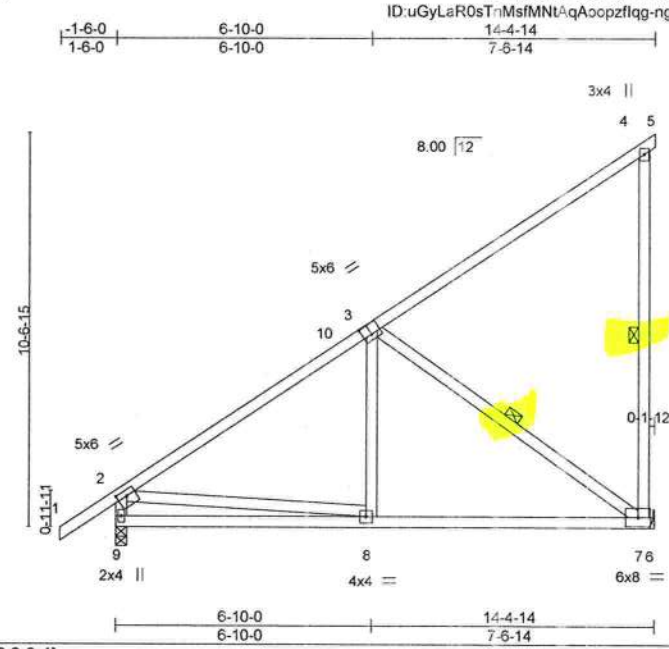

Plate Offsets (X,Y)-- [2:0-3-0,0-1-12], [3:0-2-12,0-3-4]

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	0.60	Vert(LL)	-0.07	7-8	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.50	Vert(CT)	-0.14	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.27	Horz(CT)	-0.01	7	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 95 lb	FT = 20%

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

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

REACTIONS. (size) 9=0-3-8, 7=Mechanical
Max Horz 9=411(LC 12)
Max Uplift 9=-125(LC 12), 7=-292(LC 12)
Max Grav 9=611(LC 1), 7=595(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-9=-553/185, 2-3=-585/3
BOT CHORD 8-9=-575/606, 7-8=-339/546
WEBS 2-8=-64/342, 3-8=0/303, 3-7=-648/402

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; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=125, 7=292.

Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
August 13,2020

MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 31 TC
2435652	T25	Common	2	1	21009059
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 13 06:34:16 2020 Page 1
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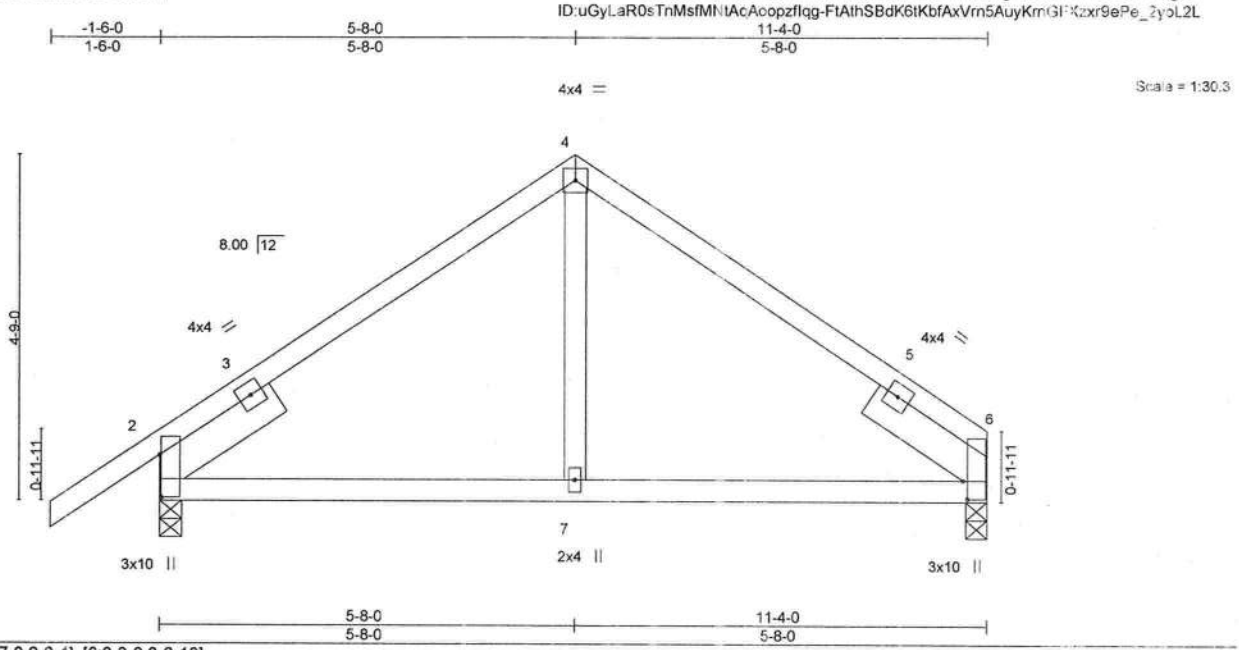

Plate Offsets (X,Y)-- [2:0-7-0,0-0-4], [6:0-3-0,0-0-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.28	Vert(LL)	0.04	7-10	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.28	Vert(CT)	-0.05	7-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.09	Horz(CT)	0.03	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 56 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x6 SP No.2 1-11-8, Right 2x6 SP No.2 1-11-8

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

REACTIONS. (size) 6=0-3-8, 2=0-3-8
Max Horz 2=138(LC 11)
Max Uplift 6=-146(LC 13), 2=-199(LC 12)
Max Grav 6=414(LC 1), 2=506(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-407/225, 4-6=-407/223
BOT CHORD 2-7=-84/302, 6-7=-84/302

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=146, 2=199.

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Jcb	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 31 TC	T21009060
2435652	T25G	Common Supported Gable	1	1	Jcb Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 13 06:54:17 2020 Page 1
ID:uGyLaR0sTnMsfMNtAqAoopzflqg-j3kFvoCF5Q?EDpI73YIKj5UY7BgSGR__OI8CWUycL2K

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1-6-0 5-8-0 5-8-0 1-6-0

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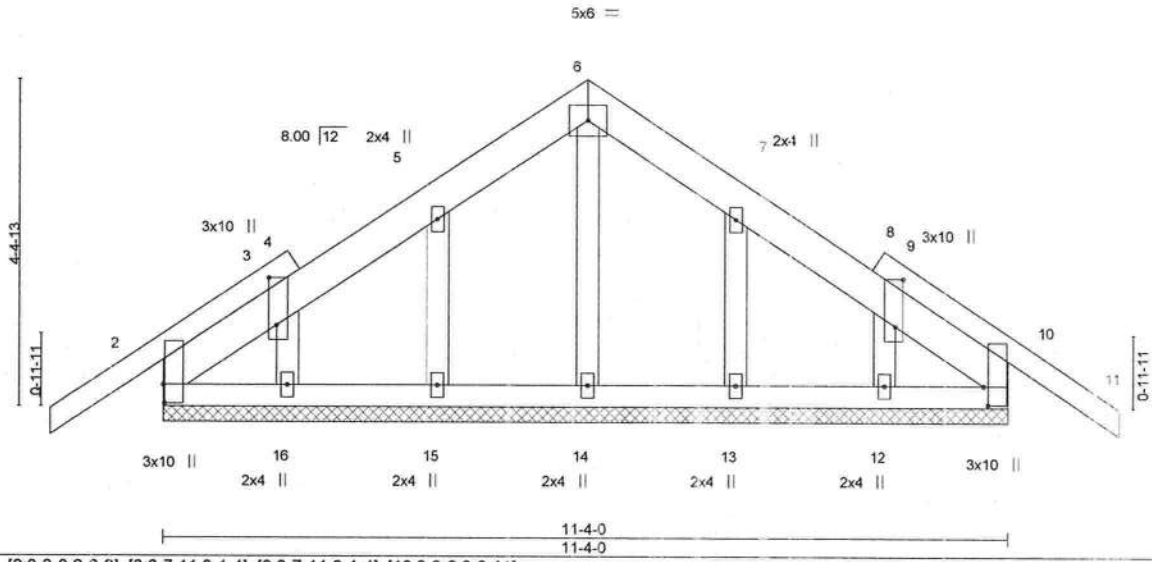

Plate Offsets (X,Y)-- [2:0-3-0,0-0-3], [3:0-7-11,0-1-4], [9:0-7-11,0-1-4], [10:0-3-0,0-0-11]

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	0.12	Vert(LL)	-0.01	11	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.03	Vert(CT)	-0.01	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: 77 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2 *Except* 1-4,8-11: 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 11-4-0.
(lb) - Max Horz 2=135(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 10, 12 except 15=-112(LC 12), 16=-104(LC 12), 13=-110(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; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Gable requires continuous bottom chord bearing.
5) Gable studs spaced at 2-0-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 10, 12 except (jt=lb) 15=112, 16=104, 13=110.

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Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 31 TC	T21009061
2435652	T26	Common Girder	1	2	Jcb Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 13 08:54:19 2020 Page 1
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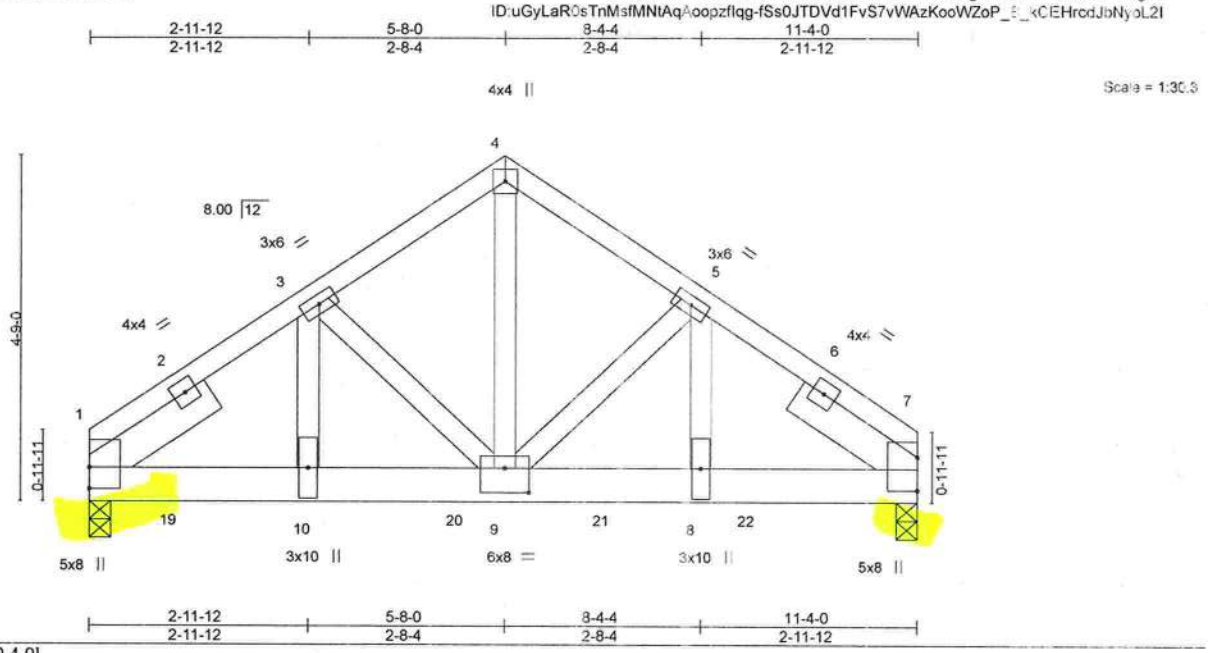

Plate Offsets (X,Y)-- [9:0-4-0,0-4-0]

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	0.46	Vert(LL)	0.05	9-10	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.66	Vert(CT)	-0.07	9-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.63	Horz(CT)	0.02	7	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 158 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x6 SP No.2 1-11-8, Right 2x6 SP No.2 1-11-8

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-3-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=0-3-8, 7=0-3-8
Max Horz 1=118(LC 26)
Max Uplift 1=-1774(LC 8), 7=-1323(LC 9)
Max Grav 1=3490(LC 1), 7=3148(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-3=-4448/2335, 3-4=-3270/1543, 4-5=-3277/1550, 5-7=-3928/1686
BOT CHORD 1-10=-1883/3537, 9-10=-1883/3537, 8-9=-1301/3130, 7-8=-1301/3130
WEBS 4-9=-1554/3298, 5-9=-562/198, 5-8=-231/884, 3-9=-1124/907, 3-10=-1131/1611

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc, Except member 3-10 2x4 - 1 row at 0-4-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; end vertical left and right exposed; 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=1774, 7=1323.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 157 lb down and 27 lb up at 1-1-13, 2227 lb down and 1555 lb up at 3-0-12, 1142 lb down and 471 lb up at 5-0-12, and 1137 lb down and 401 lb up at 7-0-12, and 1137 lb down and 420 lb up at 9-0-12 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, 4-7=-54, 11-15=-20

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Date: August 13,2020

Continued on page 2

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Tampa, FL 33610

LOAD CASE(S) Standard

Concentrated Loads (lb)

Vert: 10=-2227(B) 19=-157 20=-1142(B) 21=-1137(B) 22=-1137(B)

Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 31 TC	T21009062
2435652	T27	HALF HIP GIRDER	1	2	Jcb Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 13 06:54:22 2020 Page 1
ID:uGyLaR0sTnMsfMNtAqAoopzfIqg-31X8yVFNwyeUJae5s5tVQ9BFzCALxUCjXaszCiybL2F

-1-6-0	4-9-14	8-0-0	12-7-12	17-1-12	21-7-12	26-3-8
1-6-0	4-9-14	3-2-2	4-7-12	4-6-0	4-6-0	4-7-12

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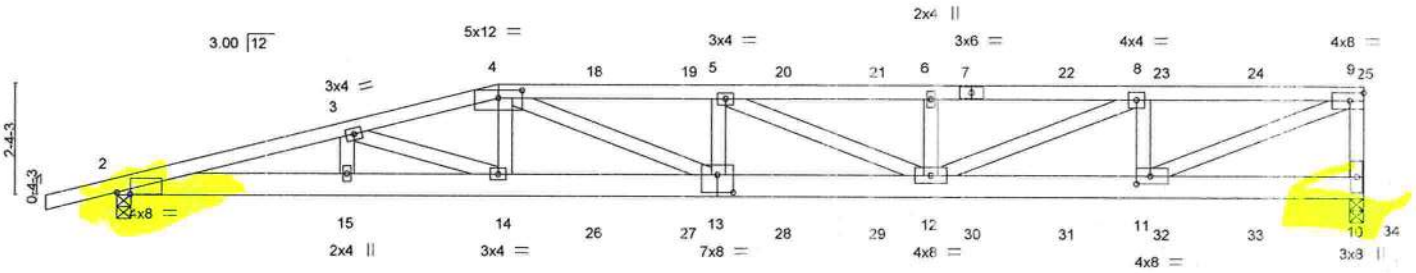

	4-9-14	8-0-0	12-7-12	17-1-12	21-7-12	26-3-8
	4-9-14	3-2-2	4-7-12	4-6-0	4-6-0	4-7-12

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

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	0.69	Vert(LL)	0.46	13	>683	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.88	Vert(CT)	-0.57	13	>550	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.93	Horz(CT)	0.08	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 296 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-8-2 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-2-5 oc bracing.

REACTIONS. (size) 10=0-3-8, 2=0-3-8
Max Horz 2=123(LC 4)
Max Uplift 10=-1444(LC 4), 2=-1396(LC 4)
Max Grav 10=2513(LC 1), 2=2104(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-7227/4592, 3-4=-7227/4526, 4-5=-8071/4879, 5-6=-7209/4264, 6-8=-7209/4264, 8-9=-4614/2691, 9-10=-2301/1386
BOT CHORD 2-15=-4510/6993, 14-15=-4510/6993, 13-14=-4457/7069, 12-13=-4881/8073, 11-12=-2691/4614
WEBS 3-14=-415/498, 4-14=-593/871, 4-13=-510/1204, 5-12=-944/674, 6-12=-516/378, 8-12=-1717/2833, 8-11=-1714/1115, 9-11=-2857/4904

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; porch left and right 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 10=1444, 2=1396.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 152 lb down and 137 lb up at 8-0-0, 133 lb down and 137 lb up at 10-0-12, 133 lb down and 137 lb up at 12-0-12, 133 lb down and 137 lb up at 14-0-12, 133 lb down and 137 lb up at 16-0-12, 133 lb down and 137 lb up at 18-0-12, 133 lb down and 137 lb up at 20-0-12, 133 lb down and 137 lb up at 22-0-12, and 133 lb down and 137 lb up at 24-0-12, and 151 lb down and 137 lb up at 25-9-12 on top chord, and 534 lb down and 464 lb up at 8-0-0, 101 lb down and 26 lb up at 10-0-12, 101 lb down and 26 lb up at 12-0-12, 101 lb down and 26 lb up at 14-0-12, 101 lb down and 26 lb up at 16-0-12, 101 lb down and 26 lb up at 18-0-12, 101 lb down and 26 lb up at 20-0-12, 101 lb down and 26 lb up at 22-0-12, and 101 lb down and 26 lb up at 24-0-12, and 114 lb down and 19 lb up at 25-9-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

Continued on page 2

JOAQUIN VELEZ LICENSE No 68182 STATE OF FLORIDA PROFESSIONAL ENGINEER

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Date: August 13,2020

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6904 Parke East Blvd.
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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: 1-4=-54, 4-9=-54 2-10=-20

Concentrated Loads (lb)

Vert: 4=-133(B) 7=-133(B) 14=-534(B) 18=-133(B) 19=-133(B) 20=-133(B) 21=-133(B) 22=-133(B) 23=-133(B) 24=-133(B) 25=-151(B) 26=-79(B) 27=-79(B) 28=-79(B) 29=-79(B) 30=-79(B) 31=-79(B) 32=-79(B) 33=-79(B) 34=-86(B)

Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 31 TC
2435652	T28	Half Hip	1	1	T21009063
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 13 06:54:23 2020 Page 1
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-1-6-0	5-7-0	10-0-0	15-8-0	20-7-8	26-3-8
1-6-0	5-7-0	4-5-1	5-8-0	4-11-8	5-8-0

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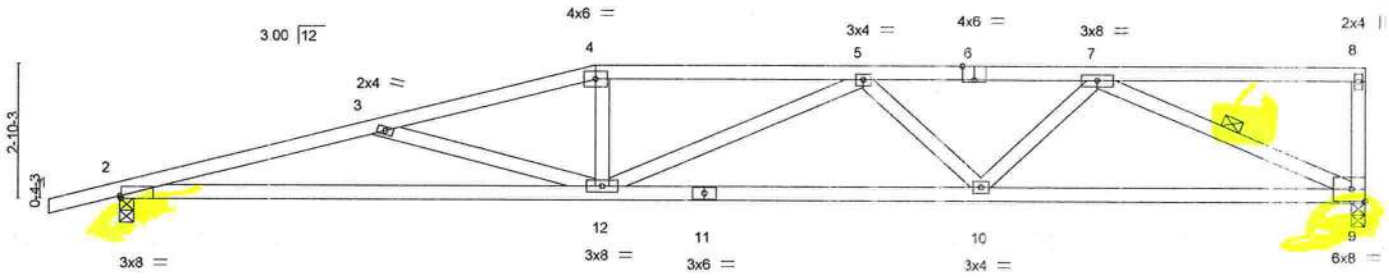

10-0-0	18-1-13	26-3-8
10-0-0	8-1-13	8-1-11

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.92	Vert(LL)	0.49	12-15	>644	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.78	Vert(CT)	-0.43	12-15	>728	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.62	Horz(CT)	0.08	9	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 122 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 3-0-11 oc bracing.
WEBS 1 Row at midpt 7-9

REACTIONS. (size) 9=0-3-8, 2=0-3-8
Max Horz 2=146(LC 8)
Max Uplift 9=-754(LC 8), 2=-832(LC 8)
Max Grav 9=965(LC 1), 2=1051(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3003/3533, 3-4=-2489/3031, 4-5=-2402/2994, 5-7=-2113/2605
BOT CHORD 2-12=-3532/2897, 10-12=-2881/2404, 9-10=-1965/1668
WEBS 3-12=-534/591, 4-12=-534/392, 5-10=-417/395, 7-10=-920/640, 7-9=-1784/2089

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) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=754, 2=832.

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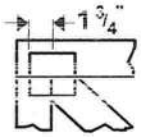
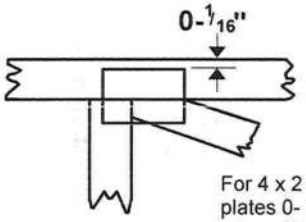
Symbols

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

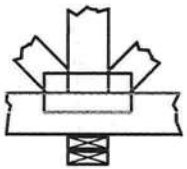
4 x 4

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

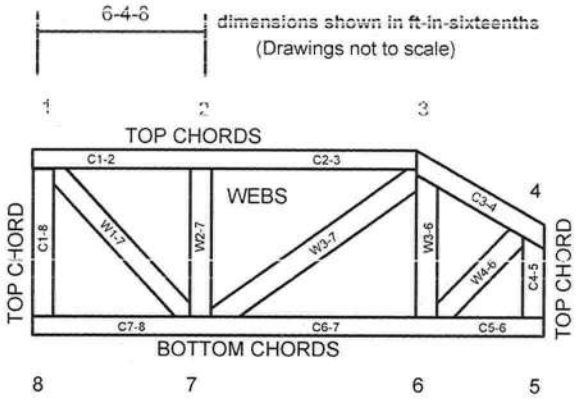


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

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.

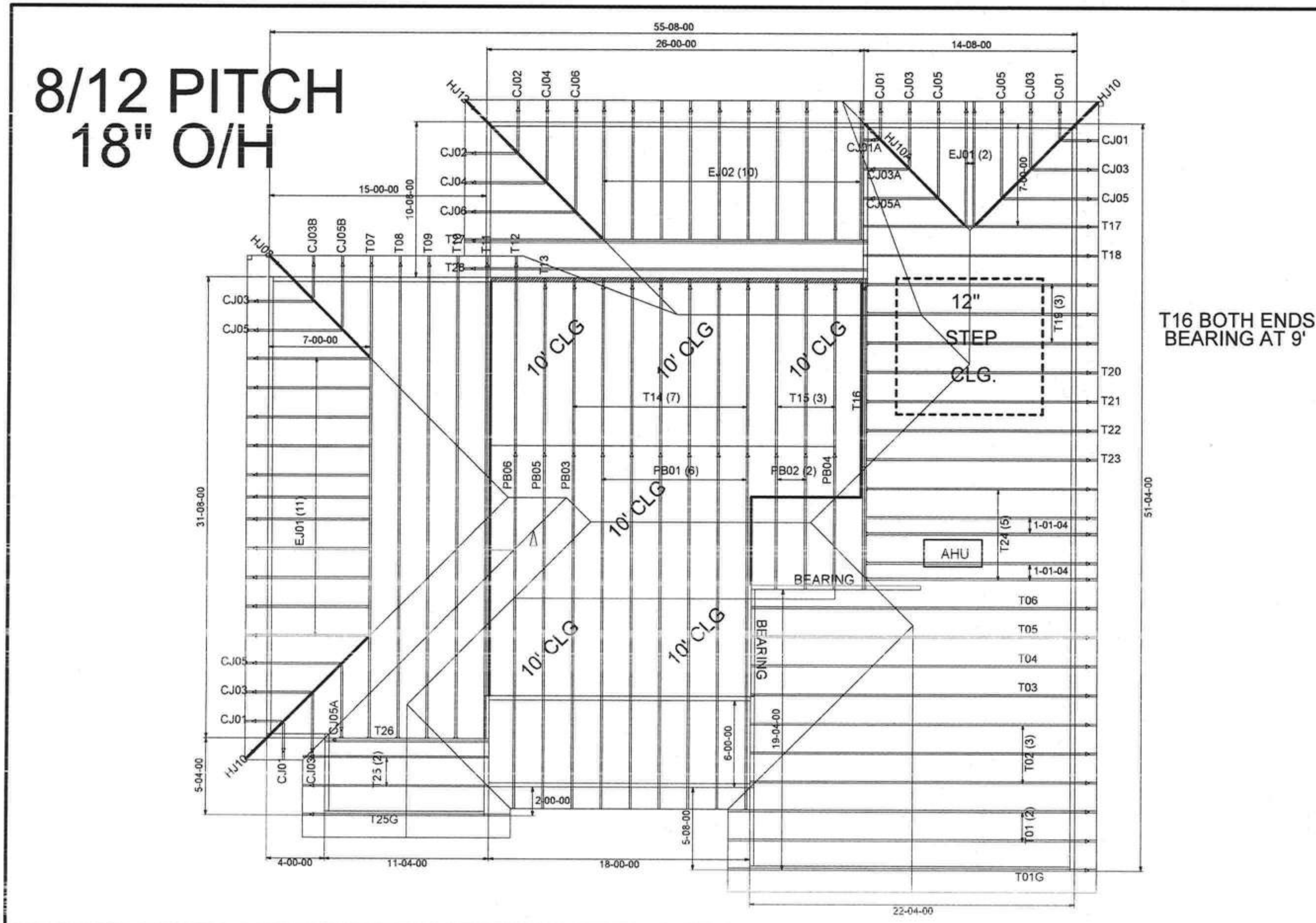
MiTek®

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

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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



BEARING HEIGHT SCHEDULE

(blank)	9' 1-1/8"
(hatched)	10' 1-1/8"

NOTES:

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

2.) ALL TRUSSES (INCLUDING TRUSSES UNDER VALLEY FRAMING) MUST BE COMPLETELY DECKED OR REFER TO DETAIL VI05 FOR ALTERNATE BRACING REQUIREMENTS.

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

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

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

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

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

Builders FirstSource

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

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

Lake City
PHONE: 386-755-6894 FAX: 386-755-7973

BUILDER: LIPSCOMB EAGLE
LEGAL ADDRESS: LOT 31 TURKEY CREEK

DATE:	DRAWN BY:	Original Reference #:
8-12-20	KLH	2435652
		Roof Job#: 2435652

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