



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

RE: 2380539 - AMIRA BLDRS. - NICEWONGER RES.

MiTek USA, Inc.

6904 Parke East Blvd.
Tampa, FL 33610-4115

Site Information:

Customer Info: Amira Bldrs. Project Name: Nicewonger REs. Model: Custom
Lot/Block: N/A Subdivision: N/A
Address: TBD SW Wilson Springs Rd., N/A
City: Columbia Cty State: FL

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

Name: License #:
Address:
City: State:

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

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

This package includes 73 individual, Truss Design Drawings and 0 Additional Drawings.

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

No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	T20922623	CJ01	8/4/20	23	T20922645	EJ05	8/4/20
2	T20922624	CJ01D	8/4/20	24	T20922646	EJ06	8/4/20
3	T20922625	CJ01F	8/4/20	25	T20922647	HJ10	8/4/20
4	T20922626	CJ02	8/4/20	26	T20922648	HJ10A	8/4/20
5	T20922627	CJ03	8/4/20	27	T20922649	HJ10B	8/4/20
6	T20922628	CJ03B	8/4/20	28	T20922650	HJ10D	8/4/20
7	T20922629	CJ03C	8/4/20	29	T20922651	HJ11	8/4/20
8	T20922630	CJ03D	8/4/20	30	T20922652	T01	8/4/20
9	T20922631	CJ03F	8/4/20	31	T20922653	T02	8/4/20
10	T20922632	CJ04	8/4/20	32	T20922654	T03	8/4/20
11	T20922633	CJ05	8/4/20	33	T20922655	T04	8/4/20
12	T20922634	CJ05A	8/4/20	34	T20922656	T05	8/4/20
13	T20922635	CJ05B	8/4/20	35	T20922657	T06	8/4/20
14	T20922636	CJ05D	8/4/20	36	T20922658	T07	8/4/20
15	T20922637	CJ05E	8/4/20	37	T20922659	T08	8/4/20
16	T20922638	CJ05F	8/4/20	38	T20922660	T09	8/4/20
17	T20922639	CJ06	8/4/20	39	T20922661	T10	8/4/20
18	T20922640	CJ07	8/4/20	40	T20922662	T11	8/4/20
19	T20922641	EJ01	8/4/20	41	T20922663	T12	8/4/20
20	T20922642	EJ02	8/4/20	42	T20922664	T13	8/4/20
21	T20922643	EJ03	8/4/20	43	T20922665	T14	8/4/20
22	T20922644	EJ04	8/4/20	44	T20922666	T15	8/4/20

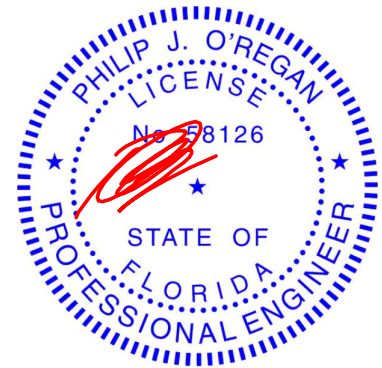


The truss drawing(s) referenced above have been prepared by MiTek USA, Inc. under my direct supervision based on the parameters provided by Builders FirstSource-Jacksonville.

Truss Design Engineer's Name: O'Regan, Philip

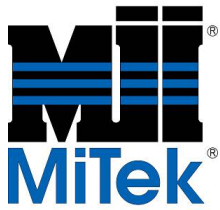
My license renewal date for the state of Florida is February 28, 2021.

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



Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

August 4, 2020



RE: 2380539 - AMIRA BLDRS. - NICEWONGER RES.

MiTek USA, Inc.

6904 Parke East Blvd.
Tampa, FL 33610-4115

Site Information:

Customer Info: Amira Bldrs. Project Name: Nicewonger REs. Model: Custom
Lot/Block: N/A Subdivision: N/A
Address: TBD SW Wilson Springs Rd., N/A
City: Columbia Cty State: FL

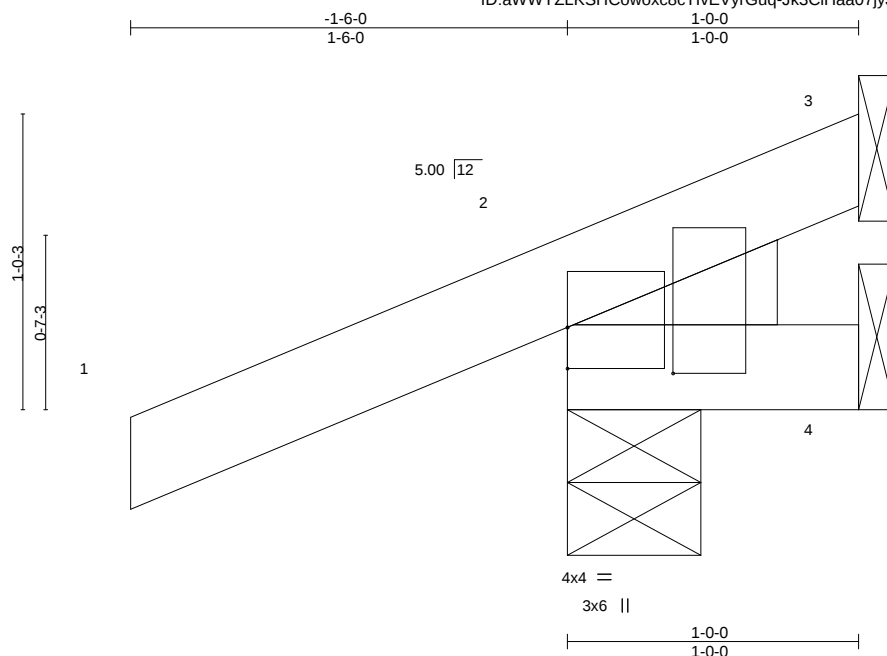
No.	Seal#	Truss Name	Date
45	T20922667	T16	8/4/20
46	T20922668	T17	8/4/20
47	T20922669	T18	8/4/20
48	T20922670	T19	8/4/20
49	T20922671	T20	8/4/20
50	T20922672	T21	8/4/20
51	T20922673	T22	8/4/20
52	T20922674	T23	8/4/20
53	T20922675	T24	8/4/20
54	T20922676	T25	8/4/20
55	T20922677	T26	8/4/20
56	T20922678	T27	8/4/20
57	T20922679	T28	8/4/20
58	T20922680	T29	8/4/20
59	T20922681	T30	8/4/20
60	T20922682	T31	8/4/20
61	T20922683	T32	8/4/20
62	T20922684	T33	8/4/20
63	T20922685	T34	8/4/20
64	T20922686	T35	8/4/20
65	T20922687	T36	8/4/20
66	T20922688	T37	8/4/20
67	T20922689	T38	8/4/20
68	T20922690	T39	8/4/20
69	T20922691	T40	8/4/20
70	T20922692	T41	8/4/20
71	T20922693	T42	8/4/20
72	T20922694	T43	8/4/20
73	T20922695	T44	8/4/20

Job 2380539	Truss CJ01	Truss Type Jack-Open	Qty 14	Ply 1	AMIRA BLDRS. - NICEWONGER RES. Job Reference (optional)	T20922623
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Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 4 12:58:28 2020 Page 1

ID: aWWYzLKSHCwoxc8cTivEVyrGuq-Jk3CiHaa07jyJZGNfUQKLv9OCAdcVq1LAAyNXLYrDYv



Scale = 1:7.9

Plate Offsets (X,Y)-- [2:0-0-0,0-1-11], [2:0-1-14,0-4-6]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.16	Vert(LL)	0.00	5	>999	240	MT20
TCDL 7.0	Lumber DOL	1.25	BC 0.01	Vert(CT)	0.00	5	>999	180	244/190
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	-0.00	2	n/a	n/a	
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MP						
								Weight: 7 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2

BOT CHORD 2x4 SP No.2

WEDGE

Left: 2x4 SP No.3

BRACING-

TOP CHORD

Structural wood sheathing directly applied or 1-0-0 oc purlins.

BOT CHORD

Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 3=Mechanical, 2=0-5-8, 4=Mechanical

Max Horz 2=46(LC 8)

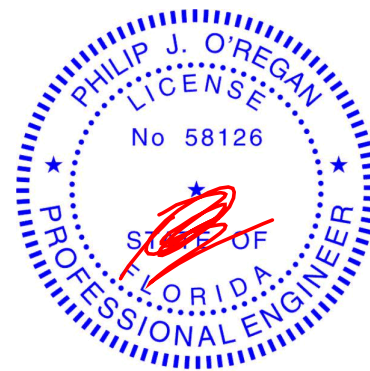
Max Uplift 3=8(LC 1), 2=-116(LC 8), 4=-16(LC 1)

Max Grav 3=12(LC 8), 2=179(LC 1), 4=20(LC 8)

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

NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4 except (jt=lb) 2=116.



Philip J. O'Regan PE No.58126
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6904 Parke East Blvd. Tampa FL 33610
Date:

August 4,2020

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

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



6904 Parke East Blvd.
Tampa, FL 36610

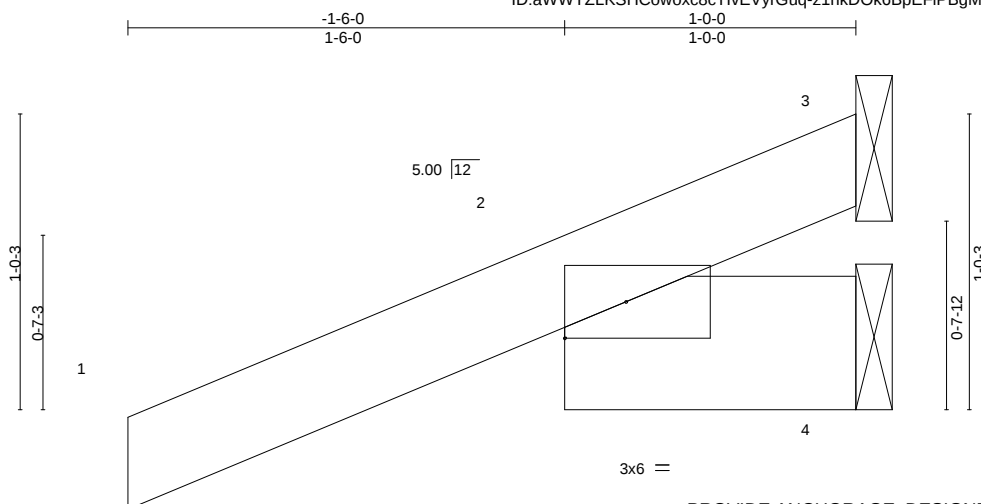
Job 2380539	Truss CJ01D	Truss Type Jack-Open	Qty 3	Ply 1	AMIRA BLDRS. - NICEWONGER RES. Job Reference (optional)	T20922624
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Builders FirstSource,

Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 4 12:58:40 2020 Page 1

ID:aWWYZLKSHCowoxc8cTlVvYrGuq-z1nkDok6BpEFIPBgM0e9qReSB?ibJF?6w2SPyfyDYj



Scale = 1:7.9

PROVIDE ANCHORAGE, DESIGNED BY OTHERS,
AT BEARINGS TO RESIST MAX. UPLIFT
AND MAX HORZ. REACTIONS
SPECIFIED BELOW.

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.16	Vert(LL)	0.00	7	n/r	120	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.07	Vert(CT)	-0.00	7	n/r	120		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	0.00		n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MP						Weight: 7 lb	FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS.

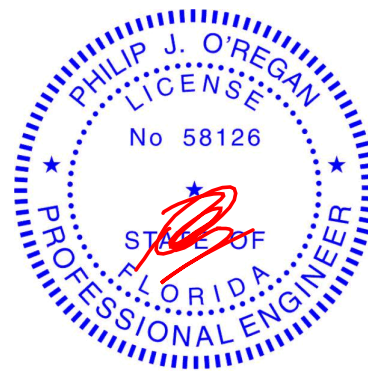
(size) 3=Mechanical, 4=Mechanical
Max Horz 3=284(LC 1), 4=-284(LC 1)
Max Uplift 3=-97(LC 8), 4=-11(LC 8)
Max Grav 3=135(LC 1), 4=25(LC 3)

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

TOP CHORD 2-3=-455/313
BOT CHORD 2-4=-284/493

NOTES-

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



Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

August 4,2020

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



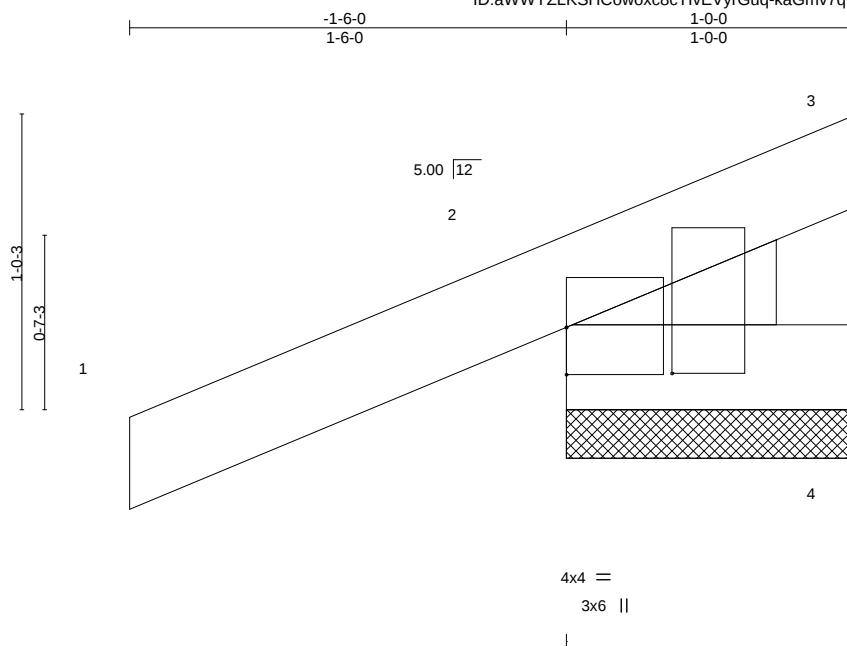
6904 Parke East Blvd.
Tampa, FL 36610

Job 2380539	Truss CJ01F	Truss Type Jack-Open Supported Gable	Qty 1	Ply 1	AMIRA BLDRS. - NICEWONGER RES. Job Reference (optional)	T20922625
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Builders FirstSource, Jacksonville, FL - 32244,

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ID:aWWYZLKSHCowoxc8cTivEVyrGuq-kaGmv7q7JGE6jeoDqhn197_pTERLbt_lmHOqEBYrDYb



Scale = 1:7.9

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

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.14	Vert(LL)	0.00	1	n/r	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.01	Vert(CT)	0.00	1	n/r		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	-0.00	3	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-P					Weight: 7 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2

BOT CHORD 2x4 SP No.2

WEDGE

Left: 2x4 SP No.3

BRACING-

TOP CHORD

Structural wood sheathing directly applied or 1-0-0 oc purlins.

BOT CHORD

Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

(size) 3=1-0-0, 2=1-0-0, 4=1-0-0

Max Horz 2=48(LC 12)

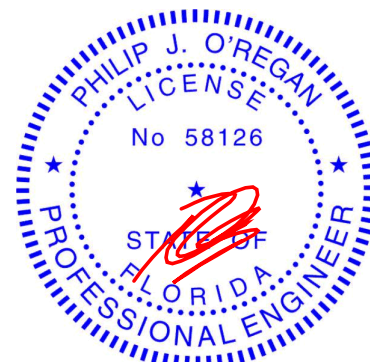
Max Uplift 3=-34(LC 1), 2=-117(LC 8)

Max Grav 3=29(LC 8), 2=179(LC 1), 4=20(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) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 3) Gable requires continuous bottom chord bearing.
- 4) Gable studs spaced at 2-0-0 oc.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3 except (jt=lb) 2=117.



Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

August 4,2020

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6904 Parke East Blvd.
Tampa, FL 36610

Job 2380539	Truss CJ02	Truss Type Jack-Open	Qty 1	Ply 1	AMIRA BLDRS. - NICEWONGER RES. Job Reference (optional)	T20922626
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Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 4 12:59:01 2020 Page 1
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1-6-0
1-9-7
1-9-7

Scale = 1:9.6

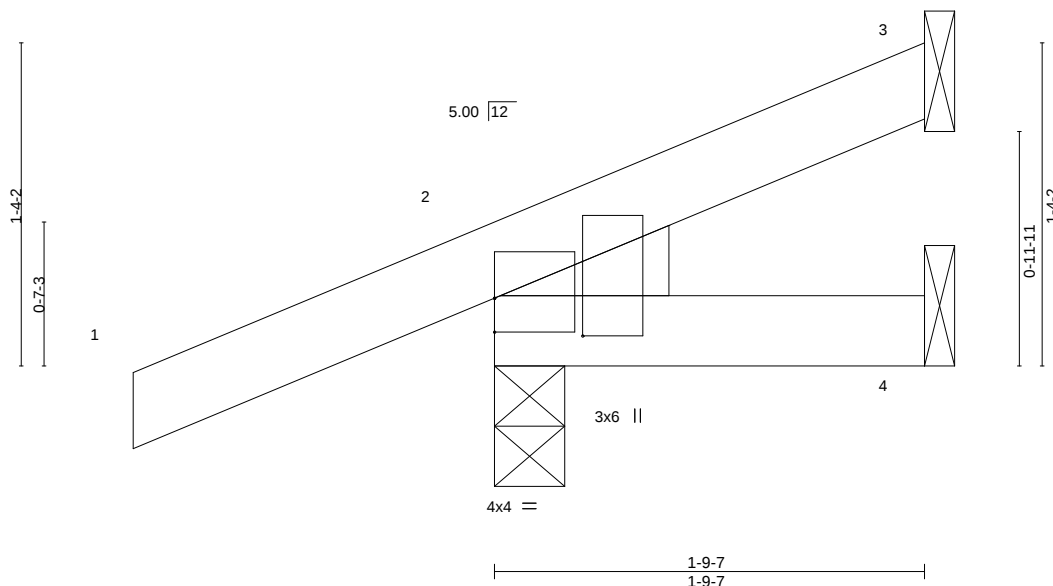


Plate Offsets (X,Y)-- [2:0-0-0,0-1-11], [2:0-1-14,0-4-6]									
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d		PLATES GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.16	Vert(LL)	-0.00 7 >999	240	MT20
TCDL	7.0	Lumber DOL	1.25	BC	0.03	Vert(CT)	-0.00 7 >999	180	
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00 2 n/a	n/a	
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP					
						Weight: 9 lb		FT = 20%	

LUMBER-

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

BRACING-

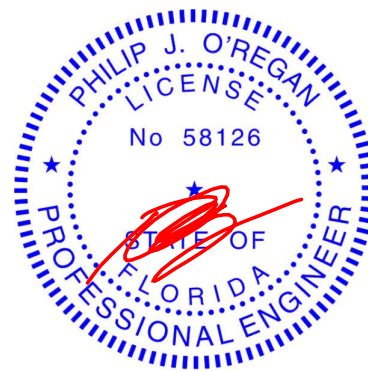
TOP CHORD Structural wood sheathing directly applied or 1-9-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=62(LC 12)
Max Uplift 3=-23(LC 12), 2=-121(LC 8), 4=-15(LC 9)
Max Grav 3=23(LC 1), 2=181(LC 1), 4=25(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 100 lb uplift at joint(s) 3, 4 except (jt=lb) 2=121.



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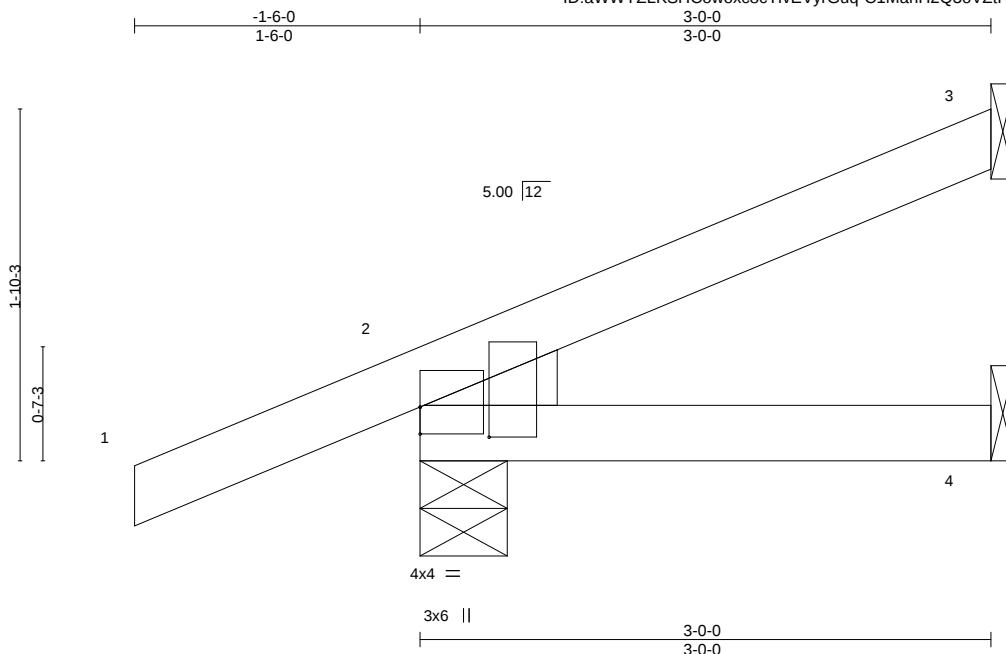


6904 Parke East Blvd.
Tampa, FL 36610

Job 2380539	Truss CJ03	Truss Type Jack-Open	Qty 10	Ply 1	AMIRA BLDRS. - NICEWONGER RES. Job Reference (optional)	T20922627
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8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 4 12:59:06 2020 Page 1
ID:aWWYZLKSHCwoxc8cTivEVyrGuq-C1MahH2Q3oVZtPAgtT5FuwjudUacP0Rxx4Int8yrDYJ



Scale: 1"=1'

Plate Offsets (X,Y)--		[2:0-0-0,0-1-11], [2:0-1-14,0-4-6]							
LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in (loc)	I/defl	L/d
TCLL	20.0	Plate Grip DOL	1.25	TC	0.16	Vert(LL)	-0.00	4-7	>999
TCDL	7.0	Lumber DOL	1.25	BC	0.07	Vert(CT)	-0.01	4-7	>999
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-MP					
								PLATES	GRIP
								MT20	244/190
								Weight: 13 lb	FT = 20%

LUMBER-

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

BRACING-

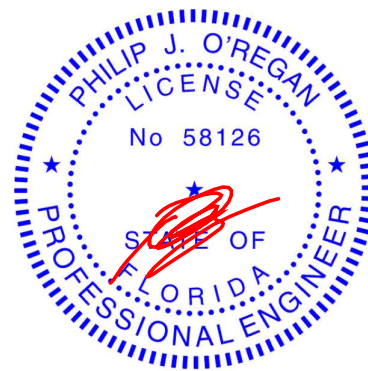
TOP CHORD Structural wood sheathing directly applied or 3-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 3=Mechanical, 2=0-5-8, 4=Mechanical
Max Horz 2=86(LC 12)
Max Uplift 3=-51(LC 12), 2=-98(LC 8), 4=-5(LC 12)
Max Grav 3=58(LC 1), 2=210(LC 1), 4=49(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 100 lb uplift at joint(s) 3, 2, 4.



Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

August 4,2020

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



6904 Parke East Blvd.
Tampa, FL 36610

Job 2380539	Truss CJ03B	Truss Type Jack-Open	Qty 3	Ply 1	AMIRA BLDRS. - NICEWONGER RES. Job Reference (optional)	T20922628
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Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 4 12:59:09 2020 Page 1
ID:aWWYZLKSHCowoxc8CtIvEVyrGuq-cc1iJl4IMju7ksvFYbfyWYLPshbxcNANb2_SUTyrDYG

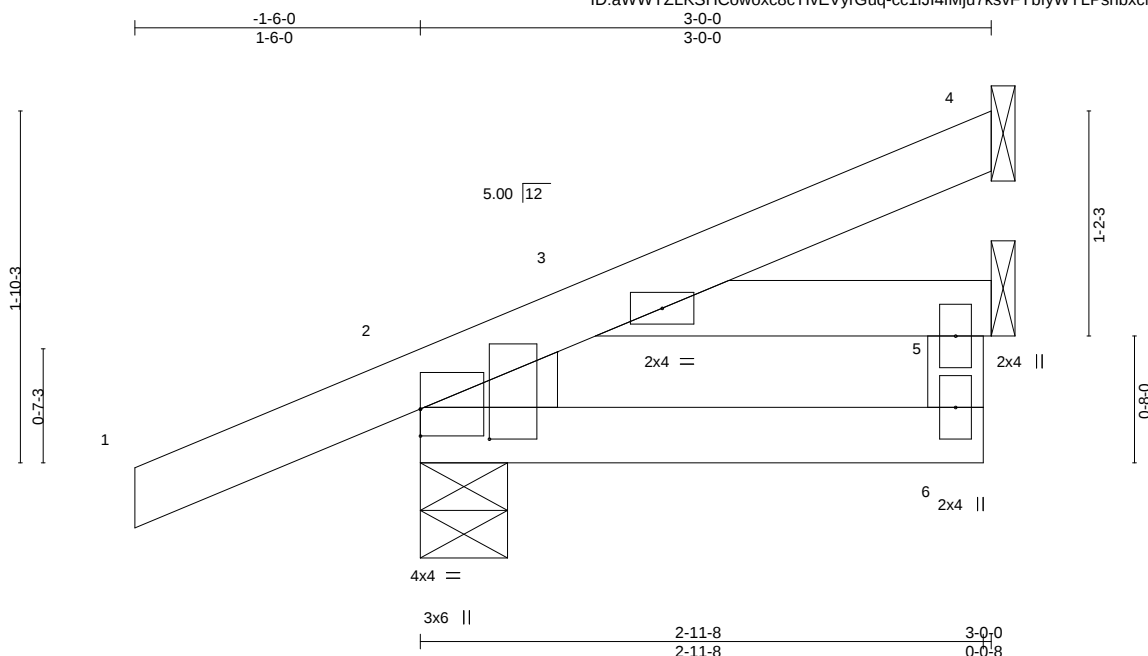


Plate Offsets (X,Y)--		[2:0-0-0,0-1-11], [2:0-1-14,0-4-6]									
LOADING	(psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC 0.16	Vert(LL)	-0.00	9	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC 0.09	Vert(CT)	-0.00	9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	0.00	5	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 *Except*
5-6: 2x4 SP No.3

WEDGE
Left: 2x4 SP No.3

BRACING-

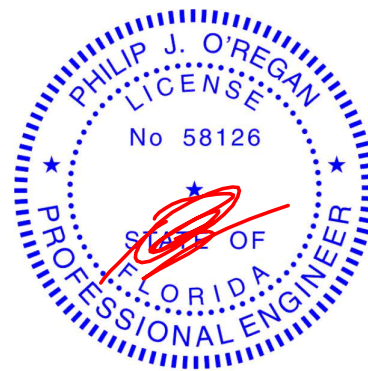
TOP CHORD Structural wood sheathing directly applied or 3-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=Mechanical, 2=0-5-8, 5=Mechanical
Max Horz 2=86(LC 12)
Max Uplift 4=-32(LC 12), 2=-94(LC 8), 5=-19(LC 12)
Max Grav 4=38(LC 1), 2=221(LC 1), 5=108(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 100 lb uplift at joint(s) 4, 2, 5.



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Date:

August 4,2020

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6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	AMIRA BLDRS. - NICEWONGER RES.	T20922629
2380539	CJ03C	Jack-Open	1	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 4 12:59:15 2020 Page 1

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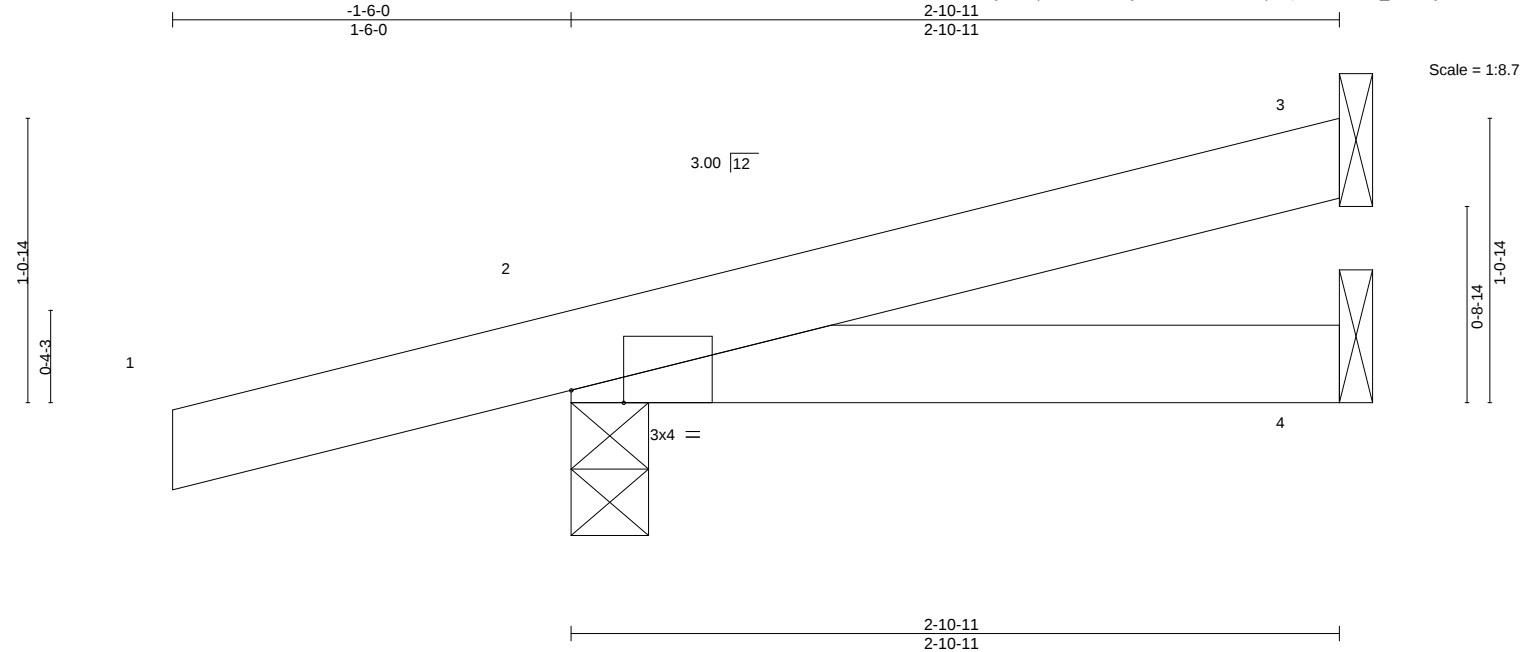


Plate Offsets (X,Y)--		[2:0-2-6,Edge]		2-10-11		2-10-11	
LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in (loc) l/defl L/d
TCLL 20.0		Plate Grip DOL	1.25	TC 0.14		Vert(LL) 0.01	4-7 >999 240
TCDL 7.0		Lumber DOL	1.25	BC 0.08		Vert(CT) 0.01	4-7 >999 180
BCLL 0.0 *		Rep Stress Incr	YES	WB 0.00		Horz(CT) -0.00	3 n/a n/a
BCDL 10.0		Code FBC2017/TPI2014		Matrix-MP			
						PLATES	GRIP
						MT20	244/190
						Weight: 11 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 2-10-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

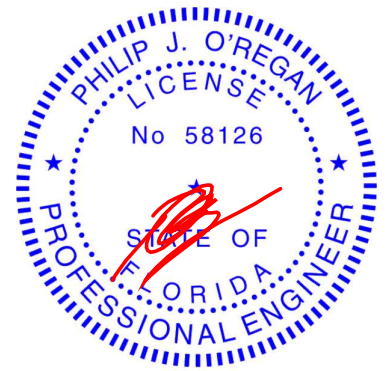
REACTIONS.

(size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=59(LC 8)
Max Uplift 3=-41(LC 8), 2=-185(LC 8), 4=-24(LC 9)
Max Grav 3=54(LC 1), 2=207(LC 1), 4=45(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 100 lb uplift at joint(s) 3, 4 except (jt=lb) 2=185.



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Date:

August 4,2020

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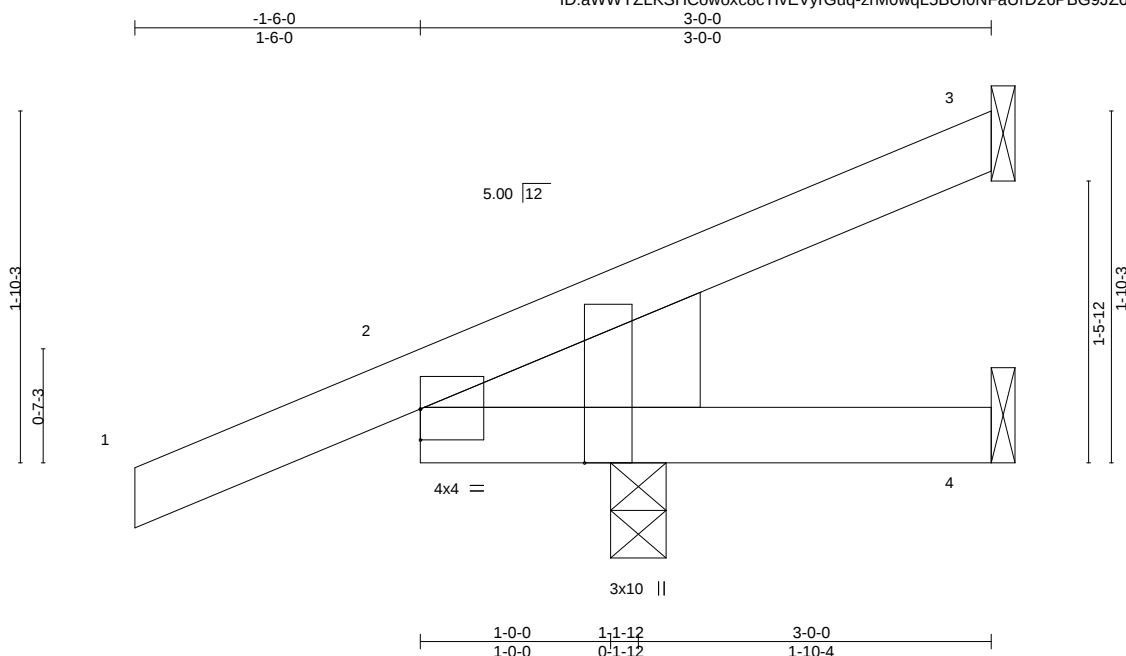


6904 Parke East Blvd.
Tampa, FL 36610

Job 2380539	Truss CJ03D	Truss Type Jack-Open	Qty 4	Ply 1	AMIRA BLDRS. - NICEWONGER RES. Job Reference (optional)	T20922630
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Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 4 12:59:31 2020 Page 1
ID:aWWYZLKSHCowoxc8cTivEVyrGuq-zrM0wqL5BUf0NFaUrD26PBG9JZ6mmKddfTJcECyrDXw



Scale: 1"=1'

Plate Offsets (X,Y)--	[2:0-0-0,0-1-15], [2:0-3-6,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 0.16	Vert(LL)	-0.01	5	>999	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.11	Vert(CT)	-0.01	5	>999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	-0.00	3	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MP					Weight: 16 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEDGE
Left: 2x8 SP 2400F 2.0E

BRACING-

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

REACTIONS.

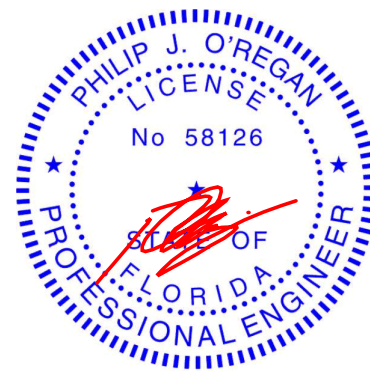
(size) 3=Mechanical, 4=Mechanical, 2=0-3-8
Max Horz 2=86(LC 12)
Max Uplift 3=-20(LC 12), 4=-21(LC 1), 2=-200(LC 8)
Max Grav 3=3(LC 17), 4=23(LC 16), 2=319(LC 1)

FORCES.

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

NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4 except (jt=lb) 2=200.



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

August 4,2020

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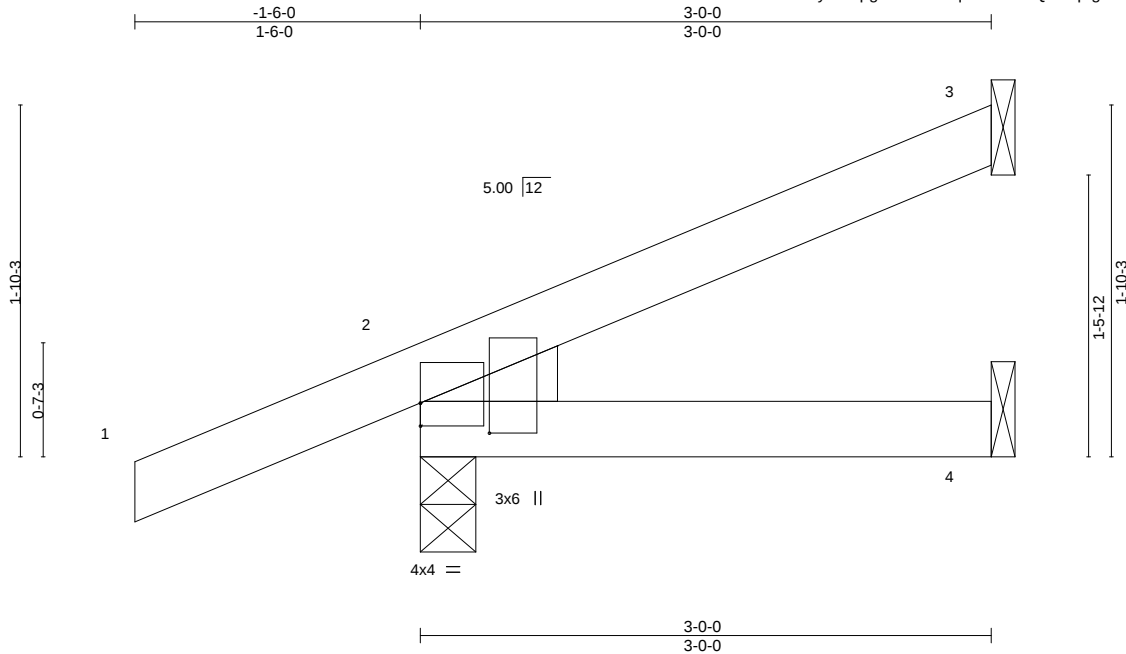


6904 Parke East Blvd.
Tampa, FL 36610

Job 2380539	Truss CJ03F	Truss Type Jack-Open	Qty 1	Ply 1	AMIRA BLDRS. - NICEWONGER RES. Job Reference (optional)	T20922631
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Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 4 12:59:41 2020 Page 1
ID: aWWWYKSHCOWoxc8cTlVEVyrGuq-gmzo1ETNqYwbanLPQJESplgtbnWA6r55y1k8bdyrDXm



Scale: 1"=1'

Plate Offsets (X,Y)-- [2:0-0-0,0-1-7], [2:0-1-14,0-4-6]												
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d			PLATES	GRIP		
TCLL	20.0	Plate Grip DOL	1.25	TC	0.16	Vert(LL)	0.01	4-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.11	Vert(CT)	-0.01	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 13 lb	FT = 20%

LUMBER-

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

BRACING-

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

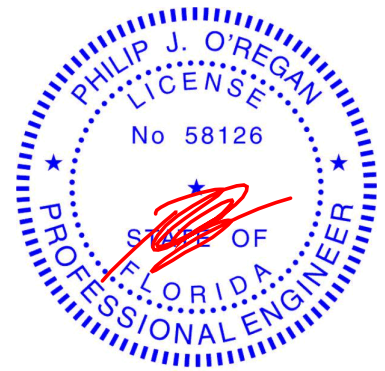
REACTIONS.

(size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=86(LC 12)
Max Uplift 3=51(LC 12), 2=-132(LC 8), 4=-28(LC 9)
Max Grav 3=58(LC 1), 2=210(LC 1), 4=49(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 100 lb uplift at joint(s) 3, 4 except (jt=lb) 2=132.



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Date:

August 4,2020

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6904 Parke East Blvd.
Tampa, FL 36610

Job 2380539	Truss CJ04	Truss Type Jack-Open	Qty 1	Ply 1	AMIRA BLDRS. - NICEWONGER RES. Job Reference (optional)	T20922632
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Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 4 12:59:53 2020 Page 1
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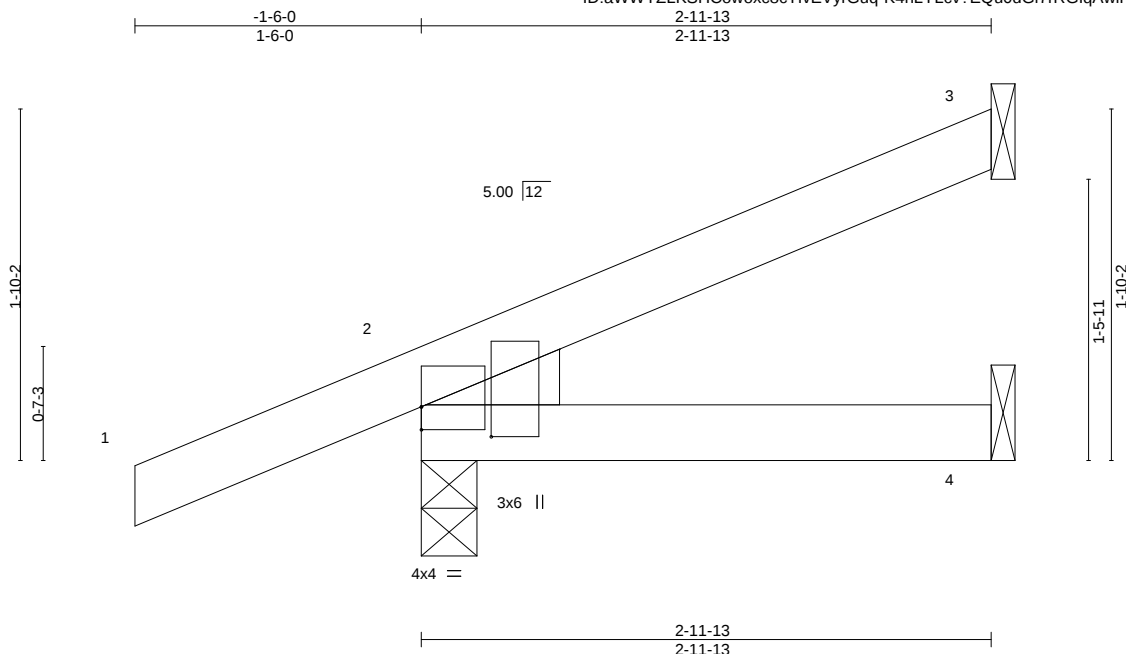


Plate Offsets (X,Y)--	[2:0-0-0,0-1-7], [2:0-1-14,0-4-6]								
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.16	Vert(LL)	0.01 4-7	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.11	Vert(CT)	-0.01 4-7	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	-0.00 3	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MP					Weight: 13 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 2-11-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

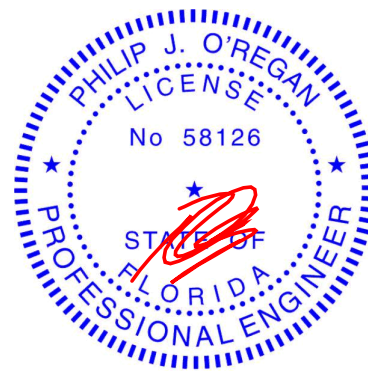
REACTIONS.

(size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=85(LC 12)
Max Uplift 3=-51(LC 12), 2=-132(LC 8), 4=-28(LC 9)
Max Grav 3=58(LC 1), 2=210(LC 1), 4=48(LC 3)

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

NOTES-

- 1) Wind: ASCE 7-10; 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 100 lb uplift at joint(s) 3, 4 except (jt=lb) 2=132.



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

August 4,2020

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6904 Parke East Blvd.
Tampa, FL 36610

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Tampa, FL 36610

Job 2380539	Truss CJ05A	Truss Type Jack-Open	Qty 1	Ply 1	AMIRA BLDRS. - NICEWONGER RES. Job Reference (optional)	T20922634
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Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 4 12:59:59 2020 Page 1

ID:aWWYZLKSHCowoxc8cTivEVyrGuq-9E3cpOhgb4B1kYjsU5YgX5Qxhrcok_Zk5q55EayrDXU

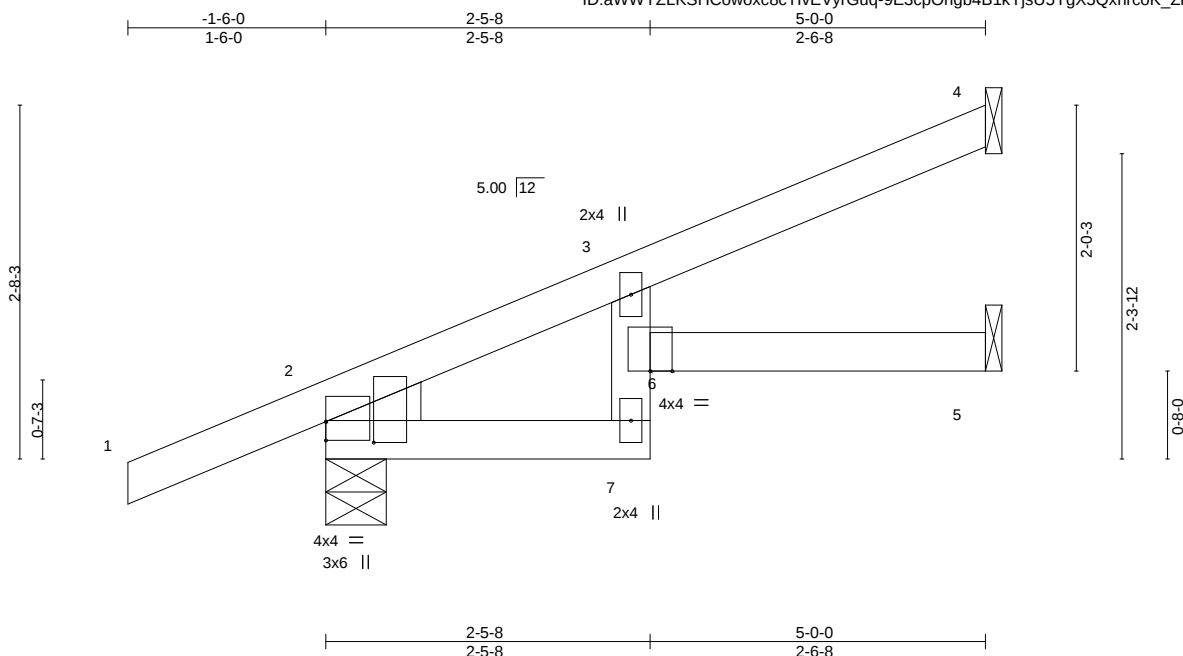


Plate Offsets (X,Y)--		[2:0-0-0,0-1-11], [2:0-1-14,0-4-6]								
LOADING	(psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC 0.20	Vert(LL)	0.04 5-6	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC 0.28	Vert(CT)	-0.04 5-6	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	0.01 5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MR					Weight: 21 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
3-7: 2x4 SP No.3

WEDGE

Left: 2x4 SP No.3

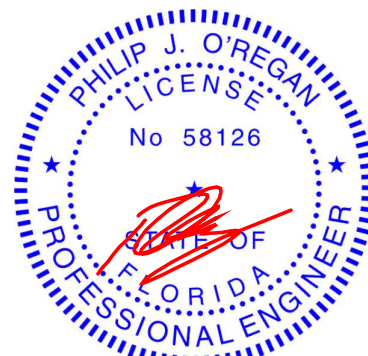
REACTIONS.

(size) 4=Mechanical, 2=0-5-8, 5=Mechanical
Max Horz 2=126(LC 12)
Max Uplift 4=-78(LC 12), 2=-115(LC 12), 5=-26(LC 12)
Max Grav 4=99(LC 1), 2=276(LC 1), 5=82(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 100 lb uplift at joint(s) 4, 5 except (jt=lb) 2=115.



Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

August 4,2020

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



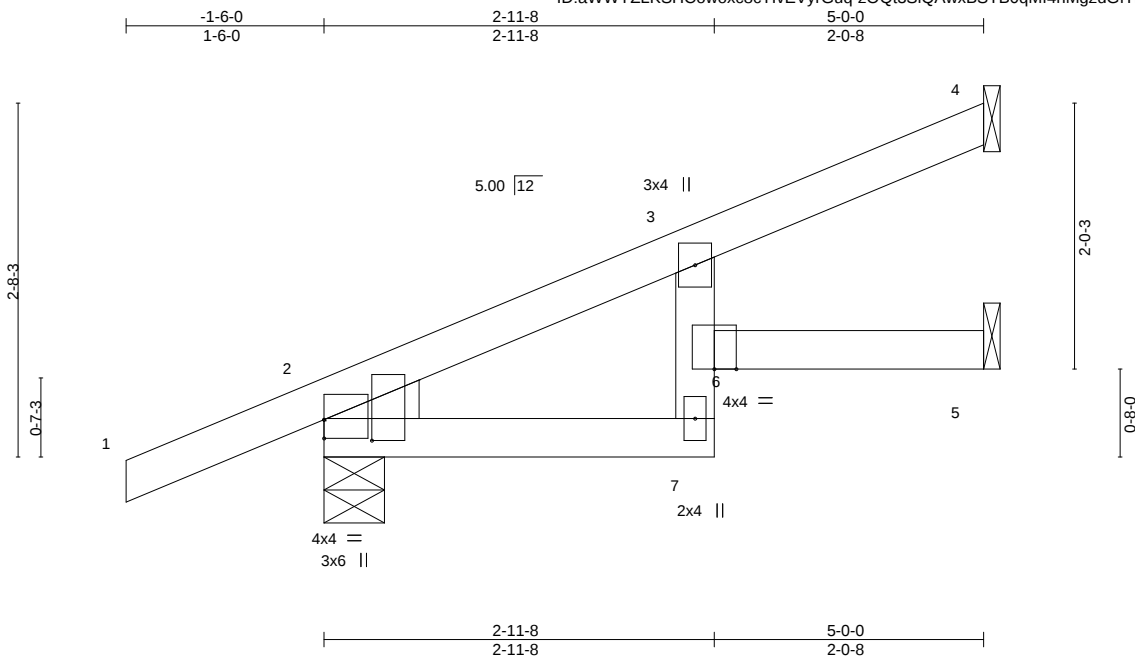
6904 Parke East Blvd.
Tampa, FL 36610

Job 2380539	Truss CJ05B	Truss Type Jack-Open	Qty 3	Ply 1	AMIRA BLDRS. - NICEWONGER RES. Job Reference (optional)	T20922635
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Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 4 13:00:05 2020 Page 1

ID:aWWYZLKSHCowoxc8cTlvEVyrGuq-zOQt3SIQAwxBSTB0qMf4nMgzdGfTki2dTmYPREyrDXO



Scale = 1:17.5

Plate Offsets (X,Y)-- [2:0-0-0,0-1-11], [2:0-1-14,0-4-6]												
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d			PLATES	GRIP		
TCLL	20.0	Plate Grip DOL	1.25	TC	0.17	Vert(LL)	0.03	6	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.26	Vert(CT)	-0.03	5-6	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MR							Weight: 21 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
3-7: 2x4 SP No.3

WEDGE

Left: 2x4 SP No.3

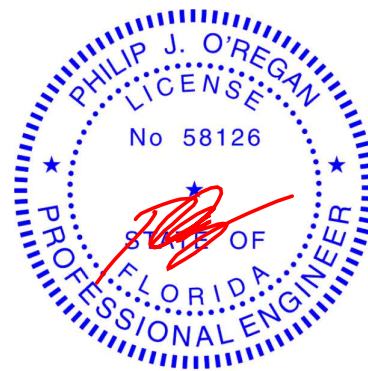
REACTIONS.

(size) 4=Mechanical, 2=0-5-8, 5=Mechanical
Max Horz 2=126(LC 12)
Max Uplift 4=70(LC 12), 2=115(LC 12), 5=33(LC 12)
Max Grav 4=93(LC 1), 2=276(LC 1), 5=82(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 100 lb uplift at joint(s) 4, 5 except (jt=lb) 2=115.



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6904 Parke East Blvd. Tampa FL 33610
Date:

August 4,2020

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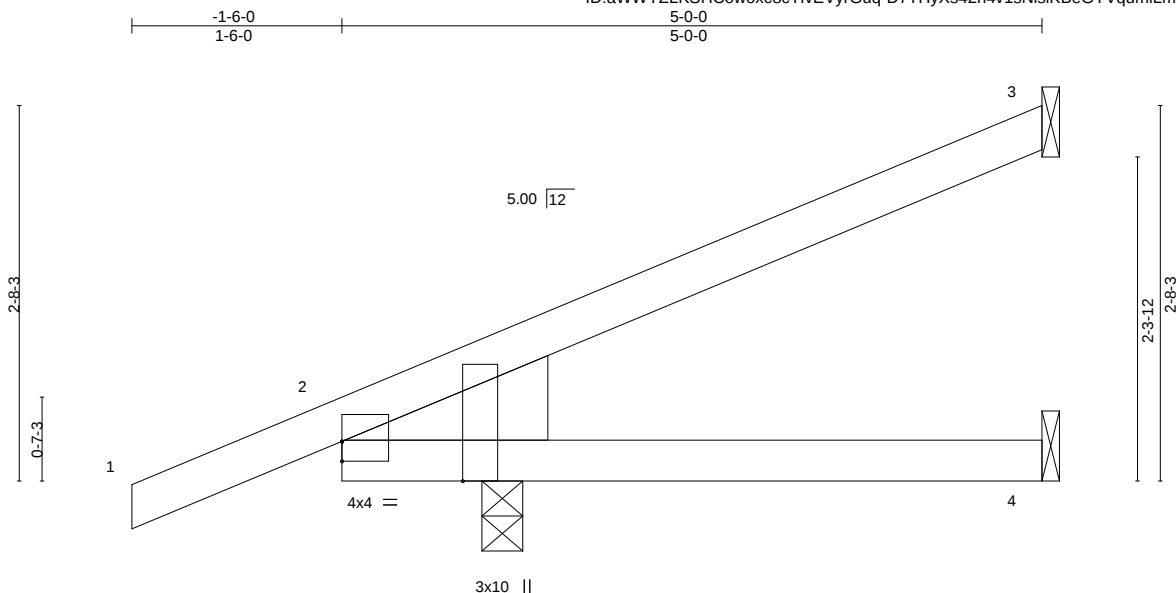
6904 Parke East Blvd.
Tampa, FL 36610

Job 2380539	Truss CJ05D	Truss Type Jack-Open	Qty 2	Ply 1	AMIRA BLDRS. - NICEWONGER RES. Job Reference (optional)	T20922636
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Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 4 13:00:14 2020 Page 1

ID:aWWYZLKSHCOWoxc8cTivEVyrGuq-D7THyXs42h4v1sNlsIKBeGYVqumILmGyYgDOGCYrDXF



Scale = 1:16.5

Plate Offsets (X,Y)--	[2:0-0-0,0-1-11], [2:0-3-6,Edge]
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.20	Vert(LL)	0.03	4-9	>999	240	MT20
TCDL 7.0	Lumber DOL	1.25	BC 0.19	Vert(CT)	0.03	4-9	>999	180	244/190
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	-0.01	3	n/a	n/a	
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MP						
								Weight: 23 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2

BOT CHORD 2x4 SP No.2

WEDGE

Left: 2x8 SP 2400F 2.0E

BRACING-

TOP CHORD

Structural wood sheathing directly applied or 5-0-0 oc purlins.

BOT CHORD

Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

(size) 3=Mechanical, 4=Mechanical, 2=0-3-8

Max Horz 2=126(LC 12)

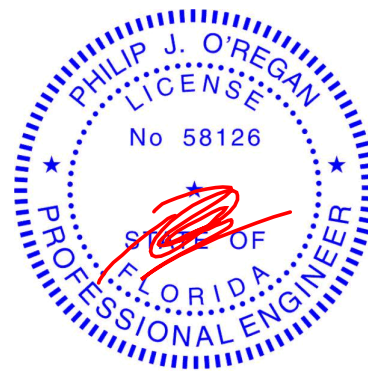
Max Uplift 3=73(LC 12), 4=36(LC 9), 2=204(LC 8)

Max Grav 3=73(LC 1), 4=63(LC 3), 2=346(LC 1)

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

NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4 except (jt=lb) 2=204.



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6904 Parke East Blvd. Tampa FL 33610
Date:

August 4,2020

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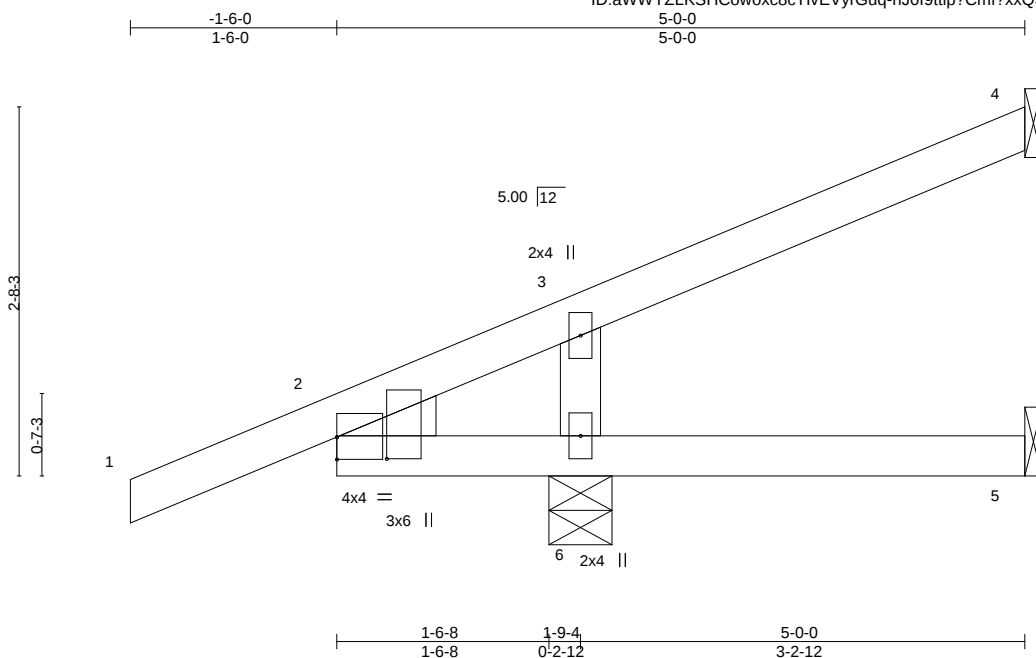


6904 Parke East Blvd.
Tampa, FL 36610

Job 2380539	Truss CJ05E	Truss Type Jack-Open	Qty 1	Ply 1	AMIRA BLDRS. - NICEWONGER RES. Job Reference (optional)	T20922637
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Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 4 13:00:15 2020 Page 1
ID:aWWYZLKSHCowoxc8cTlVvYrGuq-hJ0f9ttip?Cmf?xxQSRqBT4eSI3T4Cy5mJzxoeyrDXE



Scale = 1:16.7

Plate Offsets (X,Y)--	[2:0-0-0,0-1-15], [2:0-1-14,0-4-6]					
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	L/defl
TCLL 20.0	Plate Grip DOL	1.25	TC 0.34	Vert(LL)	0.01	5-6 >999
TCDL 7.0	Lumber DOL	1.25	BC 0.34	Vert(CT)	0.02	5-6 >999
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.10	Horz(CT)	-0.05	4 n/a
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MP			
				PLATES	GRIP	
				MT20	244/190	
				Weight: 20 lb	FT = 20%	

LUMBER-

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

BRACING-

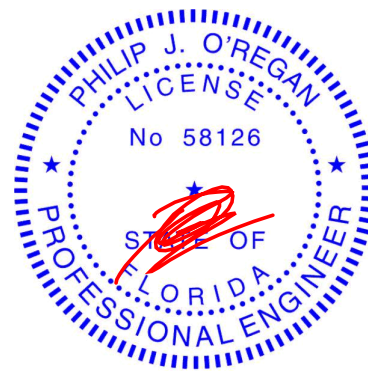
TOP CHORD Structural wood sheathing directly applied or 5-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=Mechanical, 5=Mechanical, 6=0-5-8
Max Horz 6=126(LC 12)
Max Uplift 4=-55(LC 12), 5=-25(LC 20), 6=-254(LC 8)
Max Grav 4=31(LC 1), 5=37(LC 3), 6=430(LC 1)

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

NOTES-

- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 5 except (jt=lb) 6=254.



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6904 Parke East Blvd. Tampa FL 33610
Date:

August 4,2020

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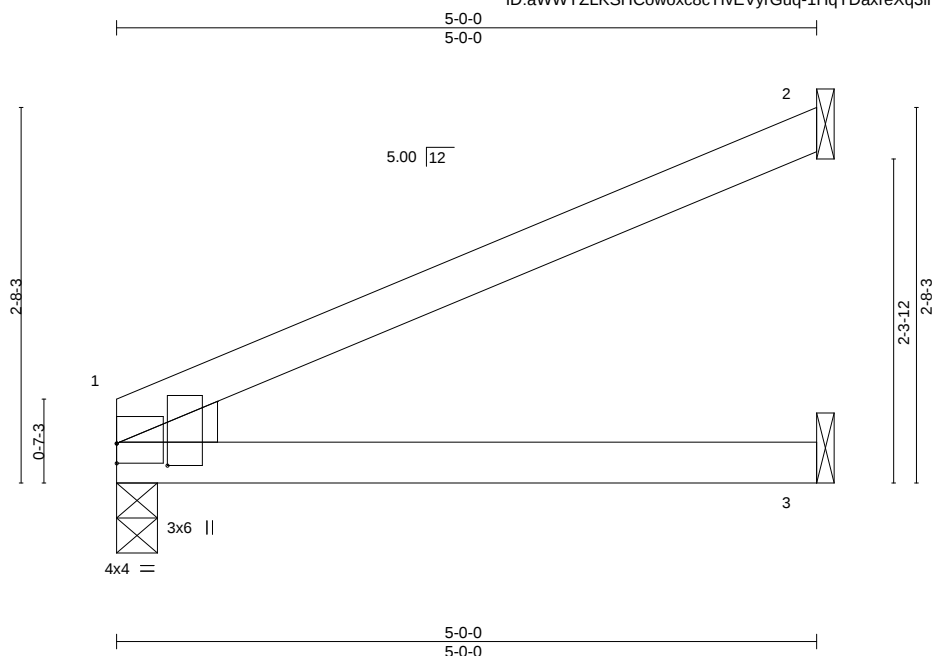


6904 Parke East Blvd.
Tampa, FL 36610

Job 2380539	Truss CJ05F	Truss Type Jack-Open	Qty 1	Ply 1	AMIRA BLDRS. - NICEWONGER RES. Job Reference (optional)	T20922638
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Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 4 13:00:20 2020 Page 1
ID: aWWYZLKSHCowoxc8cTlvEVyrGuq-1HqYDaxreXq3InquC0QbuXoTsJIVIUlwbgITsyrdX9



Scale = 1:16.5

Plate Offsets (X,Y)--	[1:0-0-0,0-1-11], [1:0-1-14,0-4-6]					
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	L/defl
TCLL 20.0	Plate Grip DOL	1.25	TC 0.42	Vert(LL)	0.10	3-6 >596
TCDL 7.0	Lumber DOL	1.25	BC 0.42	Vert(CT)	0.09	3-6 >683
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	-0.02	2 n/a
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MP			n/a
				PLATES		GRIP
				MT20		244/190
				Weight: 17 lb		FT = 20%

LUMBER-

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

BRACING-

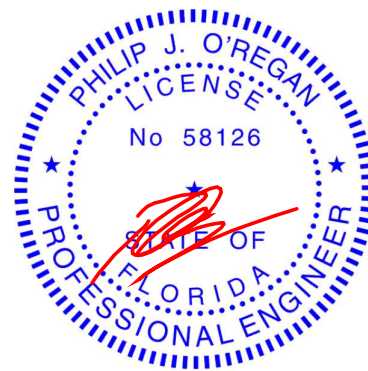
TOP CHORD Structural wood sheathing directly applied or 5-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=Mechanical, 3=Mechanical, 1=0-3-8
Max Horz 1=100(LC 12)
Max Uplift 2=-99(LC 12), 3=-52(LC 8), 1=-89(LC 8)
Max Grav 2=117(LC 1), 3=89(LC 3), 1=183(LC 1)

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

NOTES-

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



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6904 Parke East Blvd. Tampa FL 33610
Date:

August 4,2020

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



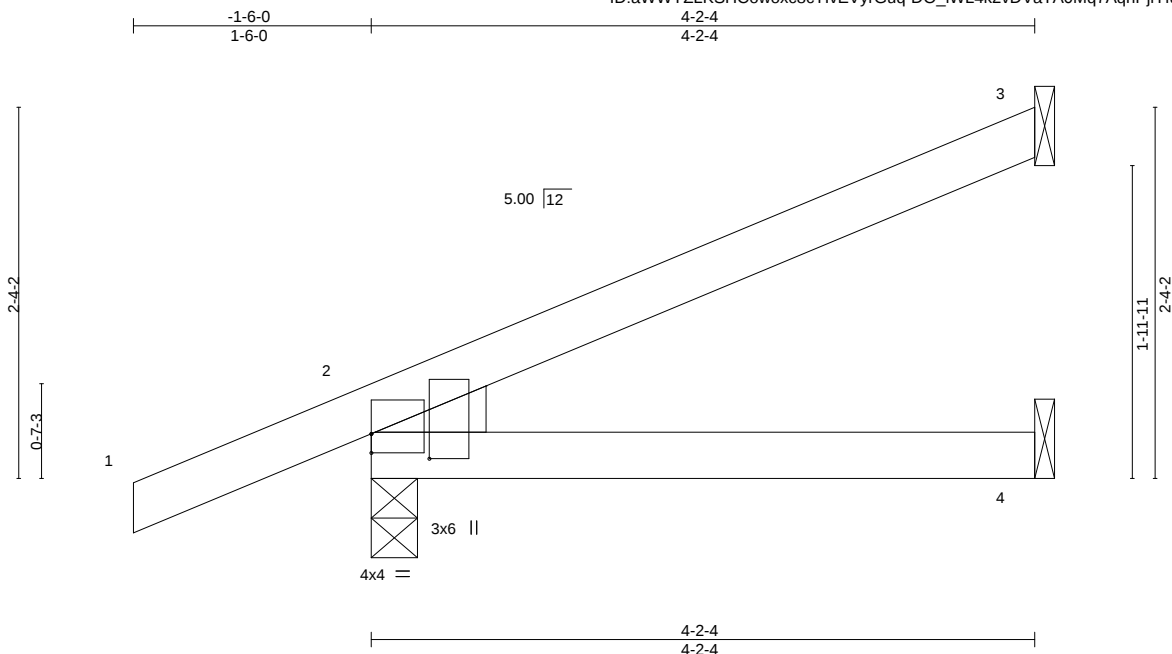
6904 Parke East Blvd.
Tampa, FL 36610

Job 2380539	Truss CJ06	Truss Type Jack-Open	Qty 1	Ply 1	AMIRA BLDRS. - NICEWONGER RES. Job Reference (optional)	T20922639
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Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 4 13:00:31 2020 Page 1

ID:aWWYZLKSHCOWoxc8cTivEVyrGuq-DO_iWL4k2vDvaTA0Mq7AqriPjiYfqSUSSprnMjyrDX_



Scale = 1:14.5

Plate Offsets (X,Y)-- [2:0-0-0,0-1-7], [2:0-1-14,0-4-6]																			
LOADING (psf)		SPACING-		2-0-0		CSI.		DEFL.		in (loc)		l/defl		L/d		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL		1.25		TC 0.25		Vert(LL)		0.04 4-7		>999		240		MT20		244/190	
TCDL	7.0	Lumber DOL		1.25		BC 0.25		Vert(CT)		0.04 4-7		>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-MP										Weight: 17 lb		FT = 20%	

LUMBER-

TOP CHORD 2x4 SP No.2

BOT CHORD 2x4 SP No.2

WEDGE

Left: 2x4 SP No.3

BRACING-

TOP CHORD

Structural wood sheathing directly applied or 4-2-4 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=110(LC 12)

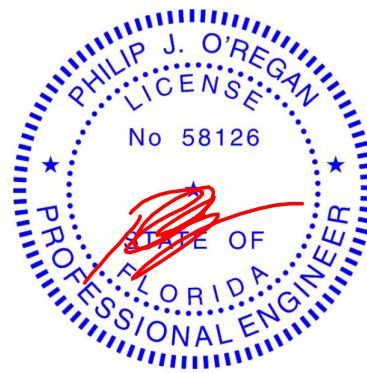
Max Uplift 3=-77(LC 12), 2=-149(LC 8), 4=-40(LC 3)

Max Grav 3=90(LC 1), 2=248(LC 1), 4=71(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 100 lb uplift at joint(s) 3, 4 except (jt=lb) 2=149.



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

August 4,2020

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



6904 Parke East Blvd.
Tampa, FL 36610

Job 2380539	Truss EJ03	Truss Type Jack-Partial	Qty 6	Ply 1	AMIRA BLDRS. - NICEWONGER RES. T20922643
Job Reference (optional)					

Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 4 13:00:41 2020 Page 1

ID:aWWYZLKSHCwoxc8cTivEVyrGuq-wJbUdmB0h_T4m?xxxwJXEXy92DnsWA_ywIMGJi8yrDWq

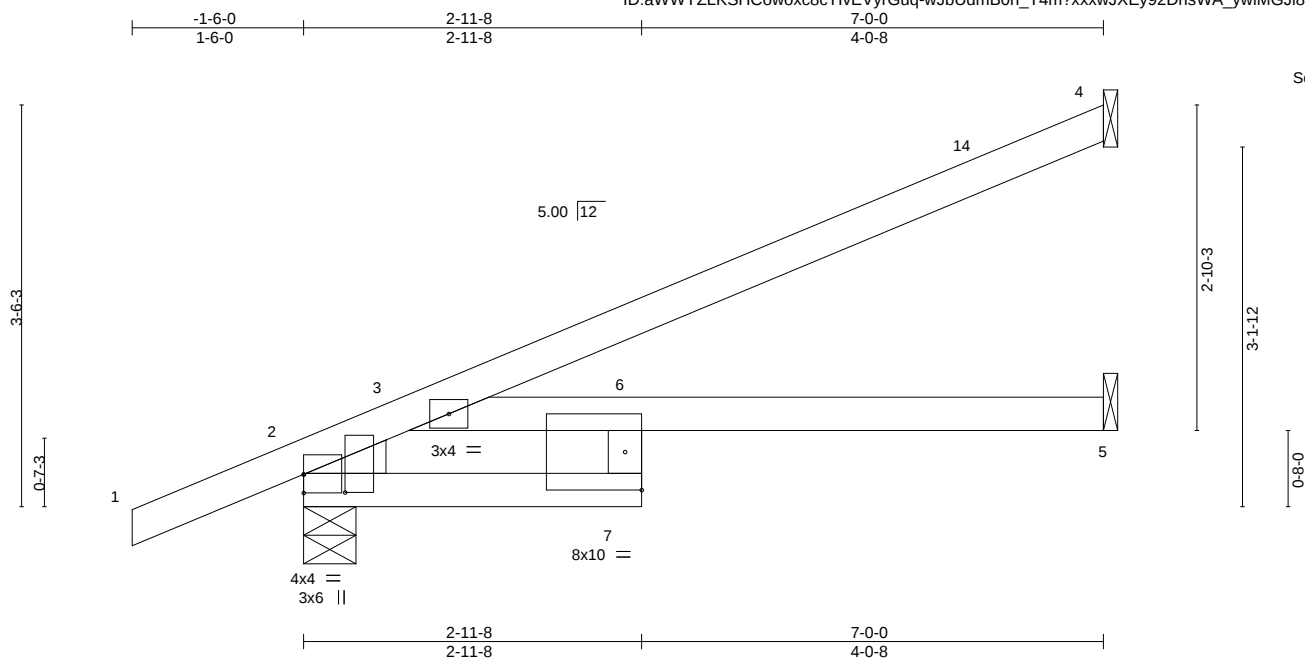


Plate Offsets (X,Y)--		[2:0-0-0,0-1-15], [2:0-1-14,0-4-6], [6:0-1-12,0-0-0], [7:0-1-12,0-0-0]	
LOADING (psf)	SPACING-	2-0-0	CSI.
TCLL 20.0	Plate Grip DOL	1.25	TC 0.51
TCDL 7.0	Lumber DOL	1.25	BC 0.67
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MR
			DEFL.
			in (loc) l/defl L/d
			Vert(LL) 0.15 5-6 >553 240
			Vert(CT) -0.22 5-6 >376 180
			Horz(CT) 0.05 5 n/a n/a
			PLATES GRIP
			MT20 244/190
			Weight: 29 lb FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
6-7: 2x4 SP No.3

WEDGE
Left: 2x4 SP No.3

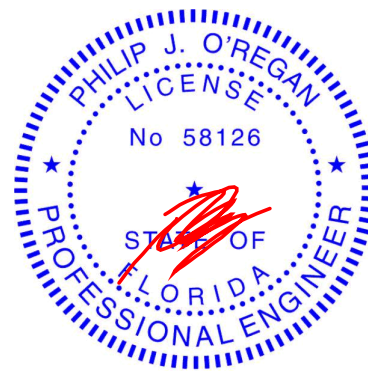
REACTIONS. (size) 4=Mechanical, 2=0-5-8, 5=Mechanical
Max Horz 2=161(LC 12)
Max Uplift 4=-105(LC 12), 2=-132(LC 12), 5=-25(LC 12)
Max Grav 4=150(LC 1), 2=374(LC 1), 5=140(LC 3)

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

TOP CHORD 3-9=-369/177
BOT CHORD 2-7=-315/309, 3-6=-309/315

NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5 except (jt=lb) 4=105, 2=132.



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6904 Parke East Blvd. Tampa FL 33610
Date:

August 4,2020

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6904 Parke East Blvd.
Tampa, FL 36610

Job 2380539	Truss EJ05	Truss Type Jack-Partial	Qty 1	Ply 1	AMIRA BLDRS. - NICEWONGER RES. Job Reference (optional)	T20922645
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Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 4 13:00:48 2020 Page 1

ID:aWWYZLKSHCowoxc8cTivEVyrGuq-DfW759HP28M464zHruxA0RyBObGrJ8hyMyTBSEyrDWj

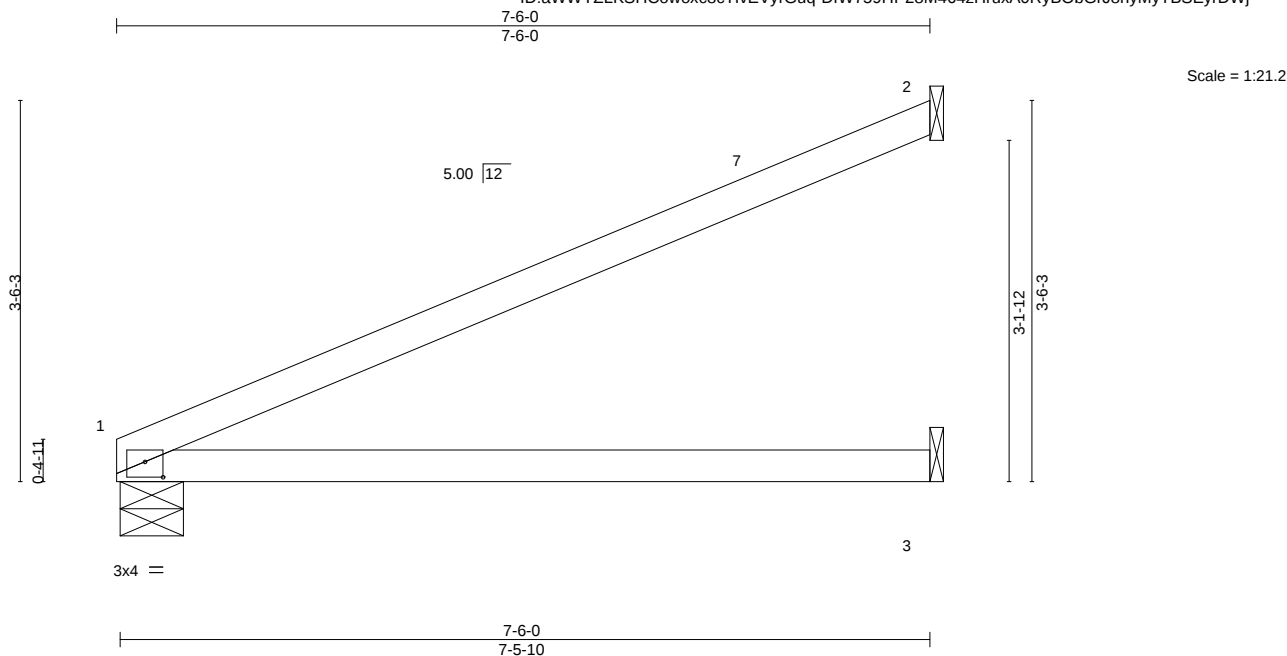


Plate Offsets (X,Y)--	[1:0-2-0,0-1-11]								
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.77	Vert(LL)	0.20	3-6	>454	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.62	Vert(CT)	-0.30	3-6	>294		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	0.01	1	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS					Weight: 23 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.

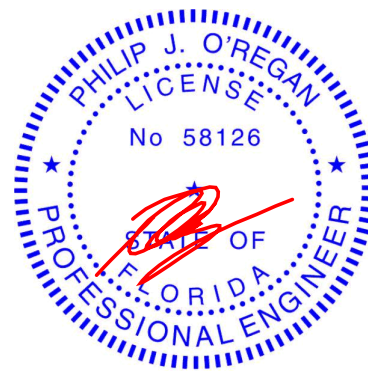
REACTIONS.

(size) 1=0-7-0, 2=Mechanical, 3=Mechanical
Max Horz 1=142(LC 12)
Max Uplift 1=96(LC 12), 2=-129(LC 12), 3=-9(LC 12)
Max Grav 1=275(LC 1), 2=180(LC 1), 3=136(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 100 lb uplift at joint(s) 1, 3 except (jt=lb) 2=129.



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August 4,2020

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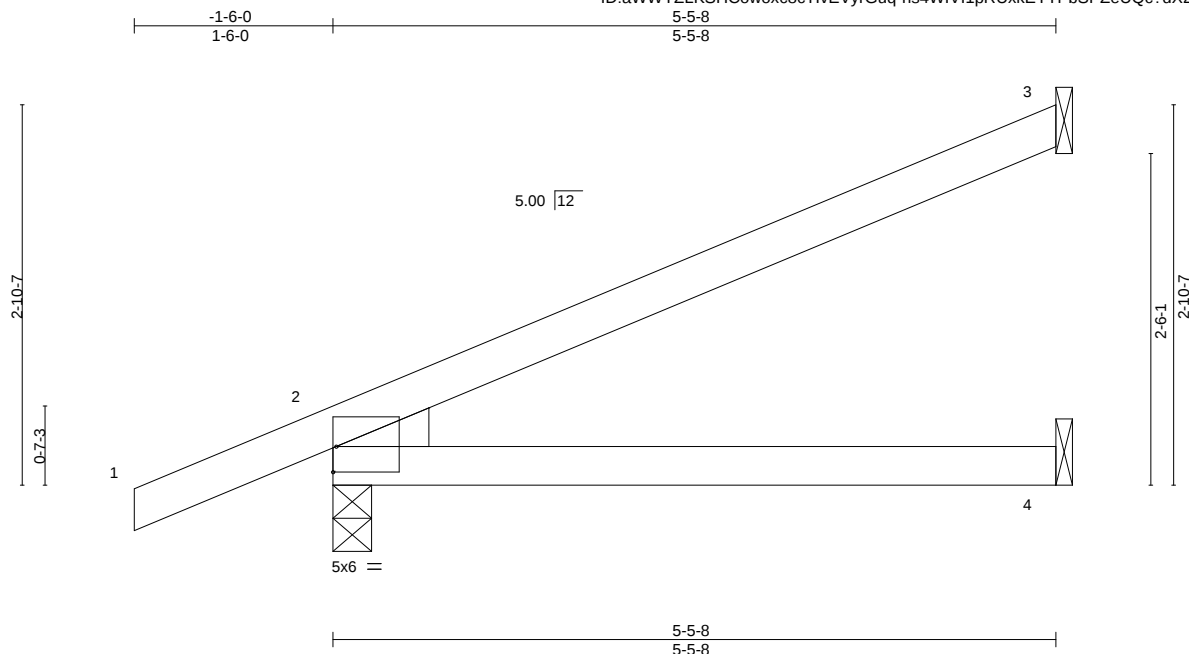
6904 Parke East Blvd.
Tampa, FL 36610

Job 2380539	Truss EJ06	Truss Type Jack-Open	Qty 1	Ply 1	AMIRA BLDRS. - NICEWONGER RES. Job Reference (optional)	T20922646
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Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 4 13:00:49 2020 Page 1

ID: aWWYZLKSHCwoxc8cTlVEYrGuq-hs4WIV1pRUxkEYTPbSPZeUQc?dX2bx5bcCk_gyrDWi



Scale = 1:17.4

Plate Offsets (X,Y)-- [2:0-0-2,0-0-1], [2:0-5-14,0-0-2], [2:Edge,0-2-5]												
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d				PLATES GRIP		
TCLL	20.0	Plate Grip DOL	1.25	TC	0.48	Vert(LL)	0.13	4-7	>499	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.47	Vert(CT)	0.11	4-7	>570	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-MP							Weight: 21 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2

BOT CHORD 2x4 SP No.2

WEDGE

Left: 2x4 SP No.3

BRACING-

TOP CHORD

BOT CHORD

Structural wood sheathing directly applied or 5-5-8 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical

Max Horz 2=135(LC 12)

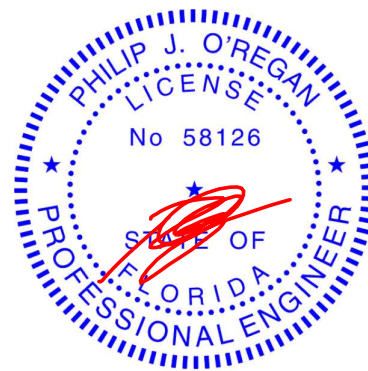
Max Uplift 3=-105(LC 12), 2=-171(LC 8), 4=-53(LC 9)

Max Grav 3=123(LC 1), 2=292(LC 1), 4=95(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 100 lb uplift at joint(s) 4 except (jt=lb) 3=105, 2=171.



Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

August 4,2020

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6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	AMIRA BLDRS. - NICEWONGER RES.	T20922647
2380539	HJ10	Diagonal Hip Girder	5	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 4 13:00:52 2020 Page 1

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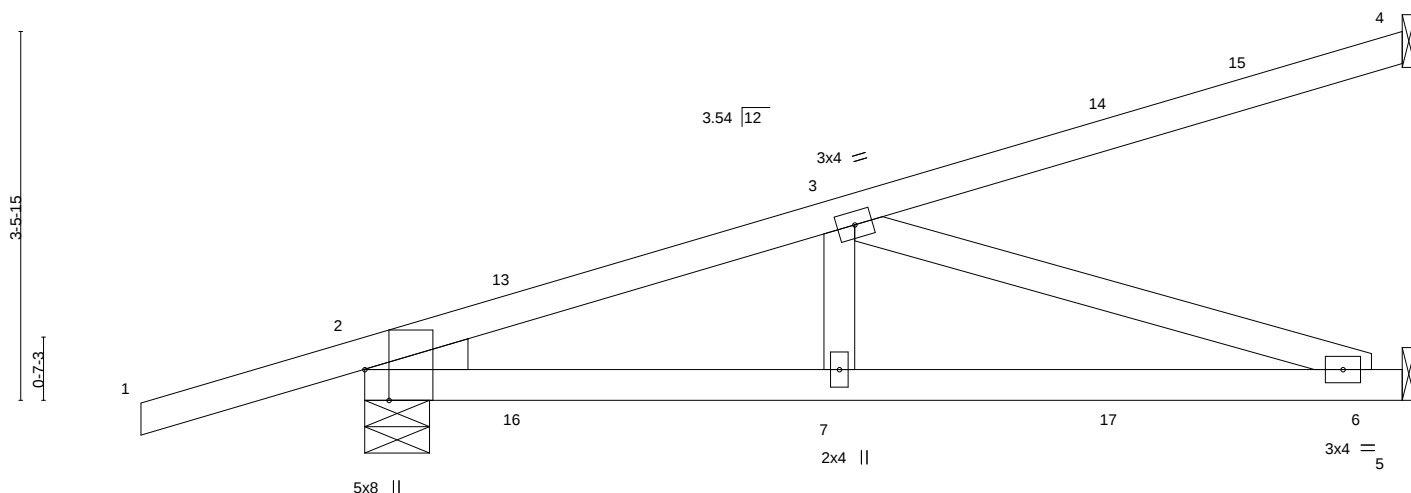
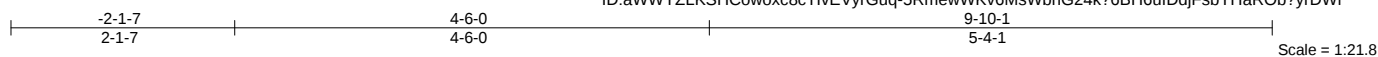


Plate Offsets (X,Y)--	[2:0-1-14,0-7-13], [2:0-3-8,Edge]
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.62	Vert(LL)	0.08	6-7	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.63	Vert(CT)	-0.13	6-7	>911	180		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.39	Horz(CT)	-0.01	4	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS						Weight: 44 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-1-14 oc bracing.

REACTIONS.

(size) 4=Mechanical, 5=Mechanical, 2=0-7-6
Max Horz 2=175(LC 4)
Max Uplift 4=-118(LC 4), 5=-123(LC 8), 2=-256(LC 4)
Max Grav 4=155(LC 1), 5=278(LC 3), 2=546(LC 1)

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

TOP CHORD 2-3=-706/332
BOT CHORD 2-7=-374/649, 6-7=-374/649
WEBS 3-6=-682/393

NOTES-

- 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
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 4=118, 5=123, 2=256.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 88 lb down and 65 lb up at 1-6-1, 88 lb down and 65 lb up at 1-6-1, 27 lb down and 50 lb up at 4-4-0, 27 lb down and 50 lb up at 4-4-0, and 50 lb down and 103 lb up at 7-1-15, and 50 lb down and 103 lb up at 7-1-15 on top chord, and 25 lb down and 36 lb up at 1-6-1, 25 lb down and 36 lb up at 1-6-1, 18 lb down and 13 lb up at 4-4-0, 18 lb down and 13 lb up at 4-4-0, and 36 lb down and 24 lb up at 7-1-15, and 36 lb down and 24 lb up at 7-1-15 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 5-8=-20
Concentrated Loads (lb)
Vert: 7=-9(F=-5, B=-5) 14=-70(F=-35, B=-35) 17=-61(F=-31, B=-31)



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6904 Parke East Blvd. Tampa FL 33610
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August 4,2020

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	AMIRA BLDRS. - NICEWONGER RES.	T20922648
2380539	HJ10A	Diagonal Hip Girder	1	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 4 13:00:53 2020 Page 1

ID:aWWYZLKSHCowoxc8cTivEVyrGuq-adJ08sLXtg_NCrrEeRWLjUf73cwk_N8hWEAy7SyrDWe

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2-1-7	2-6-0	1-6-11	2-8-5	3-1-1

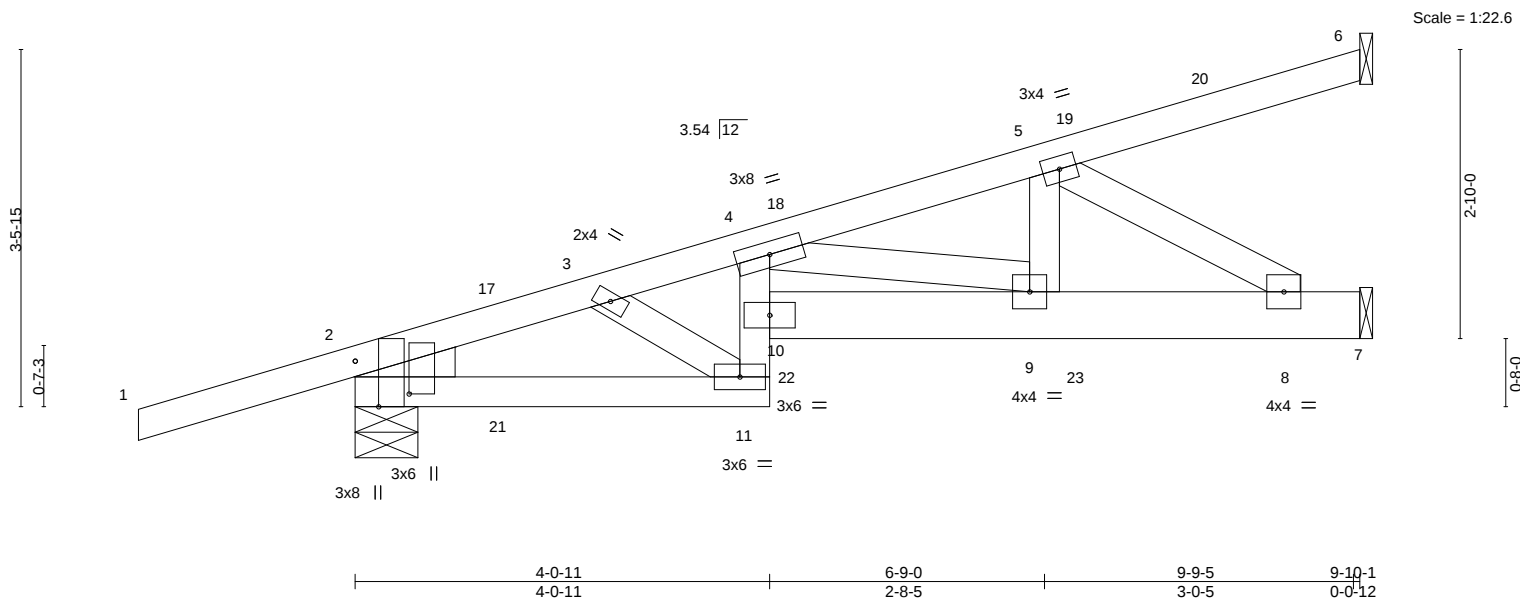


Plate Offsets (X,Y)-- [2:0-5-6,Edge], [2:0-3-14,0-6-5]															
LOADING (psf)		SPACING-		2-0-0		CSI.		DEFL.		in (loc) l/defl L/d		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL		1.25		TC	0.32	Vert(LL)	0.05	10	>999	240	MT20	244/190	
TCDL	7.0	Lumber DOL		1.25		BC	0.77	Vert(CT)	-0.07	10	>999	180			
BCLL	0.0 *	Rep Stress Incr		NO		WB	0.18	Horz(CT)	0.03	7	n/a	n/a			
BCDL	10.0	Code FBC2017/TPI2014				Matrix-MS							Weight: 53 lb	FT = 20%	

LUMBER-

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

BRACING-

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

REACTIONS. (size) 6=Mechanical, 7=Mechanical, 2=0-7-6
 Max Horz 2=175(LC 4)
 Max Uplift 6=42(LC 4), 7=-205(LC 8), 2=-267(LC 4)
 Max Grav 6=71(LC 1), 7=353(LC 1), 2=535(LC 1)

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

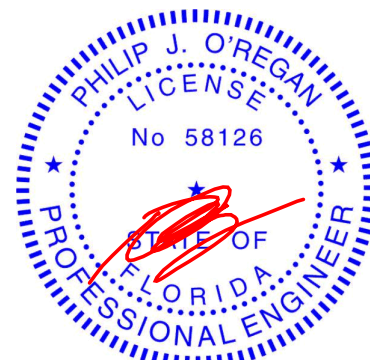
TOP CHORD 2-3=-570/206, 3-4=-552/259, 4-5=-677/376
 BOT CHORD 2-11=-270/490, 9-10=-589/889, 8-9=-419/650
 WEBS 4-9=-303/175, 5-9=-197/403, 5-8=-763/492

NOTES-

- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCCL=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
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6 except (jt=lb) 7=205, 2=267.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 88 lb down and 65 lb up at 1-6-1, 88 lb down and 65 lb up at 1-6-1, 17 lb down and 57 lb up at 4-4-0, 15 lb down and 27 lb up at 4-4-0, and 45 lb down and 76 lb up at 7-1-15, and 47 lb down and 84 lb up at 7-1-15 on top chord, and 25 lb down and 36 lb up at 1-6-1, 25 lb down and 36 lb up at 1-6-1, 19 lb down and 50 lb up at 4-4-0, 51 lb down and 37 lb up at 4-4-0, and 49 lb down and 51 lb up at 7-1-15, and 43 lb down and 43 lb up at 7-1-15 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-6=-54, 11-12=-20, 7-10=-20
 Concentrated Loads (lb)
 Vert: 18=57(B) 19=-39(F=-16, B=-22) 22=-46(F) 23=-93(F=-49, B=-43)



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 6904 Parke East Blvd. Tampa FL 33610
 Date:

August 4,2020

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6904 Parke East Blvd.
 Tampa, FL 33610

Job 2380539	Truss HJ10B	Truss Type Diagonal Hip Girder	Qty 1	Ply 1	AMIRA BLDRS. - NICEWONGER RES. Job Reference (optional)	T20922649
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8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 4 13:00:56 2020 Page 1

ID:aWWYZLKSHCowoxc8cTivEVyrGuq_C?9muNQ9bMy3JapJa42L7HdJq10Bj77CCPckmyrDWb

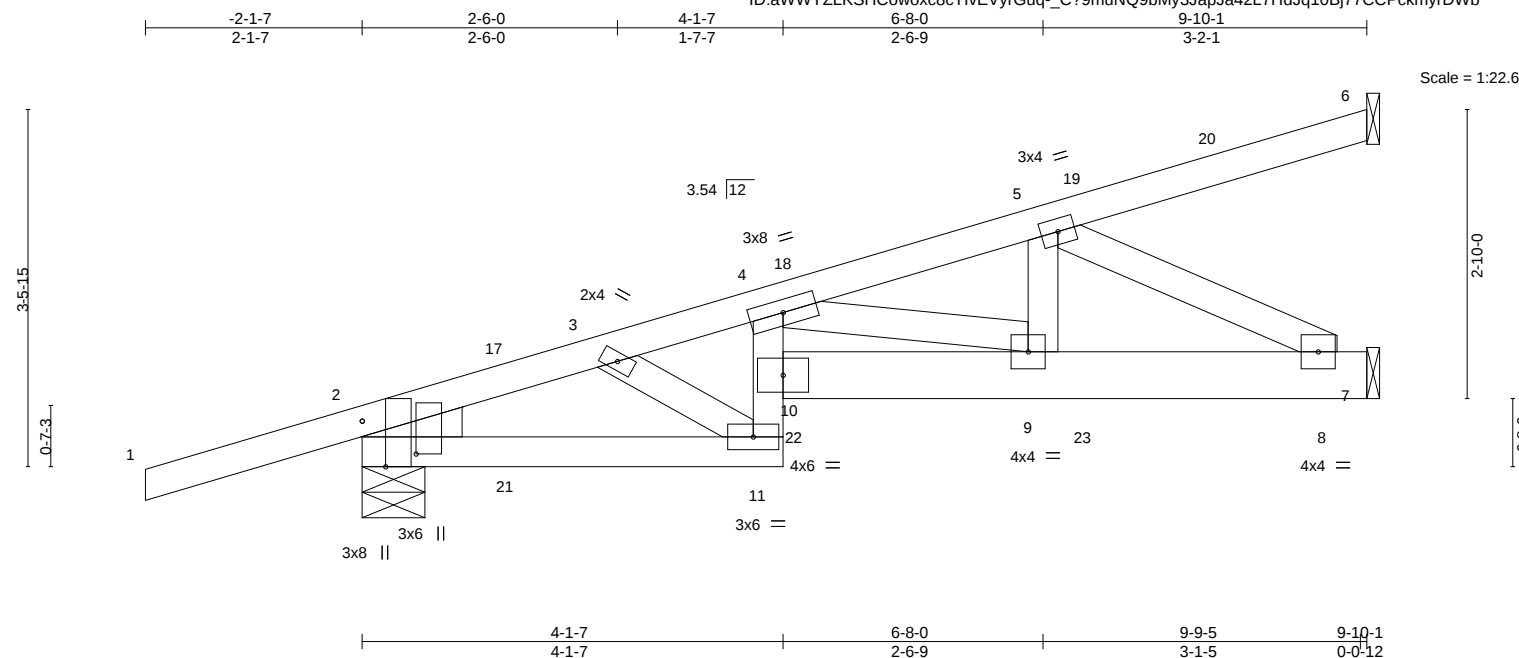


Plate Offsets (X,Y)-- [2:0-5-6,Edge], [2:0-3-14,0-6-5]												
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d				PLATES	GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.39	Vert(LL)	0.05	10	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.41	Vert(CT)	-0.08	10	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.23	Horz(CT)	0.03	7	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 *Except*
 4-11: 2x4 SP M 31, 7-10: 2x6 SP No.2
 WEBS 2x4 SP No.3
 WEDGE
 Left: 2x4 SP No.3

BRACING-

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

REACTIONS. (size) 6=Mechanical, 7=Mechanical, 2=0-7-6
 Max Horz 2=175(LC 22)
 Max Uplift 6=-44(LC 4), 7=-204(LC 8), 2=-267(LC 4)
 Max Grav 6=72(LC 1), 7=408(LC 1), 2=610(LC 1)

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

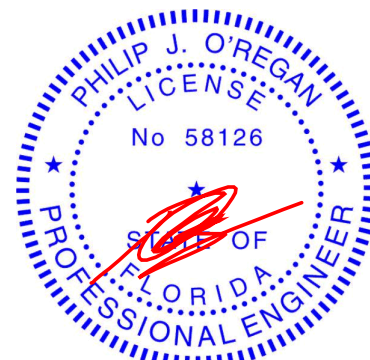
TOP CHORD 2-3=-693/220, 3-4=-741/263, 4-5=-820/377
 BOT CHORD 2-11=-270/608, 9-10=-596/1214, 8-9=-421/778
 WEBS 4-9=-466/182, 5-9=-169/436, 5-8=-879/475

NOTES-

- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCCL=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
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6 except (jt=lb) 7=204, 2=267.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 88 lb down and 65 lb up at 1-6-1, 88 lb down and 65 lb up at 1-6-1, 15 lb down and 27 lb up at 4-4-0, 15 lb down and 27 lb up at 4-4-0, and 45 lb down and 76 lb up at 7-1-15, and 45 lb down and 76 lb up at 7-1-15 on top chord, and 25 lb down and 36 lb up at 1-6-1, 25 lb down and 36 lb up at 1-6-1, 108 lb down and 19 lb up at 4-4-0, 51 lb down and 37 lb up at 4-4-0, and 49 lb down and 51 lb up at 7-1-15, and 49 lb down and 51 lb up at 7-1-15 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-6=-54, 11-12=-20, 7-10=-20
 Concentrated Loads (lb)
 Vert: 19=-33(F=-16, B=-16) 22=-121(F=-46) 23=-99(F=-49, B=-49)



Philip J. O'Regan PE No.58126
 MiTek USA, Inc. FL Cert 6634
 6904 Parke East Blvd. Tampa FL 33610
 Date:

August 4,2020

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

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



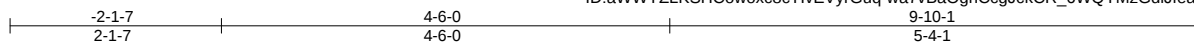
6904 Parke East Blvd.
 Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	AMIRA BLDRS. - NICEWONGER RES.	T20922650
2380539	HJ10D	Diagonal Hip Girder	2	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

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ID:aWWYZLKSHCowoxc8cTlVEYrGuq-wa7vBaOghCcgJckCR_6WQYMzGdiJfeaQfWujofyrDWZ



Scale = 1:23.1

Plate Offsets (X,Y)--	[2:0-5-6,Edge], [2:0-5-2,0-8-5], [2:0-4-6,1-6-1]
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.42	Vert(LL)	0.09	6-7	>999	240	MT20
TCDL 7.0	Lumber DOL	1.25	BC 0.49	Vert(CT)	-0.09	6-7	>999	180	244/190
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.17	Horz(CT)	0.01	4	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
WEDGE
Left: 2x8 SP 2400F 2.0E

BRACING-

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

REACTIONS. (size) 4=Mechanical, 5=Mechanical, 2=0-4-15
Max Horz 2=175(LC 4)
Max Uplift 4=-97(LC 4), 5=-146(LC 5), 2=-573(LC 4)
Max Grav 4=128(LC 19), 5=181(LC 3), 2=626(LC 1)

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

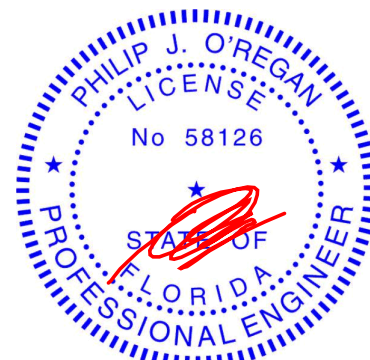
TOP CHORD 2-3=-306/270
BOT CHORD 2-7=-312/276, 6-7=-312/276
WEBS 3-6=-290/328

NOTES-

- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; cantilever left exposed; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 5=146, 2=573.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 59 lb down and 106 lb up at 1-6-1, 59 lb down and 106 lb up at 1-6-1, 17 lb down and 57 lb up at 4-4-0, 17 lb down and 57 lb up at 4-4-0, and 22 lb down and 49 lb up at 7-1-15, and 35 lb down and 75 lb up at 7-1-15 on top chord, and 7 lb down and 20 lb up at 1-6-1, 7 lb down and 20 lb up at 1-6-1, 51 lb down and 50 lb up at 4-4-0, 51 lb down and 50 lb up at 4-4-0, and 56 lb down and 35 lb up at 7-1-15, and 26 lb down and 45 lb up at 7-1-15 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 5-8=-20
Concentrated Loads (lb)
Vert: 3=114(F=57, B=57) 9=-118(F=-59, B=-59) 10=-11(F=-5, B=-5) 13=-3(F) 15=-0(F)



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Date:

August 4,2020

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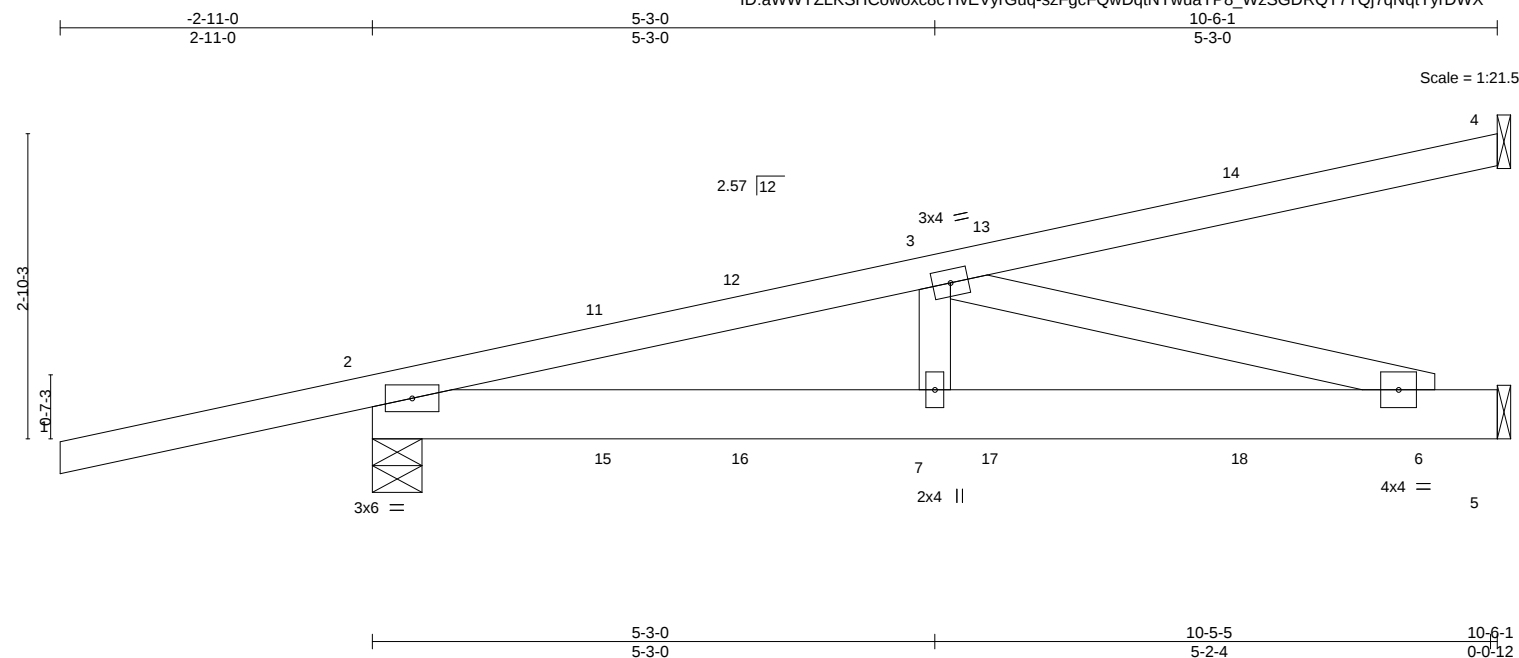
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	AMIRA BLDRS. - NICEWONGER RES.	T20922651
2380539	HJ11	Diagonal Hip Girder	1	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

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ID:aWWYZLKSHCowoxc8cTlVEVyrGuq-szFgcFQwDqtNYwuaYP8_WzSGDRQT7TQj7qNqtYrDWX



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.58	Vert(LL)	0.07	6-7	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.38	Vert(CT)	-0.07	6-7	>999	180		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.46	Horz(CT)	-0.01	5	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS						Weight: 53 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 5-10-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-1-14 oc bracing.

REACTIONS.

(size) 4=Mechanical, 2=0-5-9, 5=Mechanical
Max Horz 2=142(LC 4)
Max Uplift 4=-180(LC 4), 2=-523(LC 4), 5=-263(LC 4)
Max Grav 4=228(LC 1), 2=616(LC 1), 5=317(LC 1)

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

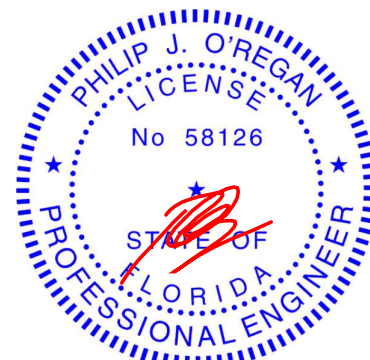
TOP CHORD 2-3=-965/720
BOT CHORD 2-7=-752/920, 6-7=-752/920
WEBS 3-7=-125/259, 3-6=-958/782

NOTES-

- 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
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 4=180, 2=523, 5=263.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 24 lb down and 40 lb up at 2-3-2, 14 lb down and 18 lb up at 3-6-8, 27 lb down and 52 lb up at 5-10-8, 61 lb down and 125 lb up at 6-1-13, and 41 lb down and 84 lb up at 8-2-8, and 94 lb down and 109 lb up at 10-5-5 on top chord, and 15 lb down and 35 lb up at 2-3-2, 7 lb down and 18 lb up at 3-6-8, 21 lb down and 37 lb up at 5-10-8, and 50 lb down and 84 lb up at 6-1-13, and 34 lb down and 54 lb up at 8-2-8 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 5-8=-20
Concentrated Loads (lb)
Vert: 4=-94(F) 13=-40(F=-3, B=-37) 14=-27(F) 15=-6(B) 16=3(F) 17=-44(F=-6, B=-37) 18=-24(F)



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Date:

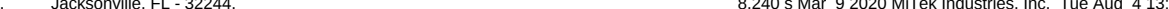
August 4,2020

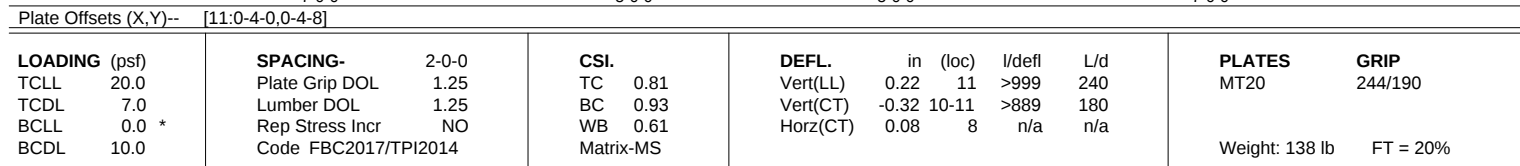
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.

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Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 4 13:01:02 2020 Page 1
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 Scale = 1:44.0



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 2-4-6 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 5-3-5 oc bracing.

REACTIONS.

(size) 2=0-5-8, 8=0-5-8
Max Horz 2=75(LC 31)
Max Uplift 2=-873(LC 8), 8=-890(LC 9)
Max Grav 2=1763(LC 1), 8=1796(LC 1)

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

TOP CHORD 2-3=-3519/1760, 3-4=-3417/1706, 4-5=-3182/1628, 5-6=-3251/1662, 6-7=-3494/1745,
7-8=-3594/1799

BOT CHORD 2-12=-1608/3181, 11-12=-1923/3957, 10-11=-1923/3957, 8-10=-1569/3249

WEBS 3-12=-165/251, 4-12=-360/890, 5-12=-981/550, 5-11=-70/450, 5-10=-885/471,
6-10=-311/840, 7-10=-170/255

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TC DL=4.2psf; BC DL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; 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) 2=873, 8=890.
- 7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 127 lb down and 123 lb up at 7-0-0, 109 lb down and 123 lb up at 9-0-12, 109 lb down and 123 lb up at 11-0-12, 109 lb down and 123 lb up at 12-11-4, and 109 lb down and 123 lb up at 14-11-4, and 235 lb down and 242 lb up at 17-0-0 on top chord, and 314 lb down and 182 lb up at 7-0-0, 84 lb down and 30 lb up at 9-0-12, 84 lb down and 30 lb up at 11-0-12, 84 lb down and 30 lb up at 12-11-4, and 84 lb down and 30 lb up at 14-11-4, and 314 lb down and 182 lb up at 16-11-4 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

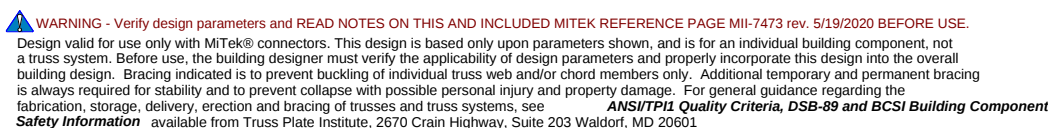
- 1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-6=-54, 6-9=-54, 13-16=-20



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

August 4, 2020

Continued on page 2



6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	AMIRA BLDRS. - NICEWONGER RES.	T20922652
2380539	T01	Hip Girder	1	1	Job Reference (optional)	

LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 4=-109(B) 6=-188(B) 12=-314(B) 10=-314(B) 19=-109(B) 20=-109(B) 21=-109(B) 22=-109(B) 23=-65(B) 24=-65(B) 25=-65(B) 26=-65(B)



Job 2380539	Truss T02	Truss Type Hip	Qty 1	Ply 1	AMIRA BLDERS. - NICEWONGER RES. Job Reference (optional)	T20922653
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Builders FirstSource, Jacksonville, FL - 32244,

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ID: aWWYZLKSHCwoxc8cTlVrGuq-aurSigYCsU7zISV8WKKw4s?KTpT4EBQNoLDyyrDWN

-1-6-0	4-7-8	9-0-0	15-0-0	19-4-7	24-0-0	25-6-0
1-6-0	4-7-8	4-4-7	6-0-0	4-4-7	4-7-8	1-6-0

Scale = 1:44.0

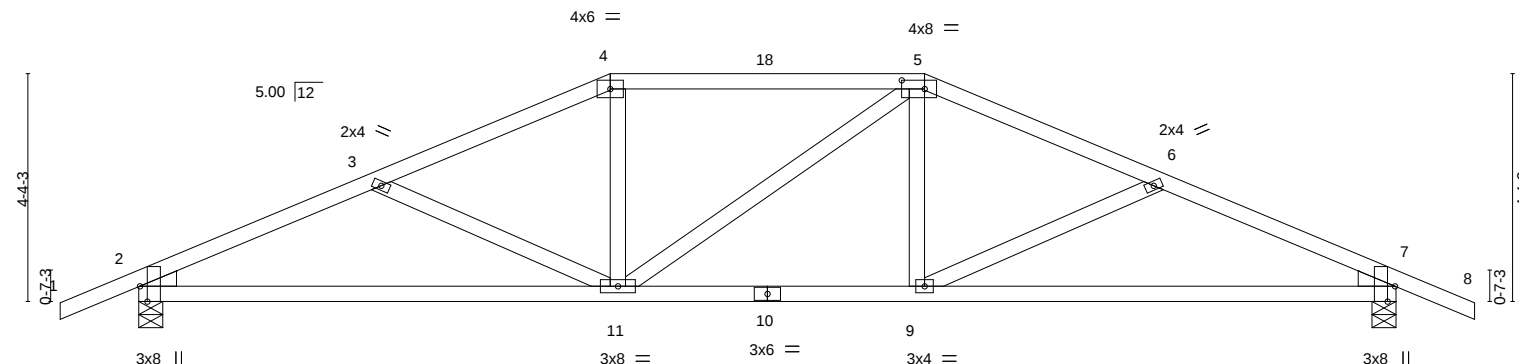


Plate Offsets (X,Y)--	[2:0-3-8,Edge], [2:0-0-2,0-5-14], [2:0-0-1,0-0-2], [5:0-5-4,0-2-0], [7:0-0-1,0-0-2], [7:0-0-2,0-5-14], [7:0-3-8,Edge]
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.48	Vert(LL)	-0.12	9-17	>999	240	MT20
TCDL 7.0	Lumber DOL	1.25	BC 0.70	Vert(CT)	-0.25	9-17	>999	180	244/190
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.12	Horz(CT)	0.05	7	n/a	n/a	
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS						
								Weight: 116 lb	FT = 20%

LUMBER-

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

WEDGE
Left: 2x4 SP No.3, Right: 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-4-5 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-11-4 oc bracing.

REACTIONS.

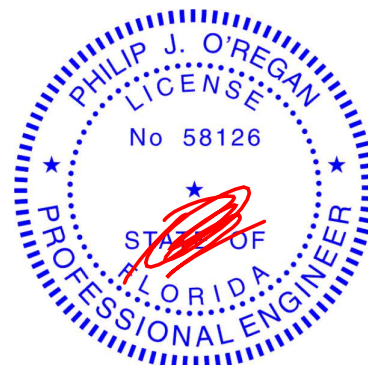
(size) 2=0-5-8, 7=0-5-8
Max Horz 2=-92(LC 13)
Max Uplift 2=-392(LC 12), 7=-392(LC 13)
Max Grav 2=969(LC 1), 7=969(LC 1)

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

TOP CHORD 2-3=-1628/882, 3-4=-1396/738, 4-5=-1257/730, 5-6=-1396/738, 6-7=-1628/882
BOT CHORD 2-11=-695/1456, 9-11=-499/1256, 7-9=-709/1456
WEBS 4-11=-48/320, 5-9=-50/320

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCCL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=392, 7=392.



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6904 Parke East Blvd. Tampa FL 33610
Date:

August 4,2020

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	AMIRA BLDRS. - NICEWONGER RES.	T20922654
2380539	T03	Hip	1	1	Job Reference (optional)	

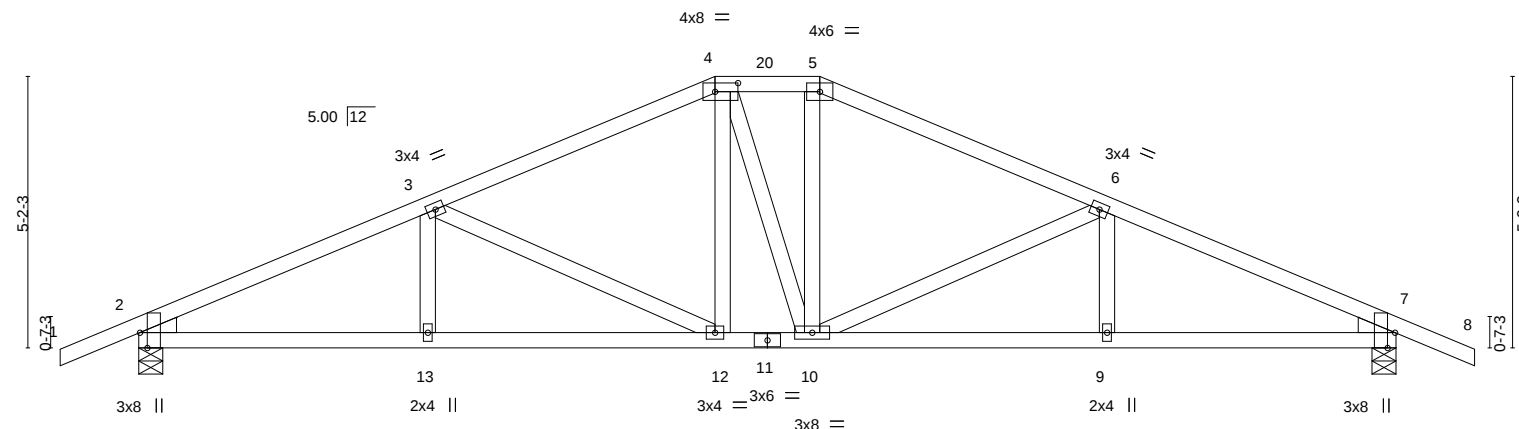
Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 4 13:01:14 2020 Page 1

ID:aWWYzLKSHCowoxc8cTlvEVyrGuq-Sf5yY2biw7dOE4yHNMOG4w1jz49gPq5nL?mZMkyrDWJ

-1-6-0	5-6-3	11-0-0	13-0-0	18-5-13	24-0-0	25-6-0
1-6-0	5-6-3	5-5-13	2-0-0	5-5-13	5-6-3	1-6-0

Scale = 1:44.0



	5-6-3	11-0-0	13-0-0	18-5-13	24-0-0	
	5-6-3	5-5-13	2-0-0	5-5-13	5-6-3	
Plate Offsets (X,Y)--	[2:0-3-8,Edge], [2:0-0-2,0-5-14], [2:0-0-1,0-0-2], [4:0-5-4,0-2-0], [7:0-0-1,0-0-2], [7:0-0-2,0-5-14], [7:0-3-8,Edge]					

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.37	Vert(LL)	-0.08 12-13	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.58	Vert(CT)	-0.17 12-13	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.32	Horz(CT)	0.05 7	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS					Weight: 127 lb	FT = 20%

LUMBER-

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

WEDGE
Left: 2x4 SP No.3, Right: 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-3-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-0-6 oc bracing.

REACTIONS.

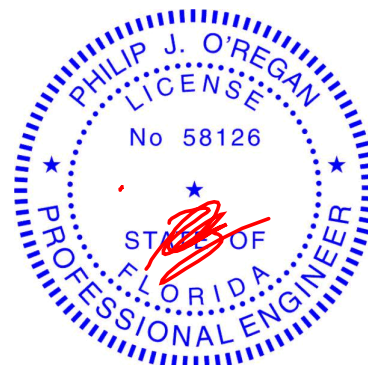
(size) 2=0-5-8, 7=0-5-8
Max Horz 2=110(LC 12)
Max Uplift 2=-388(LC 12), 7=-388(LC 13)
Max Grav 2=969(LC 1), 7=969(LC 1)

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

TOP CHORD 2-3=-1643/865, 3-4=-1237/696, 4-5=-1095/695, 5-6=-1238/697, 6-7=-1642/864
BOT CHORD 2-13=-679/1465, 12-13=-679/1465, 10-12=-419/1094, 9-10=-692/1464, 7-9=-692/1464
WEBS 3-12=-441/306, 4-12=-110/276, 5-10=-111/279, 6-10=-439/305

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=388, 7=388.



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Date:

August 4,2020

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6904 Parke East Blvd.
Tampa, FL 36610

Job 2380539	Truss T04	Truss Type Common	Qty 6	Ply 1	AMIRA BLDRS. - NICEWONGER RES. T20922655
Builders FirstSource, Jacksonville, FL - 32244,					

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ID:aWWYZLKSHCwoxc8cTivEVyrGuq-O2CjzjczSku6TN6fUmRk9L6_MujRtg84oJFgRcyrdWH

-1-6-0 1-6-0	7-0-3 7-0-3	12-0-0 4-11-13	16-11-13 4-11-13	24-0-0 7-0-3	25-6-0 1-6-0
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Scale = 1:43.3

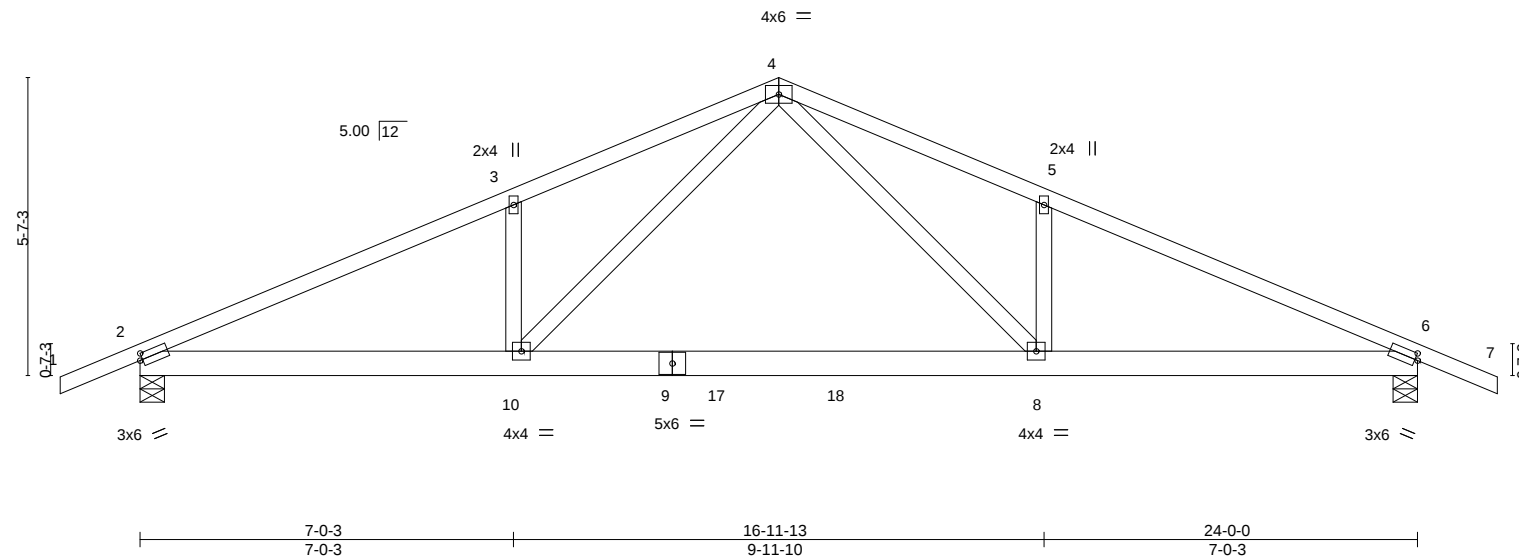


Plate Offsets (X,Y)-- [2:0-0-10,0-1-8], [6:0-0-10,0-1-8]		LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL 20.0		Plate Grip DOL 1.25		TC 0.70		in (loc) l/defl L/d		MT20		244/190			
TCDL 7.0		Lumber DOL 1.25		BC 1.00		Vert(LL) 0.30 8-10 >968 240							
BCLL 0.0 *		Rep Stress Incr NO		WB 0.61		Vert(CT) -0.51 8-10 >563 180							
BCDL 10.0		Code FBC2017/TPI2014		Matrix-MS		Horz(CT) 0.05 6 n/a n/a							
										Weight: 129 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 3-1-4 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-0-5 oc bracing.

REACTIONS.

(size) 2=0-5-8, 6=0-5-8
Max Horz 2=-118(LC 17)
Max Uplift 2=-525(LC 12), 6=-525(LC 13)
Max Grav 2=1268(LC 1), 6=1268(LC 1)

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

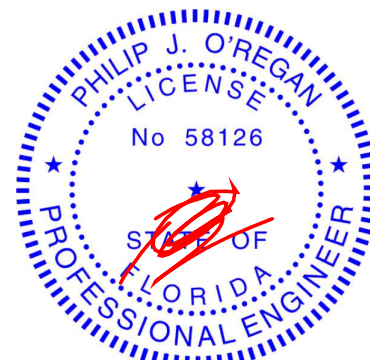
TOP CHORD 2-3=-2482/1289, 3-4=-2458/1428, 4-5=-2458/1428, 5-6=-2482/1289
BOT CHORD 2-10=-1052/2218, 8-10=-632/1456, 6-8=-1062/2218
WEBS 4-8=-624/1128, 5-8=-302/320, 4-10=-624/1128, 3-10=-302/320

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=525, 6=525.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-7=-54, 10-11=-20, 8-10=-80(F=-60), 8-14=-20



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Date:

August 4, 2020

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	AMIRA BLDRS. - NICEWONGER RES.	T20922656
2380539	T05	Common	2	1		

Builders FirstSource, Jacksonville, FL - 32244,

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ID:aWWYZLKSHCwoxc8cTivEVyrGuq-DCa_Dnhk2aeGBIZpr1Y8PcM0xJoJHNcyAFi_fGyrDWB

Job Reference (optional)

6-11-3	11-11-0	16-10-13	23-11-0	25-5-0
6-11-3	4-11-13	4-11-13	7-0-3	1-6-0

Scale = 1:41.9

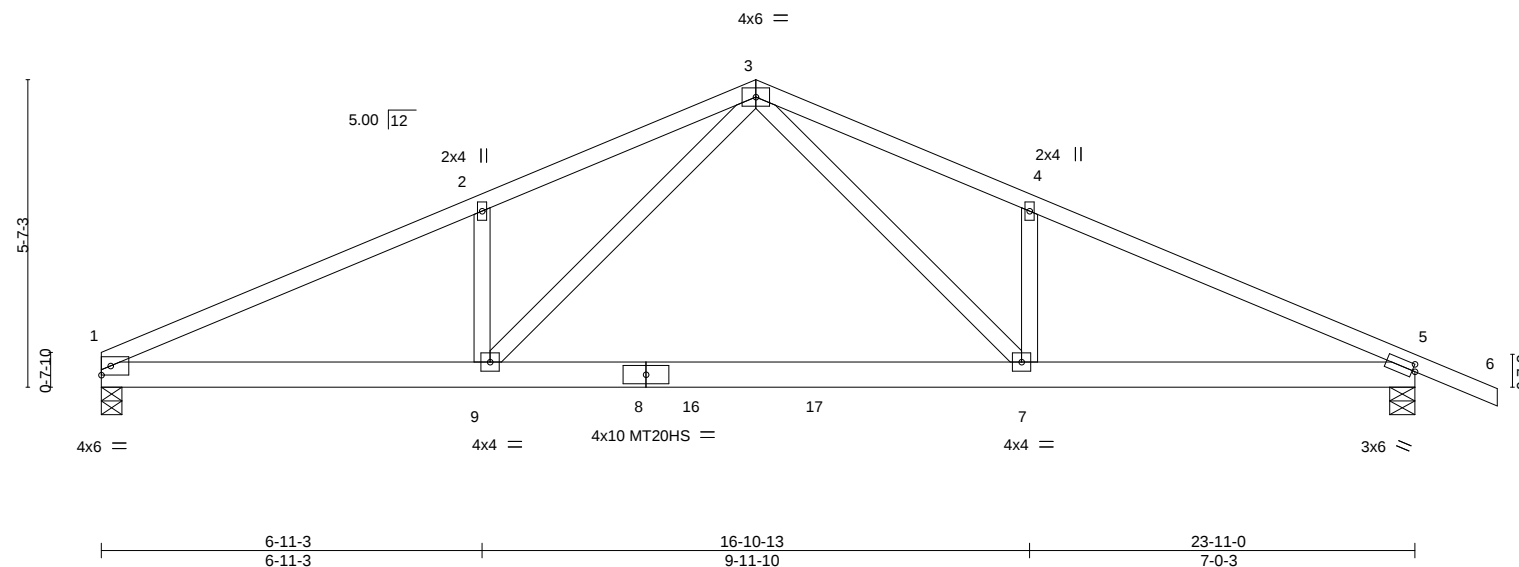


Plate Offsets (X,Y)--		[5:0-0-10,0-1-8]									
LOADING	(psf)	SPACING-	2-0-0	CSI.		DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.70	Vert(LL)	0.25 7-9	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.85	Vert(CT)	-0.44 7-9	>657	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.61	Horz(CT)	0.04 5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							
										Weight: 126 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
5-8: 2x6 SP M 26
WEBS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-1-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-1-2 oc bracing.

REACTIONS.

(size) 1=0-4-8, 5=0-5-8
Max Horz 1=-132(LC 13)
Max Uplift 1=-473(LC 12), 5=-525(LC 13)
Max Grav 1=1182(LC 1), 5=1266(LC 1)

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

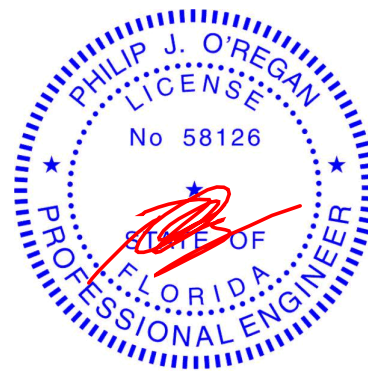
TOP CHORD 1-2=-2449/1283, 2-3=-2425/1422, 3-4=-2457/1431, 4-5=-2480/1291
BOT CHORD 1-9=-1057/2188, 7-9=-633/1446, 5-7=-1065/2217
WEBS 2-9=-304/321, 3-9=-616/1101, 3-7=-625/1142, 4-7=-307/322

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- All plates are MT20 plates unless otherwise indicated.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (it=lb) 1=473, 5=525.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 3-6=-54, 9-10=-20, 7-9=-80(F=-60), 7-13=-20



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August 4,2020

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	AMIRA BLDRS. - NICEWONGER RES.	T20922657
2380539	T06	HIP GIRDER	1	2	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

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ID:aWWYZLKSHCwoxoc8cTivEVyrGuq-w7AmKCp?hfvOrKkQ7jUpimm0LHPdwhQUo7W?hyrDW1

-1-6-0
1-6-0

1-8-4
1-8-4

2-11-8
1-3-4

7-0-0
4-0-8

12-10-12
5-10-12

18-6-0
5-7-4

21-1-12
2-7-12

23-3-8
2-1-12

26-0-0
2-8-8

29-0-0
3-0-0

33-0-8
4-0-8

34-3-12
1-3-4

36-0-0
1-8-4

37-6-0
1-6-0

Scale: 3/16"=1'

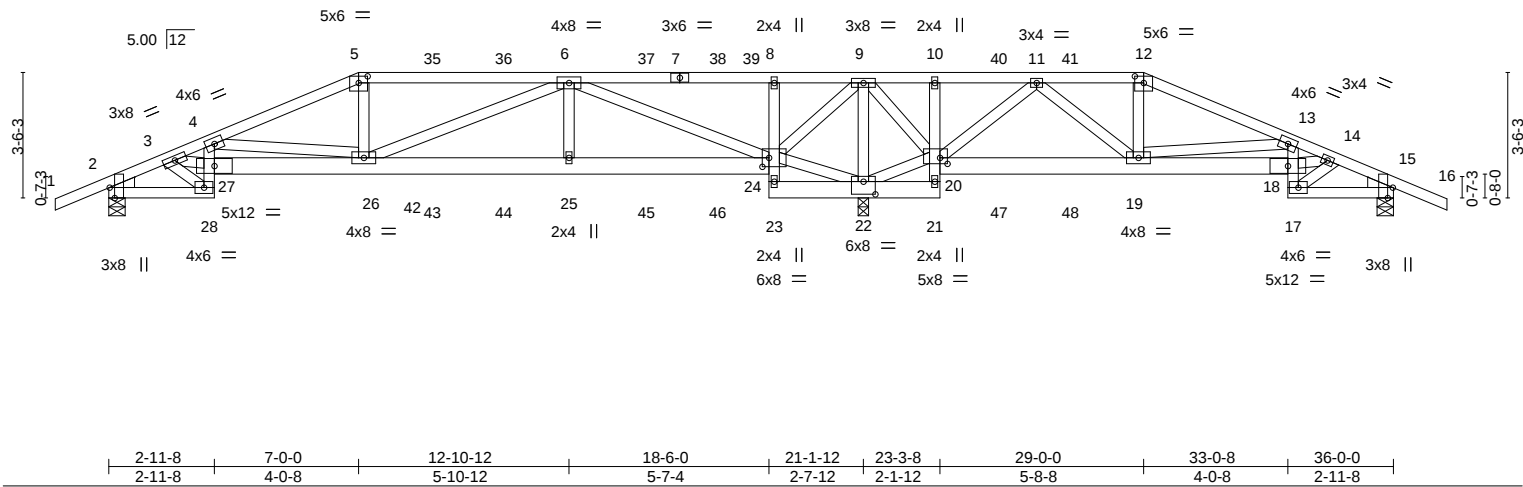


Plate Offsets (X,Y)--		[2:0-3-8,Edge], [2:0-0-2,0-5-14], [2:0-0-1,0-0-2], [5:0-3-0,0-2-4], [12:0-3-0,0-2-4], [15:0-3-8,Edge], [15:0-0-2,0-5-14], [15:0-0-1,0-0-2], [20:0-2-8,0-2-0], [22:0-4-0,0-4-4], [24:0-2-4,0-3-0]									
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d				PLATES GRIP	
TCLL 20.0		Plate Grip DOL 1.25		TC 0.47		Vert(LL) 0.10 26-27 >999 240				MT20 244/190	
TCDL 7.0		Lumber DOL 1.25		BC 0.61		Vert(CT) -0.14 26-27 >999 180					
BCLL 0.0 *		Rep Stress Incr NO		WB 0.57		Horz(CT) 0.06 15 n/a n/a					
BCDL 10.0		Code FBC2017/TPI2014		Matrix-MS						Weight: 455 lb FT = 20%	

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x4 SP No.2 *Except*	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
24-27,21-23,18-20: 2x6 SP No.2, 8-23,10-21: 2x4 SP No.3	
WEBS 2x4 SP No.3	
WEDGE	
Left: 2x4 SP No.3, Right: 2x4 SP No.3	

REACTIONS. (size) 2=0-5-8, 15=0-5-8, 22=0-3-8
Max Horz 2=-75(LC 13)
Max Uplift 2=-619(LC 8), 15=-287(LC 9), 22=-1986(LC 4)
Max Grav 2=1234(LC 19), 15=487(LC 20), 22=4017(LC 1)

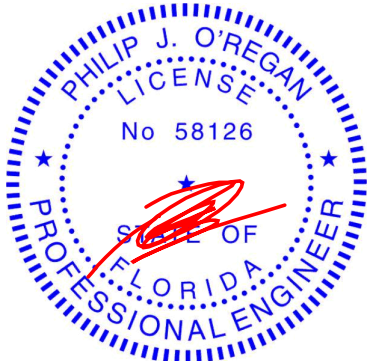
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 2-3=-1889/941, 3-4=-3661/1855, 4-5=-2750/1397, 5-6=-2601/1362, 6-8=-500/1217, 8-9=-534/1276, 9-10=-925/1982, 10-11=-923/1971, 11-12=-417/364, 12-13=-511/367, 13-14=-1021/624, 14-15=-552/348

BOT CHORD 2-28=-815/1586, 27-28=-356/727, 4-27=-160/399, 26-27=-1914/3726, 25-26=-896/1871, 24-25=-896/1871, 8-24=-478/346, 22-23=-474/198, 21-22=-422/183, 10-20=-288/211, 19-20=-622/363, 18-19=-603/1068, 15-17=-241/457

WEBS 3-28=-1138/580, 3-27=-1388/2729, 4-26=-1223/684, 5-26=-217/636, 6-26=-408/840, 6-25=-26/491, 6-24=-3267/1622, 22-24=-2183/1123, 9-24=-915/1856, 9-22=-2201/1126, 20-22=-2278/1164, 9-20=-494/970, 11-20=-1798/930, 11-19=-578/1298, 13-19=-645/404, 14-18=-400/737, 14-17=-303/148

- NOTES-**
- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
 - All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
 - Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=619, 15=287, 22=1986.



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Date: August 4,2020

Job	Truss	Truss Type	Qty	Ply	AMIRA BLDRS. - NICEWONGER RES.	T20922657
2380539	T06	HIP GIRDER	1	2	Job Reference (optional)	

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ID:aWWYZLKSHCowoxc8cTlVEVyrGuq-w7AmKCp?hfvOrKkQ7jUpimm0LHPdwhQUo7W?hyrDW1

NOTES-

9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 115 lb down and 105 lb up at 7-0-0, 96 lb down and 105 lb up at 9-0-12, 96 lb down and 105 lb up at 11-0-12, 96 lb down and 105 lb up at 13-0-12, 96 lb down and 105 lb up at 15-0-12, 96 lb down and 105 lb up at 17-0-12, 109 lb down and 123 lb up at 18-11-4, 109 lb down and 123 lb up at 20-11-4, 109 lb down and 123 lb up at 22-11-4, 100 lb down and 109 lb up at 24-11-4, and 100 lb down and 109 lb up at 26-11-4, and 119 lb down and 109 lb up at 29-0-0 on top chord, and 468 lb down and 277 lb up at 7-0-0, 100 lb down and 45 lb up at 9-0-12, 100 lb down and 45 lb up at 11-0-12, 100 lb down and 45 lb up at 13-0-12, 100 lb down and 45 lb up at 15-0-12, 100 lb down and 45 lb up at 17-0-12, 84 lb down and 30 lb up at 18-7-12, 84 lb down and 30 lb up at 20-11-4, 84 lb down and 30 lb up at 23-1-12, 91 lb down and 43 lb up at 24-11-4, and 91 lb down and 43 lb up at 26-11-4, and 406 lb down and 276 lb up at 28-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-5=-54, 5-12=-54, 12-16=-54, 28-29=-20, 24-27=-20, 21-23=-20, 18-20=-20, 17-32=-20

Concentrated Loads (lb)

Vert: 5=-96(F) 12=-100(F) 8=-109(F) 21=-65(F) 10=-109(F) 6=-96(F) 25=-88(F) 24=-65(F) 22=-65(F) 9=-109(F) 19=-406(F) 35=-96(F) 36=-96(F) 37=-96(F) 38=-96(F) 40=-100(F) 41=-100(F) 42=-468(F) 43=-88(F) 44=-88(F) 45=-88(F) 46=-88(F) 47=-81(F) 48=-81(F)

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

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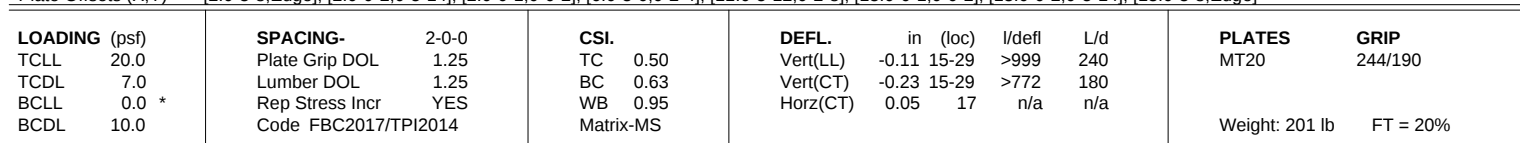


6904 Parke East Blvd.
Tampa, FL 36610

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 4 13:01:34 2020 Page 1

Range	Count
1-6-0	1-6-0
1-5-14	1-5-14
2-11-8	1-5-10
5-11-12	3-0-4
9-0-0	3-0-4
13-10-12	4-10-12
18-6-0	4-7-4
21-1-12	2-7-12
27-0-0	5-10-4
31-5-14	4-5-14
36-0-0	4-6-2
37-6-0	1-6-0

Scale: 3/16"=1"



REACTIONS. (size) 2=0-5-8, 17=0-3-8, 13=0-5-8
 Max Horz 2=92(LC 12)
 Max Uplift 2=-321(LC 12), **17=-716(LC 8)**, 13=-242(LC 13)
 Max Grav 2=698(LC 23), 17=1774(LC 1), 13=421(LC 24)

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

TOP CHORD 2-3=-907/456, 3-4=-1600/742, 4-5=-1835/873, 5-6=-856/421, 6-7=-762/417,
7-9=-182/484, 9-10=-189/498, 10-11=-359/915, 12-13=-402/311

BOT CHORD 2-23=-370/747, 22-23=-130/306, 21-22=-508/1096, 20-21=-128/450, 19-20=-128/450,
13-15=-204/358

WEBS 3-23=-535/252, 3-22=-547/1191, 5-22=-323/706, 5-21=-402/292, 7-21=-202/414,
7-19=-1059/534, 17-19=-886/614, 10-19=-293/707, 10-17=-871/451, 11-17=-1033/504,
11-15=-73/393, 12-15=-364/307

NOTES-

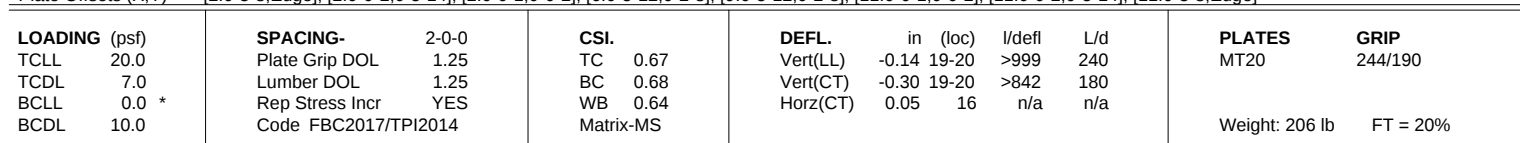
- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb)
2=321 17=716 13=242

A circular blue seal for a Professional Engineer in the State of Florida. The outer ring contains the text "PHILIP J. LENSEN" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by two stars. Inside the ring, the text "STATE OF FLORIDA" is at the bottom and "LICENSE NO. 58126" is at the top. A red ink signature is written across the center of the seal.

Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

August 4, 2020

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 4 13:01:36 2020 Page 1
 ID:aWWYZLKSHCowoxc8cTlEVyrGuq-puQH9ZsWluPHtSeVfzoQzYxPmydCYiXOOQ5j7SyrDVz
 1-6-0 1-5-14 2-11-8 6-8-8 11-0-0 18-6-0 21-1-12 25-0-0 30-7-2 36-0-0 37-6-0
 1-6-0 1-5-14 1-5-10 3-8-15 4-3-8 7-6-0 2-7-12 3-10-4 5-7-2 5-4-14 1-6-0
 Scale: 3/16"=1'



REACTIONS. (size) 2=0-5-8, 16=0-3-8, 11=0-5-8
 Max Horz 2=-110(LC 17)
 Max Uplift 2=-314(LC 12), 16=-672(LC 8), 11=-240(LC 13)
 Max Grav 2=678(LC 23), 16=1840(LC 1), 11=406(LC 24)

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

TOP CHORD 2-3=-870/448, 3-4=-1550/735, 4-5=-1817/882, 5-6=-614/315, 6-7=-98/453,
7-8=-114/480, 8-9=-306/904, 9-10=-195/452, 10-11=-389/275

BOT CHORD 2-21=-374/716, 20-21=-129/303, 19-20=-470/946, 18-19=-173/539, 7-18=-373/285,
14-16=-398/327, 13-14=-166/322, 11-13=-166/322

WEBS 3-21=-530/249, 3-20=-550/1171, 5-20=-379/840, 5-19=-476/367, 6-19=-119/482,
6-18=-1062/498, 16-18=-889/641, 8-18=-382/834, 8-16=-824/390, 9-16=-908/454,
9-14=-117/363, 10-14=-573/885

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCCL=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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=314. 16=672. 11=240.



Philip J. O'Regan PE No.58126
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August 4, 2020



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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	AMIRA BLDRS. - NICEWONGER RES.	T20922660
2380539	T09	Hip	1	1	Job Reference (optional)	

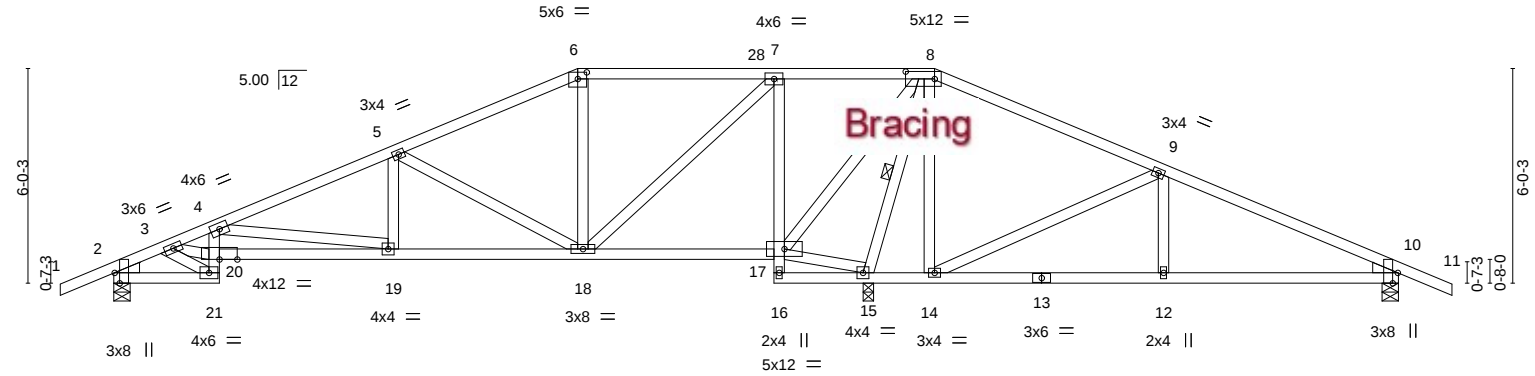
Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 4 13:01:40 2020 Page 1

ID:aWWYZLKSHCowoxc8cTlVrGuq-hgfn?xv0o6viL3xGupsM7O66nZ_DUVkcJ23xGDyrDVv

-1-6-0	1-5-14	2-11-8	7-10-0	13-0-0	18-6-0	23-0-0	29-5-0	36-0-0	37-6-0
1-6-0	1-5-14	1-5-10	4-10-8	5-2-0	5-6-0	4-6-0	6-5-0	6-7-0	1-6-0

Scale: 3/16"=1'



	2-11-8	7-10-0	13-0-0	18-6-0	21-1-12	23-0-0	29-5-0	36-0-0	
	2-11-8	4-10-8	5-2-0	5-6-0	2-7-12	1-10-4	6-5-0	6-7-0	
Plate Offsets (X,Y)--	[2:0-3-8,Edge], [2:0-0-2,0-5-14], [2:0-0-1,0-0-2], [6:0-3-0,0-2-4], [8:0-9-12,0-2-8], [10:0-0-1,0-0-2], [10:0-0-2,0-5-14], [10:0-3-8,Edge]								

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.54	Vert(LL)	0.09 19-20	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.67	Vert(CT)	-0.14 19-20	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.69	Horz(CT)	0.06 15	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS					Weight: 212 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2 *Except*
 4-21,7-16: 2x4 SP No.3
 WEBS 2x4 SP No.3
 WEDGE
 Left: 2x4 SP No.3, Right: 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-7-10 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
 WEBS 1 Row at midpt 8-15

REACTIONS.

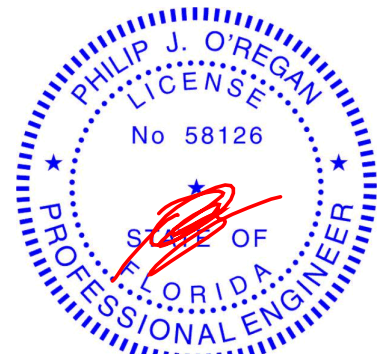
(size) 2=0-5-8, 15=0-3-8, 10=0-5-8
 Max Horz 2=-127(LC 13)
 Max Uplift 2=-311(LC 12), 15=-610(LC 12), 10=-253(LC 13)
 Max Grav 2=684(LC 23), 15=1830(LC 1), 10=433(LC 24)

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

TOP CHORD 2-3=-871/456, 3-4=-1541/768, 4-5=-1013/514, 5-6=-400/252, 6-7=-310/273,
 7-8=-74/405, 8-9=-218/612, 9-10=-397/282
 BOT CHORD 2-21=-380/714, 20-21=-126/272, 19-20=-855/1657, 18-19=-407/895, 17-18=-395/386,
 7-17=-881/506, 14-15=-503/421, 12-14=-190/320, 10-12=-190/320
 WEBS 3-21=-464/239, 3-20=-562/1120, 4-19=-771/453, 5-19=-49/314, 5-18=-662/423,
 7-18=-422/865, 15-17=-960/649, 8-17=-383/890, 8-15=-1523/710, 8-14=-118/379,
 9-14=-698/466, 9-12=0/291

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=311, 15=610, 10=253.



Philip J. O'Regan PE No.58126
 MiTek USA, Inc. FL Cert 6634
 6904 Parke East Blvd. Tampa FL 33610
 Date:

August 4,2020

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6904 Parke East Blvd.
 Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	AMIRA BLDRS. - NICEWONGER RES.	T20922661
2380539	T10	Hip	1	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

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ID:aWWYZLKSHCowoxc8cTivEVyrGuq-aRvIrlyXsLP8qhF27fxlIEGIIAM_QFZBEg19P_yrDVR

-1-6-0	1-5-14	2-11-8	8-10-0	15-0-0	18-6-0	21-0-0	28-4-0	36-0-0	37-6-0
1-6-0	1-5-14	1-5-10	5-10-8	6-2-0	3-6-0	2-6-0	7-4-0	7-8-0	1-6-0

Scale = 1:65.6

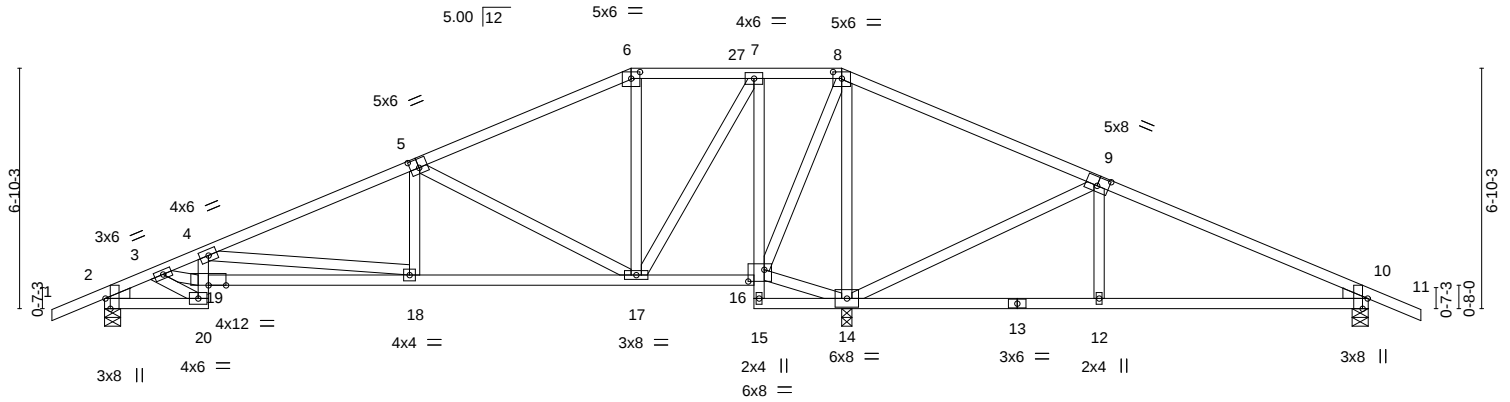


Plate Offsets (X,Y)-- [2:0-0-1,0-0-2], [2:0-0-2,0-5-14], [2:0-3-8,Edge], [5:0-3-0,0-3-0], [6:0-3-0,0-2-4], [8:0-3-0,0-2-4], [9:0-4-0,0-3-0], [10:0-0-2,0-5-14], [10:0-0-1,0-0-2], [10:0-3-8,Edge], [16:0-5-8,0-4-0]

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 0.74	Vert(LL)	0.10 18-19	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.68	Vert(CT)	-0.17 18-19	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.96	Horz(CT)	0.06 14	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS					Weight: 212 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2 *Except*
 4-20,7-15: 2x4 SP No.3
 WEBS 2x4 SP No.3
 WEDGE
 Left: 2x4 SP No.3, Right: 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-7-1 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS.

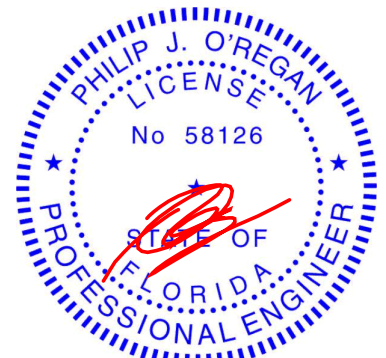
(size) 2=0-5-8, 14=0-3-8, 10=0-5-8
 Max Horz 2=145(LC 12)
 Max Uplift 2=-307(LC 12), 14=-614(LC 12), 10=-265(LC 13)
 Max Grav 2=686(LC 23), 14=1809(LC 1), 10=462(LC 24)

FORCES.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-869/463, 3-4=-1565/801, 4-5=-931/491, 7-8=-53/351, 8-9=-237/746,
 9-10=-407/284
 BOT CHORD 2-20=-385/711, 19-20=-122/267, 18-19=-910/1718, 17-18=-361/804, 16-17=-348/393,
 7-16=-829/429, 12-14=-230/321, 10-12=-230/322
 WEBS 3-20=-453/228, 3-19=-577/1138, 4-18=-917/555, 5-18=-42/367, 5-17=-770/494,
 7-17=-418/812, 14-16=-627/518, 8-16=-279/700, 8-14=-1141/551, 9-14=-791/531,
 9-12=0/326

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=307, 14=614, 10=265.



Philip J. O'Regan PE No.58126
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 6904 Parke East Blvd. Tampa FL 33610
 Date:

August 4,2020

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6904 Parke East Blvd.
 Tampa, FL 33610

Job 2380539	Truss T11	Truss Type Hip	Qty 1	Ply 1	AMIRA BLDRS. - NICEWONGER RES. T20922662
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ID:aWWYZLKSHCwoxc8cTivEvyrGuq-SC8phg?1wawaJIYpMV0ES4RWvnmom92n9I?MYIyrDVn

Job Reference (optional)

1-6-0	6-0-0	11-1-13	17-0-0	19-0-0	24-10-3	30-0-0	36-0-0	37-6-0
1-6-0	6-0-0	5-1-13	5-10-3	2-0-0	5-10-3	5-1-13	6-0-0	1-6-0

Scale: 3/16"=1'

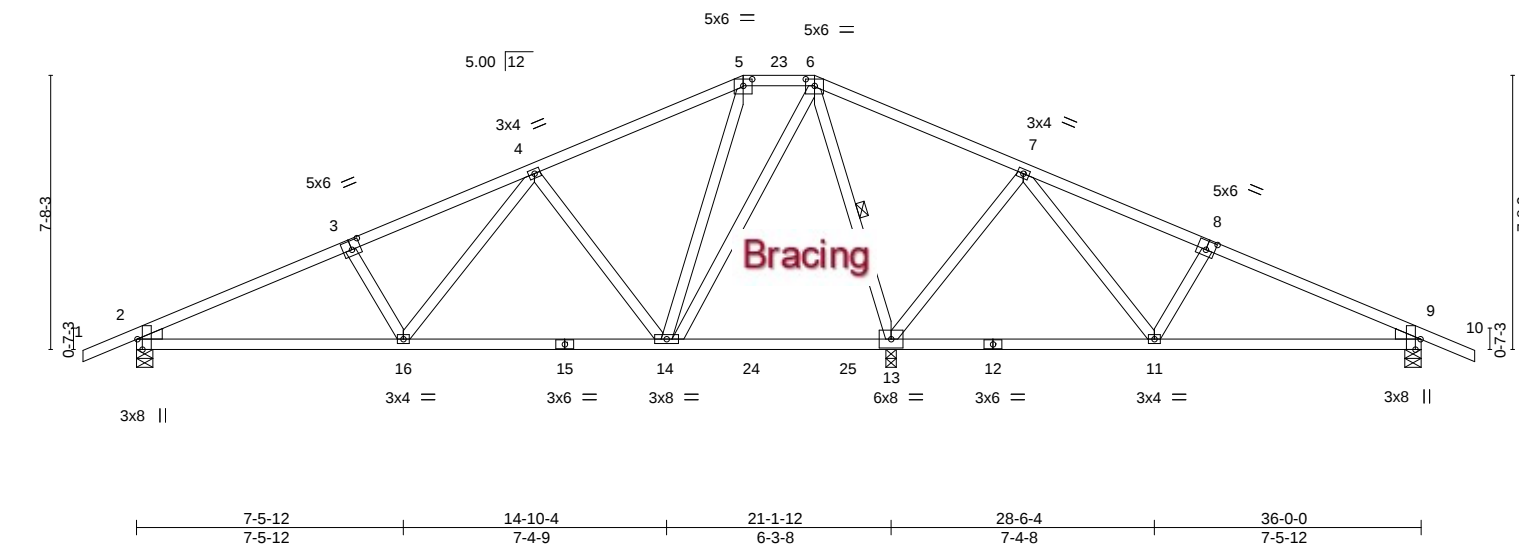


Plate Offsets (X,Y)--	[2:0-0-1,0-0-2], [2:0-0-2,0-5-14], [2:0-3-8,Edge], [3:0-3-0,0-3-0], [5:0-3-0,0-2-4], [6:0-3-0,0-2-4], [8:0-3-0,0-3-0], [9:0-0-1,0-0-2], [9:0-0-2,0-5-14], [9:0-3-8,Edge]
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.41	Vert(LL)	-0.06 13-14	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.50	Vert(CT)	-0.13 14-16	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.54	Horz(CT)	0.02 13	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS					Weight: 196 lb	FT = 20%

LUMBER-

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

Left: 2x4 SP No.3, Right: 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-4-1 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 6-13

REACTIONS.

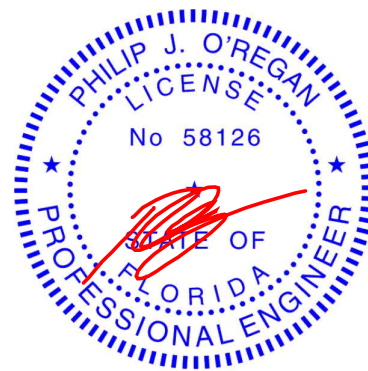
(size) 2=0-5-8, 13=0-3-8, 9=0-5-8
Max Horz 2=162(LC 16)
Max Uplift 2=-339(LC 12), 13=-528(LC 12), 9=-250(LC 13)
Max Grav 2=757(LC 23), 13=1661(LC 1), 9=500(LC 24)

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

TOP CHORD 2-3=-1126/582, 3-4=-993/574, 4-5=-367/293, 5-6=-305/334, 6-7=-109/549, 7-8=-401/269, 8-9=-537/276
BOT CHORD 2-16=-503/988, 14-16=-276/603, 13-14=-158/300, 9-11=-156/451
WEBS 3-16=-248/254, 4-16=-228/455, 4-14=-552/434, 6-14=-405/777, 6-13=-1115/578, 7-13=-568/442, 7-11=-255/508, 8-11=-278/270

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=339, 13=528, 9=250.



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

August 4,2020

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	AMIRA BLDRS. - NICEWONGER RES.	T20922663
2380539	T12	Common	3	1		

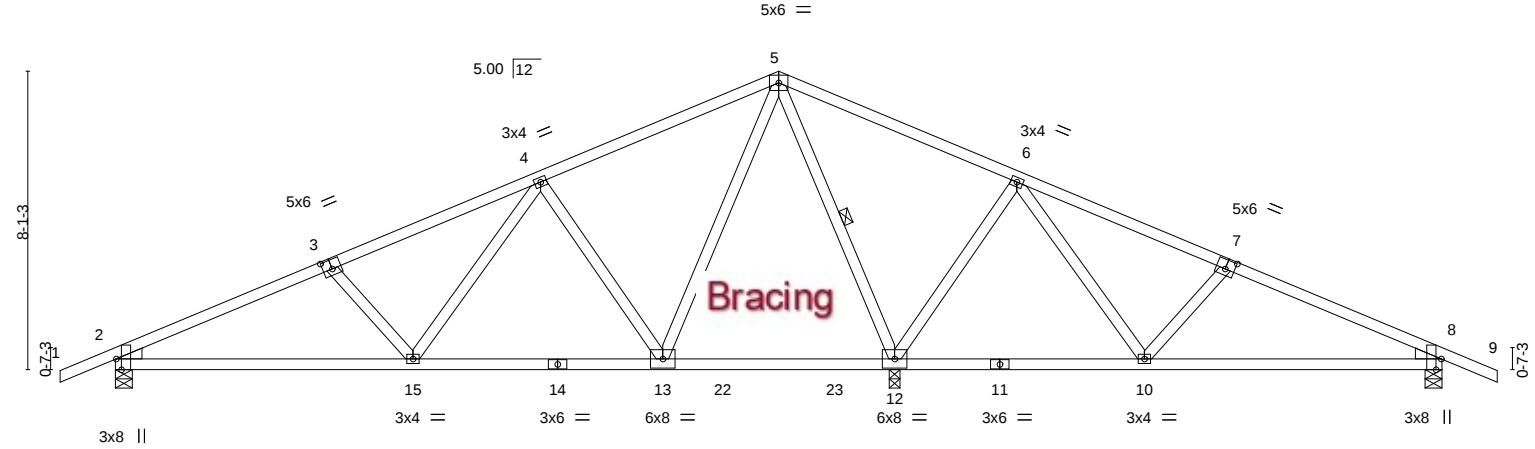
Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 4 13:01:50 2020 Page 1

ID:aWWYZLKSHCwoxc8cTivEVyrGuq-PbGZ6L1SBAHYciBUv2iXVWrlbR3q4F4dbUTdeyrDVI

-1-6-0	5-10-10	11-6-7	18-0-0	24-5-9	30-1-6	36-0-0	37-6-0
1-6-0	5-10-10	5-7-14	6-5-9	6-5-9	5-7-14	5-10-10	1-6-0

Scale = 1:62.5



	8-0-15		14-10-4		21-1-12		27-11-1		36-0-0									
	8-0-15		6-9-5		6-3-8		6-9-5		8-0-15									
Plate Offsets (X,Y)--	[2:0-0-1,0-0-2], [2:0-0-2,0-5-14], [2:0-3-8,Edge], [3:0-3-0,0-3-0], [7:0-3-0,0-3-0], [8:0-0-1,0-0-2], [8:0-0-2,0-5-14], [8:0-3-8,Edge]																	
LOADING (psf)	SPACING-		2-0-0		CSI.		DEFL.		in (loc)		l/defl		L/d		PLATES		GRIP	
TCLL 20.0	Plate Grip DOL		1.25		TC 0.47		Vert(LL)		-0.07 10-21		>999		240		MT20		244/190	
TCDL 7.0	Lumber DOL		1.25		BC 0.51		Vert(CT)		-0.15 10-21		>999		180					
BCLL 0.0 *	Rep Stress Incr		YES		WB 0.50		Horz(CT)		0.02 12		n/a		n/a					
BCDL 10.0	Code FBC2017/TPI2014				Matrix-MS										Weight: 188 lb		FT = 20%	

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-4-14 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
 WEBS 1 Row at midpt 5-12

REACTIONS.

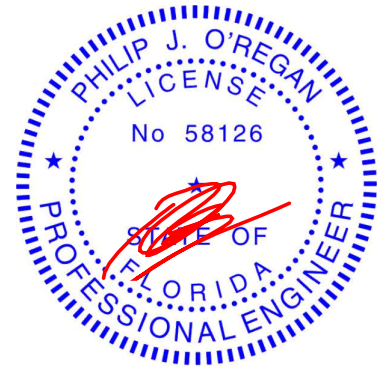
(size) 2=0-5-8, 12=0-3-8, 8=0-5-8
 Max Horz 2=-171(LC 13)
 Max Uplift 2=-326(LC 12), 12=-554(LC 12), 8=-238(LC 13)
 Max Grav 2=749(LC 23), 12=1672(LC 1), 8=503(LC 24)

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

TOP CHORD 2-3=-1108/566, 3-4=-924/505, 4-5=-346/275, 5-6=-143/578, 6-7=-349/203,
 7-8=-530/258
 BOT CHORD 2-15=-496/974, 13-15=-242/566, 12-13=-91/282, 10-12=-217/256, 8-10=-141/458
 WEBS 5-12=-1130/601, 6-12=-596/462, 6-10=-228/476, 7-10=-304/290, 5-13=-366/662,
 4-13=-580/451, 4-15=-203/442, 3-15=-273/273

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=326, 12=554, 8=238.



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 Date:

August 4,2020

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6904 Parke East Blvd.
 Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	AMIRA BLDRS. - NICEWONGER RES.	T20922664
2380539	T13	Common	3	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 4 13:01:53 2020 Page 1

ID: aWWYZLKSHCowoxc8cTlVrGuq-pAxikN3Ak6YsP3Rm92bP988KEoNA1R3WJZi7EzyrDVi

-1-6-0	5-10-10	11-6-7	18-0-0	24-7-13	31-0-0
1-6-0	5-10-10	5-7-14	6-5-9	6-7-13	6-4-3

Scale = 1:53.4

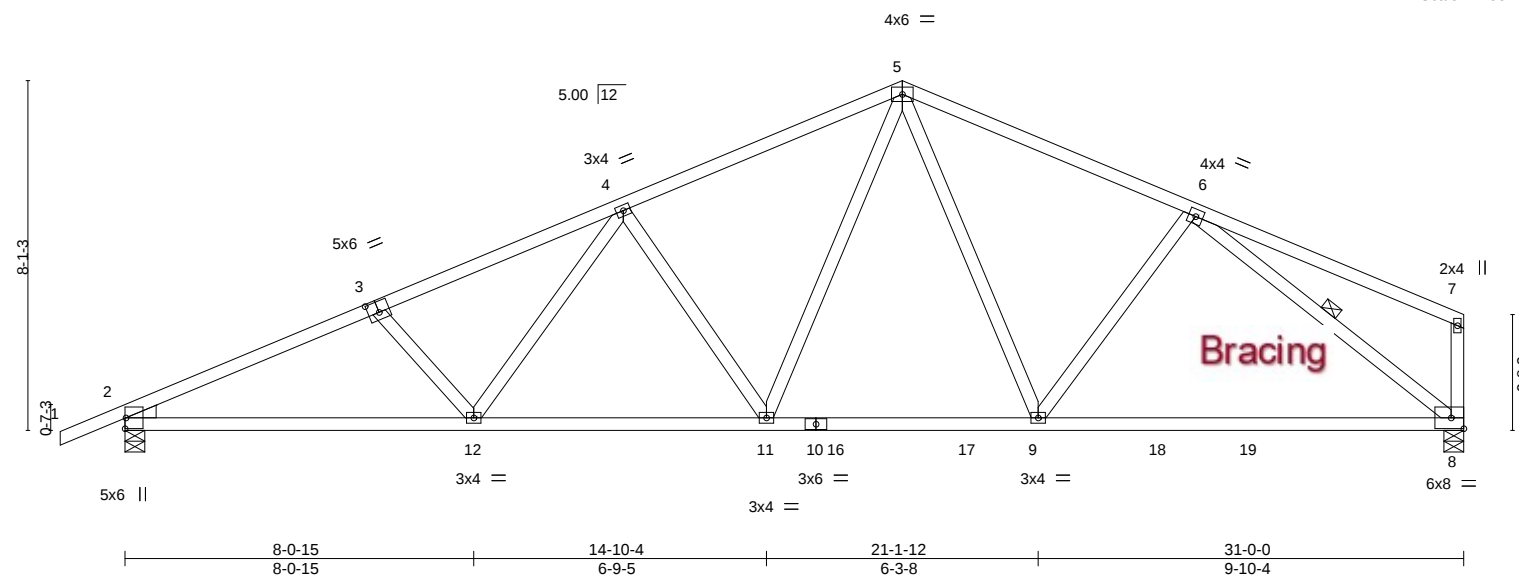


Plate Offsets (X,Y)-- [2:0-0-1,0-0-2], [2:0-0-2,0-5-14], [3:0-3-0,0-3-0]																			
LOADING (psf)		SPACING-		2-0-0		CSI.		DEFL.		in (loc)		l/defl		L/d		PLATES		GRIP	
TCLL 20.0		Plate Grip DOL		1.25		TC 0.62		Vert(LL)		-0.25 8-9		>999		240		MT20		244/190	
TCDL 7.0		Lumber DOL		1.25		BC 0.87		Vert(CT)		-0.51 8-9		>721		180					
BCLL 0.0 *		Rep Stress Incr		YES		WB 0.49		Horz(CT)		0.07 8		n/a		n/a					
BCDL 10.0		Code FBC2017/TPI2014				Matrix-MS													
																Weight: 170 lb		FT = 20%	

LUMBER-

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

BRACING-

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

REACTIONS.

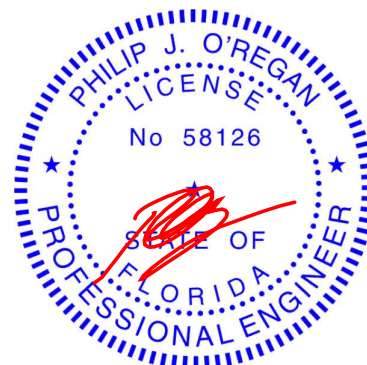
(size) 2=0-5-8, 8=0-5-8
Max Horz 2=243(LC 12)
Max Uplift 2=-500(LC 12), 8=-402(LC 13)
Max Grav 2=1225(LC 1), 8=1140(LC 1)

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

TOP CHORD 2-3=-2202/1182, 3-4=-2032/1129, 4-5=-1525/943, 5-6=-1342/823
BOT CHORD 2-12=-1117/1970, 11-12=-875/1635, 9-11=-505/1109, 8-9=-619/1145
WEBS 4-12=-154/392, 4-11=-557/431, 5-11=-363/630, 5-9=-116/295, 6-8=-1395/775

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCCL=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
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (it=lb) 2=500, 8=402.



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

August 4,2020

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6904 Parke East Blvd.
Tampa, FL 33610

Job 2380539	Truss T14	Truss Type Roof Special	Qty 4	Ply 1	AMIRA BLDRS. - NICEWONGER RES. Job Reference (optional)	T20922665
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Builders FirstSource, Jacksonville, FL - 32244,

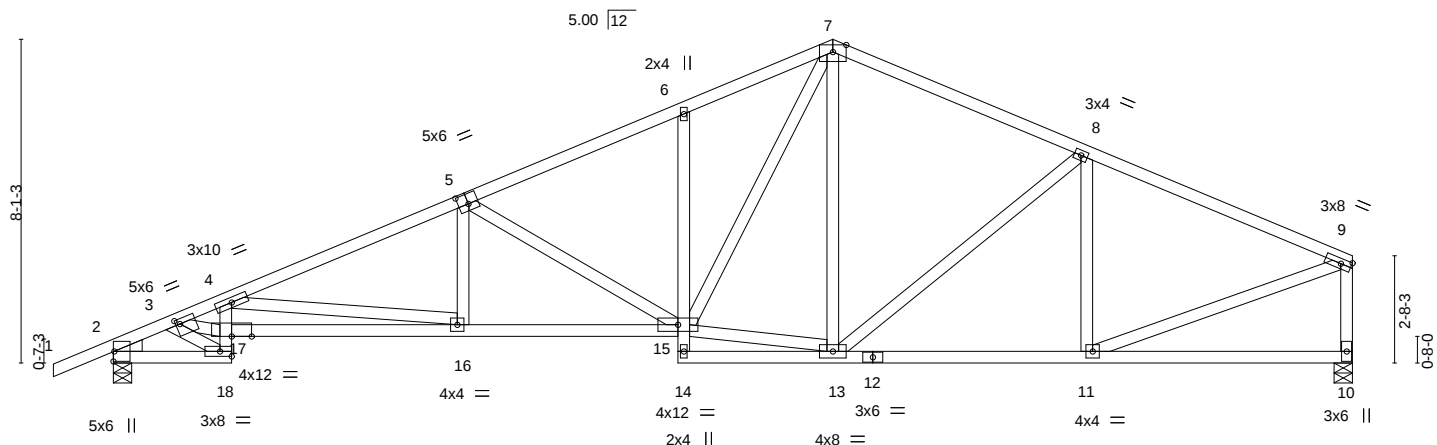
8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 4 13:01:56 2020 Page 1

ID:aWWYZLKSHCowoxc8cTlvEVyrGuq-DldrMP5311wRGXALqA96nmmsf00UEifz?XxnqlyrDVf

-1-6-0	1-5-14	2-11-8	8-9-0	14-1-8	18-0-0	24-4-4	31-0-0
1-6-0	1-5-14	1-5-10	5-9-8	5-4-8	3-10-8	6-4-4	6-7-12

5x8 =

Scale = 1:57.6



2-11-8	8-9-0	14-1-8	18-0-0	24-4-4	31-0-0
2-11-8	5-9-8	5-4-8	3-10-8	6-4-4	6-7-12

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

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.48	Vert(LL)	0.22 16-17	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.96	Vert(CT)	-0.35 16-17	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.89	Horz(CT)	0.15 10	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS					Weight: 196 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
6-14: 2x4 SP No.3
WEBS 2x4 SP No.3
WEDGE
Left: 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 2-11-11 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.

REACTIONS.

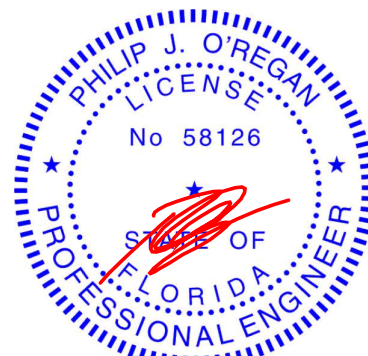
(size) 2=0-5-8, 10=0-5-8
Max Horz 2=243(LC 12)
Max Uplift 2=-500(LC 12), 10=-402(LC 13)
Max Grav 2=1225(LC 1), 10=1140(LC 1)

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

TOP CHORD 2-3=-1793/939, 3-4=-3232/1769, 4-5=-2476/1335, 5-6=-1775/1025, 6-7=-1735/1117, 7-8=-1281/796, 8-9=-1352/742, 9-10=-1079/624
BOT CHORD 2-18=-859/1477, 17-18=-279/525, 4-17=-80/309, 16-17=-2022/3480, 15-16=-1211/2241, 11-13=-611/1194
WEBS 3-18=-924/516, 3-17=-1318/2329, 4-16=-1242/816, 5-16=-90/403, 5-15=-772/493, 13-15=-433/1020, 7-15=-605/978, 8-11=-295/265, 9-11=-620/1223

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=500, 10=402.



Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

August 4,2020

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6904 Parke East Blvd.
Tampa, FL 36610

Job 2380539	Truss T15	Truss Type Roof Special	Qty 1	Ply 1	AMIRA BLDRS. - NICEWONGER RES. Job Reference (optional)	T20922666
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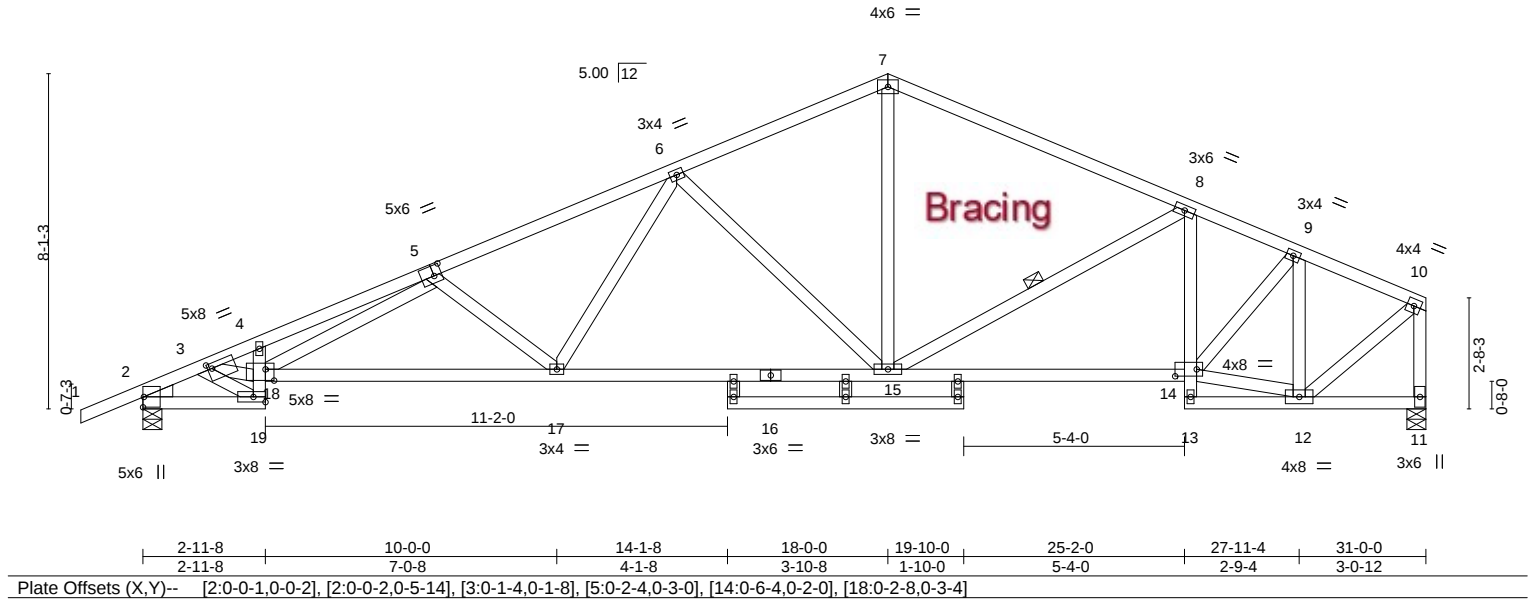
Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 4 13:02:01 2020 Page 1

ID:aWWYZLKSHCowoxc8cTivEVyrGuq-aiQkP69BsZYjNI2JdkHUqThv17wvxc8peYWVyrDVa

-1-6-0	1-5-14	2-11-8	7-0-0	12-10-12	18-0-0	25-2-0	27-11-4	31-0-0
1-6-0	1-5-14	1-5-10	4-0-8	5-10-12	5-1-4	7-2-0	2-9-4	3-0-12

Scale = 1:55.7



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.58	Vert(LL)	0.21 17-18	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.81	Vert(CT)	-0.38 17-18	>966	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.91	Horz(CT)	0.16 11	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS						
								Weight: 198 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
8-13,20-21: 2x4 SP No.3
WEBS 2x4 SP No.3
WEDGE
Left: 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 2-8-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 4-11-13 oc bracing.
WEBS 1 Row at midpt 8-15

REACTIONS.

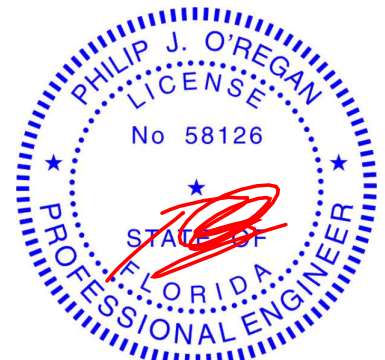
(size) 2=0-5-8, 11=0-5-8
Max Horz 2=243(LC 12)
Max Uplift 2=-500(LC 12), 11=-402(LC 13)
Max Grav 2=1225(LC 1), 11=1140(LC 1)

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

TOP CHORD 2-3=-1813/955, 3-4=-3246/1765, 4-5=-3712/2066, 5-6=-2259/1252, 6-7=-1384/853,
7-8=-1413/835, 8-9=-1420/817, 9-10=-904/492, 10-11=-1107/612
BOT CHORD 2-19=-877/1499, 18-19=-309/568, 17-18=-1377/2443, 15-17=-898/1725, 14-15=-707/1344,
8-14=-256/218
WEBS 3-19=-1017/581, 3-18=-1334/2380, 5-18=-638/1138, 5-17=-543/442, 6-17=-281/603,
6-15=-705/492, 7-15=-383/711, 12-14=-347/777, 9-14=-379/728, 9-12=-828/467,
10-12=-535/1041

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- All plates are 2x4 MT20 unless otherwise indicated.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=500, 11=402.



Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

August 4,2020

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	AMIRA BLDRS. - NICEWONGER RES.	T20922667
2380539	T16	Roof Special	1	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 4 13:02:03 2020 Page 1

ID:aWWYZLKSHCowoxc8cTlVcYrGuq-W5YUqoBSOApRccChl8nlZFZ2AqmKnr8_c77faOyrDVY

-1-6-0	1-5-14	2-11-8	7-0-0	12-10-12	19-9-0	25-2-0	27-11-4	31-0-0
1-6-0	1-5-14	1-5-10	4-0-8	5-10-12	6-10-4	5-5-0	2-9-4	3-0-12

Scale = 1:56.9

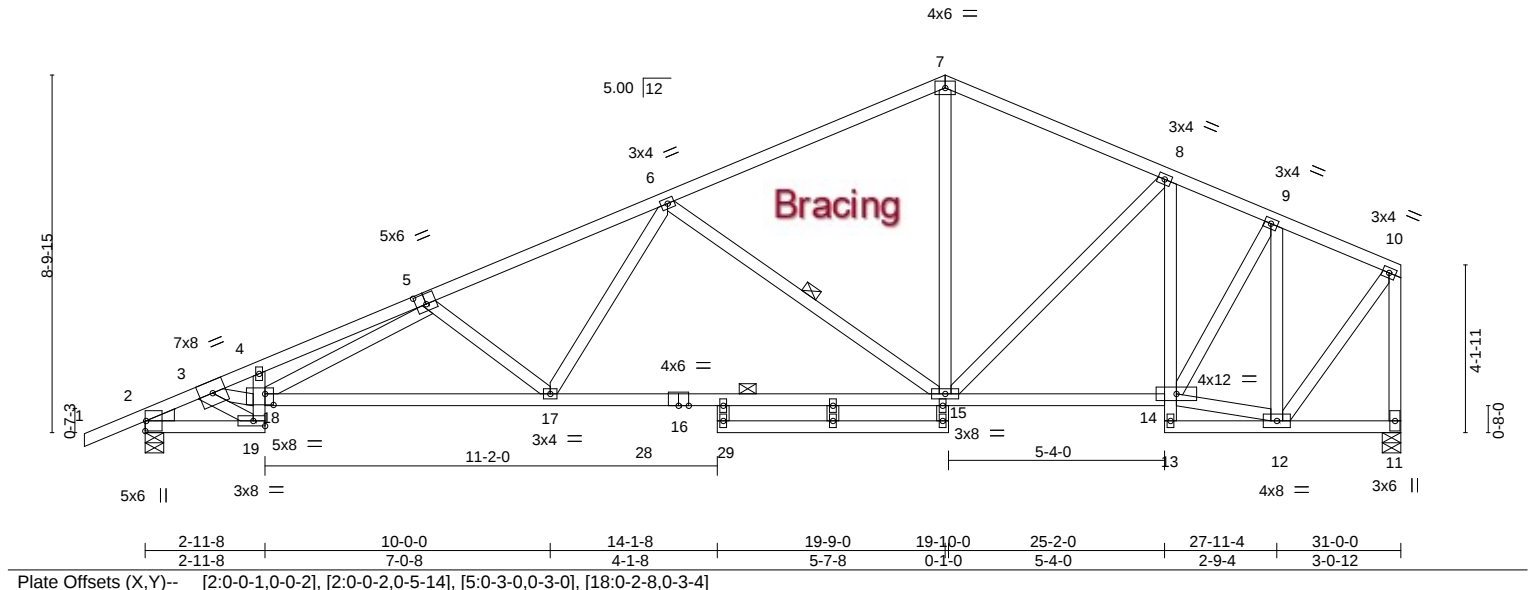


Plate Offsets (X,Y)--		[2:0-0-1,0-0-2], [2:0-0-2,0-5-14], [5:0-3-0,0-3-0], [18:0-2-8,0-3-4]
LOADING (psf)	SPACING-	2-0-0
TCLL 20.0	Plate Grip DOL	1.25
TCDL 7.0	Lumber DOL	1.25
BCLL 0.0 *	Rep Stress Incr	YES
BCDL 10.0	Code FBC2017/TPI2014	
	CSI.	
	TC 0.53	
	BC 0.98	
	WB 0.90	
	Matrix-MS	
	DEFL.	
	in (loc)	l/defl
	Vert(LL) -0.23 15-17	>999
	Vert(CT) -0.51 15-17	>721
	Horz(CT) 0.15 11	n/a
	PLATES	GRIP
	MT20	244/190
	Weight: 210 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2 *Except*
 8-13,20-21: 2x4 SP No.3
 WEBS 2x4 SP No.3
 WEDGE
 Left: 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 2-8-2 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing. Except:
 5-11-0 oc bracing: 15-17
 WEBS 1 Row at midpt 6-15

REACTIONS.

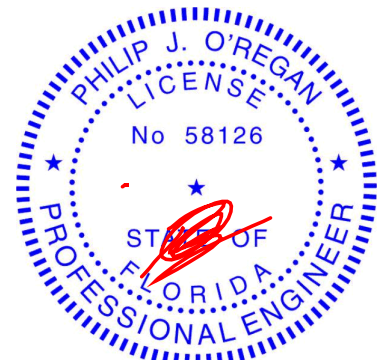
(size) 2=0-5-8, 11=0-5-8
 Max Horz 2=299(LC 12)
 Max Uplift 2=-506(LC 12), 11=-382(LC 13)
 Max Grav 2=1225(LC 1), 11=1140(LC 1)

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

TOP CHORD 2-3=-1812/938, 3-4=-3244/1790, 4-5=-3708/2112, 5-6=-2271/1239, 6-7=-1225/746,
 7-8=-1206/754, 8-9=-1045/636, 9-10=-659/372, 10-11=-1110/621
 BOT CHORD 2-19=-939/1498, 18-19=-337/564, 17-18=-1453/2455, 15-17=-984/1738, 14-15=-506/959,
 8-14=-396/249
 WEBS 3-19=-1007/631, 3-18=-1419/2371, 5-18=-692/1121, 5-17=-527/436, 6-17=-258/636,
 6-15=-840/598, 7-15=-305/573, 12-14=-278/540, 9-14=-357/691, 9-12=-871/512,
 10-12=-514/975

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- All plates are 2x4 MT20 unless otherwise indicated.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=506, 11=382.



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 Date:

August 4,2020

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6904 Parke East Blvd.
 Tampa, FL 36610

Job 2380539	Truss T17	Truss Type Roof Special	Qty 2	Ply 1	AMIRA BLDRS. - NICEWONGER RES. Job Reference (optional)	T20922668
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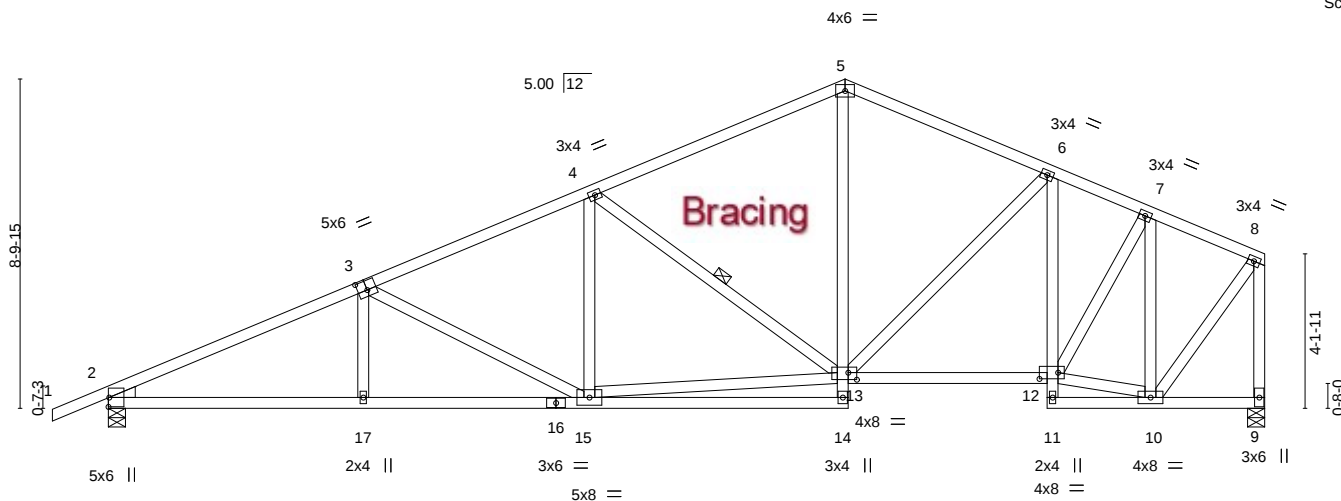
Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 4 13:02:08 2020 Page 1

ID:aWWYZLKSHCowoxc8cTlvEVyrGuq-t2LNtVFaCjRkiN4fXhMwGIGvrrX729RkIPrQGbyrDVT

-1-6-0 1-6-0	6-10-0 6-10-0	12-10-12 6-0-12	19-9-0 6-10-4	25-2-0 5-5-0	27-11-4 2-9-4	31-0-0 3-0-12
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Scale = 1:61.8



	6-10-0 6-10-0	12-10-12 6-0-12	19-10-0 6-11-4	25-2-0 5-4-0	27-11-4 2-9-4	31-0-0 3-0-12
Plate Offsets (X,Y)--	[2:0-0-1,0-0-2],	[2:0-0-2,0-5-14],	[3:0-3-0,0-3-0],	[12:0-6-0,0-2-0],	[13:0-2-12,0-2-4]	

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 0.53	Vert(LL)	0.13 15-17	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.71	Vert(CT)	-0.22 14-15	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.71	Horz(CT)	0.07 9	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS					Weight: 206 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2 *Except*
 5-14-6-11: 2x4 SP No.3
 WEBS 2x4 SP No.3
 WEDGE
 Left: 2x4 SP No.3

BRACING-

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

REACTIONS.

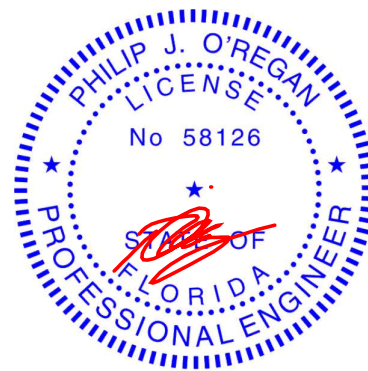
(size) 2=0-5-8, 9=0-5-8
 Max Horz 2=299(LC 12)
 Max Uplift 2=-506(LC 12), 9=-382(LC 13)
 Max Grav 2=1225(LC 1), 9=1140(LC 1)

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

TOP CHORD 2-3=-2184/1133, 3-4=-1752/970, 4-5=-1208/748, 5-6=-1189/756, 6-7=-1050/635, 7-8=-659/372, 8-9=-1110/621
 BOT CHORD 2-17=-1142/1948, 15-17=-1142/1947, 5-13=-307/554, 12-13=-506/966, 6-12=-364/254
 WEBS 3-15=-446/317, 4-15=-33/336, 13-15=-797/1415, 4-13=-667/446, 10-12=-273/584, 7-12=-356/700, 7-10=-881/511, 8-10=-514/975

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=506, 9=382.



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 Date:

August 4,2020

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6904 Parke East Blvd.
 Tampa, FL 33610

Job 2380539	Truss T18	Truss Type Roof Special	Qty 2	Ply 1	AMIRA BLDRS. - NICEWONGER RES. Job Reference (optional)	T20922669
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Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 4 13:02:12 2020 Page 1

ID: aWWYZLKSHCowoxc8cTivEVyrGuq-lqbujt15GxxAB_OQmXRsq8QarTqq_wAJg0pdPMYrDVP

1-5-14	2-11-8	7-0-0	12-10-12	19-9-0	25-2-0	27-11-4	31-0-0
1-5-14	1-5-10	4-0-8	5-10-12	6-10-4	5-5-0	2-9-4	3-0-12

Scale = 1:56.9

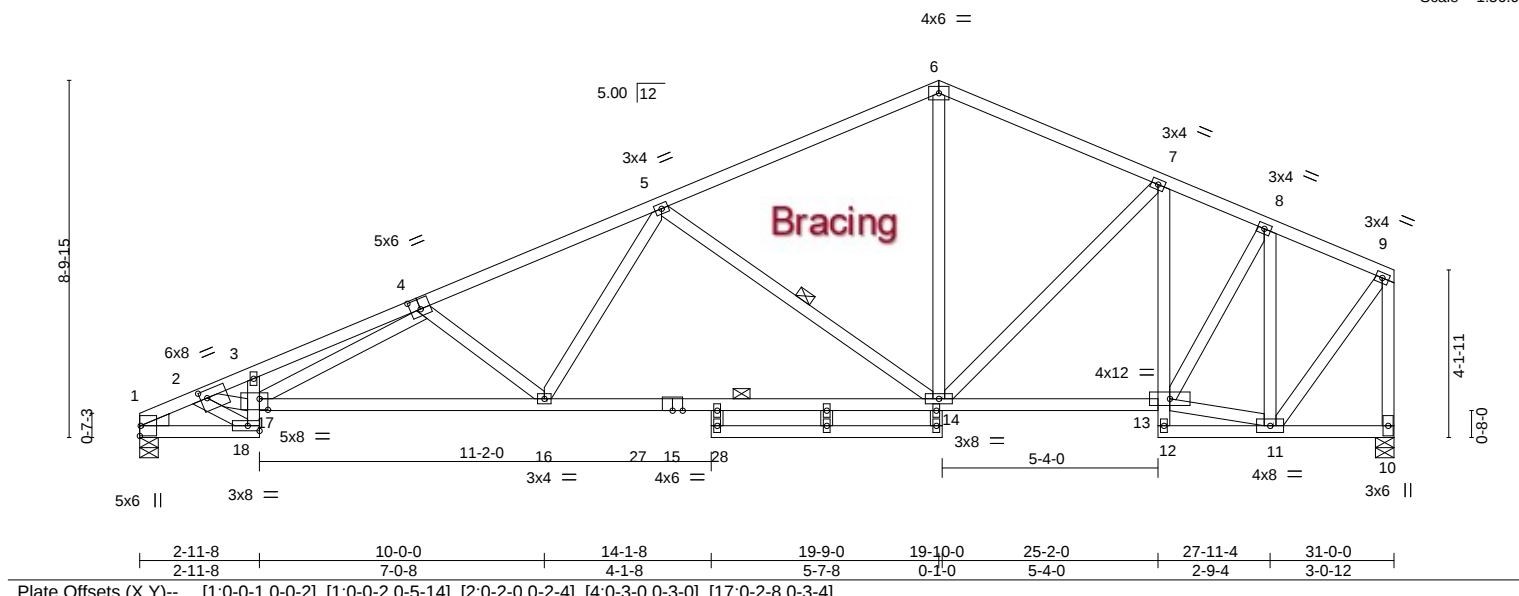


Plate Offsets (X,Y)--		[1:0-0-1,0-0-2], [1:0-0-2,0-5-14], [2:0-2-0,0-2-4], [4:0-3-0,0-3-0], [17:0-2-8,0-3-4]							
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.53	Vert(LL)	-0.23 14-16	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.99	Vert(CT)	-0.51 14-16	>720	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.92	Horz(CT)	0.15 10	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS					Weight: 207 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2 *Except*
 7-12,19-20: 2x4 SP No.3
 WEBS 2x4 SP No.3
 WEDGE
 Left: 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 2-7-10 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing. Except:
 5-11-0 oc bracing: 14-16
 WEBS 1 Row at midpt 5-14

REACTIONS.

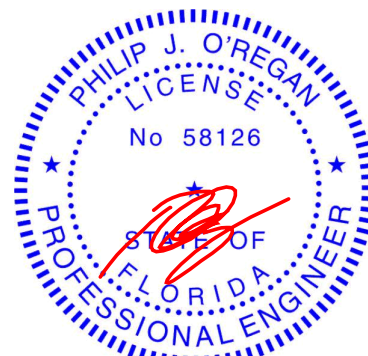
(size) 1=0-5-8, 10=0-5-8
 Max Horz 1=273(LC 12)
 Max Uplift 1=-455(LC 12), 10=-383(LC 13)
 Max Grav 1=1142(LC 1), 10=1142(LC 1)

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

TOP CHORD 1-2=-1876/984, 2-3=-3302/1832, 3-4=-3775/2160, 4-5=-2283/1248, 5-6=-1228/748,
 6-7=-1209/756, 7-8=-1047/637, 8-9=-661/373, 9-10=-1112/623
 BOT CHORD 1-18=-989/1567, 17-18=-361/596, 16-17=-1466/2474, 14-16=-989/1745, 13-14=-508/961,
 7-13=-397/250
 WEBS 2-18=-1065/673, 2-17=-1443/2405, 4-17=-728/1171, 4-16=-537/443, 5-16=-263/638,
 5-14=-845/602, 6-14=-306/574, 11-13=-279/541, 8-13=-358/692, 8-11=-873/513,
 9-11=-515/977

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- All plates are 2x4 MT20 unless otherwise indicated.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=455, 10=383.



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 Date:

August 4,2020

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6904 Parke East Blvd.
 Tampa, FL 33610

Job 2380539	Truss T19	Truss Type Roof Special	Qty 2	Ply 1	AMIRA BLDRS. - NICEWONGER RES. Job Reference (optional)	T20922670
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Builders FirstSource, Jacksonville, FL - 32244,

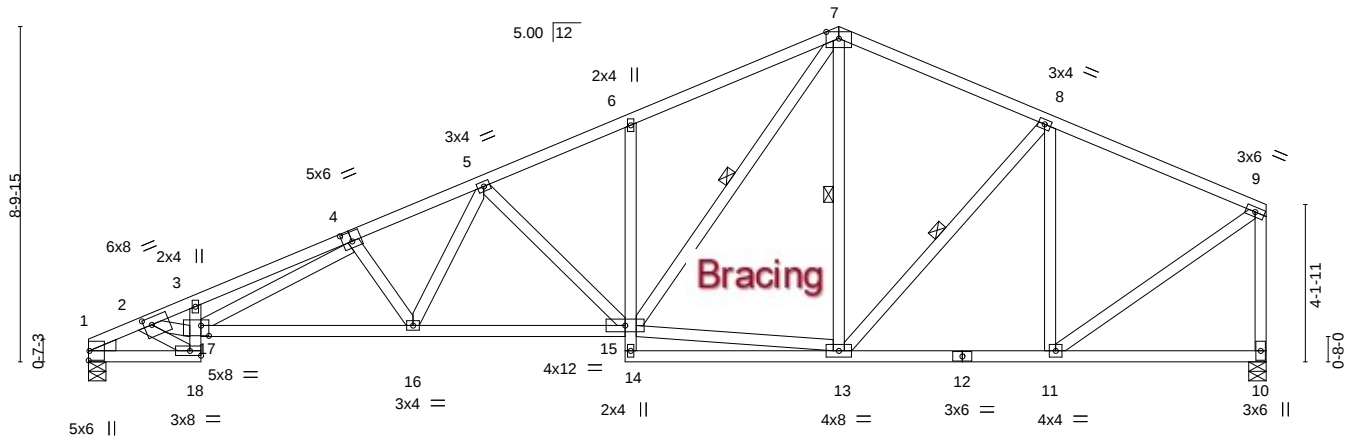
8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 4 13:02:14 2020 Page 1

ID: aWWYZLKSHCowoxc8cTivEVyrGuq-iCje8ZJLoZBtQIYpuyTKWZWxoGY8Sqoc8KikTFyrDVN

1-5-14	2-11-8	6-10-0	10-4-13	14-1-8	19-9-0	25-3-12	31-0-0
1-5-14	1-5-10	3-10-8	3-6-13	3-8-11	5-7-8	5-6-12	5-8-4

5x8 =

Scale = 1:60.7



2-11-8	8-6-8	14-1-8	19-9-0	25-3-12	31-0-0
2-11-8	5-7-0	5-7-0	5-7-8	5-6-12	5-8-4

Plate Offsets (X,Y)-- [1:0-0-1,0-0-2], [1:0-0-2,0-5-14], [2:0-2-8,0-2-4], [4:0-3-0,0-3-0], [17:0-2-8,0-3-4]

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 0.50	Vert(LL)	0.22 16-17	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.87	Vert(CT)	-0.34 16-17	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.91	Horz(CT)	0.14 10	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS						
								Weight: 206 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
6-14: 2x4 SP No.3
WEBS 2x4 SP No.3
WEDGE
Left: 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 2-7-5 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 4-10-0 oc bracing.
WEBS 1 Row at midpt 7-15, 7-13, 8-13

REACTIONS.

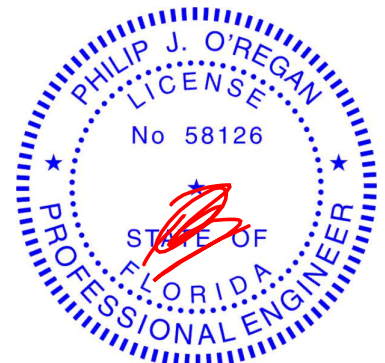
(size) 1=0-5-8, 10=0-5-8
Max Horz 1=273(LC 12)
Max Uplift 1=-455(LC 12), 10=-383(LC 13)
Max Grav 1=1142(LC 1), 10=1142(LC 1)

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

TOP CHORD 1-2=-1874/982, 2-3=-3296/1832, 3-4=-3766/2170, 4-5=-2464/1374, 5-6=-1756/1024,
6-7=-1775/1148, 7-8=-1112/719, 8-9=-993/563, 9-10=-1090/632
BOT CHORD 1-18=-987/1565, 17-18=-355/586, 16-17=-1453/2474, 15-16=-1130/1989, 6-15=-289/285,
11-13=-458/872
WEBS 2-18=-1043/660, 2-17=-1436/2385, 4-17=-749/1156, 4-16=-436/354, 5-16=-300/574,
5-15=-567/378, 13-15=-407/847, 7-15=-696/1075, 8-11=-486/352, 9-11=-545/1043

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=455, 10=383.



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6904 Parke East Blvd. Tampa FL 33610
Date:

August 4,2020

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	AMIRA BLDRS. - NICEWONGER RES.	T20922671
2380539	T20	Roof Special	1	1	Job Reference (optional)	

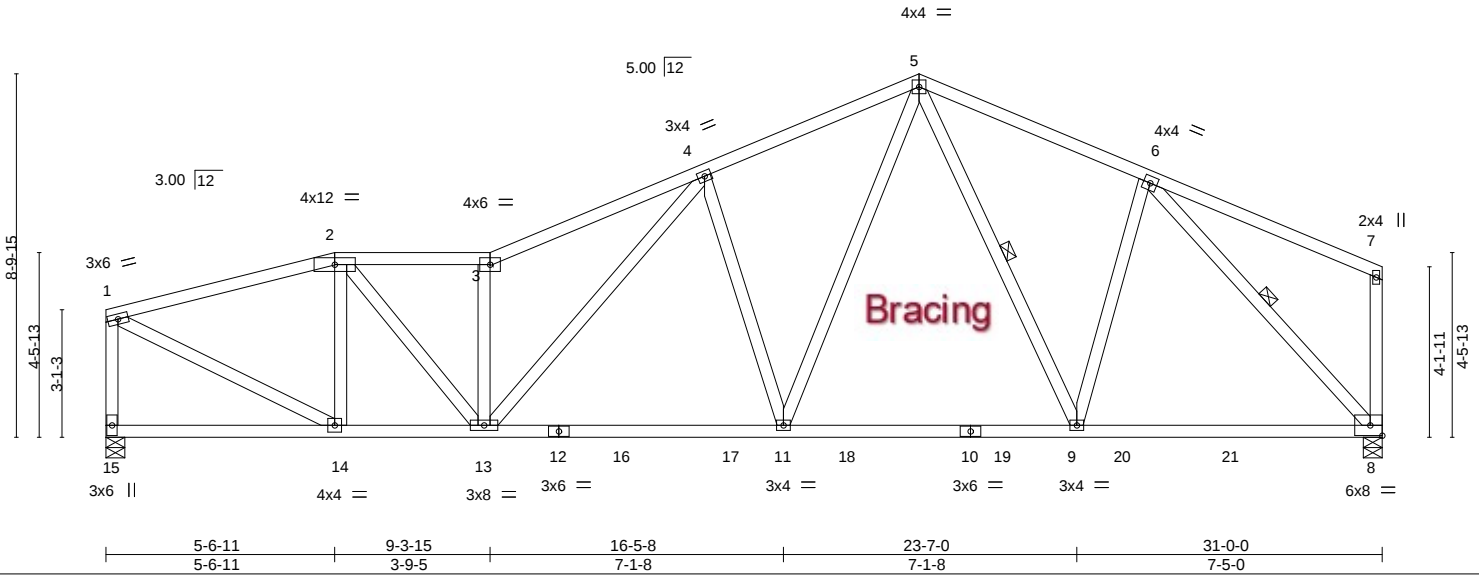
Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 4 13:02:15 2020 Page 1

ID:aWWYZLkSHCOWoxc8cTlVrGuq-APH0LvKzZsJk2S7?Sf?Z2n270gxBLSmM_1l?hrDVM

5-6-11	9-3-15	14-6-8	19-9-0	25-2-12	31-0-0
5-6-11	3-9-5	5-2-8	5-2-8	5-5-12	5-9-4

Scale = 1:56.0



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.41	Vert(LL)	-0.12 11-13	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.65	Vert(CT)	-0.25 11-13	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.69	Horz(CT)	0.05 8	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS					Weight: 202 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 3-10-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-11-1 oc bracing.
WEBS 1 Row at midpt 5-9, 6-8

REACTIONS.

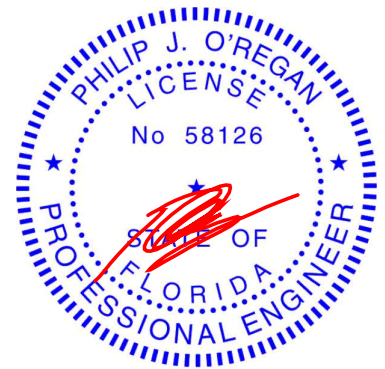
(size) 15=0-5-8, 8=0-5-8
Max Horz 15=149(LC 12)
Max Uplift 15=-458(LC 12), 8=-378(LC 13)
Max Grav 15=1136(LC 1), 8=1158(LC 2)

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

TOP CHORD 1-2=-1326/692, 2-3=-1743/947, 3-4=-1968/1110, 4-5=-1417/872, 5-6=-1098/697,
1-15=-1080/599
BOT CHORD 13-14=-675/1233, 11-13=-733/1406, 9-11=-447/975, 8-9=-451/886
WEBS 2-14=-534/338, 2-13=-392/817, 3-13=-948/593, 4-13=-339/612, 4-11=-589/459,
5-11=-427/804, 6-9=-47/369, 1-14=-683/1364, 6-8=-1289/659

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (it=lb) 15=458, 8=378.



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Date:

August 4, 2020

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



6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	AMIRA BLDRS. - NICEWONGER RES.	T20922672
2380539	T21	Roof Special	1	1		
Job Reference (optional)						

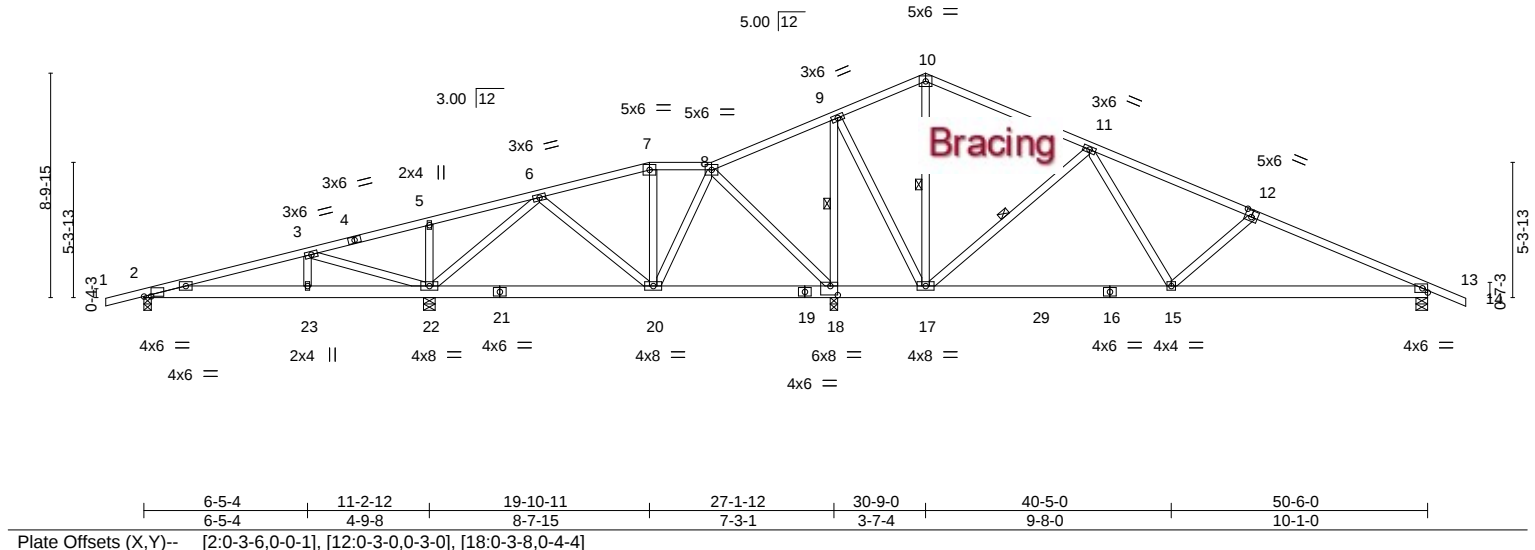
Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 4 13:02:17 2020 Page 1

ID:aWWYZLKSHCwoxoc8cTivEVyrGuq-6nOnmaME5UZHGOZ4117C8TJUhQfHF2qIWO4ayrDVK

1-6-0	6-5-4	11-2-12	15-6-11	19-10-11	22-3-15	27-1-12	30-9-0	37-2-5	43-7-0	50-6-0	52-0-0
1-6-0	6-5-4	4-9-8	4-3-15	4-3-15	2-5-5	4-9-13	3-7-4	6-5-5	6-4-11	6-11-0	1-6-0

Scale = 1:90.6



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.42	Vert(LL)	-0.08 15-17	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.45	Vert(CT)	-0.14 15-28	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.48	Horz(CT)	0.01 13	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS					Weight: 316 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-10-3 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 9-18, 10-17, 11-17

REACTIONS.

All bearings 0-3-8 except (jt=length) 22=0-5-8, 13=0-5-8.

(lb) - Max Horz 2=-188(LC 17)

Max Uplift All uplift 100 lb or less at joint(s) except 2=-315(LC 8), 22=-661(LC 8), 18=-579(LC 12), 13=-376(LC 13)

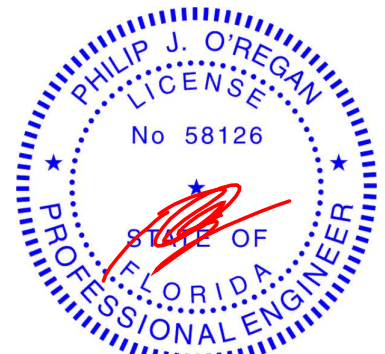
Max Grav All reactions 250 lb or less at joint(s) except 2=382(LC 23), 22=1088(LC 23), 18=1696(LC 1), 13=822(LC 24)

FORCES.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-368/461, 3-5=-445/450, 5-6=-383/448, 8-9=-154/510, 11-12=-985/536, 12-13=-1258/654
BOT CHORD 2-23=-360/347, 22-23=-360/347, 20-22=-105/266, 18-20=-230/319, 17-18=-421/489, 15-17=-127/592, 13-15=-483/1101
WEBS 3-23=-282/213, 3-22=-783/990, 6-22=-675/430, 8-20=-91/325, 8-18=-436/259, 9-18=-1268/704, 9-17=-421/945, 11-17=-747/537, 11-15=-215/580, 12-15=-349/349

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCCL=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 exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 315 lb uplift at joint 2, 661 lb uplift at joint 22, 579 lb uplift at joint 18 and 376 lb uplift at joint 13.



Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

August 4, 2020

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	AMIRA BLDRS. - NICEWONGER RES.	T20922673
2380539	T22	Roof Special	1	1		
Job Reference (optional)						

Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 4 13:02:20 2020 Page 1

ID: aWWYZLKSHCowoxc8cTivEVyrGuq-XM4vOcO6NPY18D?yEDaklqmbzh_sZfVWGI2hvyrDVH

1-6-0	6-5-4	11-2-12	18-6-0	23-2-11	24-3-15	30-9-0	37-2-5	43-7-0	50-6-0	52-0-0
1-6-0	6-5-4	4-9-8	7-3-4	4-8-11	1-1-5	6-5-1	6-5-5	6-4-11	6-11-0	1-6-0

Scale = 1:90.6

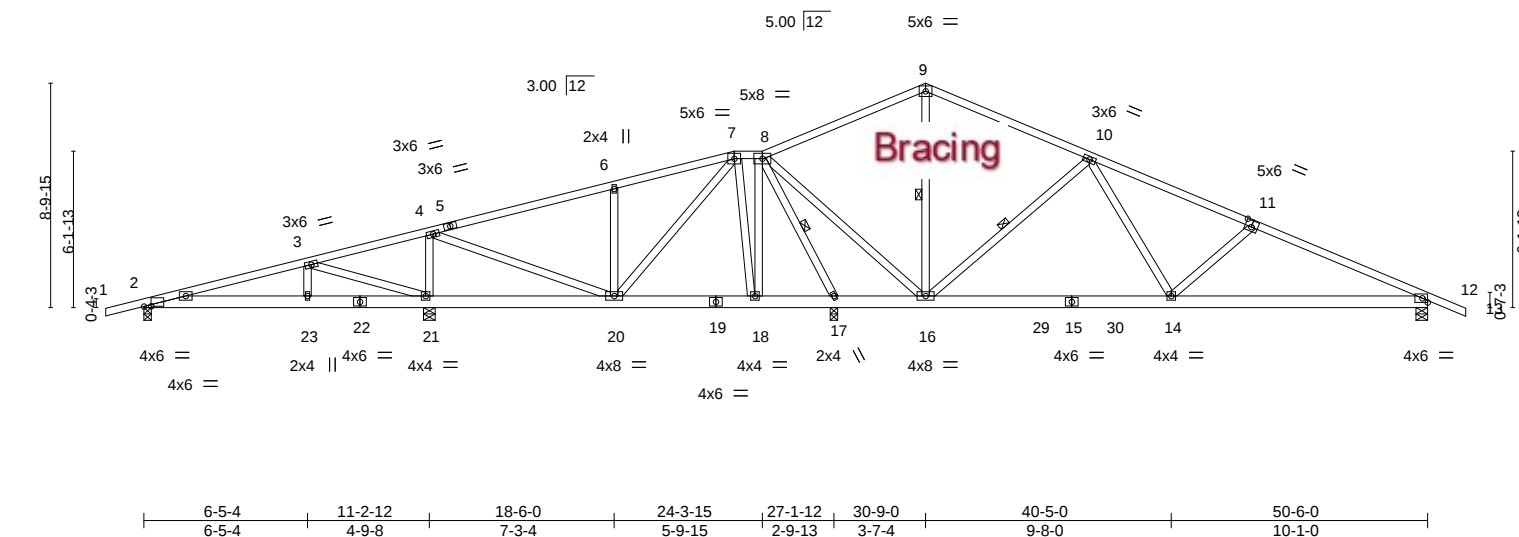


Plate Offsets (X,Y)-- [2:0-3-6,0-0-1], [11:0-3-0,0-3-0]									
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d		PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.48	Vert(LL)	-0.09 14-16 >999	240	MT20 244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.46	Vert(CT)	-0.16 14-16 >999	180	
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.82	Horz(CT)	0.01 12 n/a	n/a	
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS					Weight: 320 lb FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-8-10 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 8-17, 9-16, 10-16

REACTIONS.

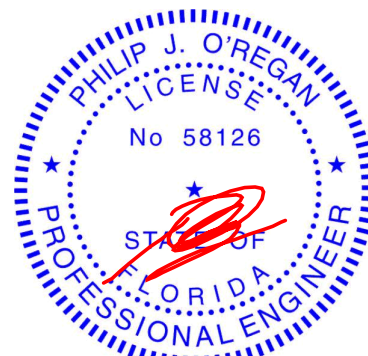
All bearings 0-3-8 except (jt=length) 21=0-5-8, 12=0-5-8.
(lb) - Max Horz 2=-188(LC 17)
Max Uplift All uplift 100 lb or less at joint(s) except 2=-311(LC 8), 21=-687(LC 8), 17=-539(LC 12), 12=-389(LC 13)
Max Grav All reactions 250 lb or less at joint(s) except 2=379(LC 23), 21=1137(LC 23), 17=1587(LC 1), 12=851(LC 24)

FORCES.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-353/437, 3-4=-421/468, 4-6=-343/118, 6-7=-336/198, 10-11=-1055/578, 11-12=-1328/697
BOT CHORD 2-23=-333/316, 21-23=-333/316, 20-21=-419/558, 18-20=-145/293, 17-18=-178/310, 16-17=-805/692, 14-16=-163/657, 12-14=-523/1166
WEBS 3-23=-282/230, 3-21=-742/934, 4-21=-773/550, 4-20=-401/719, 6-20=-365/329, 7-20=-195/356, 7-18=-254/123, 8-18=-71/281, 8-17=-1578/847, 8-16=-591/1218, 10-16=-748/529, 10-14=-219/581, 11-14=-350/351

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 311 lb uplift at joint 2, 687 lb uplift at joint 21, 539 lb uplift at joint 17 and 389 lb uplift at joint 12.



Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

August 4, 2020

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	AMIRA BLDRS. - NICEWONGER RES.	T20922674
2380539	T23	Roof Special	4	1	Job Reference (optional)	

Builders FirstSource,
Jacksonville, FL - 32244,

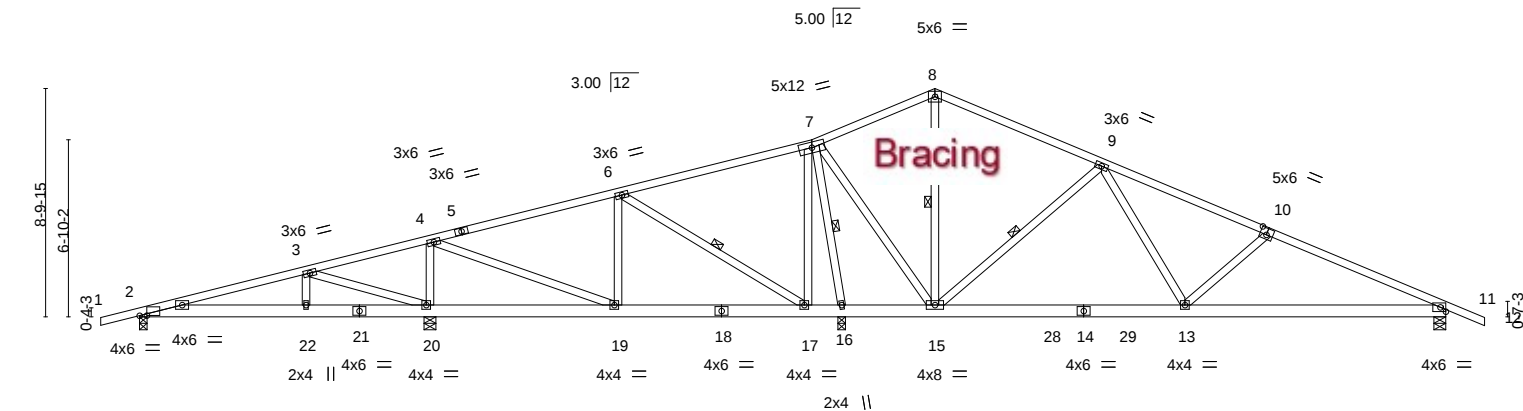
8.240 s Mar 9 2020
MiTek Industries, Inc.
Tue Aug 4 13:02:22 2020
Page 1

ID:aWWYZLKSHCowoxc8cTivEVyrGuq-TlCgplQMv0CIOX9LMedCqFrHmVNKKX5nzaE9lNyrDVF

1-6-0 | 6-5-4 | 11-2-12 | 18-6-0 | 25-11-14 | 30-9-0 | 37-2-5 | 43-7-0 | 50-6-0 | 52-0-0

1-6-0 | 6-5-4 | 4-9-8 | 7-3-4 | 7-5-14 | 4-9-2 | 6-5-5 | 6-4-11 | 6-11-0 | 1-6-0

Scale = 1:89.1



	6-5-4	11-2-12	18-6-0	25-11-14	27-1-12	30-9-0	40-5-0	50-6-0	
	6-5-4	4-9-8	7-3-4	7-5-14	1-1-14	3-7-4	9-8-0	10-1-0	
Plate Offsets (X,Y)--	[2:0-3-6,0-0-1], [10:0-3-0,0-3-0]								
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.63	Vert(LL)	-0.08 13-15	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.45	Vert(CT)	-0.15 13-15	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.57	Horz(CT)	0.01 11	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS					Weight: 314 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 4-10-1 oc purlins.
BOT CHORD 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SP No.3	WEBS 1 Row at midpt 6-17, 7-16, 8-15, 9-15

REACTIONS. All bearings 0-3-8 except (jt=length) 20=0-5-8, 11=0-5-8.

(lb) - Max Horz 2=-188(LC 17)

Max Uplift All uplift 100 lb or less at joint(s) except 2=-313(LC 8), 20=-660(LC 8), 16=-576(LC 12), 11=-373(LC 13)

Max Grav All reactions 250 lb or less at joint(s) except 2=380(LC 23), 20=1095(LC 23), 16=1683(LC 1), 11=825(LC 24)

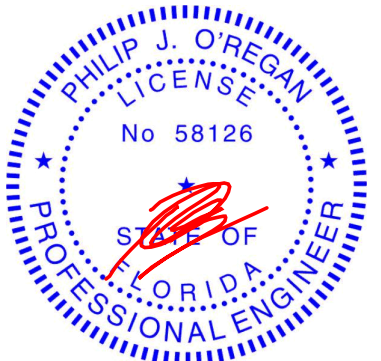
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 2-3=-355/458, 3-4=-411/477, 4-6=-300/97, 6-7=-135/386, 9-10=-992/521, 10-11=-1265/640

BOT CHORD 2-22=-354/324, 20-22=-354/324, 19-20=-429/550, 17-19=-82/262, 16-17=-336/466, 15-16=-590/596, 13-15=-111/597, 11-13=-470/1107

WEBS 3-22=-281/234, 3-20=-761/947, 4-20=-732/501, 4-19=-355/689, 6-17=-529/293, 7-17=-25/273, 7-16=-1402/720, 7-15=-479/1021, 8-15=-263/131, 9-15=-749/537, 9-13=-220/582, 10-13=-350/350

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 313 lb uplift at joint 2, 660 lb uplift at joint 20, 576 lb uplift at joint 16 and 373 lb uplift at joint 11.



Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

August 4,2020

Job 2380539	Truss T24	Truss Type Hip	Qty 1	Ply 1	AMIRA BLDRS. - NICEWONGER RES. T20922675
Builders FirstSource, Jacksonville, FL - 32244,					

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ID: aWWYZLKSHCowoxc8cTivEVyrGuq-P7JQE_RdRdSTdqJkT2fgvgwdFI5FoOt4RujGqgyrDVD

1-6-0	6-5-4	11-2-12	18-6-0	25-11-14	29-8-8	31-9-8	37-8-4	43-7-0	49-2-15
1-6-0	6-5-4	4-9-8	7-3-4	7-5-14	3-8-10	2-1-0	5-10-12	5-10-12	5-7-15

Scale = 1:89.9

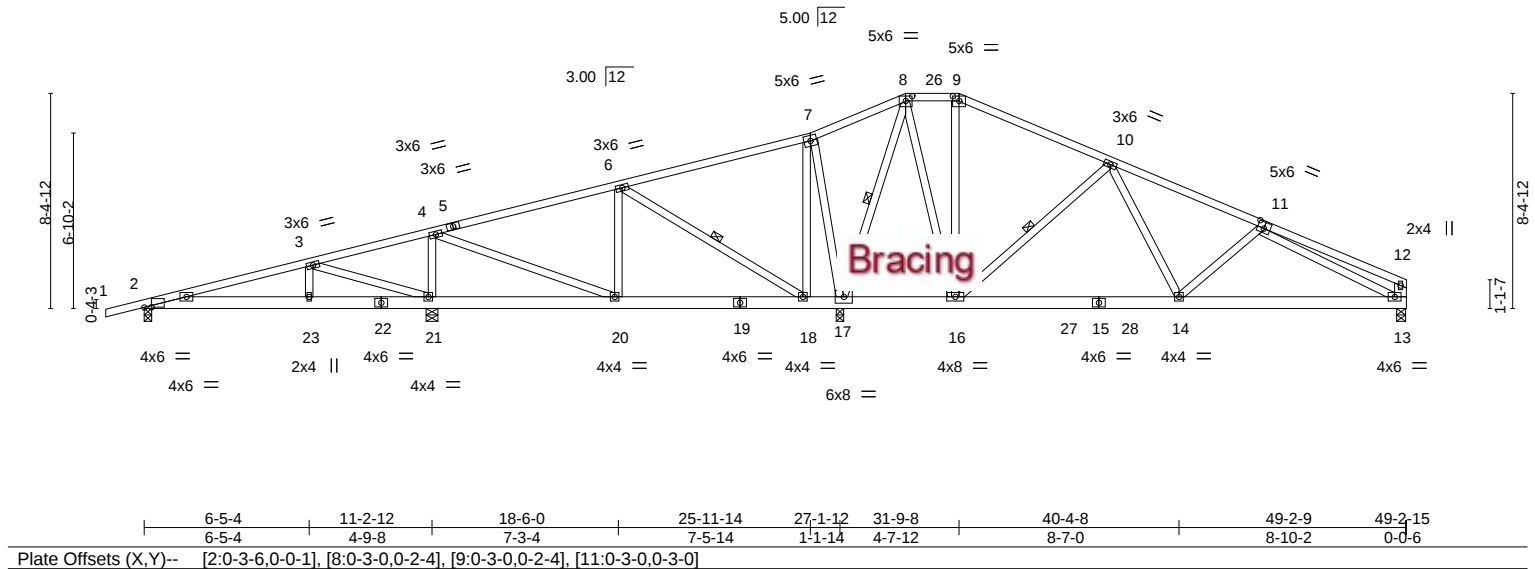


Plate Offsets (X,Y)--		[2:0-3-6,0-0-1], [8:0-3-0,0-2-4], [9:0-3-0,0-2-4], [11:0-3-0,0-3-0]
LOADING (psf)	SPACING-	2-0-0
TCLL 20.0	Plate Grip DOL	1.25
TCDL 7.0	Lumber DOL	1.25
BCLL 0.0 *	Rep Stress Incr	YES
BCDL 10.0	Code FBC2017/TPI2014	
CSI.	DEFL.	in (loc) l/defl L/d
TC 0.63	Vert(LL)	0.06 23-25 >999 240
BC 0.37	Vert(CT)	-0.10 13-14 >999 180
WB 0.74	Horz(CT)	0.01 13 n/a n/a
Matrix-MS		
PLATES	GRIP	
MT20	244/190	
Weight: 327 lb		FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3 *Except*
12-13: 2x6 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-11-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 6-18, 8-17, 10-16

REACTIONS.

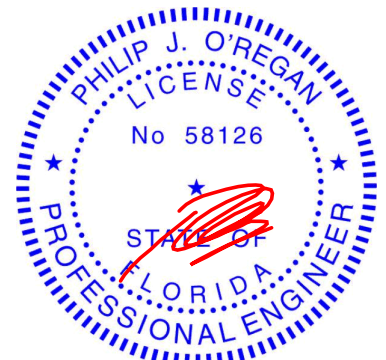
All bearings 0-3-8 except (it=length) 21=0-5-8, 13=0-4-3.
(lb) - Max Horz 2=209(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) except 2=-311(LC 8), 21=-656(LC 8), 17=-589(LC 12), 13=-296(LC 13)
Max Grav All reactions 250 lb or less at joint(s) except 2=382(LC 23), 21=1067(LC 23), 17=1647(LC 1), 13=697(LC 24)

FORCES.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-366/433, 3-4=-436/444, 4-6=-264/78, 6-7=-148/380, 7-8=-113/489, 10-11=-877/428
BOT CHORD 2-23=-412/335, 21-23=-412/335, 20-21=-397/487, 17-18=-333/395, 16-17=-151/292, 14-16=-140/592, 13-14=-409/898
WEBS 3-23=-281/233, 3-21=-759/946, 4-21=-702/502, 4-20=-358/640, 6-18=-528/295, 7-18=-69/357, 7-17=-520/303, 8-17=-1051/528, 8-16=-385/733, 10-16=-628/459, 10-14=-141/446, 11-14=-204/280, 11-13=-1035/472

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 311 lb uplift at joint 2, 656 lb uplift at joint 21, 589 lb uplift at joint 17 and 296 lb uplift at joint 13.



Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

August 4,2020

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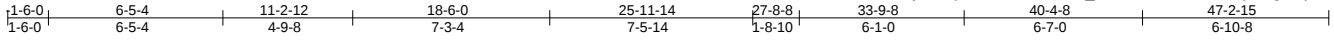
6904 Parke East Blvd.
Tampa, FL 36610

Job 2380539	Truss T25	Truss Type Hip	Qty 1	Ply 1	AMIRA BLDRS. - NICEWONGER RES. T20922676
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Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 4 13:02:25 2020 Page 1

ID: aWWYZLKSHCowoxc8cTivEVyrGuq-tKtoSJSFCxaKF_tw1mAvSuToNiRoXp0EgYSpM6yrDVC



Scale = 1:85.0

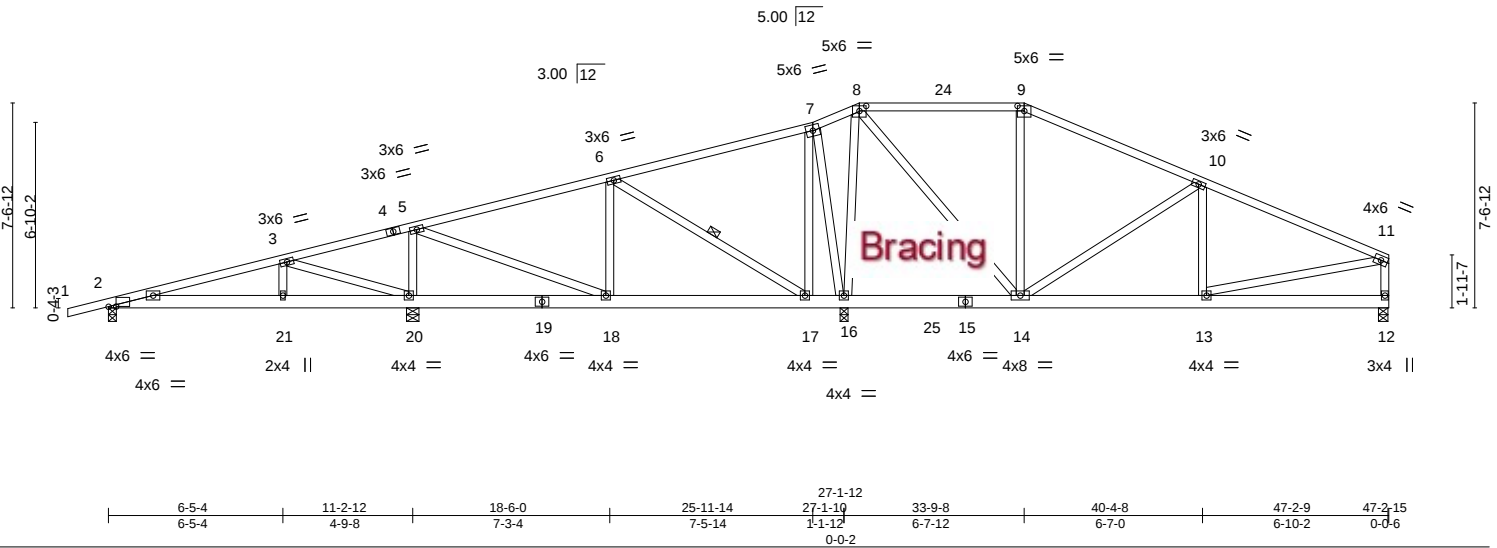


Plate Offsets (X,Y)-- [2:0-3-6,0-0-1], [8:0-3-0,0-2-4], [9:0-3-0,0-2-4]

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 0.61	Vert(LL)	0.06	21-23	>999	240	MT20
TCDL 7.0	Lumber DOL	1.25	BC 0.29	Vert(CT)	-0.06	21-23	>999	180	244/190
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.88	Horz(CT)	0.01	12	n/a	n/a	
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS						
								Weight: 309 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-10-10 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 6-17

REACTIONS.

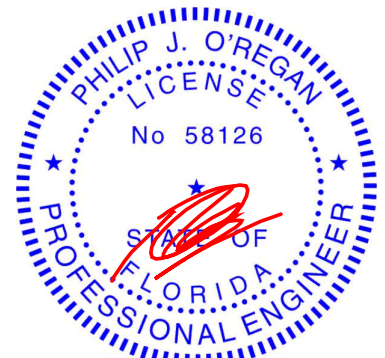
All bearings 0-3-8 except (jt=length) 20=0-5-8, 12=0-4-3.
(lb) - Max Horz 2=213(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) except 2=-309(LC 8), 20=-674(LC 8), 16=-593(LC 8), 12=-279(LC 13)
Max Grav All reactions 250 lb or less at joint(s) except 2=384(LC 23), 20=1085(LC 23), 16=1514(LC 1), 12=656(LC 24)

FORCES.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-374/421, 3-5=-446/430, 5-6=-301/107, 6-7=-79/268, 7-8=-60/350, 8-9=-314/261, 9-10=-421/233, 10-11=-806/361, 11-12=-591/313
BOT CHORD 2-21=-443/342, 20-21=-443/342, 18-20=-383/455, 16-17=-224/286, 14-16=-257/310, 13-14=-257/687
WEBS 3-21=-280/232, 3-20=-757/945, 5-20=-719/536, 5-18=-414/669, 6-17=-492/280, 7-17=-88/311, 7-16=-455/280, 8-16=-916/488, 8-14=-420/769, 10-14=-462/354, 11-13=-203/621

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 309 lb uplift at joint 2, 674 lb uplift at joint 20, 593 lb uplift at joint 16 and 279 lb uplift at joint 12.



Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

August 4,2020

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	AMIRA BLDRS. - NICEWONGER RES.	T20922677
2380539	T26	Roof Special	1	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

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ID:aWWYZLKSHCowoxc8CtIvEVyrGuq-LWRAffTtzFiAs8S6bTh8?5?z86mAGIJNuCCNuZyrDVB

1-6-0	6-5-4	11-2-12	18-6-0	25-6-4	30-7-14	35-9-8	40-4-8	45-2-15
1-6-0	6-5-4	4-9-8	7-3-4	7-0-4	5-1-10	5-1-10	4-7-0	4-10-8

Scale = 1:80.1

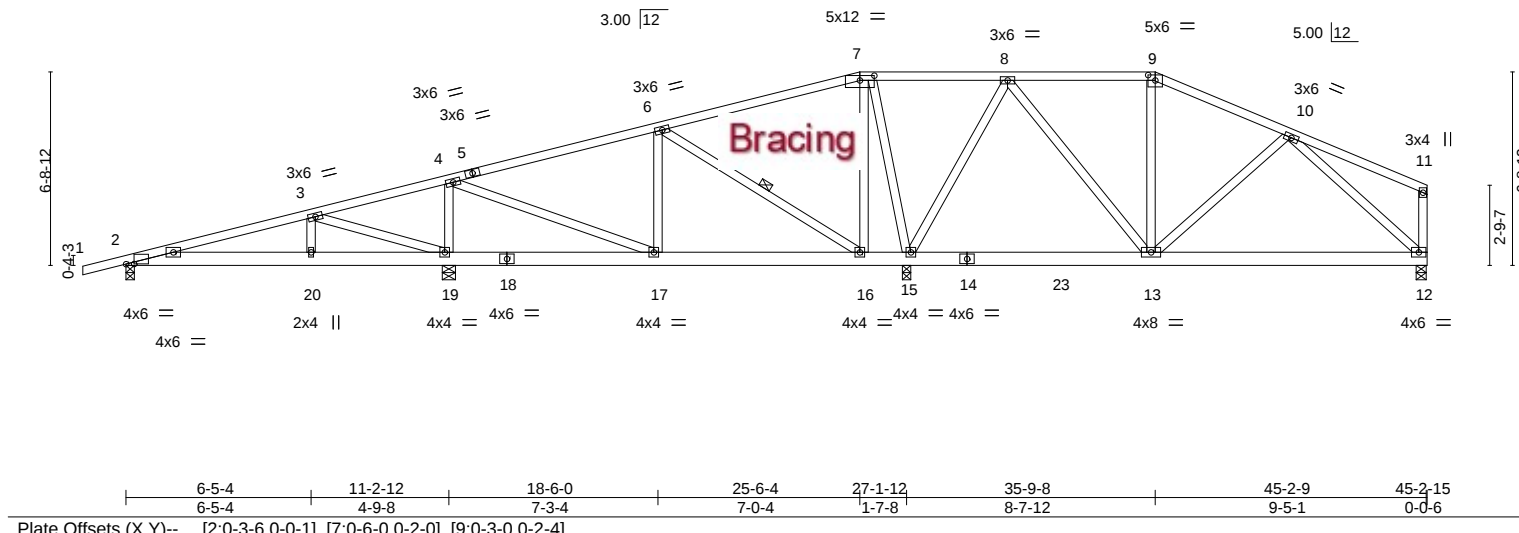


Plate Offsets (X,Y)--		[2:0-3-6,0-0-1], [7:0-6-0,0-2-0], [9:0-3-0,0-2-4]							
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP	
TCLL 20.0	Plate Grip DOL 1.25	TC 0.54	Vert(LL)	-0.06 12-13	>999	240	MT20	244/190	
TCDL 7.0	Lumber DOL 1.25	BC 0.34	Vert(CT)	-0.12 12-13	>999	180			
BCLL 0.0 *	Rep Stress Incr YES	WB 0.75	Horz(CT)	0.01 12	n/a	n/a			
BCDL 10.0	Code FBC2017/TPI2014	Matrix-MS					Weight: 289 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 6-0-0 oc bracing.
WEBS 1 Row at midpt 6-16

REACTIONS.

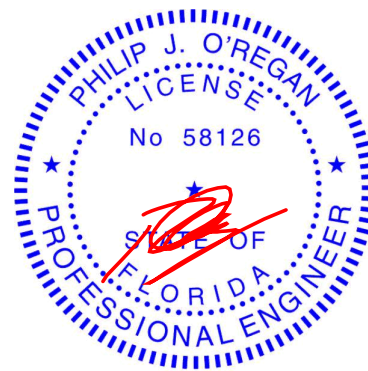
All bearings 0-3-8 except (jt=length) 19=0-5-8, 12=0-4-3.
(lb) - Max Horz 2=219(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) except 2=-306(LC 8), 19=-678(LC 8), 15=-620(LC 8), 12=-248(LC 13)
Max Grav All reactions 250 lb or less at joint(s) except 2=384(LC 23), 19=1084(LC 23), 15=1423(LC 1), 12=586(LC 24)

FORCES.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-370/399, 3-4=-465/428, 4-6=-293/111, 7-8=-101/323, 8-9=-380/255, 9-10=-468/240
BOT CHORD 2-20=-467/339, 19-20=-467/339, 17-19=-381/428, 12-13=-191/435
WEBS 3-20=-280/232, 3-19=-753/942, 4-19=-720/547, 4-17=-425/660, 6-16=-459/259, 7-16=-92/273, 7-15=-616/342, 8-15=-752/452, 8-13=-213/453, 10-12=-551/250

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 306 lb uplift at joint 2, 678 lb uplift at joint 19, 620 lb uplift at joint 15 and 248 lb uplift at joint 12.



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August 4,2020

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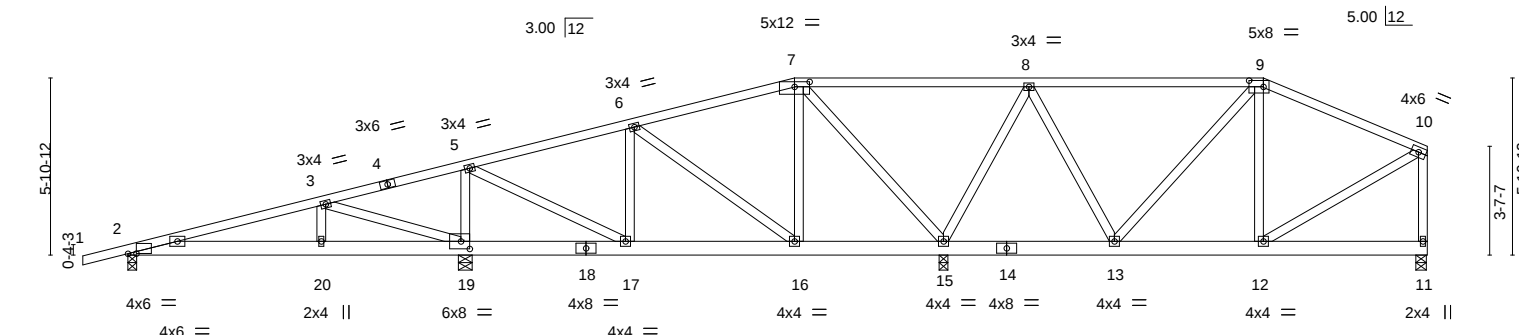
6904 Parke East Blvd.
Tampa, FL 36610

Job 2380539	Truss T27	Truss Type Roof Special	Qty 1	Ply 1	AMIRA BLDRS. - NICEWONGER RES. T20922678
Builders FirstSource, Jacksonville, FL - 32244,					

8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 4 13:02:27 2020 Page 1
ID: aWWYZLKSHCowoxc8cTivEVyrGuq-pi?Zt?TVkYq1UI1J9BCNXJY5fW7Q?nSX7sxwR?yrDVA

1-6-0	6-5-4	11-2-12	16-8-8	22-2-4	29-11-14	37-9-8	43-2-15
1-6-0	6-5-4	4-9-8	5-5-12	5-5-12	7-9-10	7-9-10	5-5-7

Scale = 1:76.7



	6-5-4	11-2-12	16-8-8	22-2-4	27-1-12	32-10-0	37-9-8	43-2-9	43-2-15
	6-5-4	4-9-8	5-5-12	5-5-12	4-11-8	5-8-4	4-11-8	5-5-1	0-0-6
Plate Offsets (X,Y)--	[2:0-3-6,0-0-1], [7:0-6-0,0-2-0], [9:0-5-12,0-2-8], [19:0-3-8,0-3-0]								

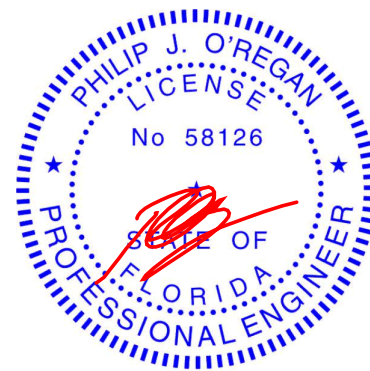
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.75	Vert(LL)	0.06 20-22	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.28	Vert(CT)	-0.06 20-22	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.62	Horz(CT)	0.01 11	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS					Weight: 273 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
WEBS 2x4 SP No.3	9-8-12 oc bracing: 2-20
	6-0-0 oc bracing: 17-19.

REACTIONS. All bearings 0-3-8 except (it=length) 19=0-5-8, 11=0-4-3.
(lb) - Max Horz 2=224(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) except 2=-302(LC 8), 19=-695(LC 8), 15=-592(LC 8), 11=-222(LC 13)
Max Grav All reactions 250 lb or less at joint(s) except 2=379(LC 23), 19=1111(LC 23), 15=1299(LC 1), 11=517(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-361/368, 3-5=-512/467, 7-8=-128/303, 9-10=-419/194, 10-11=-466/239
BOT CHORD 2-20=-482/330, 19-20=-482/330, 17-19=-423/431, 12-13=-119/338
WEBS 3-20=-273/244, 3-19=-792/961, 5-19=-750/554, 5-17=-455/703, 6-17=-215/261, 7-15=-614/327, 8-15=-805/492, 8-13=-78/314, 10-12=-123/371

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 302 lb uplift at joint 2, 695 lb uplift at joint 19, 592 lb uplift at joint 15 and 222 lb uplift at joint 11.



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MiTek USA, Inc. FL Cert 6634
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Date:

August 4,2020

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	AMIRA BLDRS. - NICEWONGER RES.	T20922679
2380539	T28	Half Hip	1	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

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ID:aWWYZLKSHCowoxc8cTivEVyrGuq-lvZx4LU7Vsyu6ScViujc4W5GvQ3kFLgMWhUzRyrdV9



Scale = 1:72.0

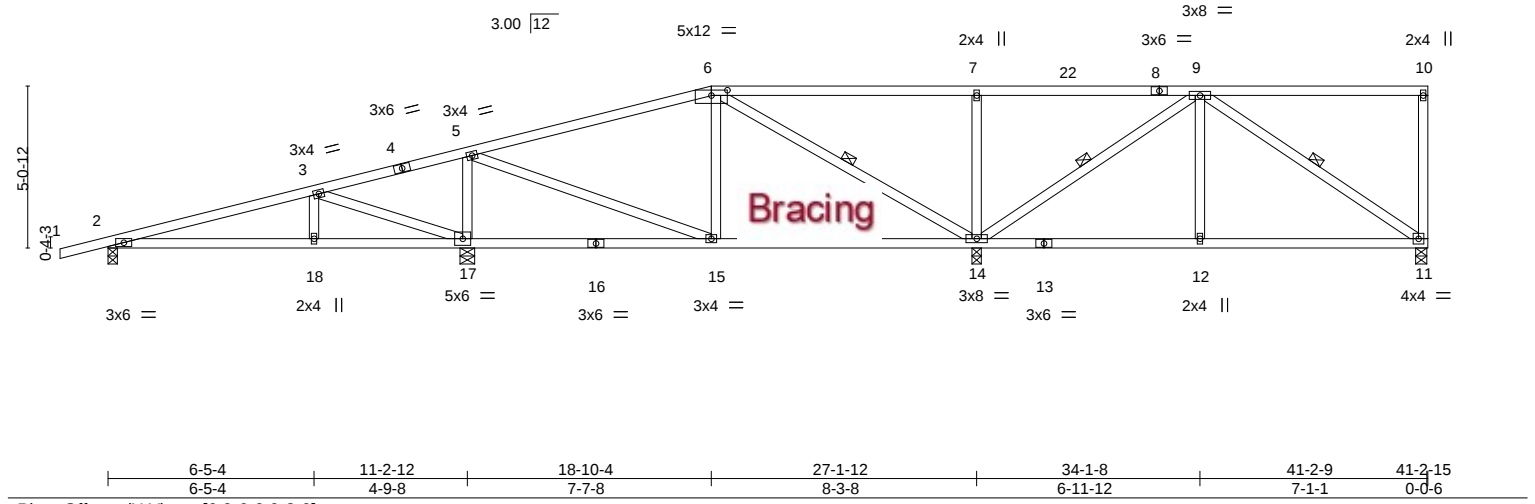


Plate Offsets (X,Y)-- [6:0-6-0,0-2-0]		6-5-4 6-5-4		11-2-12 4-9-8	18-10-4 7-7-8	27-1-12 8-3-8	34-1-8 6-11-12	41-2-9 7-1-1	41-2-15 0-0-6
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.72	Vert(LL)	0.11 18-21	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.51	Vert(CT)	-0.14 14-15	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.52	Horz(CT)	0.01 11	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS					Weight: 215 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.
WEBS 1 Row at midpt 6-14, 9-14, 9-11

REACTIONS.

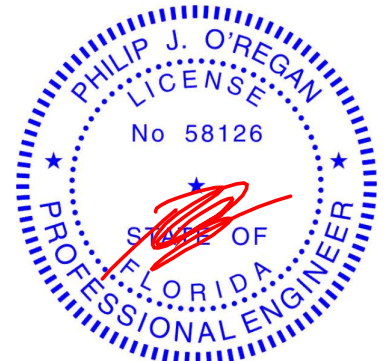
All bearings 0-3-8 except (jt=length) 11=0-4-3, 17=0-5-8.
(lb) - Max Horz 2=254(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) except 11=207(LC 13), 2=310(LC 8), 17=688(LC 8), 14=564(LC 8)
Max Grav All reactions 250 lb or less at joint(s) except 11=434(LC 24), 2=402(LC 1), 17=1084(LC 1), 14=1217(LC 1)

FORCES.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-442/401, 3-5=-437/328, 5-6=-355/134
BOT CHORD 2-18=-594/406, 17-18=-594/406, 15-17=-283/280, 14-15=-162/292, 12-14=-160/321, 11-12=-160/321
WEBS 3-18=-261/217, 3-17=-729/925, 5-17=-723/563, 5-15=-400/615, 6-14=-565/263, 7-14=-453/335, 9-14=-603/298, 9-12=0/294, 9-11=-360/181

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 207 lb uplift at joint 11, 310 lb uplift at joint 2, 688 lb uplift at joint 17 and 564 lb uplift at joint 14.



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6904 Parke East Blvd. Tampa FL 33610
Date:

August 4,2020

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	AMIRA BLDRS. - NICEWONGER RES.	T20922680
2380539	T29	Roof Special	1	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

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ID: aWWYZLKSHCwoxc8cTlvEVyrGuq-m57JHhVIGA4lkBhGcFrckdULJl0TgZpaAQ1VtyrDV8

1-6-0	6-5-4	11-2-12	18-9-12	20-9-8	27-1-12	33-2-6	39-2-15
1-6-0	6-5-4	4-9-8	7-7-0	1-11-12	6-4-4	6-0-10	6-0-10

Scale = 1:71.0

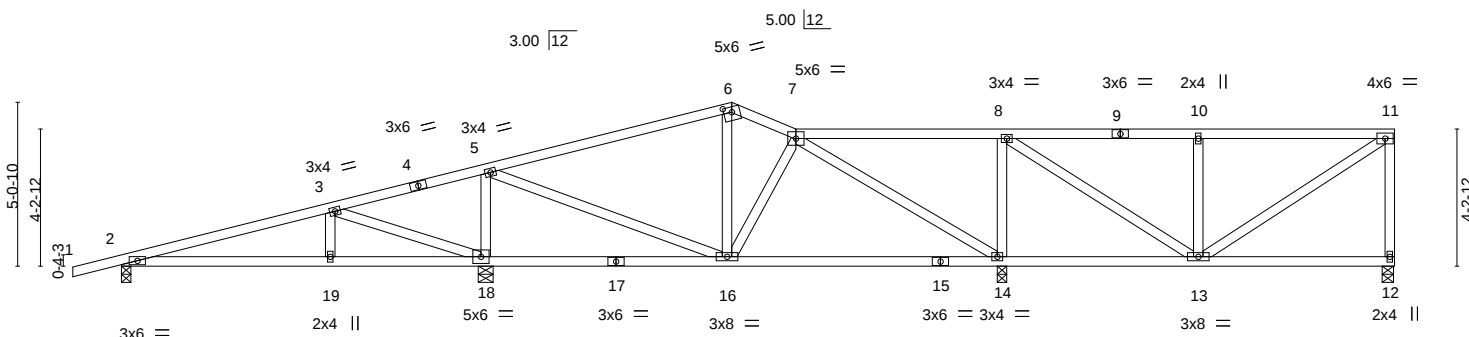


Plate Offsets (X,Y)--	[6:0-3:0,0-1-15]
-----------------------	------------------

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)	0.11 19-22	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.52	Vert(CT)	-0.18 14-16	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.65	Horz(CT)	-0.01 18	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS					Weight: 204 lb	FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS.

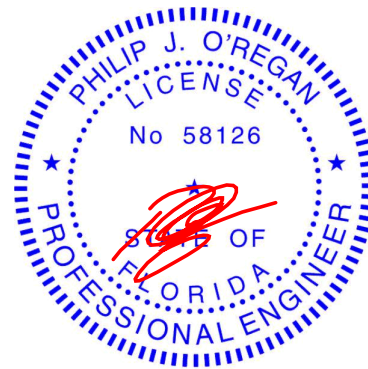
All bearings 0-3-8 except (jt=length) 12=0-4-3, 18=0-5-8.
(lb) - Max Horz 2=227(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) except 12=-169(LC 9), 2=-315(LC 8), 18=-670(LC 8), 14=-489(LC 13)
Max Grav All reactions 250 lb or less at joint(s) except 12=358(LC 24), 2=407(LC 23), 18=1096(LC 1), 14=1131(LC 1)

FORCES.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-459/417, 3-5=-415/330, 5-6=-358/115, 6-7=-332/123, 8-10=-265/128, 10-11=-265/128, 11-12=-302/182
BOT CHORD 2-19=-565/423, 18-19=-565/423, 16-18=-284/303, 14-16=-129/290
WEBS 3-19=-260/223, 3-18=-728/919, 5-18=-744/581, 5-16=-412/620, 7-14=-596/260, 8-14=-664/425, 8-13=-272/551, 10-13=-337/260, 11-13=-143/293

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3'-6" tall by 2'-0" wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 169 lb uplift at joint 12, 315 lb uplift at joint 2, 670 lb uplift at joint 18 and 489 lb uplift at joint 14.



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Date:

August 4,2020

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6904 Parke East Blvd.
Tampa, FL 36610

Job 2380539	Truss T30	Truss Type Roof Special	Qty 1	Ply 1	AMIRA BLDRS. - NICEWONGER RES. T20922681
Builders FirstSource, Jacksonville, FL - 32244,					Job Reference (optional)

8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 4 13:02:30 2020 Page 1
ID: aWWYZLKSHCowoxc8cTivEVyrGuq-EHhV1WN1TCcLmtqJm49xAdGj6UCA7zpqAa1KyrDV7

1-6-0	6-5-4	11-2-12	18-9-12	22-9-8	29-10-8	37-2-15
1-6-0	6-5-4	4-9-8	7-7-0	3-11-12	7-1-0	7-4-8

Scale = 1:66.4

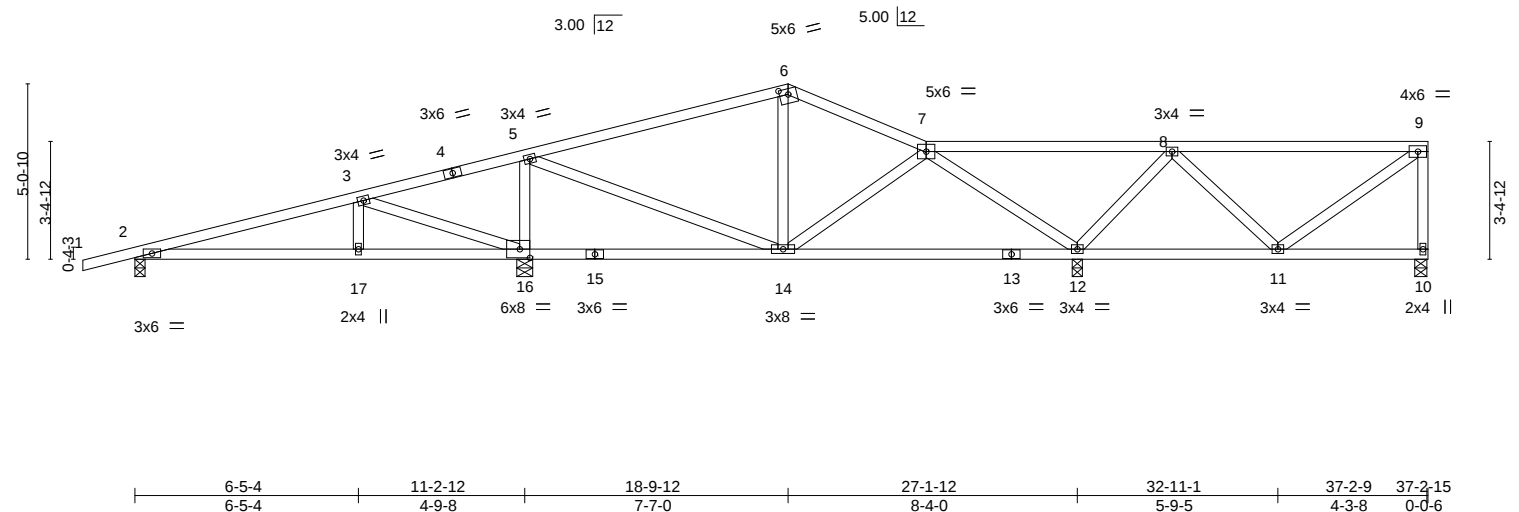


Plate Offsets (X, Y)--		[6:0-3-0,0-1-15], [16:0-3-8,0-3-0]															
LOADING (psf)		SPACING-		2-0-0		CSI.		DEFL.		in (loc)		l/defl		L/d		PLATES	
TCLL	20.0	Plate Grip DOL		1.25		TC		Vert(LL)		0.11 17-20		>999		240		MT20	
TCDL	7.0	Lumber DOL		1.25		BC		Vert(CT)		-0.18 12-14		>999		180			
BCLL	0.0 *	Rep Stress Incr		YES		WB		Horz(CT)		-0.01 16		n/a		n/a			
BCDL	10.0	Code FBC2017/TP12014				Matrix-MS										Weight: 184 lb	

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.

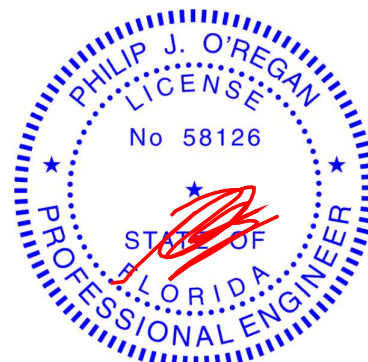
All bearings 0-3-8 except (jt=length) 10=0-4-3, 16=0-5-8.
(lb) - Max Horz 2=200(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) except 10=-132(LC 9), 2=-318(LC 8), 16=-672(LC 8), 12=-459(LC 13)
Max Grav All reactions 250 lb or less at joint(s) except 10=266(LC 24), 2=408(LC 23), 16=1093(LC 1), 12=1079(LC 1)

FORCES.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-465/449, 3-5=-393/321, 5-6=-359/137, 6-7=-362/129, 7-8=-216/376
BOT CHORD 2-17=-551/428, 16-17=-551/428, 14-16=-275/327
WEBS 3-17=-266/222, 3-16=-727/929, 5-16=-741/585, 5-14=-417/611, 7-12=-746/390, 8-12=-655/413

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 132 lb uplift at joint 10, 318 lb uplift at joint 2, 672 lb uplift at joint 16 and 459 lb uplift at joint 12.



Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

August 4,2020

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

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



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Tampa, FL 36610

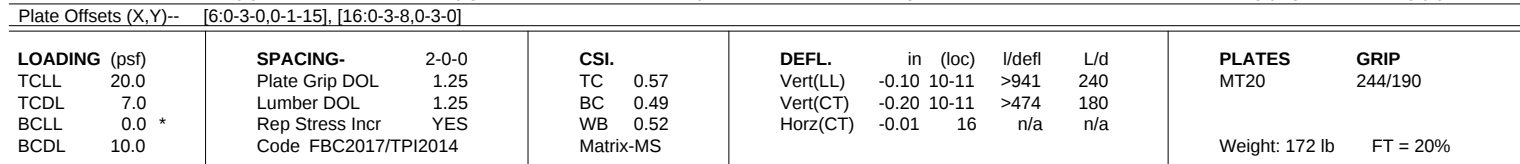
Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 4 13:02:32 2020 Page 1

ID:aWWYZLKSHCwoxc8cTlvEVyrGuq-AgoSwjXeY5SKb3wGxkoYEMF?HXnBg3LGH8fh6CyrDV5

1-6-0 6-5-4 11-2-12 18-9-12 24-9-8 29-10-8 35-2-15 5-4-8

Scale = 1:62.9



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. All bearings 0-3-8 except (jt=length) 10=0-4-3, 16=0-5-8.

(lb) - Max Horz 2=176(LC 12)

Max Uplift All uplift 100 lb or less at joint(s) 10 except 2=-324(LC 8), 16=-673(LC 8), 11=-423(LC 13)

Max Grav All reactions 250 lb or less at joint(s) 10 except 2=410(LC 23), 16=1105(LC 1), 11=979(LC 1)

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

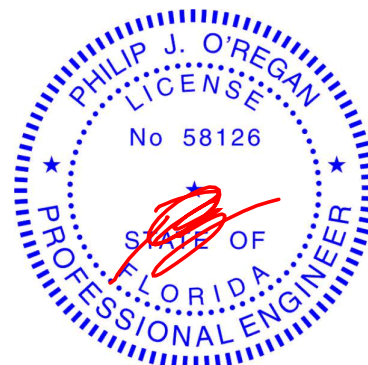
TOP CHORD 2-3=-468/497, 3-5=-364/303, 5-6=-396/173, 6-7=-423/152, 7-8=-235/356

BOT CHORD 2-17=-553/431, 16-17=-553/431, 14-16=-258/344

WEBS 3-17=-274/218, 3-16=-726/949, 5-16=-747/587, 5-14=-432/632, 7-11=-737/400,
8-11=-497/350

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDF=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 10 except (jt=lb)
2=324, 16=673, 11=423.



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Date:

August 4, 2020

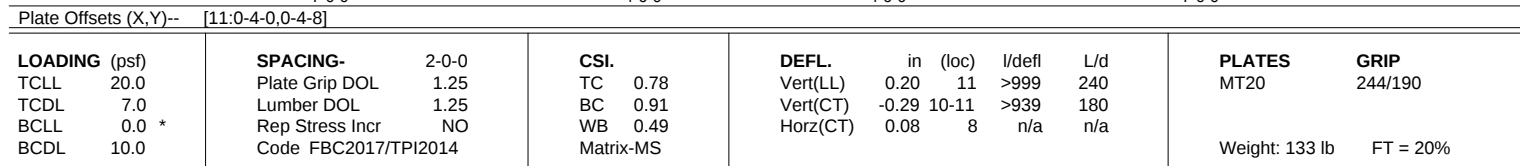


Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall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



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Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 4 13:02:33 2020 Page 1
 ID:aWWYZLKSHCowoxc8cTivEVyrGuq-esMq72YGJoaBCDVSVRjnnao6gw0sPX1PVoOEefyrDV4
 -1-6-0 3-9-2 7-0-0 11-6-0 16-0-0 19-2-14 23-0-0 24-6-0
 1-6-0 3-9-2 3-2-14 4-6-0 3-2-14 3-9-2 1-6-0
 Scale = 1:42.4



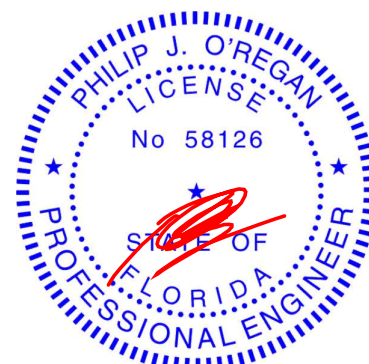
REACTIONS. (size) 2=0-5-8, 8=0-5-8
 Max Horz 2=-75(LC 9)
 Max Uplift 2=-861(LC 8), 8=-876(LC 9)
 Max Grav 2=1727(LC 1), 8=1758(LC 1)

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

TOP CHORD	2-3=-3436/1733, 3-4=-3324/1673, 4-5=-3094/1597, 5-6=-3158/1627, 6-7=-3396/1708, 7-8=-3506/1767
BOT CHORD	2-12=-1583/3105, 11-12=-1857/3790, 10-11=-1857/3790, 8-10=-1540/3169
WEBS	3-12=-167/253, 4-12=-368/880, 5-12=-913/526, 5-11=-86/443, 5-10=-821/451, 6-10=-316/828, 7-10=-172/256

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) 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) 2=861, 8=876.
 - 7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 127 lb down and 123 lb up at 7-0-0, 109 lb down and 123 lb up at 9-0-12, 109 lb down and 118 lb up at 11-0-12, 109 lb down and 118 lb up at 11-11-4, and 109 lb down and 123 lb up at 13-11-4, and 235 lb down and 242 lb up at 16-0-0 on top chord, and 314 lb down and 182 lb up at 7-0-0, 84 lb down and 30 lb up at 9-0-12, 84 lb down and 30 lb up at 11-0-12, 84 lb down and 30 lb up at 11-11-4, and 84 lb down and 30 lb up at 13-11-4, and 314 lb down and 182 lb up at 15-11-4 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).

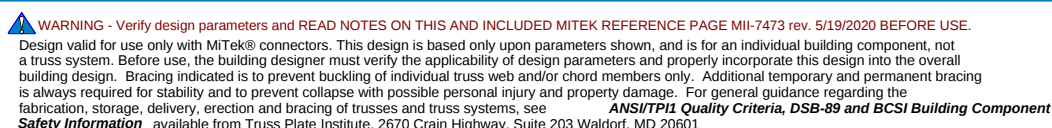
LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-6=-54, 6-9=-54, 13-16=-20



Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

August 4, 2020

Continued on page 2



6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	AMIRA BLDRS. - NICEWONGER RES.	T20922683
2380539	T32	Hip Girder	1	1	Job Reference (optional)	

LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 4=-109(F) 6=-188(F) 12=-314(F) 10=-314(F) 19=-109(F) 20=-109(F) 21=-109(F) 22=-109(F) 23=-65(F) 24=-65(F) 25=-65(F) 26=-65(F)



Job 2380539	Truss T33	Truss Type Hip	Qty 1	Ply 1	AMIRA BLDRS. - NICEWONGER RES. T20922684
Job Reference (optional)					

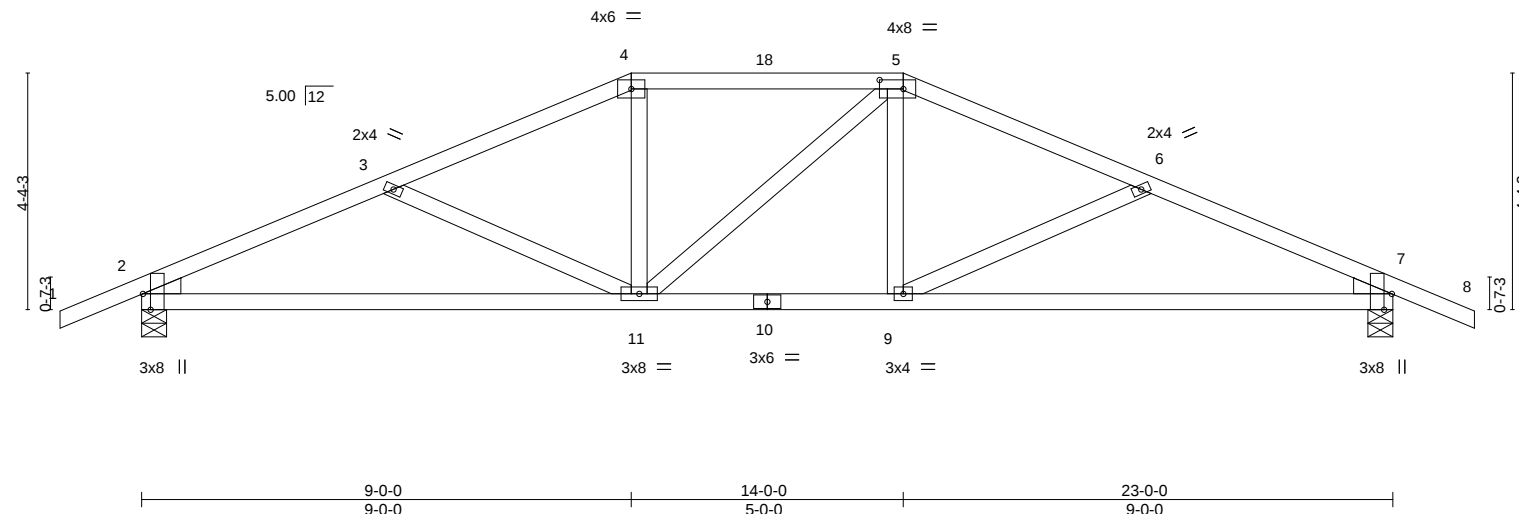
Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 4 13:02:34 2020 Page 1

ID: aWWYZLKSHCowoxc8cTivEVyrGuq-62wCLOZu4ij2qN4f39q1JnLNNKQY83sZkS8oA5yrDV3

-1-6-0	4-7-8	9-0-0	14-0-0	18-4-7	23-0-0	24-6-0
1-6-0	4-7-8	4-4-7	5-0-0	4-4-7	4-7-9	1-6-0

Scale = 1:42.4



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 0.40	Vert(LL)	-0.12	9-17	>999	240	MT20
TCDL 7.0	Lumber DOL	1.25	BC 0.69	Vert(CT)	-0.26	9-17	>999	180	244/190
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.13	Horz(CT)	0.05	7	n/a	n/a	
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS						
Weight: 112 lb									FT = 20%

LUMBER-

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

WEDGE
Left: 2x4 SP No.3, Right: 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-6-4 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-1-5 oc bracing.

REACTIONS.

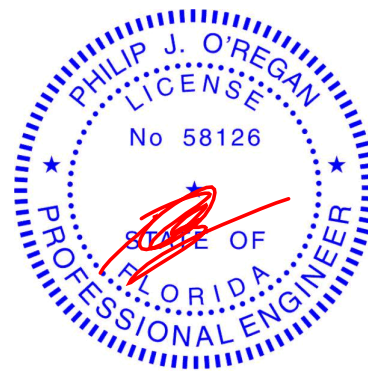
(size) 2=0-5-8, 7=0-5-8
Max Horz 2=92(LC 12)
Max Uplift 2=-377(LC 12), 7=-377(LC 13)
Max Grav 2=932(LC 1), 7=932(LC 1)

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

TOP CHORD 2-3=-1547/844, 3-4=-1303/693, 4-5=-1168/687, 5-6=-1302/693, 6-7=-1547/844
BOT CHORD 2-11=-661/1383, 9-11=-456/1167, 7-9=-675/1383
WEBS 3-11=-259/244, 4-11=-55/303, 5-9=-58/303, 6-9=-259/244

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=377, 7=377.



Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

August 4,2020

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

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



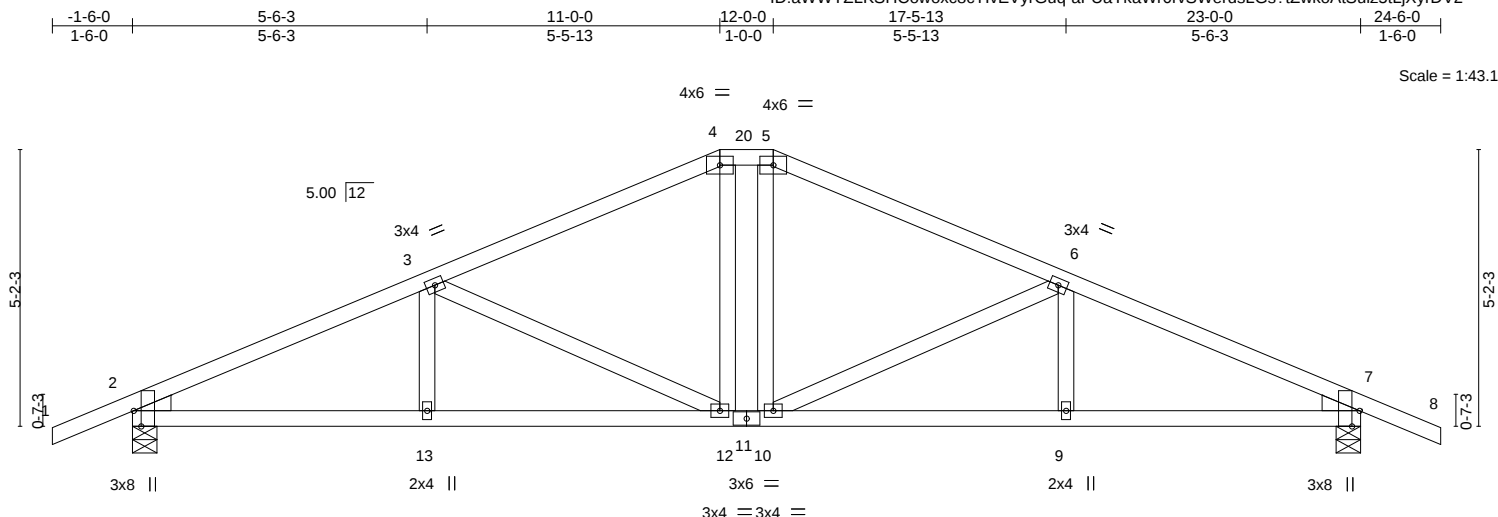
6904 Parke East Blvd.
Tampa, FL 36610

Job 2380539	Truss T34	Truss Type Hip	Qty 1	Ply 1	AMIRA BLDRS. - NICEWONGER RES. Job Reference (optional)	T20922685
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ID: aWWWYZLKSHCwoxc8cTlvEYrGuq-aFUaYkaWr0rvSWerdsLGs?itZwkoAtSuiz5tLjYrDV2



	5'-6"-3	11'-0"-0	12'-0"-0	17'-5"-13	23'-0"-0
	5'-6"-3	5'-5"-13	1'-0"-0	5'-5"-13	5'-6"-3
Plate Offsets (X,Y)--	[2:0-0-1,0-0-2], [2:0-0-2,0-5-14], [2:0-3-8,Edge], [7:0-0-1,0-0-2], [7:0-0-2,0-5-14], [7:0-3-8,Edge]				

LOADING (psf)	SPACING-	2'-0"-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.35	Vert(LL)	-0.08 9-10	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.54	Vert(CT)	-0.16 9-10	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.34	Horz(CT)	0.05 7	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS					Weight: 116 lb	FT = 20%

LUMBER-

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

WEDGE
Left: 2x4 SP No.3, Right: 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-5-4 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-3-1 oc bracing.

REACTIONS.

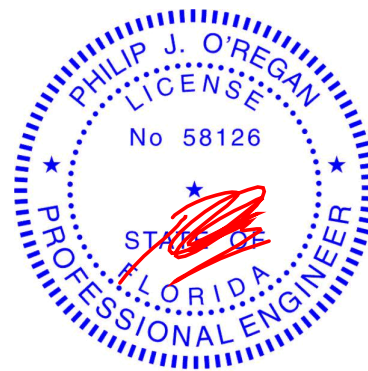
(size) 2=0-5-8, 7=0-5-8
Max Horz 2=110(LC 12)
Max Uplift 2=-374(LC 12), 7=-374(LC 13)
Max Grav 2=932(LC 1), 7=932(LC 1)

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

TOP CHORD 2-3=-1558/824, 3-4=-1151/654, 4-5=-1015/657, 5-6=-1151/654, 6-7=-1558/824
BOT CHORD 2-13=-642/1387, 12-13=-642/1387, 10-12=-381/1015, 9-10=-655/1387, 7-9=-655/1387
WEBS 3-12=-462/306, 4-12=-114/264, 5-10=-114/264, 6-10=-462/306

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=374, 7=374.



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

August 4,2020

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

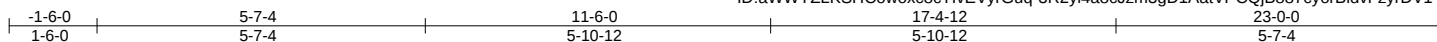
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall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



6904 Parke East Blvd.
Tampa, FL 36610

Job 2380539	Truss T35	Truss Type Common	Qty 6	Ply 1	AMIRA BLDRS. - NICEWONGER RES. T20922686
Builders FirstSource, Jacksonville, FL - 32244,					

8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 4 13:02:36 2020 Page 1
ID:aWWYZLKSHCowoxc8cTlvEVyrGuq-3R2yI4a8cJzm3gD1AatVPCQjB887cyorBldvFzrDV1



Scale = 1:39.3

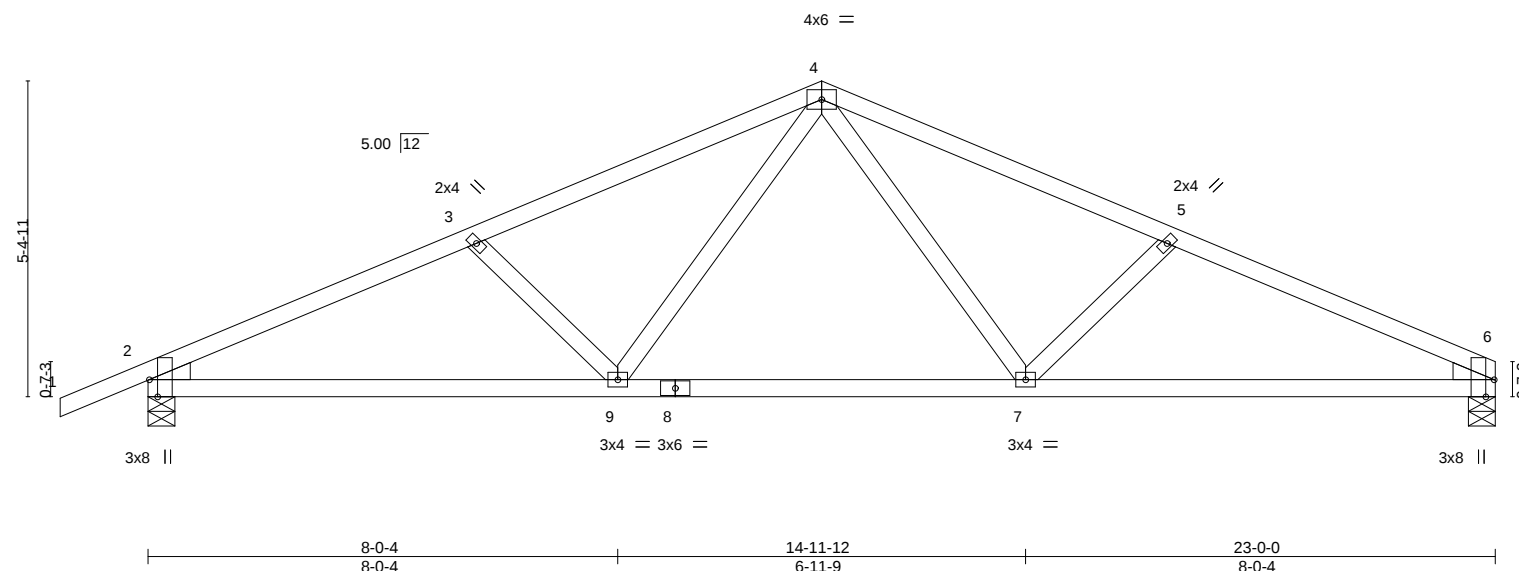


Plate Offsets (X,Y)-- [2:0-0-1,0-0-2], [2:0-0-2,0-5-14], [2:0-3-8,Edge], [6:0-0-1,0-0-2], [6:0-0-2,0-5-14], [6:0-3-8,Edge]									
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d		PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.44	Vert(LL)	-0.10 7-9 >999 240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.56	Vert(CT)	-0.18 7-9 >999 180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.17	Horz(CT)	0.04 6 n/a n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS				Weight: 104 lb	FT = 20%

LUMBER-

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

WEDGE
Left: 2x4 SP No.3, Right: 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-3-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-10-12 oc bracing.

REACTIONS.

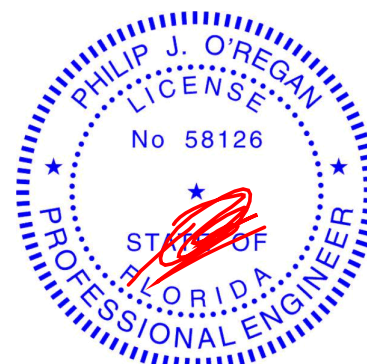
(size) 2=0-5-8, 6=0-5-8
Max Horz 2=127(LC 12)
Max Uplift 2=-373(LC 12), 6=-321(LC 13)
Max Grav 2=935(LC 1), 6=848(LC 1)

FORCES.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1559/864, 3-4=-1355/774, 4-5=-1365/781, 5-6=-1573/874
BOT CHORD 2-9=-720/1391, 7-9=-405/965, 6-7=-731/1406
WEBS 4-7=-205/442, 5-7=-315/301, 4-9=-193/428, 3-9=-306/295

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCCL=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
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (it=lb) 2=373, 6=321.



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Date:

August 4,2020

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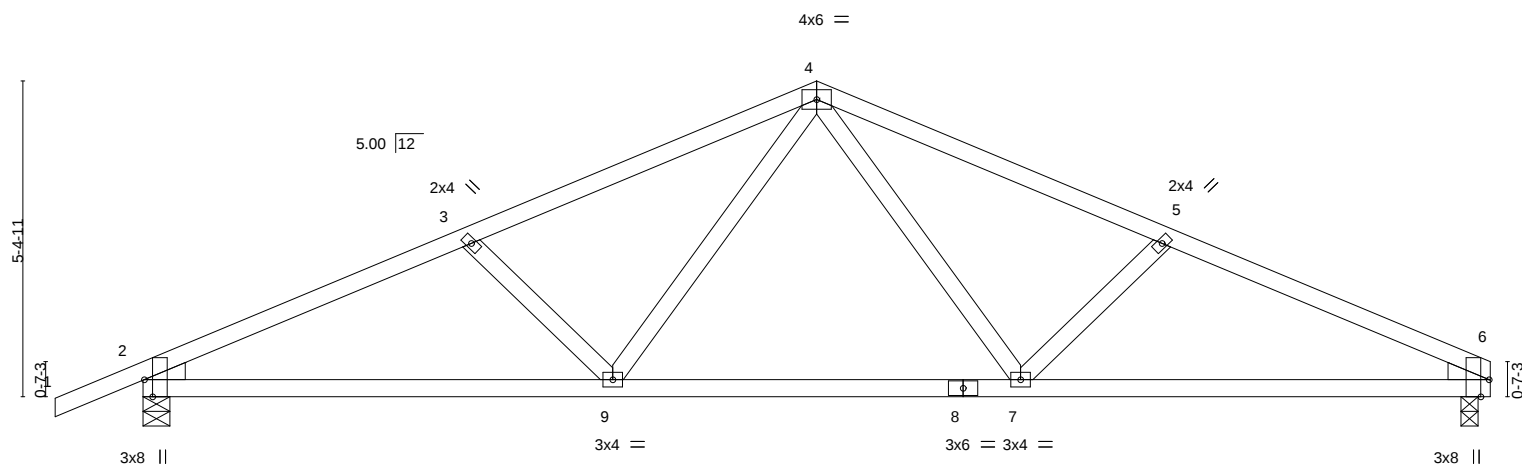
6904 Parke East Blvd.
Tampa, FL 36610

Job 2380539	Truss T36	Truss Type Common	Qty 3	Ply 1	AMIRA BLDRS. - NICEWONGER RES. T20922687
Builders FirstSource, Jacksonville, FL - 32244,					

8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 4 13:02:36 2020 Page 1
ID:aWWYZLKSHCowoxc8cTlvEVyrGuq-3R2yI4a8cJzm3gD1AatVPCQjB887cyorBldvFzrDV1

-1-6-0 1-6-0	5-7-4 5-7-4	11-6-0 5-10-12	17-4-12 5-10-12	23-0-0 5-7-4
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Scale = 1:39.3



	8-0-4 8-0-4	14-11-12 6-11-9	22-9-8 7-9-12	23-0-0 0-2-8
Plate Offsets (X,Y)--	[2:0-0-1,0-0-2], [2:0-0-2,0-5-14], [2:0-3-8,Edge], [6:0-0-1,0-0-2], [6:0-0-2,0-5-14], [6:0-3-8,Edge]			

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.44	Vert(LL)	-0.10 7-9	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.56	Vert(CT)	-0.18 7-9	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.17	Horz(CT)	0.04 6	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS					Weight: 104 lb	FT = 20%

LUMBER-

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

WEDGE
Left: 2x4 SP No.3, Right: 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-3-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-10-12 oc bracing.

REACTIONS.

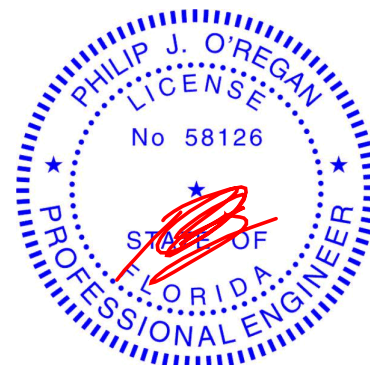
(size) 2=0-5-8, 6=0-3-8
Max Horz 2=127(LC 12)
Max Uplift 2=-373(LC 12), 6=-321(LC 13)
Max Grav 2=935(LC 1), 6=848(LC 1)

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

TOP CHORD 2-3=-1559/864, 3-4=-1355/774, 4-5=-1365/781, 5-6=-1573/874
BOT CHORD 2-9=-720/1391, 7-9=-405/965, 6-7=-731/1406
WEBS 4-7=-205/442, 5-7=-315/301, 4-9=-193/428, 3-9=-306/295

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCCL=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
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (it=lb) 2=373, 6=321.



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Date:

August 4,2020

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6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	AMIRA BLDRS. - NICEWONGER RES.	T20922688
2380539	T37	Half Hip Girder	1	1	Job Reference (optional)	

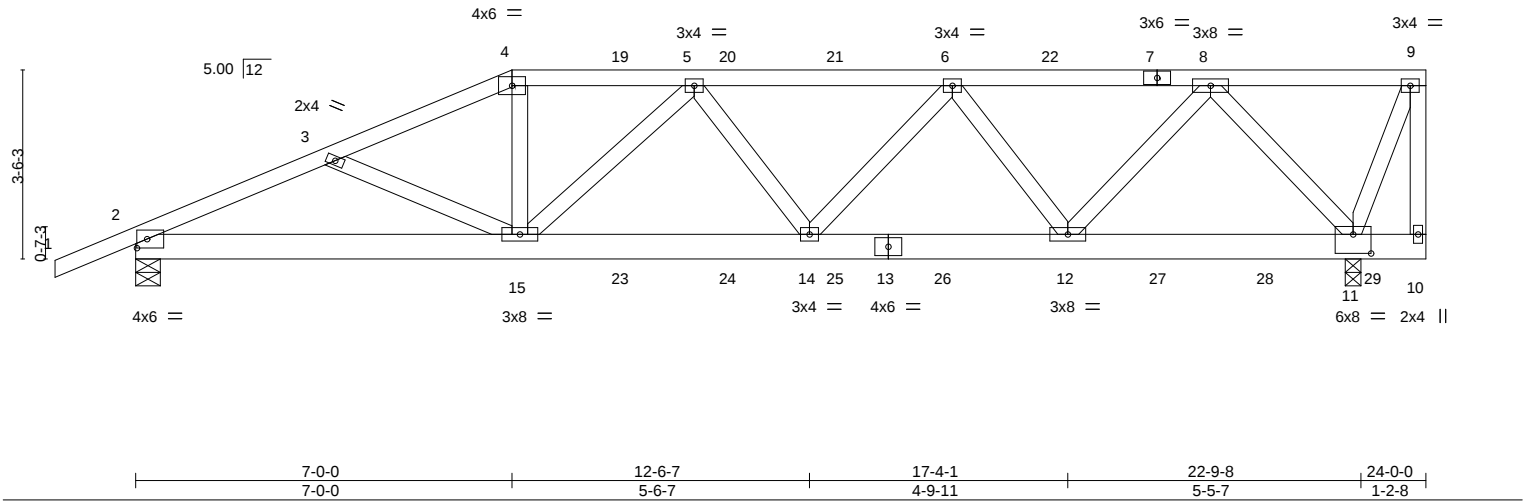
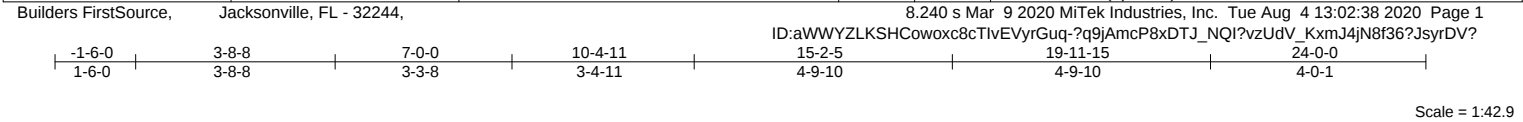


Plate Offsets (X,Y)-- [2:0-2-4,0-2-0], [11:0-4-0,0-4-4]									
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d		PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.72	Vert(LL)	0.18 14-15 >999	240	MT20 244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.77	Vert(CT)	-0.25 14-15 >999	180	
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.74	Horz(CT)	0.06 11 n/a	n/a	
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS					Weight: 147 lb FT = 20%

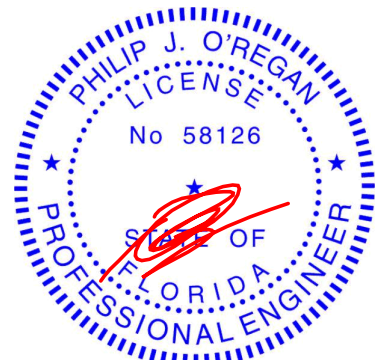
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 2-7-15 oc purlins, except end verticals.
BOT CHORD 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 5-7-2 oc bracing.
WEBS 2x4 SP No.3	

REACTIONS.	(size) 2=0-5-8, 11=0-3-8
	Max Horz 2=169(LC 8)
	Max Uplift 2=808(LC 8), 11=1155(LC 4)
	Max Grav 2=1626(LC 1), 11=2140(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3217/1616, 3-4=-3092/1545, 4-5=-2874/1477, 5-6=-3278/1650, 6-8=-2397/1203
BOT CHORD 2-15=-1572/2906, 14-15=-1718/3301, 12-14=-1561/3001, 11-12=-736/1400
WEBS 4-15=-357/856, 5-15=-646/383, 6-14=-179/467, 6-12=-1071/643, 8-12=-736/1545, 8-11=-2075/1113

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=808, 11=1155.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 127 lb down and 123 lb up at 7-0-0, 109 lb down and 123 lb up at 9-0-12, 109 lb down and 123 lb up at 11-0-12, 109 lb down and 123 lb up at 13-0-12, 109 lb down and 117 lb up at 15-0-12, and 109 lb down and 123 lb up at 17-0-12, and 126 lb down and 129 lb up at 19-0-12 on top chord, and 314 lb down and 182 lb up at 7-0-0, 84 lb down and 30 lb up at 9-0-12, 84 lb down and 30 lb up at 11-0-12, 84 lb down and 30 lb up at 13-0-12, 84 lb down and 30 lb up at 15-0-12, 84 lb down and 30 lb up at 17-0-12, 96 lb down and 29 lb up at 19-0-12, and 290 lb down and 193 lb up at 21-0-12, and 136 lb down and 130 lb up at 23-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-9=-54, 10-16=-20



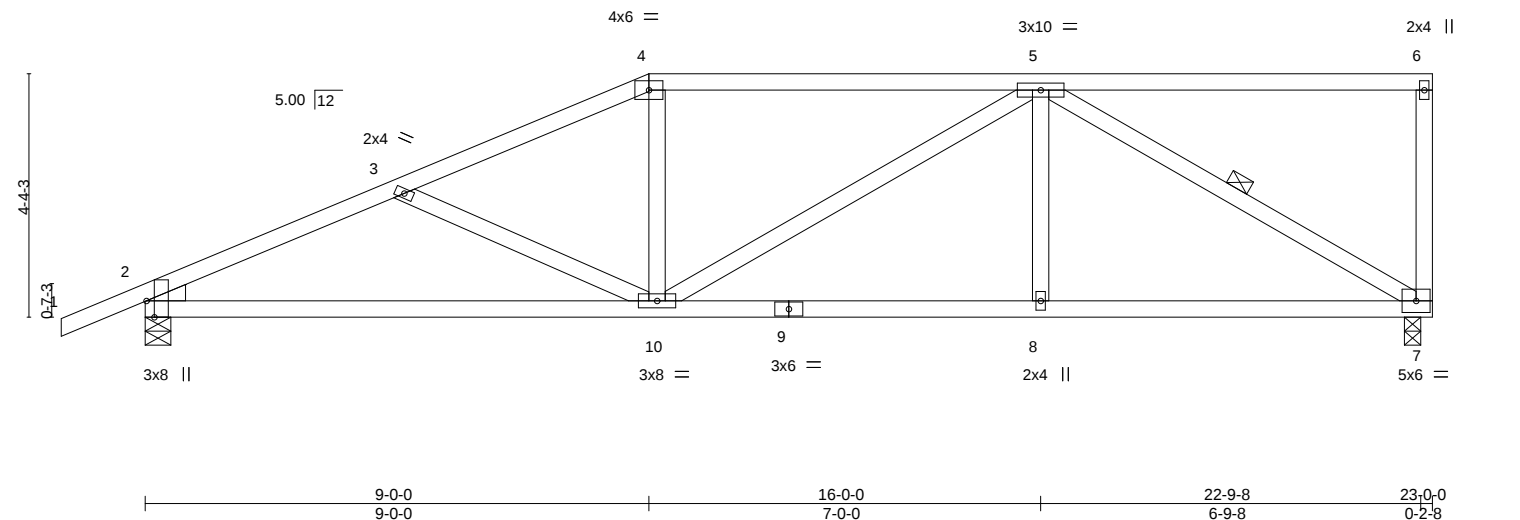
Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

August 4,2020

Job	Truss	Truss Type	Qty	Ply	AMIRA BLDRS. - NICEWONGER RES.	T20922688
2380539	T37	Half Hip Girder	1	1	Job Reference (optional)	

LOAD CASE(S) Standard
 Concentrated Loads (lb)
 Vert: 4=-109(B) 7=-126(B) 15=-314(B) 6=-109(B) 12=-65(B) 19=-109(B) 20=-109(B) 21=-109(B) 22=-109(B) 23=-65(B) 24=-65(B) 25=-65(B) 26=-65(B) 27=-75(B) 28=-290(B) 29=-136(B)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 4 13:02:38 2020 Page 1
 ID:aWWYZLKSHCowoxc8cTlVEyrGuq-?q9jAmcP8xDtJ_NQI?vzUdV1Bxn24oE8f36?JsyrdV?
 -1-6-0 4-7-9 9-0-0 16-0-0 23-0-0
 1-6-0 4-7-9 4-4-7 7-0-0 7-0-0
 Scale = 1:41.2



LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.54	Vert(LL) -0.11 10-13 >999 240	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.66	Vert(CT) -0.23 10-13 >999 180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.43	Horz(CT) 0.04 7 n/a n/a		
BCDL 10.0	Code FBC2017/TPI2014	Matrix-MS		Weight: 120 lb	FT = 20%

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 4-6-3 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 6-4-6 oc bracing.
WEBS	2x4 SP No.3	WEBS	1 Row at midpt 5-7
WEDGE			
Left: 2x4 SP No.3			

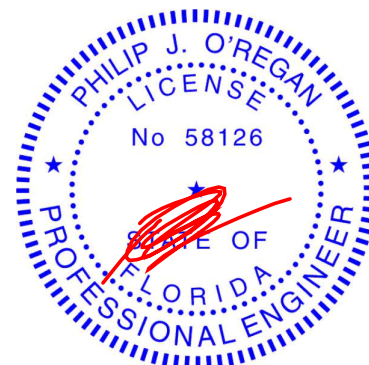
REACTIONS. (size) 7=0-3-8, 2=0-5-8
 Max Horz 2=209(LC 12)
 Max Uplift 7=-378(LC 8), 2=-404(LC 12)
 Max Grav 7=843(LC 1), 2=929(LC 1)

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

TOP CHORD	2-3=-1540/784, 3-4=-1305/634, 4-5=-1171/632
BOT CHORD	2-10=-852/1376, 5-8=-565/1082, 7-8=-565/1082
WEBS	4-10=-11/294, 8-10=0/284, 5-7=-1226/642

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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=378. 2=404.



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August 4, 2020



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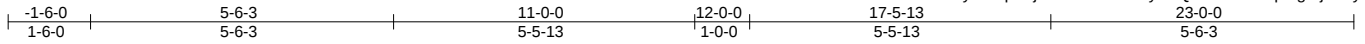


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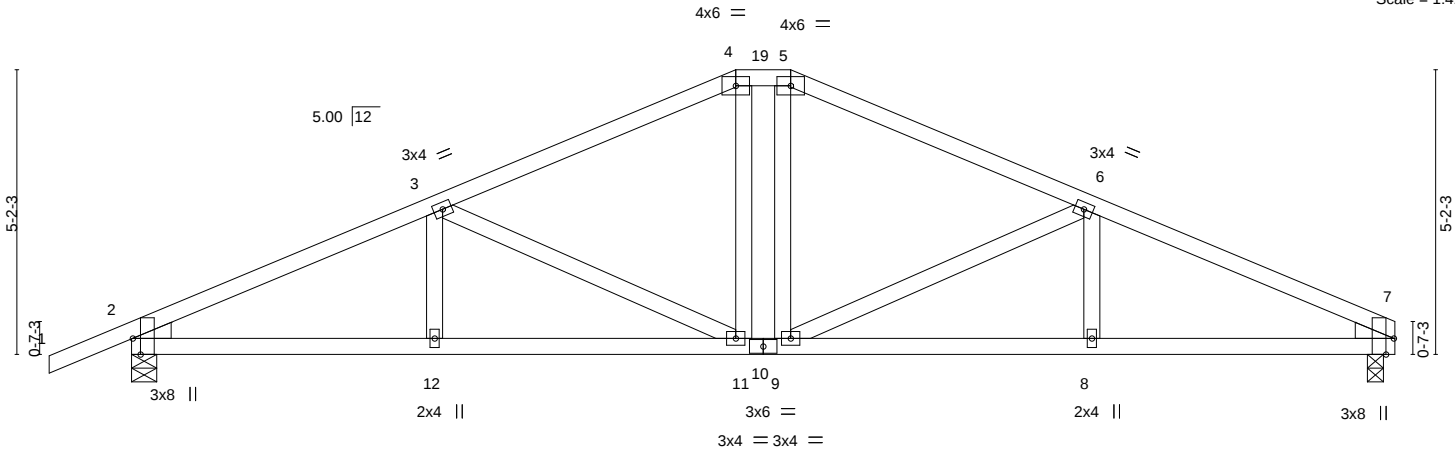
Job 2380539	Truss T39	Truss Type Hip	Qty 1	Ply 1	AMIRA BLDRS. - NICEWONGER RES. T20922690
Builders FirstSource, Jacksonville, FL - 32244,					

8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 4 13:02:39 2020 Page 1

ID: aWWYZLKSHCOWoxc8cTivEVyrGuq-T0j5O6d1vELKw8ycsiQC0r2FuL93pGglujrZslyrDV_



Scale = 1:41.9



		5-6-3	11-0-0	12-0-0	17-5-13	22-9-8	23-0-0			
		5-6-3	5-5-13	1-0-0	5-5-13	5-3-11	0-2-8			
Plate Offsets (X,Y)--		[2:0-0-1,0-0-2], [2:0-0-2,0-5-14], [2:0-3-8,Edge], [7:0-0-1,0-0-2], [7:0-0-2,0-5-14], [7:0-3-8,Edge]								
LOADING	(psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC 0.35	Vert(LL)	-0.08 11-12	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC 0.54	Vert(CT)	-0.16 11-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB 0.35	Horz(CT)	0.05 7	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS					Weight: 114 lb	FT = 20%

LUMBER-

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

Left: 2x4 SP No.3, Right: 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-5-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-0-6 oc bracing.

REACTIONS.

(size) 2=0-5-8, 7=0-3-8
Max Horz 2=123(LC 12)
Max Uplift 2=-374(LC 12), 7=-322(LC 13)
Max Grav 2=935(LC 1), 7=848(LC 1)

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

TOP CHORD 2-3=-1564/832, 3-4=-1157/663, 4-5=-1021/665, 5-6=-1158/664, 6-7=-1581/845
BOT CHORD 2-12=-692/1393, 11-12=-692/1393, 9-11=-418/1021, 8-9=-705/1411, 7-8=-705/1411
WEBS 3-11=-462/306, 4-11=-116/265, 5-9=-119/265, 6-9=-482/320

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCdL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=374, 7=322.



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August 4,2020

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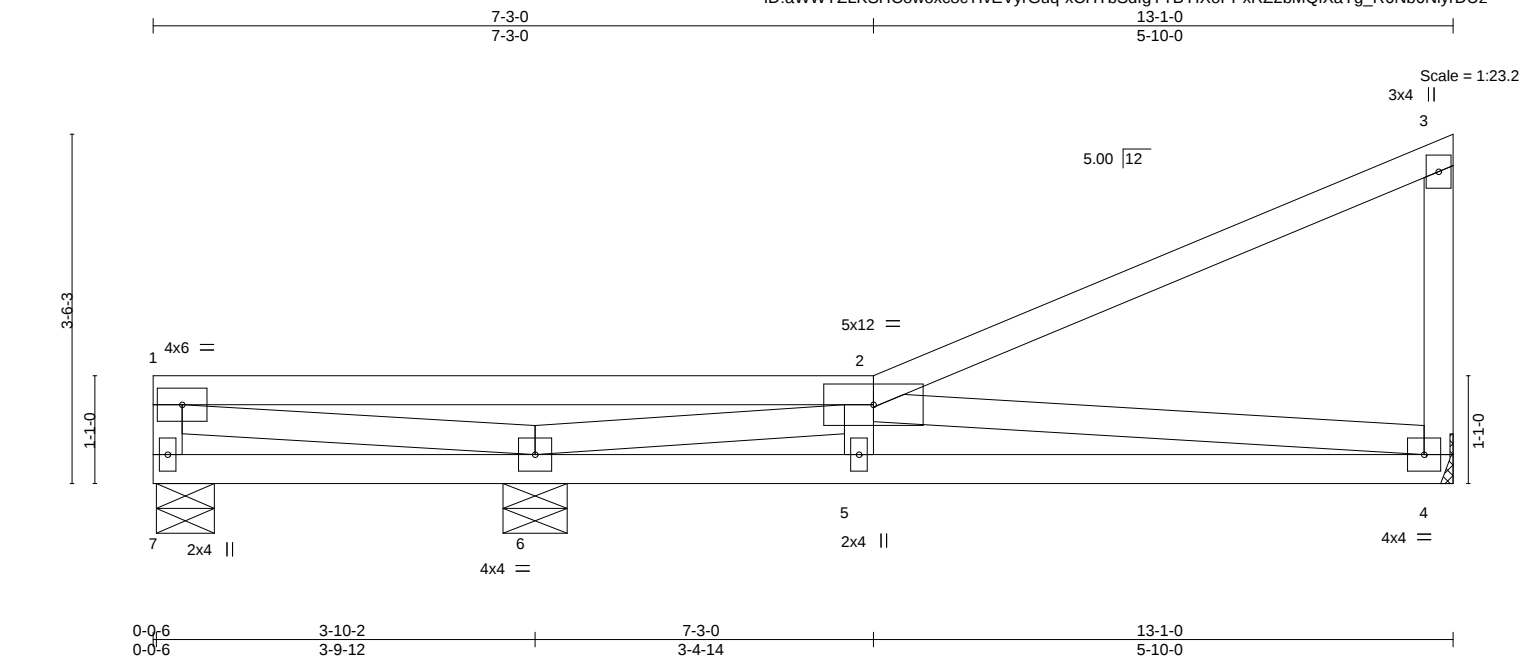


6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	AMIRA BLDRS. - NICEWONGER RES.	T20922691
2380539	T40	Roof Special	1	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 4 13:02:40 2020 Page 1
ID:aWWYZLKSHCowoxc8cTlvEVyrGuq-xCHTbSdfgYTBIXoPPxRZ2bMQIXaYg_R6Nb6NlyrDUZ



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.62	Vert(LL)	0.06	4-5	>999	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.40	Vert(CT)	-0.11	4-5	>999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.54	Horz(CT)	0.01	4	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS					Weight: 64 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 7-11-2 oc bracing.

REACTIONS.

(size) 7=0-7-0, 4=Mechanical, 6=0-7-12
Max Horz 7=115(LC 12)
Max Uplift 7=-58(LC 8), 4=-173(LC 12), 6=-221(LC 12)
Max Grav 7=73(LC 1), 4=310(LC 1), 6=564(LC 1)

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

TOP CHORD 1-2=-306/460
BOT CHORD 6-7=-274/178, 5-6=-528/843, 4-5=-540/834
WEBS 1-6=-653/452, 2-6=-1338/715, 2-4=-807/520

NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Provide adequate drainage to prevent water ponding.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7 except (jt=lb) 4=173, 6=221.



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August 4, 2020

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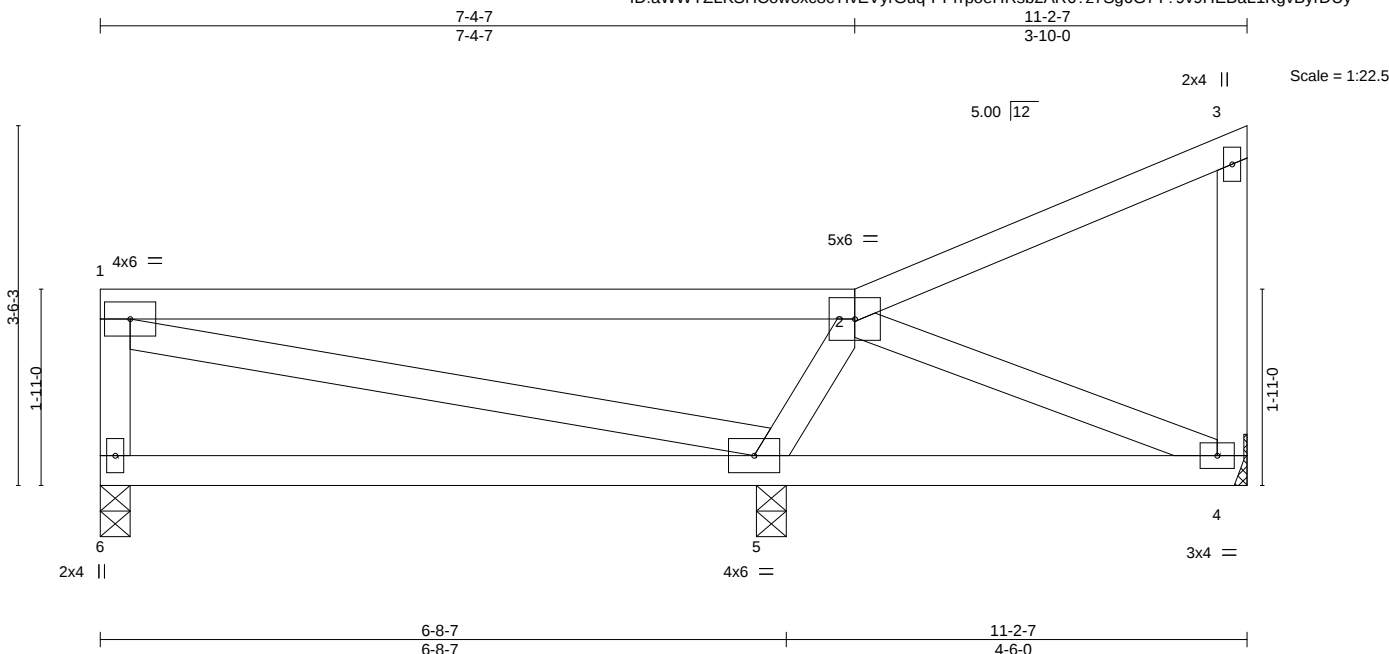
Job 2380539	Truss T41	Truss Type Roof Special	Qty 1	Ply 1	AMIRA BLDRS. - NICEWONGER RES. Job Reference (optional)	T20922692
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Builders FirstSource,

Jacksonville, FL - 32244,

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ID:aWWYZLKSHCowoxc8cTlVrGuq-PPrrpoeHRsb2AR6?z7Sg6G7Y?9v9HEBaL1KgvByrDUy



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	L/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.57	Vert(LL)	-0.04	5-6	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.31	Vert(CT)	-0.08	5-6	>933	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.09	Horz(CT)	-0.00	4	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS						Weight: 58 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) 6=0-3-8, 5=0-3-8, 4=Mechanical

Max Horz 6=74(LC 12)

Max Uplift 6=-110(LC 8), 5=-154(LC 12), 4=-112(LC 12)

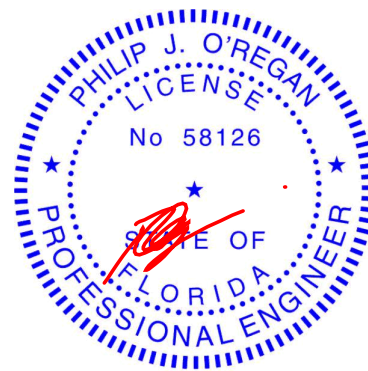
Max Grav 6=228(LC 1), 5=425(LC 1), 4=154(LC 1)

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

WEBS 2-5=-302/251

NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Provide adequate drainage to prevent water ponding.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=110, 5=154, 4=112.



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August 4,2020

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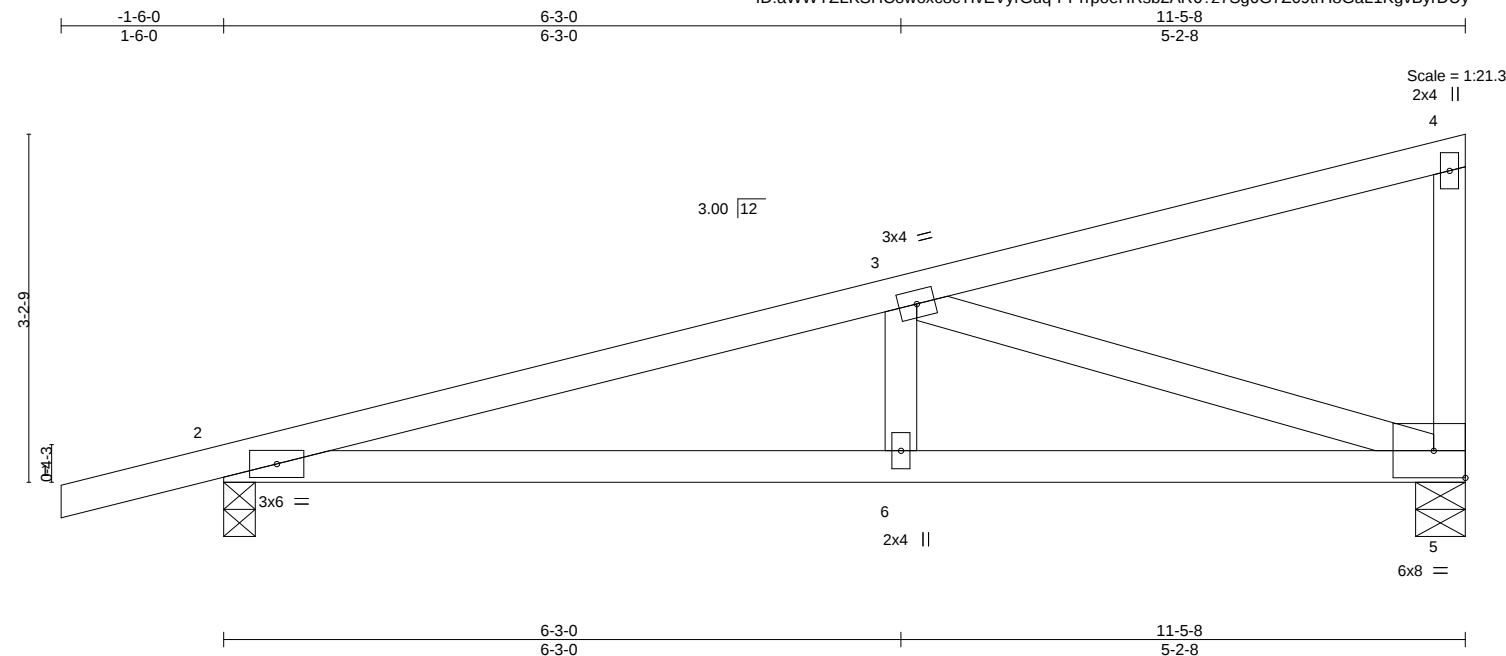


6904 Parke East Blvd.
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Job 2380539	Truss T42	Truss Type Monopitch	Qty 2	Ply 1	AMIRA BLDRS. - NICEWONGER RES. Job Reference (optional)	T20922693
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Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 4 13:02:41 2020 Page 1
ID:aWWYZLKSHCowoxc8cTivEVyrGuq-PPrrpoeHRsb2AR6?z7Sg6G7Z09trH8GaL1KgyByrDUy



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.50	Vert(LL)	0.13	6-9	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.39	Vert(CT)	0.11	6-9	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.47	Horz(CT)	-0.02	5	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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-9-11 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 4-7-11 oc bracing.

REACTIONS.

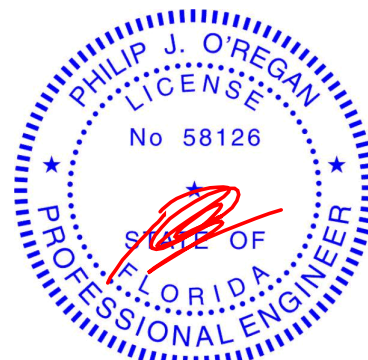
(size) 2=0-3-8, 5=0-5-8
Max Horz 2=162(LC 8)
Max Uplift 2=-397(LC 8), 5=-337(LC 8)
Max Grav 2=505(LC 1), 5=413(LC 1)

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

TOP CHORD 2-3=-894/1238
BOT CHORD 2-6=-1324/847, 5-6=-1324/847
WEBS 3-6=-373/249, 3-5=-869/1359

NOTES-

- 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
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=397, 5=337.



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Job	Truss	Truss Type	Qty	Ply	AMIRA BLDRS. - NICEWONGER RES.	T20922695
2380539	T44	Hip Girder	1	1	Job Reference (optional)	

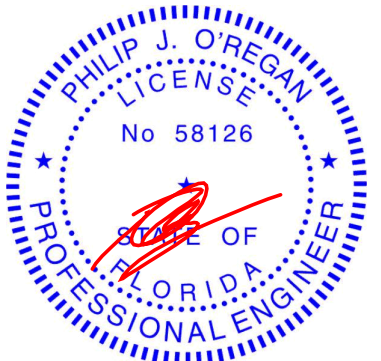


0-6-8	3-4-10	6-0-0	12-6-15	17-10-9	24-5-8	27-9-0	31-5-8
0-6-8	2-10-2	2-7-6	6-6-15	5-3-11	6-6-15	3-3-8	3-8-8
Plate Offsets (X,Y)-- [1:0-3-2,0-1-5], [1:0-6-0,0-9-11], [2:0-3-2,0-1-8], [5:0-5-0,Edge], [8:0-3-0,0-2-4]							
LOADING (psf)		SPACING-		CSI.		DEFL.	
TCLL 20.0		2-0-0		TC 0.99		in (loc) l/defl L/d	
TCDL 7.0		Plate Grip DOL 1.25		BC 1.00		Vert(LL) 0.56 13-15 >657 240	
BCLL 0.0 *		Lumber DOL 1.25		WB 0.97		Vert(CT) -0.54 13-15 >688 180	
BCDL 10.0		Rep Stress Incr NO		Matrix-MS		Horz(CT) -0.12 10 n/a n/a	
		Code FBC2017/TP12014				PLATES	
						MT20 244/190	
						MT20HS 187/143	
						Weight: 189 lb FT = 20%	

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 2-1-15 oc purlins.
BOT CHORD	2x6 SP No.2	BOT CHORD	Rigid ceiling directly applied or 3-5-13 oc bracing.
WEBS	2x4 SP No.3		
SLIDER	Left 2x6 SP No.2 1-3-5		
REACTIONS.			
	(size) 10=0-3-8, 18=0-5-8		
	Max Horz 18=-73(LC 28)		
	Max Uplift 10=-1505(LC 5), 18=-1592(LC 4)		
	Max Grav 10=1848(LC 1), 18=1961(LC 1)		

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD 1-2=-459/395, 2-3=-3163/2729, 3-4=-2947/2577, 4-6=-4813/4139, 6-7=-5012/4306, 7-8=-3641/3154, 8-9=-3909/3340, 9-10=-3748/3094	
BOT CHORD 17-18=-1841/2216, 16-17=-1844/2219, 15-16=-3666/4373, 13-15=-4300/5131, 12-13=-3967/4742, 11-12=-2805/3409, 10-11=-2805/3409	
WEBS 2-18=-2322/1934, 2-16=-757/910, 3-16=-830/918, 4-16=-1806/1483, 4-15=-660/778, 6-15=-512/417, 7-13=-415/539, 7-12=-1415/1147, 8-12=-1003/1129, 9-12=-387/359, 9-11=-274/279	

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - Provide adequate drainage to prevent water ponding.
 - All plates are MT20 plates unless otherwise indicated.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 10=1505, 18=1592.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 94 lb down and 104 lb up at 6-0-0, 75 lb down and 104 lb up at 8-0-12, 75 lb down and 104 lb up at 10-0-12, 75 lb down and 104 lb up at 12-0-12, 75 lb down and 104 lb up at 14-0-12, 75 lb down and 94 lb up at 15-2-12, 75 lb down and 104 lb up at 16-4-12, 75 lb down and 104 lb up at 18-4-12, 75 lb down and 104 lb up at 20-4-12, and 75 lb down and 104 lb up at 22-4-12, and 174 lb down and 202 lb up at 24-5-8 on top chord, and 187 lb down and 262 lb up at 6-0-0, 63 lb down and 75 lb up at 8-0-12, 63 lb down and 75 lb up at 10-0-12, 63 lb down and 75 lb up at 12-0-12, 63 lb down and 75 lb up at 14-0-12, 63 lb down and 75 lb up at 15-2-12, 63 lb down and 75 lb up at 16-4-12, 63 lb down and 75 lb up at 18-4-12, 63 lb down and 75 lb up at 20-4-12, and 63 lb down and 75 lb up at 22-4-12, and 187 lb down and 262 lb up at 24-4-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).



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LOAD CASE(S) Standard	
Continued on page 2	
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 6904 Parke East Blvd. Tampa, FL 36610	

Job	Truss	Truss Type	Qty	Ply	AMIRA BLDRS. - NICEWONGER RES.	T20922695
2380539	T44	Hip Girder	1	1	Job Reference (optional)	

LOAD CASE(S)
Standard

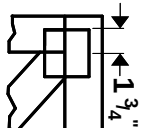
- 1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
- Uniform Loads (plf)

Vert: 1-3=-54, 3-8=-54, 8-10=-54, 19-23=-20
- Concentrated Loads (lb)

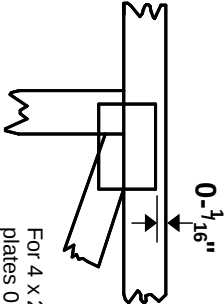
Vert: 3=-75(F) 8=-127(F) 16=-119(F) 4=-75(F) 6=-75(F) 7=-75(F) 12=-119(F) 26=-75(F) 27=-75(F) 28=-75(F) 29=-75(F) 30=-75(F) 31=-75(F) 32=-40(F) 33=-40(F) 34=-40(F) 35=-40(F) 36=-40(F) 37=-40(F) 38=-40(F) 39=-40(F) 40=-40(F)

Symbols

PLATE LOCATION AND ORIENTATION



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



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

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

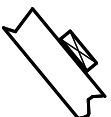
*** Plate location details available in MITek 20120 software or upon request.**

PLATE SIZE

4 X 4

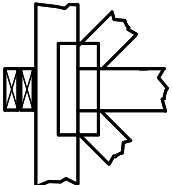
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



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

BEARING



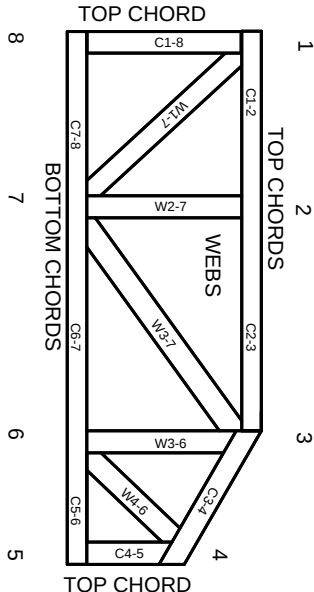
Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

ANSI/TP1.1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-89: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System

6-4-8 dimensions shown in ft-in-sixteenths (Drawings not to scale)



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

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

PRODUCT CODE APPROVALS

ICC-ES Reports:

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

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

Lumber design values are in accordance with ANSI/TP1 1 section 6.3 These truss designs rely on lumber values established by others.

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



General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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