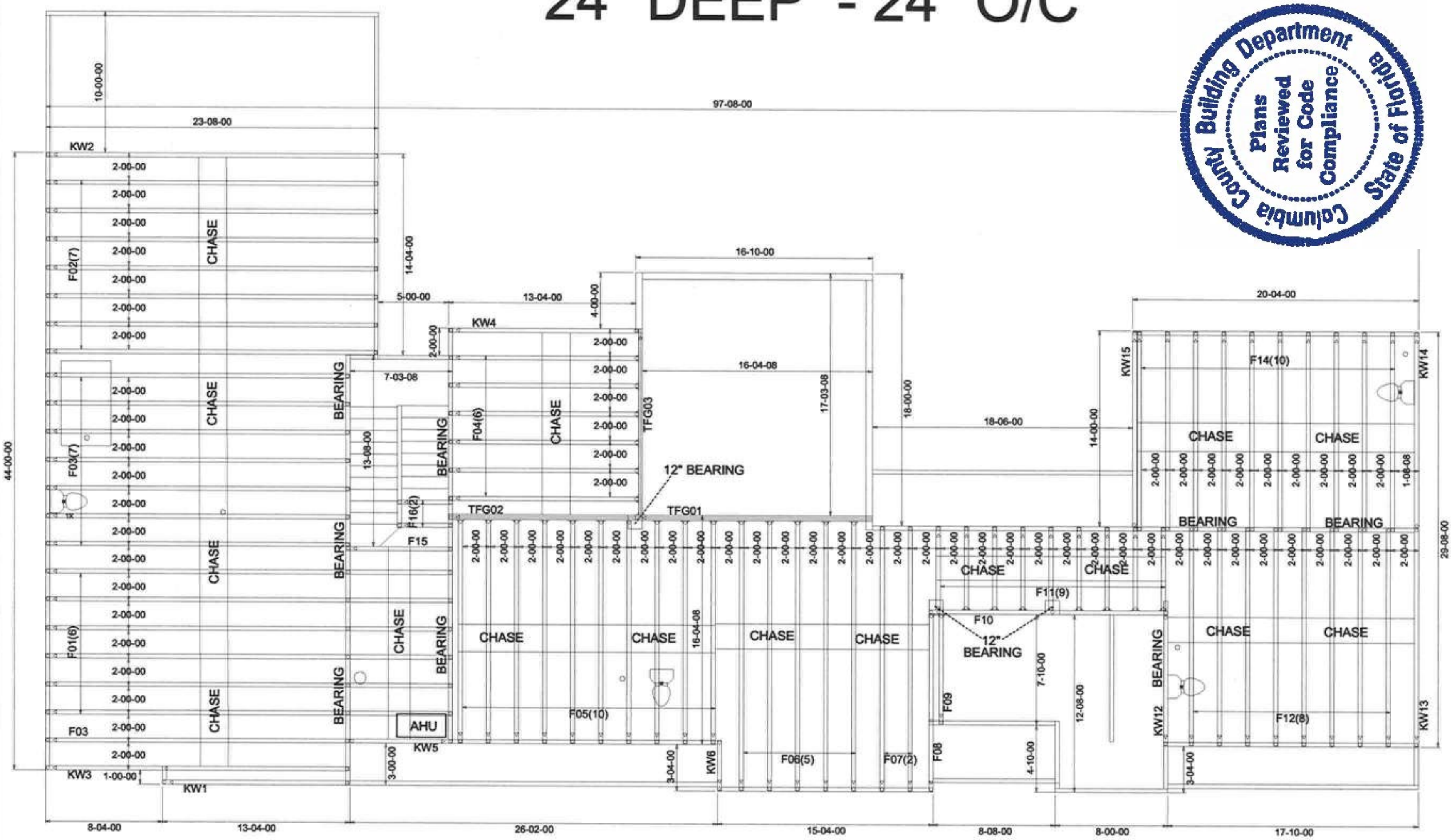
24" DEEP - 24" O/C



Columbia County Building Department
Plans Reviewed for Code Compliance
State of Florida

BEARING HEIGHT SCHEDULE

10' 1-1/8"

NOTES:

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

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

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

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

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

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

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

Builders FirstSource

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

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

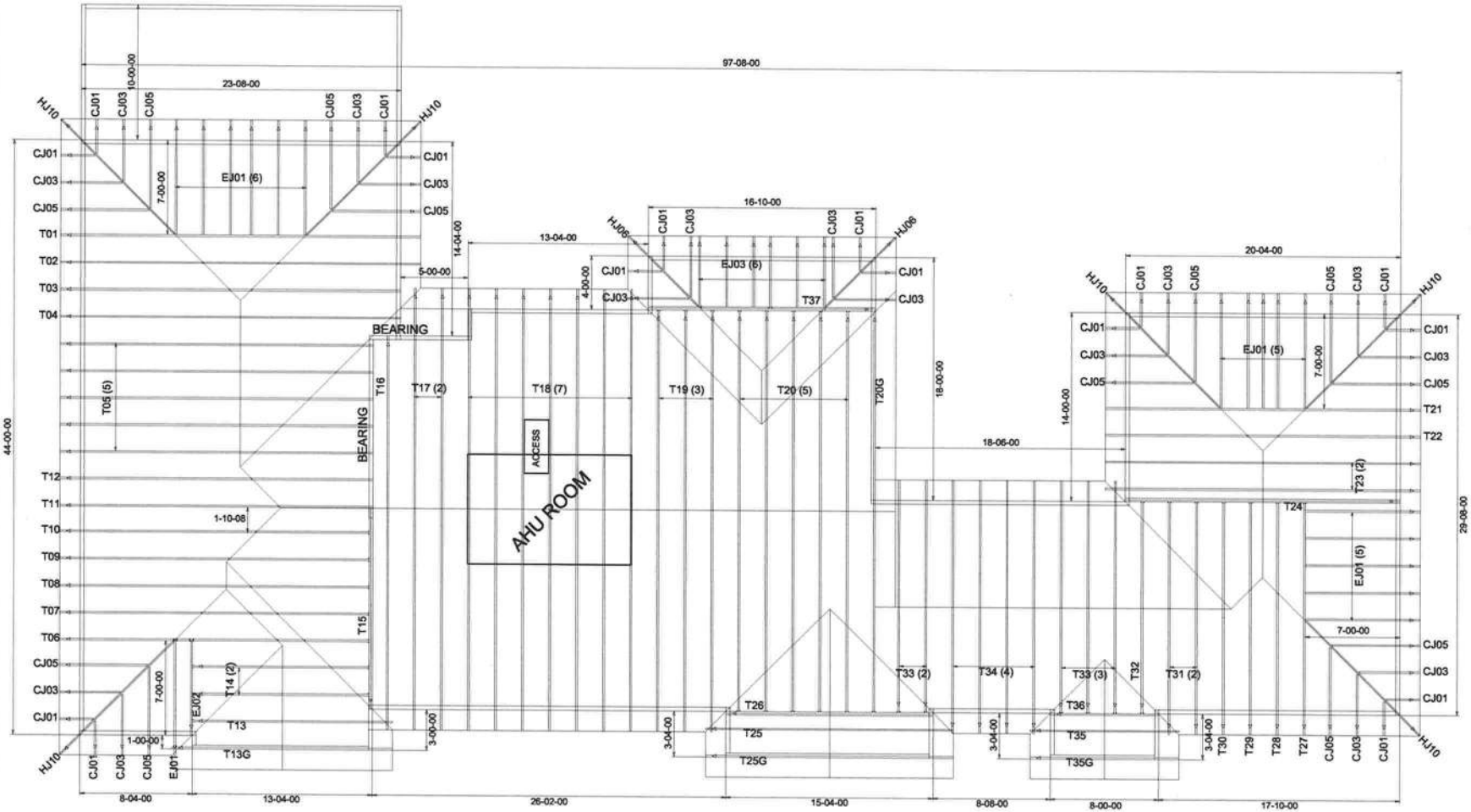
Lake City
PHONE: 386-755-6894 FAX: 386-755-7973

BUILDER: EVANSTON CONT.		
JOB ADDRESS: AREA 36		
DATE: 1-17-21	DRAWN BY: KLH	Original Reference #: 2564966
		Cust Job#: 2564966

NOTE BEARING ADDED

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

5/12 PITCH - 18" O/H



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

BEARING HEIGHT SCHEDULE

9' 1-1/8"

NOTES:

1) REFER TO HIB-91 (RECOMMENDATIONS FOR HANDLING INSTALLATION AND TEMPORARY BRACING) REFER TO ENGINEERED DRAWINGS FOR PERMANENT BRACING REQUIRED.
2) ALL TRUSSES (INCLUDING TRUSSES UNDER VALLEY FRAMING) MUST BE COMPLETELY DECKED OR REFER TO DETAIL WP3 FOR ALTERNATE BRACING REQUIREMENTS.
3) ALL VALLEYS ARE TO BE CONVENTIONALLY FRAMED BY BUILDER.
4) ALL TRUSSES ARE DESIGNED FOR 2' o.c. MAXIMUM SPACING, UNLESS OTHERWISE NOTED.
5) ALL WALLS SHOWN ON PLACEMENT PLAN ARE CONSIDERED TO BE LOAD BEARING, UNLESS OTHERWISE NOTED.
6) SY42 TRUSSES MUST BE INSTALLED WITH THE TOP BEING UP.
7) BEAM/HEADER/LINTEL (MBK) TO BE FURNISHED BY BUILDER.

Builders FirstSource

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

Tampa
PHONE: 813-621-9831 FAX: 813-628-8456

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

BUILDER:	EVANSTON CONT.
JOB ADDRESS:	AREA 36
MODEL:	Revision:
	Rev. By:
DATE: 1-17-21	DESIGNER: KLH
	Original Reference #: 2564966
2nd Level Job #:	3rd Level Job #:
	Roof Job #: 2564966

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

RE: 2564966 - EVANSTON CONT - AREA 36

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

Site Information:
Customer Info: Evanston Cont/ Project Name: Area 36 Model: Custom
Lot/Block: N/A Subdivision: N/A
Address: TBD, TBD
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: FBC2020/TPI2014 Design Program: MiTek 20/20 8.4
Wind Code: N/A Wind Speed: 130 mph
Roof Load: 40.0 psf Floor Load: 65.0 psf

This package includes 77 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	T22511149	CJ01	1/19/21	23	T22511171	HJ10	1/19/21
2	T22511150	CJ03	1/19/21	24	T22511172	KW1	1/19/21
3	T22511151	CJ05	1/19/21	25	T22511173	KW2	1/19/21
4	T22511152	EJ01	1/19/21	26	T22511174	KW3	1/19/21
5	T22511153	EJ02	1/19/21	27	T22511175	KW4	1/19/21
6	T22511154	EJ03	1/19/21	28	T22511176	KW5	1/19/21
7	T22511155	F01	1/19/21	29	T22511177	KW6	1/19/21
8	T22511156	F02	1/19/21	30	T22511178	KW12	1/19/21
9	T22511157	F03	1/19/21	31	T22511179	KW13	1/19/21
10	T22511158	F04	1/19/21	32	T22511180	KW14	1/19/21
11	T22511159	F05	1/19/21	33	T22511181	KW15	1/19/21
12	T22511160	F06	1/19/21	34	T22511182	T01	1/19/21
13	T22511161	F07	1/19/21	35	T22511183	T02	1/19/21
14	T22511162	F08	1/19/21	36	T22511184	T03	1/19/21
15	T22511163	F09	1/19/21	37	T22511185	T04	1/19/21
16	T22511164	F10	1/19/21	38	T22511186	T05	1/19/21
17	T22511165	F11	1/19/21	39	T22511187	T06	1/19/21
18	T22511166	F12	1/19/21	40	T22511188	T07	1/19/21
19	T22511167	F14	1/19/21	41	T22511189	T08	1/19/21
20	T22511168	F15	1/19/21	42	T22511190	T09	1/19/21
21	T22511169	F16	1/19/21	43	T22511191	T10	1/19/21
22	T22511170	HJ06	1/19/21	44	T22511192	T11	1/19/21

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

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

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

Walter P. Finn PE No.22839
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
January 19,2021

RE: 2564966 - EVANSTON CONT - AREA 36

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

Site Information:

Customer Info: Evanston Cont/ Project Name: Area 36 Model: Custom
Lot/Block: N/A Subdivision: N/A
Address: TBD, TBD
City: Columbia Cty State: FL

No.	Seal#	Truss Name	Date
45	T22511193	T12	1/19/21
46	T22511194	T13	1/19/21
47	T22511195	T13G	1/19/21
48	T22511196	T14	1/19/21
49	T22511197	T15	1/19/21
50	T22511198	T16	1/19/21
51	T22511199	T17	1/19/21
52	T22511200	T18	1/19/21
53	T22511201	T19	1/19/21
54	T22511202	T20	1/19/21
55	T22511203	T20G	1/19/21
56	T22511204	T21	1/19/21
57	T22511205	T22	1/19/21
58	T22511206	T23	1/19/21
59	T22511207	T24	1/19/21
60	T22511208	T25	1/19/21
61	T22511209	T25G	1/19/21
62	T22511210	T26	1/19/21
63	T22511211	T27	1/19/21
64	T22511212	T28	1/19/21
65	T22511213	T29	1/19/21
66	T22511214	T30	1/19/21
67	T22511215	T31	1/19/21
68	T22511216	T32	1/19/21
69	T22511217	T33	1/19/21
70	T22511218	T34	1/19/21
71	T22511219	T35	1/19/21
72	T22511220	T35G	1/19/21
73	T22511221	T36	1/19/21
74	T22511222	T37	1/19/21
75	T22511223	TFG01	1/19/21
76	T22511224	TFG02	1/19/21
77	T22511225	TFG03	1/19/21

Job	Truss	Truss Type	Qty	Ply	EVANSTON CONT - AREA 36	T22511149
2564966	CJ01	Jack-Open	16	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Jan 19 09:25:19 2021 Page 1
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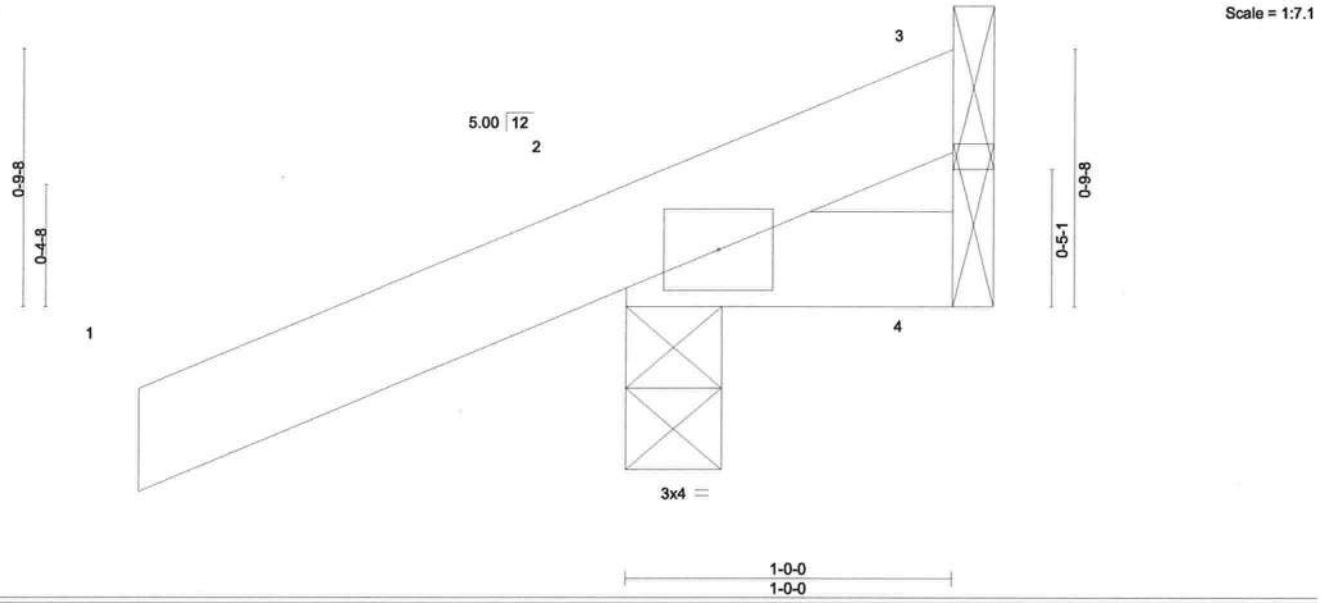

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.14	Vert(LL)	0.00	7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.03	Vert(CT)	0.00	7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP							Weight: 6 lb	FT = 20%

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

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

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=35(LC 8)
Max Uplift 3=-7(LC 1), 2=-89(LC 8), 4=-22(LC 1)
Max Grav 3=11(LC 8), 2=198(LC 1), 4=21(LC 8)

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

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
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) 3, 2, 4.

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

January 19,20

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	EVANSTON CONT - AREA 36	T22511150
2564966	CJ03	Jack-Open	16	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Jan 19 09:25:20 2021 Page 1
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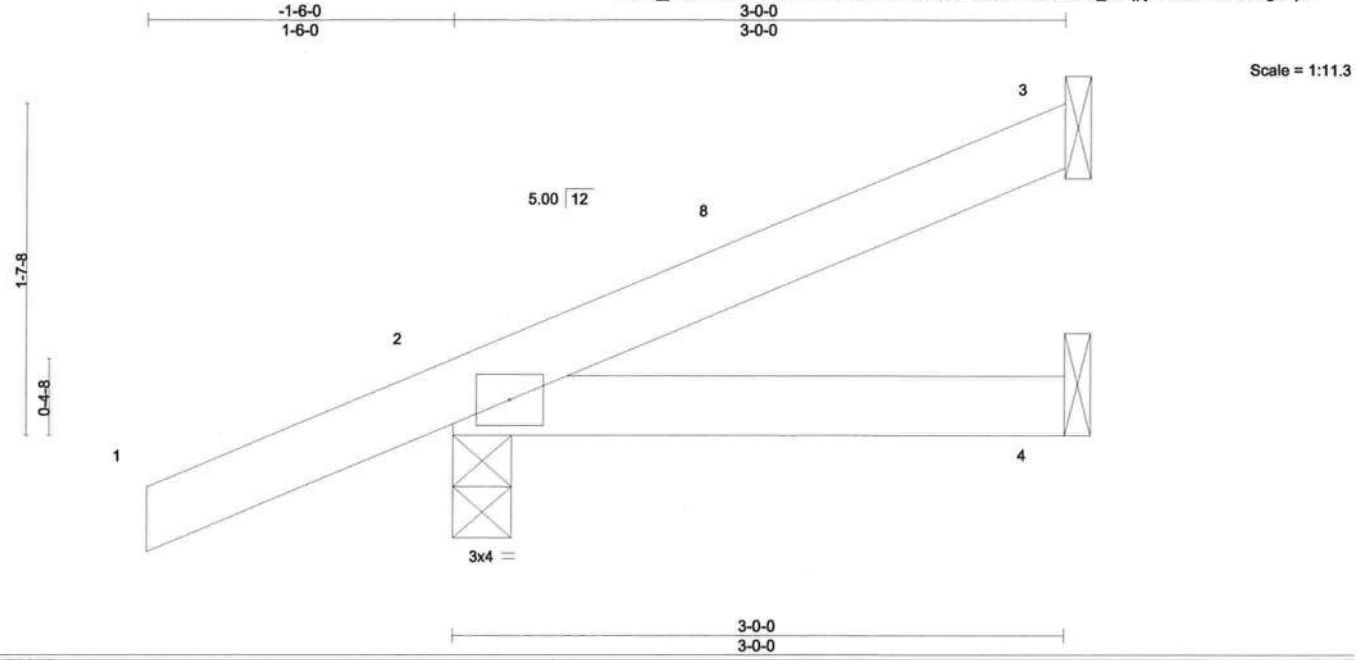

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.14	Vert(LL)	-0.00	4-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.07	Vert(CT)	-0.01	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP							Weight: 12 lb	FT = 20%

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

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

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=65(LC 12)
Max Uplift 3=-35(LC 12), 2=-69(LC 8)
Max Grav 3=65(LC 1), 2=230(LC 1), 4=50(LC 3)

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

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 2-11-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
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) 3, 2.

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

January 19,202

Job	Truss	Truss Type	Qty	Ply	EVANSTON CONT - AREA 36	T22511151
2564966	CJ05	Jack-Open	12	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Jan 19 09:25:20 2021 Page 1
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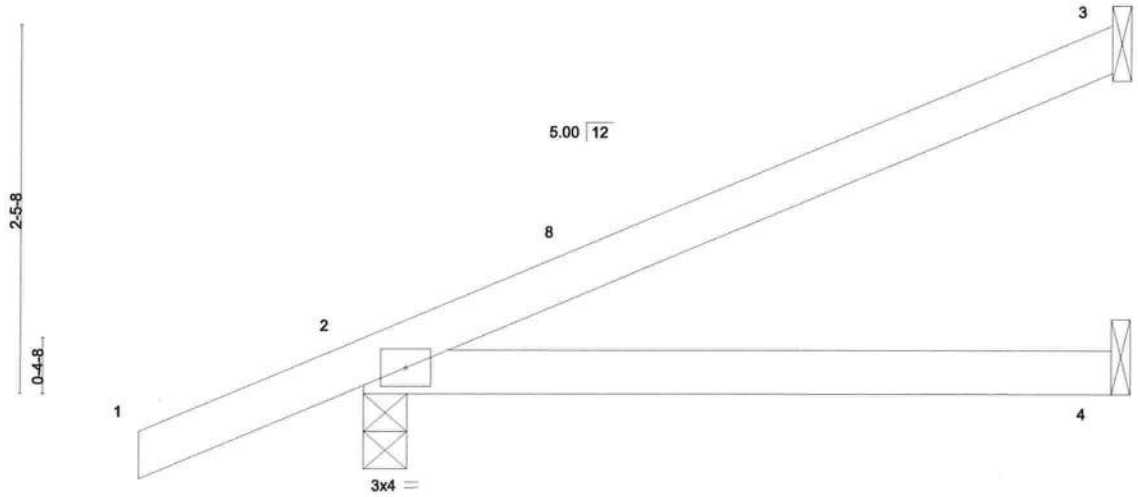
Scale = 1:15.4



5-0-0 / 5-0-0

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.30	Vert(LL)	0.03	4-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.24	Vert(CT)	-0.06	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 FBC2020/TPI2014		Matrix-MP							Weight: 18 lb	FT = 20%

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

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

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=95(LC 12)
Max Uplift 3=-66(LC 12), 2=-79(LC 12)
Max Grav 3=124(LC 1), 2=301(LC 1), 4=89(LC 3)

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

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 4-11-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
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) 3, 2.

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

January 19,20

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	EVANSTON CONT - AREA 36	T22511152
2564966	EJ01	Jack-Partial	17	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Jan 19 09:25:21 2021 Page 1
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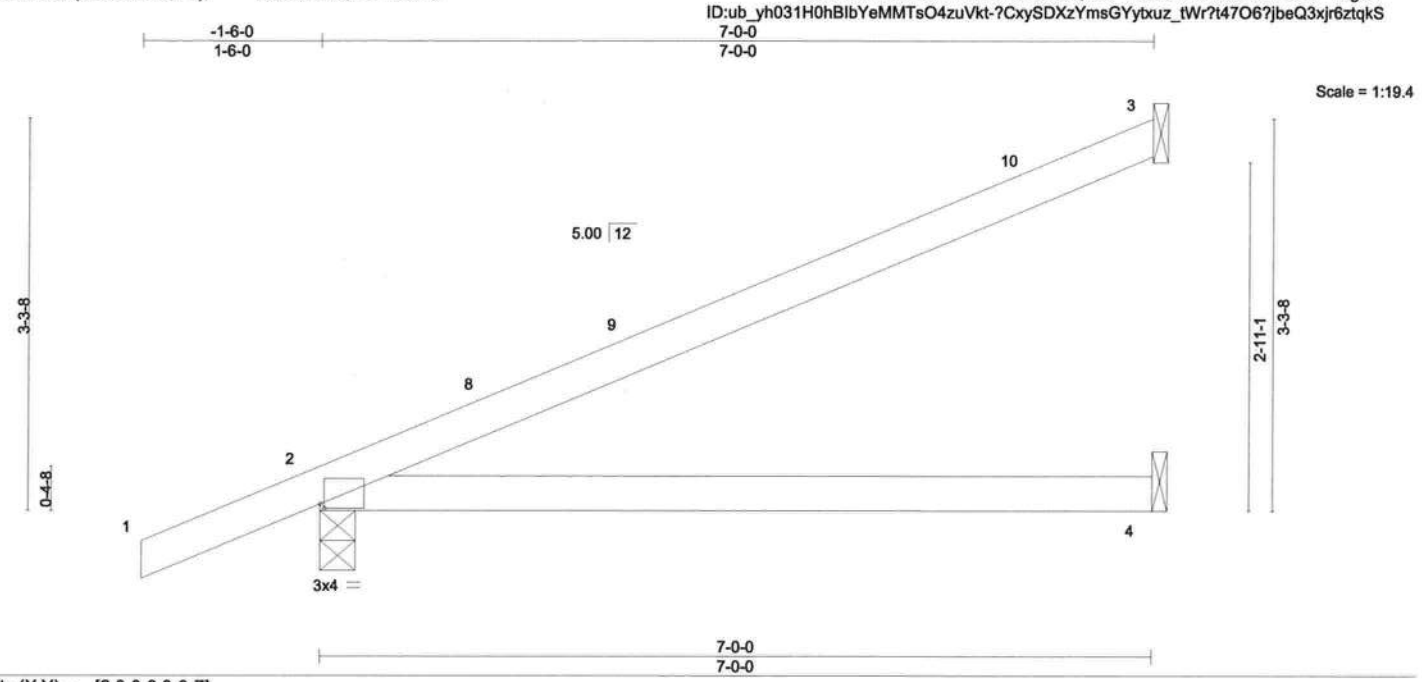

Plate Offsets (X,Y)– [2:0-0-6,0-0-7]

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	0.68	Vert(LL)	0.11	4-7	>789	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.53	Vert(CT)	-0.23	4-7	>369	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.01	2	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 24 lb	FT = 20%

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

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

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=121(LC 12)
Max Uplift 3=-85(LC 12), 2=-94(LC 12)
Max Grav 3=181(LC 1), 2=377(LC 1), 4=128(LC 3)

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

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 6-11-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
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) 3, 2.

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

January 19,20

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	EVANSTON CONT - AREA 36	T22511153
2564966	EJ02	Jack-Open Girder	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Jan 19 09:25:22 2021 Page 1
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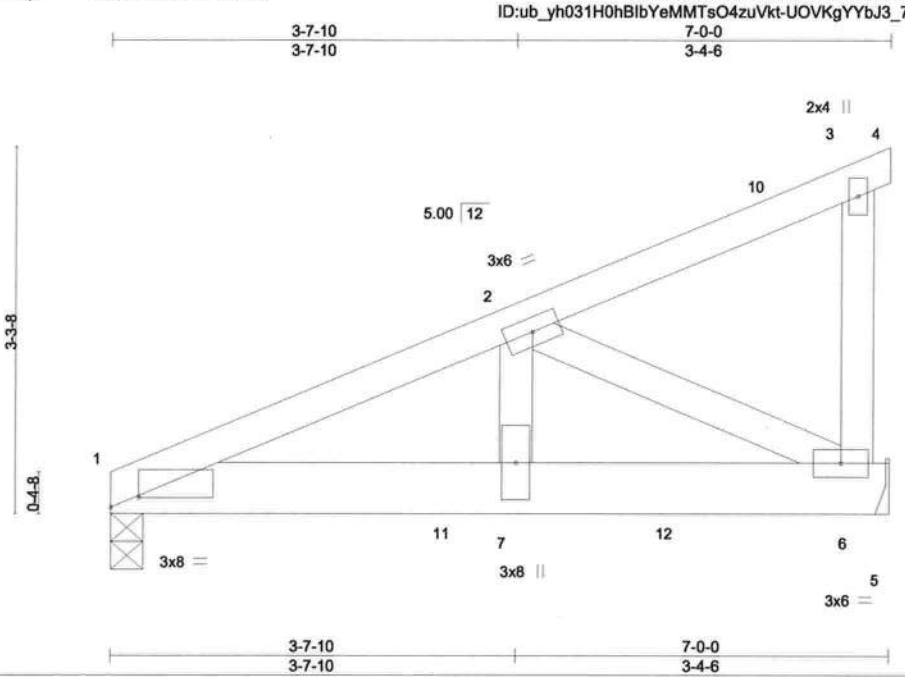

Plate Offsets (X,Y)– [1:0-3-0,0-1-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.25	Vert(LL)	-0.02	7-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.63	Vert(CT)	-0.05	7-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.41	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 38 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 4-6-1 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=0-3-8, 6=Mechanical
Max Horz 1=102(LC 8)
Max Uplift 1=-254(LC 8), 6=-255(LC 8)
Max Grav 1=1100(LC 1), 6=962(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1534/340
BOT CHORD 1-7=-382/1411, 6-7=-382/1411
WEBS 2-7=-219/1035, 2-6=-1571/426

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
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) 1=254, 6=255.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 508 lb down and 137 lb up at 1-0-12, and 503 lb down and 136 lb up at 3-0-12, and 503 lb down and 136 lb up at 5-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-60, 3-4=-20, 1-5=-20
Concentrated Loads (lb)
Vert: 9=-508(F) 11=-503(F) 12=-503(F)

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Job	Truss	Truss Type	Qty	Ply	EVANSTON CONT - AREA 36	T22511154
2564966	EJ03	Jack-Open	6	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Jan 19 09:25:23 2021 Page 1
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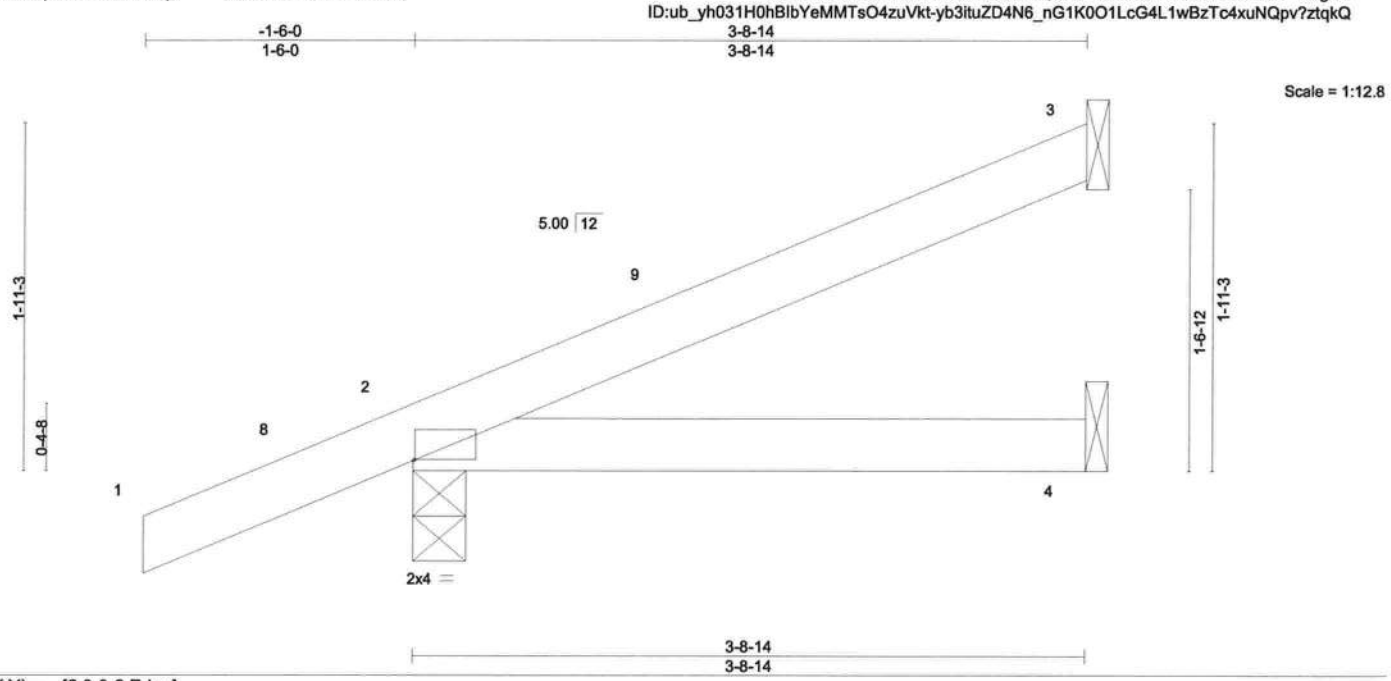

Plate Offsets (X,Y)– [2:0-0-2,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.14	Vert(LL)	-0.01	4-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.12	Vert(CT)	-0.02	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 FBC2020/TPI2014		Matrix-MP							Weight: 14 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-8-14 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=76(LC 12)
Max Uplift 3=-47(LC 12), 2=-71(LC 12)
Max Grav 3=88(LC 1), 2=255(LC 1), 4=65(LC 3)

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

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 3-8-2 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
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) 3, 2.

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Job	Truss	Truss Type	Qty	Ply	EVANSTON CONT - AREA 36	T22511155
2564966	F01	Floor	6	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Jan 19 09:25:25 2021 Page 1
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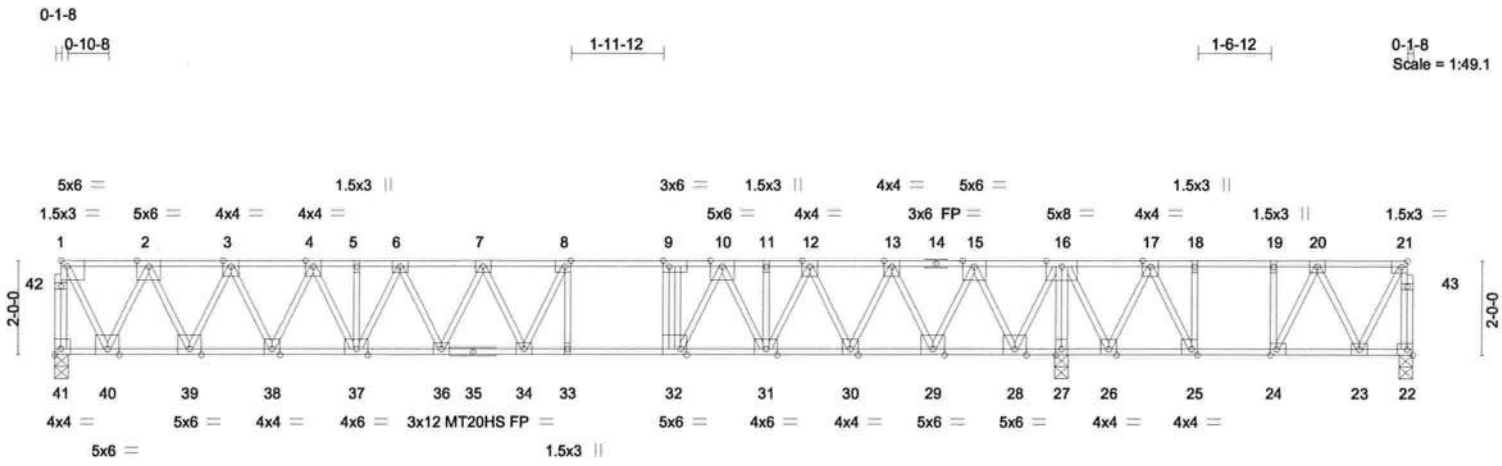

Plate Offsets (X,Y)– [1:Edge,0-1-8], [8:0-1-8,Edge], [9:0-1-8,Edge], [21:0-1-8,Edge], [24:0-1-8,Edge], [25:0-1-8,Edge], [32:0-1-8,Edge], [41:Edge,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.63	Vert(LL)	-0.23	33-34	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.00	BC	0.82	Vert(CT)	-0.37	33-34	>693	240	MT20HS	187/143
BCLL	0.0	Rep Stress Incr	YES	WB	0.71	Horz(CT)	0.06	27	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 200 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP M 31(flat)
BOT CHORD 2x4 SP M 31(flat)
WEBS 2x4 SP No.3(flat)

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

REACTIONS. (size) 41=0-3-8, 22=0-3-8, 27=0-3-8
Max Uplift 22=-40(LC 3)
Max Grav 41=1311(LC 10), 22=374(LC 4), 27=2169(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-41=-1302/0, 21-22=-378/21, 1-2=-653/0, 2-3=-1665/0, 3-4=-2449/0, 4-5=-3055/0, 5-6=-3055/0, 6-7=-3412/0, 7-8=-3539/0, 8-9=-3424/0, 9-10=-3414/0, 10-11=-2716/0, 11-12=-2716/0, 12-13=-1991/0, 13-15=-1069/0, 15-16=0/267, 16-17=0/678, 17-18=-266/256, 18-19=-266/256, 19-20=-266/256
BOT CHORD 39-40=0/1211, 38-39=0/2101, 37-38=0/2781, 36-37=0/3271, 34-36=0/3546, 33-34=0/3424, 32-33=0/3424, 31-32=0/3012, 30-31=0/2377, 29-30=0/1576, 28-29=0/545, 27-28=-911/0, 26-27=-911/0, 25-26=-504/90, 24-25=-256/266, 23-24=-88/270
WEBS 16-27=-2035/0, 1-40=0/1364, 16-28=0/1481, 2-40=-1318/0, 15-28=-1460/0, 2-39=0/1074, 15-29=0/1258, 3-39=-1032/0, 13-29=-1218/0, 3-38=0/823, 13-30=0/995, 4-38=-786/0, 12-30=-925/0, 4-37=0/611, 12-31=0/773, 6-37=-483/0, 10-31=-680/0, 6-36=0/334, 10-32=0/1030, 7-36=-317/0, 9-32=-587/0, 21-23=-39/333, 16-26=0/564, 20-23=-256/164, 17-26=-663/0, 20-24=-376/0, 17-25=0/706, 18-25=-420/0, 8-33=-380/12, 8-34=-178/495

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) All plates are 3x4 MT20 unless otherwise indicated.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 22.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
6) CAUTION, Do not erect truss backwards.

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Job	Truss	Truss Type	Qty	Ply	EVANSTON CONT - AREA 36	T22511156
2564966	F02	Floor	7	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Jan 19 09:25:26 2021 Page 1
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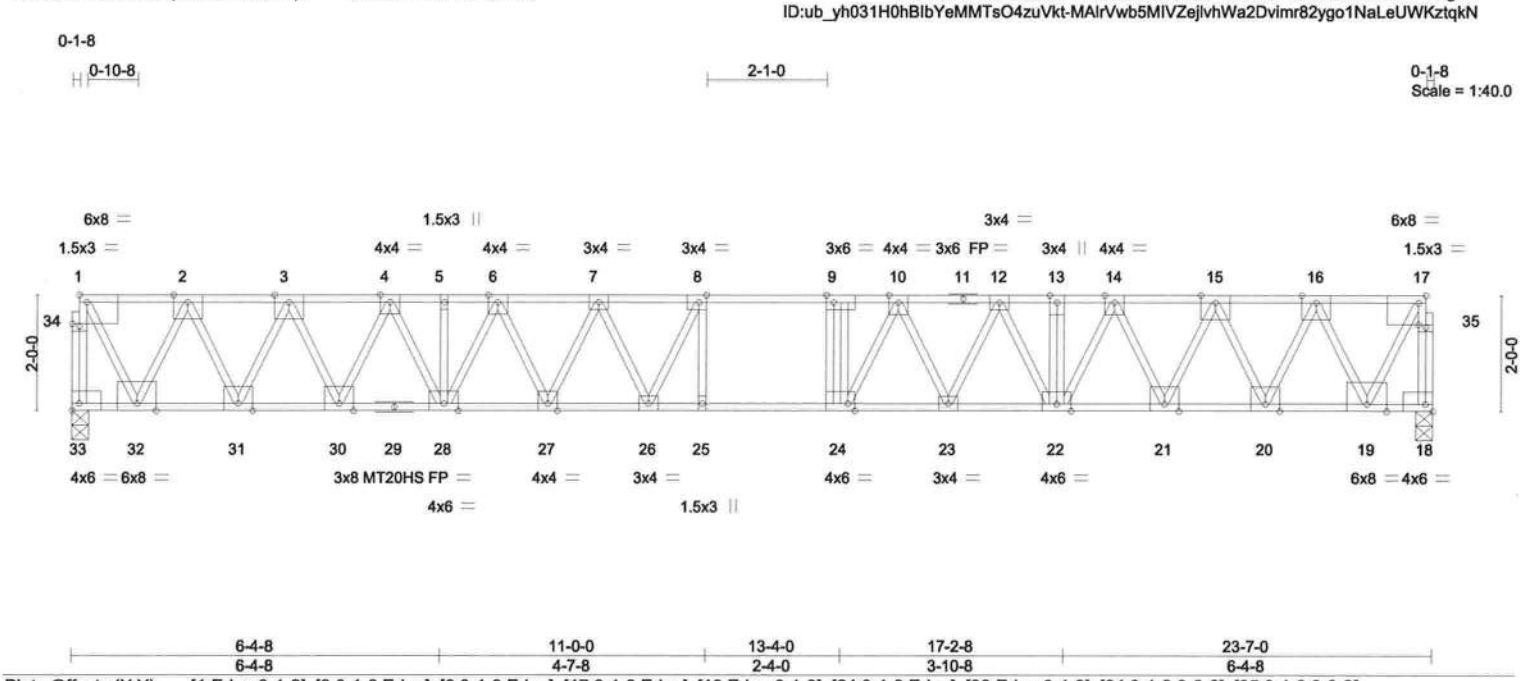

Plate Offsets (X,Y)– [1:Edge,0-1-8], [8:0-1-8,Edge], [9:0-1-8,Edge], [17:0-1-8,Edge], [18:Edge,0-1-8], [24:0-1-8,Edge], [33:Edge,0-1-8], [34:0-1-8,0-0-8], [35:0-1-8,0-0-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.49	Vert(LL)	-0.25	25	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.00	BC	0.74	Vert(CT)	-0.41	25	>685	240	MT20HS	187/143
BCLL	0.0	Rep Stress Incr	YES	WB	0.76	Horz(CT)	0.09	18	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 165 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP M 31(flat)
BOT CHORD 2x4 SP M 31(flat)
WEBS 2x4 SP No.3(flat)

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) 33=0-3-8, 18=0-3-8
Max Grav 33=1510(LC 1), 18=1510(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-33=-1500/0, 17-18=-1500/0, 1-2=-759/0, 2-3=-1956/0, 3-4=-2926/0, 4-5=-3722/0, 5-6=-3722/0, 6-7=-4271/0, 7-8=-4594/0, 8-9=-4686/0, 9-10=-4681/0, 10-12=-4294/0, 12-13=-3746/0, 13-14=-3746/0, 14-15=-2926/0, 15-16=-1956/0, 16-17=-759/0
BOT CHORD 31-32=0/1409, 30-31=0/2486, 28-30=0/3351, 27-28=0/4045, 26-27=0/4481, 25-26=0/4686, 24-25=0/4686, 23-24=0/4496, 22-23=0/4085, 21-22=0/3351, 20-21=0/2485, 19-20=0/1409
WEBS 17-19=0/1586, 1-32=0/1586, 16-19=-1537/0, 2-32=-1537/0, 16-20=0/1293, 2-31=0/1293, 15-20=-1251/0, 3-31=-1252/0, 15-21=0/1042, 3-30=0/1042, 14-21=-1005/0, 4-30=-1004/0, 14-22=0/839, 4-28=0/829, 12-22=-721/0, 6-28=-723/0, 12-23=0/495, 6-27=0/534, 10-23=-553/0, 7-27=-498/0, 10-24=-90/773, 7-26=0/488, 8-26=-626/227, 9-24=-446/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) All plates are 5x6 MT20 unless otherwise indicated.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

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Job	Truss	Truss Type	Qty	Ply	EVANSTON CONT - AREA 36	T22511157
2564966	F03	Floor	8	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Jan 19 09:25:27 2021 Page 1
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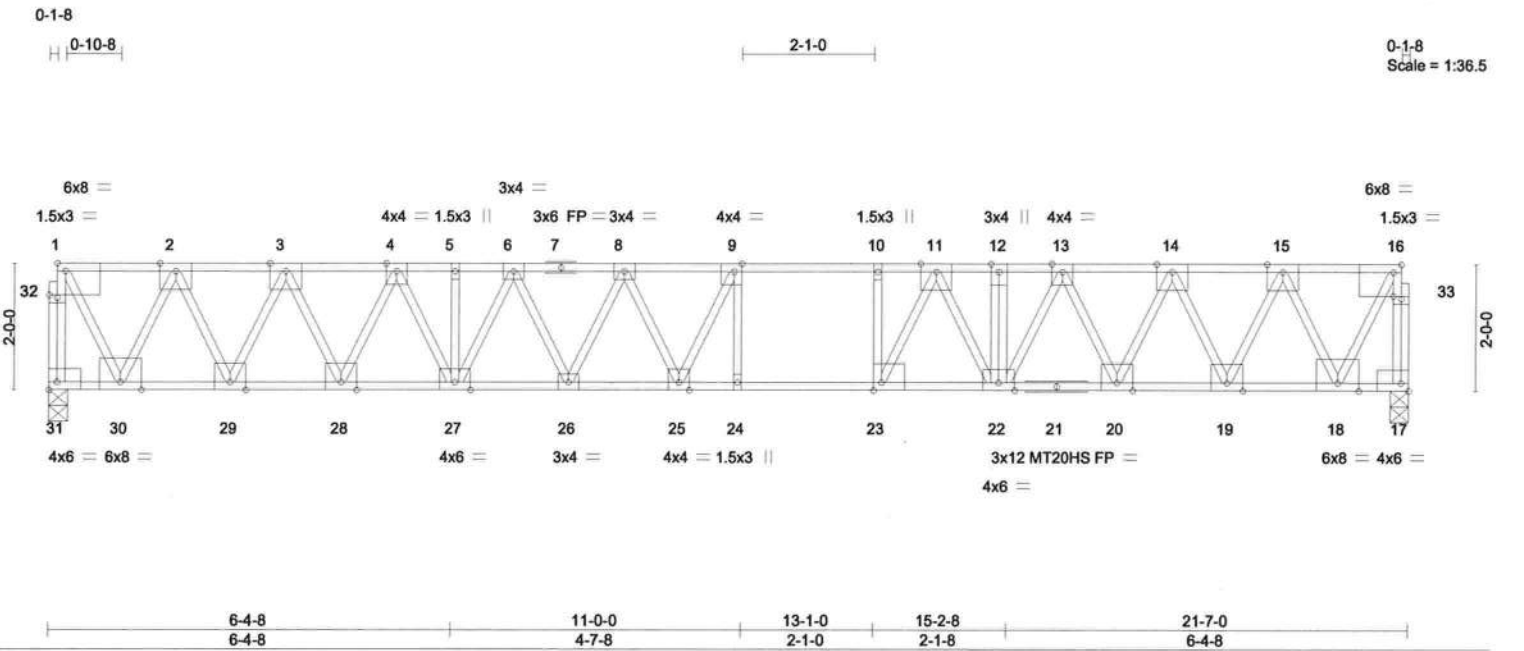

Plate Offsets (X,Y)– [1:Edge,0-1-8], [9:0-1-8,Edge], [16:0-1-8,Edge], [17:Edge,0-1-8], [23:0-1-8,Edge], [31:Edge,0-1-8], [32:0-1-8,0-0-8], [33:0-1-8,0-0-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	55.0	Plate Grip DOL	1.00	TC	0.80	Vert(LL)	-0.31	24-25	>834	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.00	BC	0.97	Vert(CT)	-0.44	24-25	>578	240	MT20HS	187/143
BCLL	0.0	Rep Stress Incr	YES	WB	0.84	Horz(CT)	0.08	17	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 148 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP M 31(flat)
BOT CHORD 2x4 SP M 31(flat)
WEBS 2x4 SP No.3(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-8-3 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 2-2-0 oc bracing: 23-24.

REACTIONS. (size) 31=0-3-8, 17=0-3-8
Max Grav 31=1698(LC 1), 17=1698(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-31=-1688/0, 16-17=-1689/0, 1-2=-848/0, 2-3=-2173/0, 3-4=-3217/0, 4-5=-4043/0, 5-6=-4043/0, 6-8=-4565/0, 8-9=-4806/0, 9-10=-4757/0, 10-11=-4757/0, 11-12=-4059/0, 12-13=-4059/0, 13-14=-3221/0, 14-15=-2171/0, 15-16=-849/0
BOT CHORD 29-30=0/1576, 28-29=0/2751, 27-28=0/3667, 26-27=0/4357, 25-26=0/4764, 24-25=0/4757, 23-24=0/4757, 22-23=0/4393, 20-22=0/3661, 19-20=0/2753, 18-19=0/1576
WEBS 16-18=0/1772, 1-30=0/1771, 15-18=-1719/0, 2-30=-1721/0, 15-19=0/1409, 2-29=0/1410, 14-19=-1375/0, 3-29=-1368/0, 14-20=0/1106, 3-28=0/1102, 13-20=-1041/0, 4-28=-1065/0, 13-22=0/845, 4-27=0/841, 11-22=-755/0, 6-27=-701/0, 11-23=0/1189, 6-26=0/491, 8-26=-471/0, 8-25=-154/432, 10-23=-707/0, 9-24=-438/163, 9-25=-508/528

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) All plates are 5x6 MT20 unless otherwise indicated.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

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Job	Truss	Truss Type	Qty	Ply	EVANSTON CONT - AREA 36	T22511158
2564966	F04	Floor	6	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Jan 19 09:25:28 2021 Page 1
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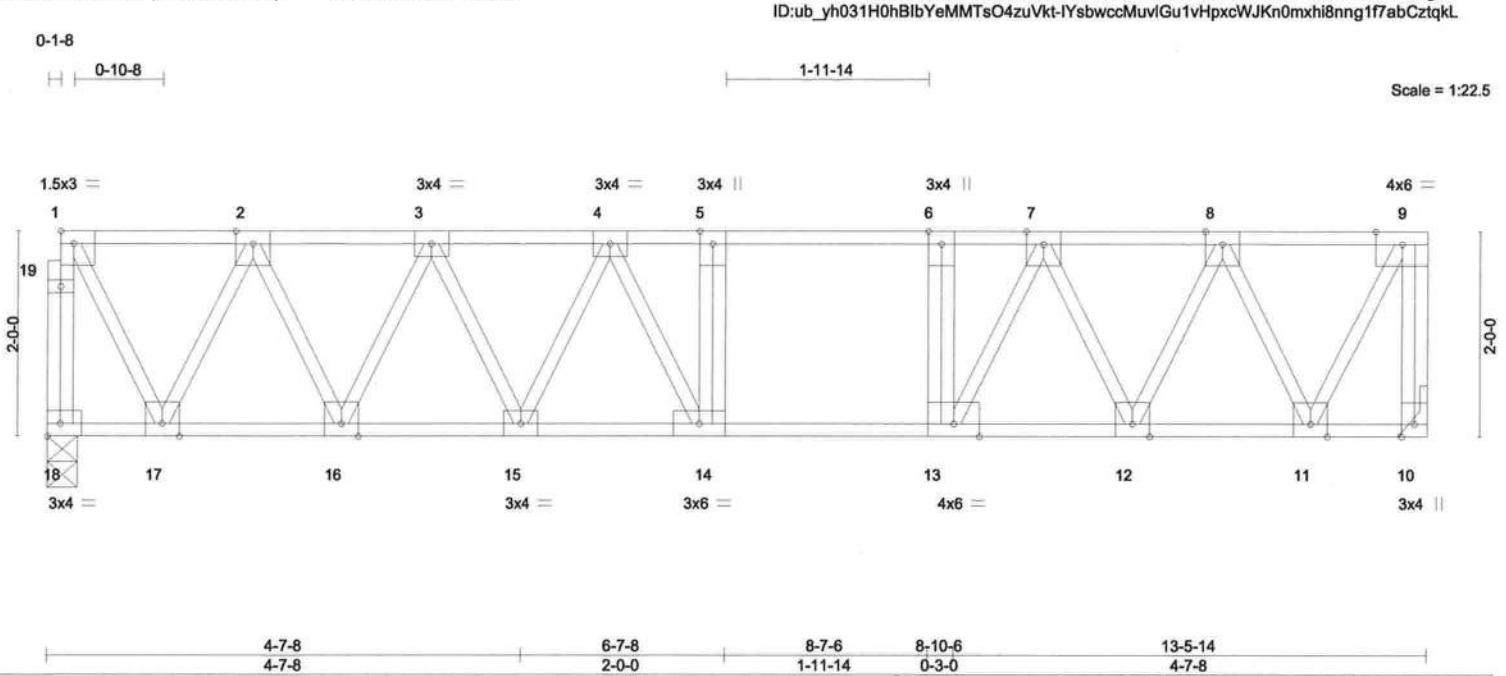

Plate Offsets (X,Y)-- [1:Edge,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.85	Vert(LL)	-0.12	14-15	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.00	BC	0.92	Vert(CT)	-0.17	14-15	>941	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.42	Horz(CT)	0.02	10	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 95 lb	FT = 20%F, 11%E

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

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, Except: 2-2-0 oc bracing: 13-14.

REACTIONS. (size) 18=0-3-8, 10=Mechanical
Max Grav 18=854(LC 1), 10=861(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-18=-847/0, 9-10=-857/0, 1-2=-412/0, 2-3=-993/0, 3-4=-1364/0, 4-5=-1470/0, 5-6=-1470/0, 6-7=-1470/0, 7-8=-982/0, 8-9=-415/0
BOT CHORD 16-17=0/754, 15-16=0/1221, 14-15=0/1468, 13-14=0/1470, 12-13=0/1213, 11-12=0/757
WEBS 9-11=0/881, 1-17=0/857, 8-11=-809/0, 2-17=-810/0, 8-12=0/533, 2-16=0/564, 7-12=-546/0, 3-16=-539/0, 3-15=0/337, 4-15=-251/0, 6-13=-413/0, 7-13=0/667, 4-14=-149/267

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 4x4 MT20 unless otherwise indicated.
3) Refer to girder(s) for truss to truss connections.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
5) CAUTION, Do not erect truss backwards.

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Job	Truss	Truss Type	Qty	Ply	EVANSTON CONT - AREA 36	T22511159
2564966	F05	Floor	10	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Jan 19 09:25:28 2021 Page 1
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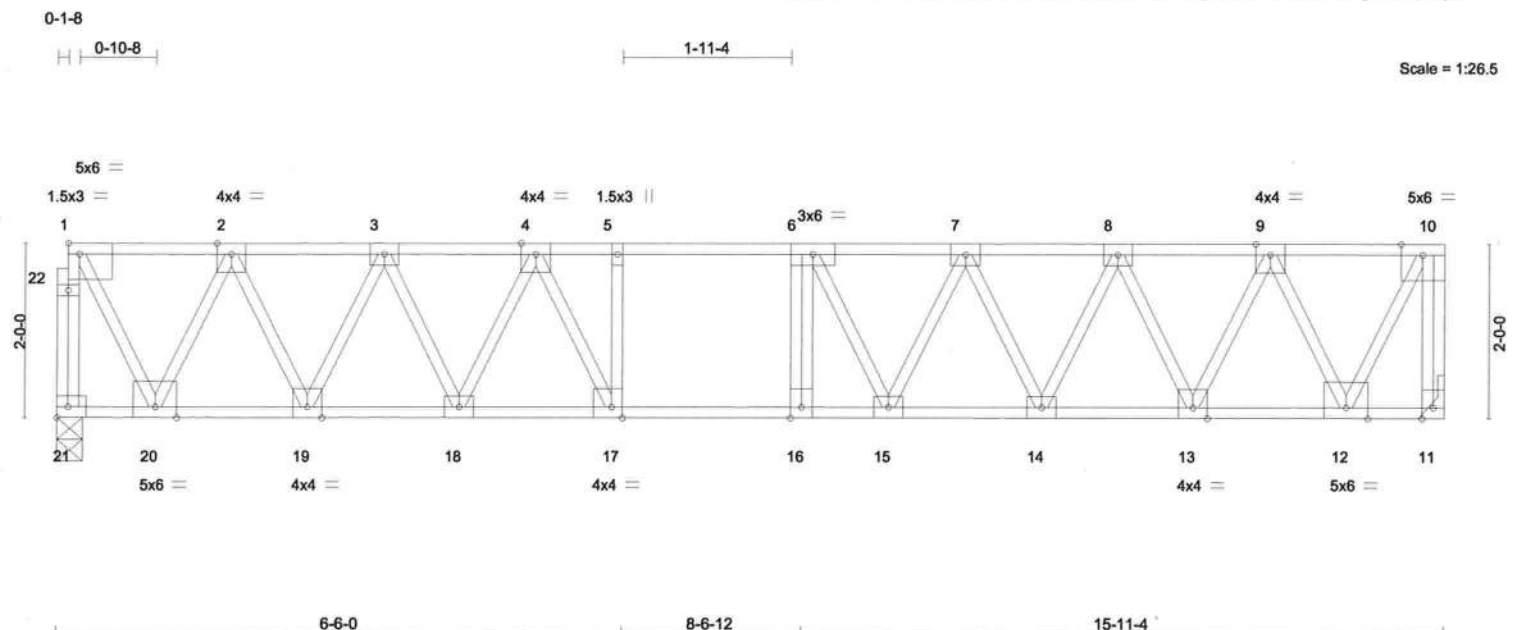

Plate Offsets (X,Y)– [1:Edge,0-1-8], [17:0-1-8,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.63	Vert(LL)	-0.11	15-16	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.00	BC	0.45	Vert(CT)	-0.16	15-16	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.50	Horz(CT)	0.03	11	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 109 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP M 31(flat)
WEBS 2x4 SP No.3(flat)

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) 21=0-3-8, 11=Mechanical
Max Grav 21=1013(LC 1), 11=1020(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-21=-1003/0, 10-11=-1010/0, 1-2=-494/0, 2-3=-1230/0, 3-4=-1728/0, 4-5=-2104/0, 5-6=-2104/0, 6-7=-2035/0, 7-8=-1737/0, 8-9=-1228/0, 9-10=-495/0
BOT CHORD 19-20=0/914, 18-19=0/1526, 17-18=0/1930, 16-17=0/2104, 15-16=0/2104, 14-15=0/1937, 13-14=0/1524, 12-13=0/915
WEBS 10-12=0/1051, 1-20=0/1031, 9-12=-994/0, 2-20=-991/0, 9-13=0/741, 2-19=0/749, 8-13=-698/0, 3-19=-698/0, 8-14=0/504, 3-18=0/479, 7-14=-473/0, 4-18=-478/0, 7-15=0/335, 4-17=0/593, 5-17=-327/0, 6-15=-391/90

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
3) Refer to girder(s) for truss to truss connections.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
5) CAUTION, Do not erect truss backwards.

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Date:

January 19,20

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	EVANSTON CONT - AREA 36	T22511160
2564966	F06	Floor	5	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Jan 19 09:25:29 2021 Page 1
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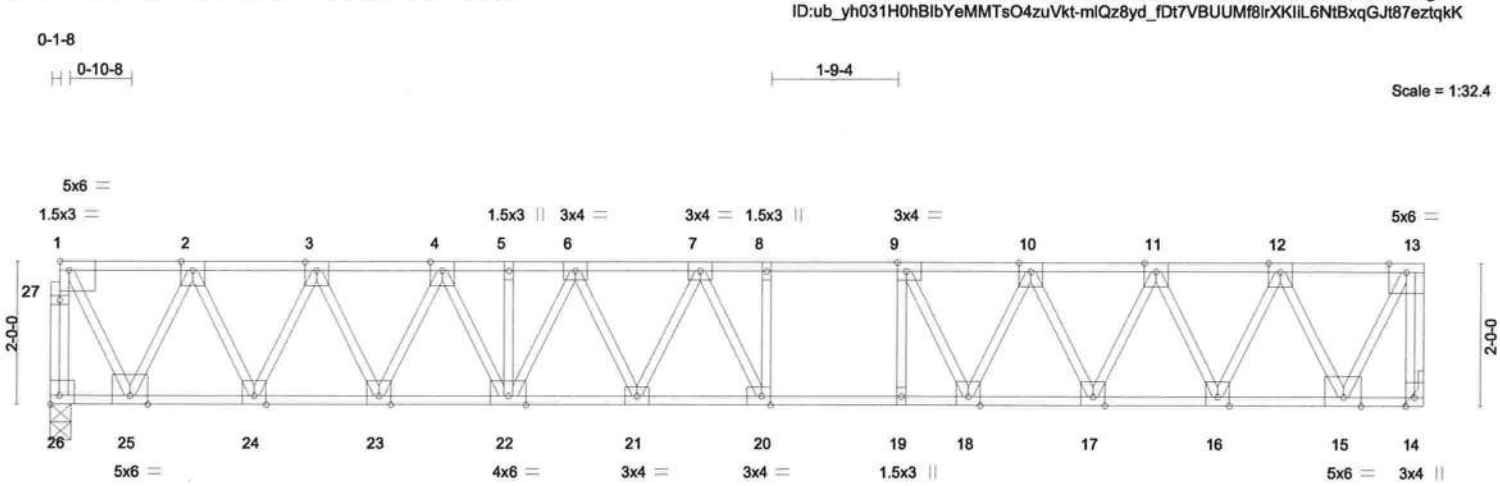

Plate Offsets (X,Y)– [1:Edge,0-1-8], [9:0-1-8,Edge], [20:0-1-8,Edge], [26:Edge,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.39	Vert(LL)	-0.16	20-21	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.00	BC	0.63	Vert(CT)	-0.25	20-21	>899	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.62	Horz(CT)	0.05	14	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 130 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP M 31(flat)
BOT CHORD 2x4 SP M 31(flat)
WEBS 2x4 SP No.3(flat)

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) 26=0-3-8, 14=Mechanical
Max Grav 26=1229(LC 1), 14=1236(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-26=-1221/0, 13-14=-1227/0, 1-2=-610/0, 2-3=-1545/0, 3-4=-2255/0, 4-5=-2777/0, 5-6=-2777/0, 6-7=-3069/0, 7-8=-3051/0, 8-9=-3051/0, 9-10=-2763/0, 10-11=-2254/0, 11-12=-1546/0, 12-13=-610/0
BOT CHORD 24-25=0/1129, 23-24=0/1945, 22-23=0/2548, 21-22=0/2966, 20-21=0/3125, 19-20=0/3051, 18-19=0/3051, 17-18=0/2538, 16-17=0/1947, 15-16=0/1130
WEBS 13-15=0/1295, 1-25=0/1274, 12-15=-1231/0, 2-25=-1228/0, 12-16=0/984, 2-24=0/984, 11-16=-947/0, 3-24=-944/0, 11-17=0/726, 3-23=0/735, 10-17=-672/0, 4-23=-691/0, 10-18=0/610, 4-22=0/512, 6-22=-424/0, 6-21=0/279, 9-18=-816/0, 7-21=-254/18, 7-20=-404/264, 9-19=-13/356

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 4x4 MT20 unless otherwise indicated.
3) Refer to girder(s) for truss to truss connections.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
5) CAUTION, Do not erect truss backwards.

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Job	Truss	Truss Type	Qty	Ply	EVANSTON CONT - AREA 36	T22511161
2564966	F07	Floor	2	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Jan 19 09:25:30 2021 Page 1
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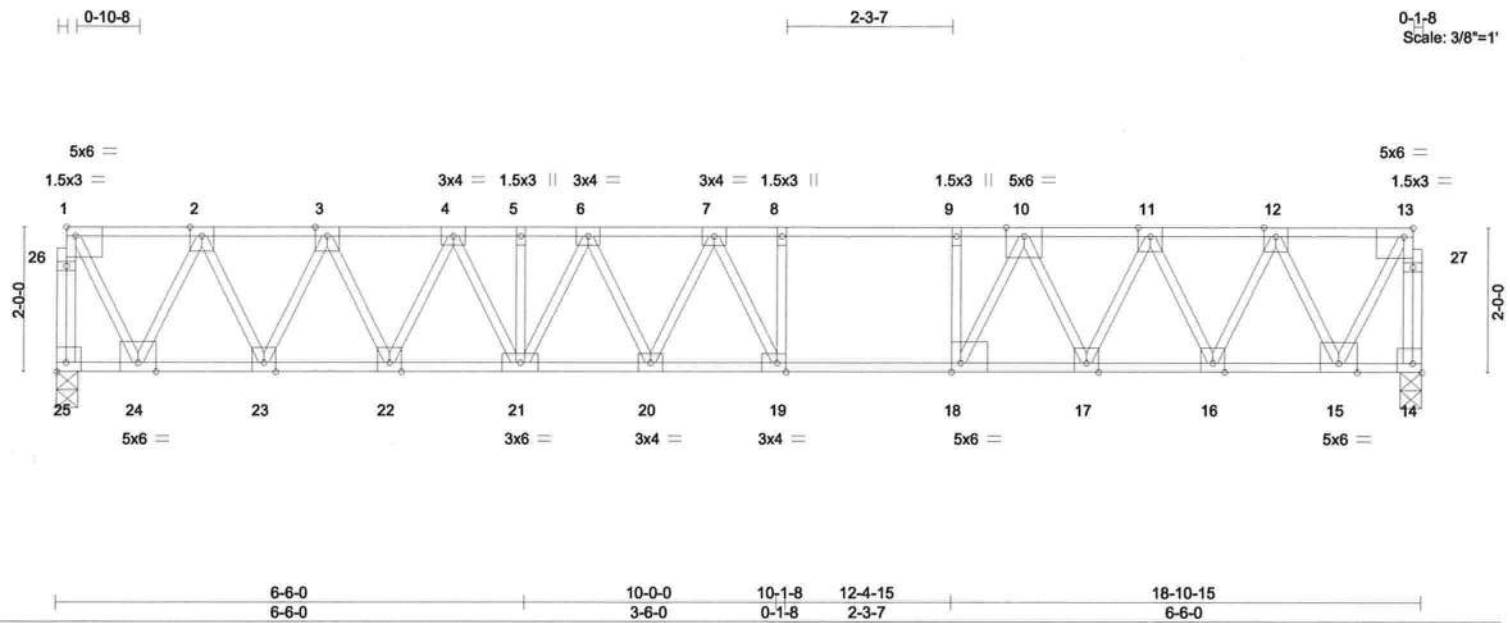

Plate Offsets (X,Y)– [1:Edge,0-1-8], [13:0-1-8,Edge], [14:Edge,0-1-8], [18:0-1-8,Edge], [19:0-1-8,Edge], [25:Edge,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.68	Vert(LL)	-0.22	19-20	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.00	BC	0.70	Vert(CT)	-0.34	19-20	>650	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.59	Horz(CT)	0.04	14	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 126 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP M 31(flat)
BOT CHORD 2x4 SP M 31(flat)
WEBS 2x4 SP No.3(flat)

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) 25=0-3-8, 14=0-3-8
Max Grav 25=1206(LC 1), 14=1206(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-25=-1197/0, 13-14=-1195/0, 1-2=-598/0, 2-3=-1511/0, 3-4=-2200/0, 4-5=-2697/0, 5-6=-2697/0, 6-7=-2976/0, 7-8=-2876/0, 8-9=-2876/0, 9-10=-2876/0, 10-11=-2174/0, 11-12=-1518/0, 12-13=-596/0
BOT CHORD 23-24=0/1106, 22-23=0/1900, 21-22=0/2480, 20-21=0/2877, 19-20=0/3009, 18-19=0/2876, 17-18=0/2487, 16-17=0/1898, 15-16=0/1107
WEBS 13-15=0/1243, 1-24=0/1248, 12-15=-1208/0, 2-24=-1202/0, 12-16=0/973, 2-23=0/958, 11-16=-898/0, 3-23=-919/0, 11-17=0/654, 3-22=0/710, 10-17=-738/0, 4-22=-663/0, 10-18=0/1059, 9-18=-648/0, 4-21=0/485, 6-21=-402/0, 6-20=0/265, 7-19=-510/204

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 4x4 MT20 unless otherwise indicated.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

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Job	Truss	Truss Type	Qty	Ply	EVANSTON CONT - AREA 36	T22511162
2564966	F08	Floor	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Jan 19 09:25:31 2021 Page 1
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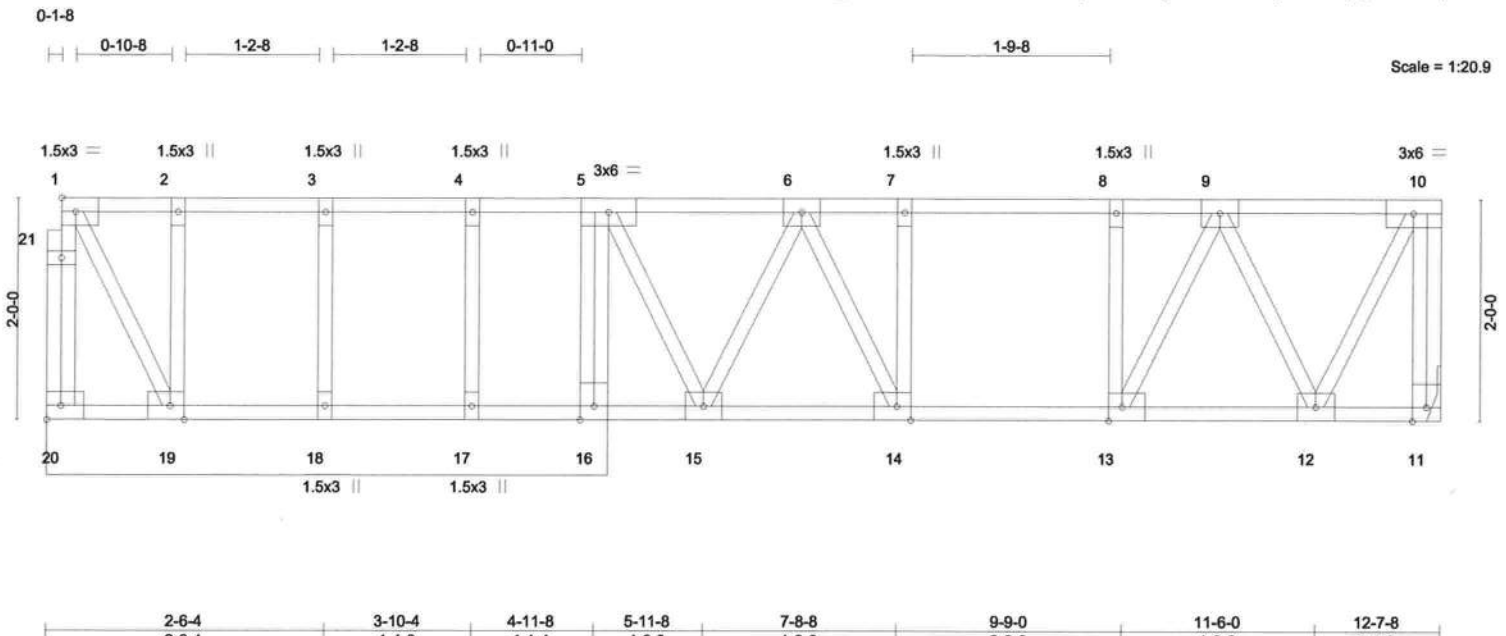

Plate Offsets (X,Y)– [13:0-1-8,Edge], [14:0-1-8,Edge], [19:0-1-8,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.23	Vert(LL)	-0.01	13	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.00	BC	0.20	Vert(CT)	-0.02	13	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.21	Horz(CT)	0.00	11	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 86 lb	FT = 20%F, 11%E

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

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 5-1-0 except (jt=length) 11=Mechanical.
(lb) - Max Uplift All uplift 100 lb or less at joint(s) except 20=-152(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 20, 18, 17 except 11=478(LC 4), 16=597(LC 1), 19=366(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 10-11=-472/0, 6-7=-451/0, 7-8=-451/0, 8-9=-451/0
BOT CHORD 14-15=0/340, 13-14=0/451, 12-13=0/370
WEBS 5-16=-566/0, 10-12=0/438, 5-15=0/432, 9-12=-388/0, 6-15=-402/0, 6-14=0/269

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 152 lb uplift at joint 20.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
6) CAUTION, Do not erect truss backwards.

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January 19,20

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Job	Truss	Truss Type	Qty	Ply	EVANSTON CONT - AREA 36	T22511163
2564966	F09	Floor	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Jan 19 09:25:32 2021 Page 1
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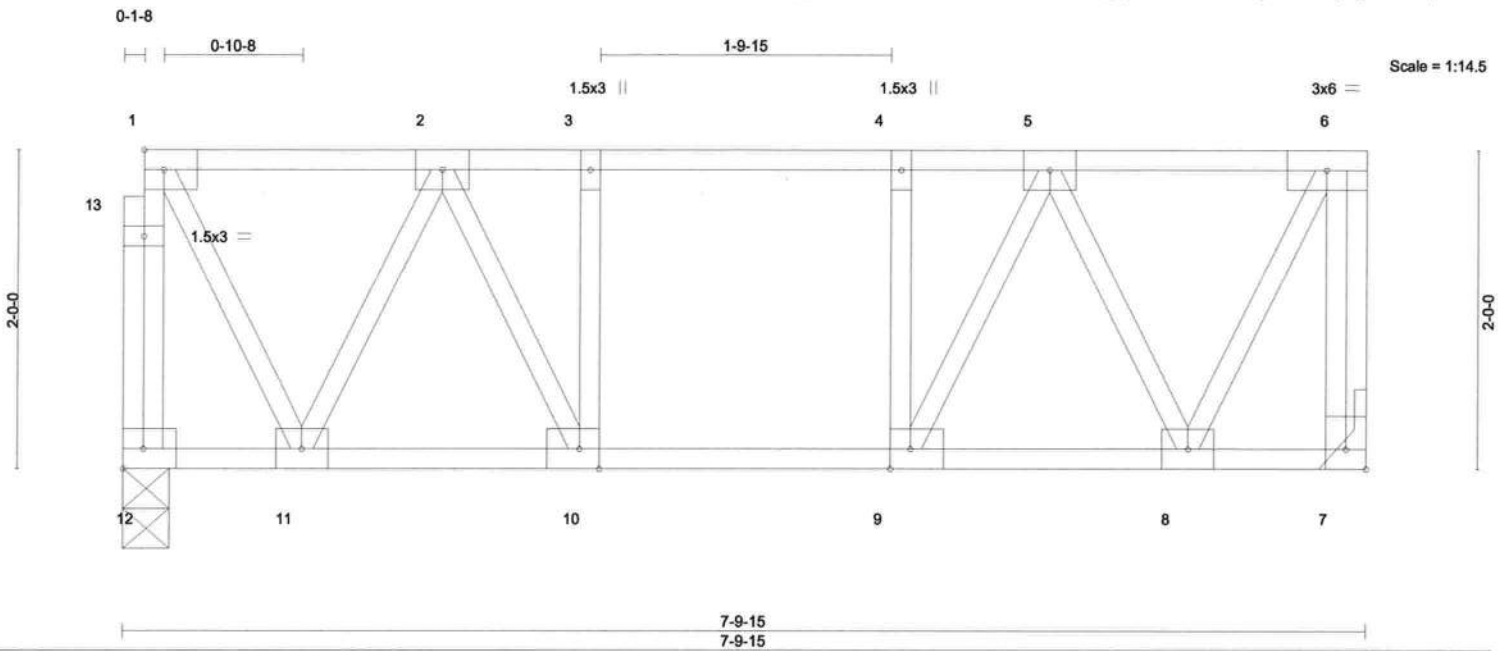

Plate Offsets (X,Y)– [7:Edge,0-1-8], [9:0-1-8,Edge], [10:0-1-8,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.27	Vert(LL)	-0.02	10	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.00	BC	0.22	Vert(CT)	-0.02	10	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.22	Horz(CT)	0.00	7	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 56 lb	FT = 20%F, 11%E

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

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) 12=0-3-8, 7=Mechanical
Max Grav 12=486(LC 1), 7=493(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-12=-479/0, 6-7=-485/0, 2-3=-480/0, 3-4=-480/0, 4-5=-480/0
BOT CHORD 10-11=0/384, 9-10=0/480, 8-9=0/385
WEBS 6-8=0/452, 1-11=0/441, 5-8=-407/0, 2-11=-403/0, 5-9=0/295, 2-10=0/296

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
3) Refer to girder(s) for truss to truss connections.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
5) CAUTION, Do not erect truss backwards.

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January 19,20

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Job	Truss	Truss Type	Qty	Ply	EVANSTON CONT - AREA 36	T22511164
2564966	F10	Floor Girder	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Jan 19 09:25:33 2021 Page 1
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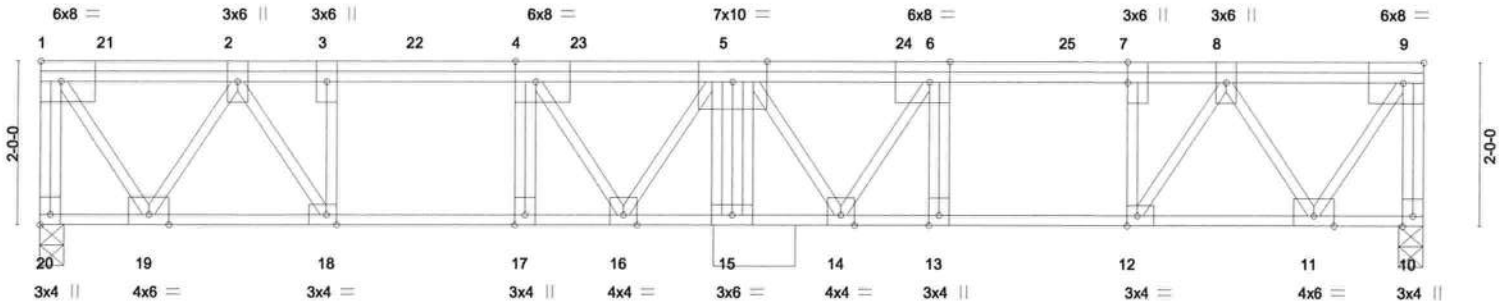

6-0-12 7-1-12 8-5-12 8-9-0 9-9-12 16-11-8
6-0-12 1-1-0 1-4-0 0-3-4 1-0-12 7-1-12

Plate Offsets (X,Y)– [4:0-3-0,Edge], [6:0-3-0,Edge], [7:0-3-0,0-0-0], [9:0-3-0,Edge], [12:0-1-8,Edge], [18:0-1-8,Edge], [20:Edge,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.52	Vert(LL)	-0.03	18	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.00	BC	0.51	Vert(CT)	-0.05	18-19	>999	240		
BCLL	0.0	Rep Stress Incr	NO	WB	0.55	Horz(CT)	0.02	10	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 139 lb	FT = 20%F, 11%E

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

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) 20=0-3-8, 10=0-3-8, 15=1-0-0
Max Grav 20=1728(LC 10), 10=1272(LC 7), 15=1900(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-20=-1721/0, 9-10=-1266/0, 1-2=-638/0, 2-3=-1286/0, 3-4=-1286/0, 4-5=-755/0, 5-6=-726/0, 6-7=-1236/0, 7-8=-1236/0, 8-9=-566/0
BOT CHORD 18-19=0/1183, 17-18=0/1286, 16-17=0/1286, 13-14=0/1236, 12-13=0/1236, 11-12=0/1046
WEBS 5-15=-1840/0, 1-19=0/1149, 5-16=0/994, 2-19=-1063/0, 4-16=-983/0, 9-11=0/1021, 5-14=0/951, 8-11=-935/0, 6-14=-943/0, 8-12=0/383, 7-12=-291/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
3) CAUTION, Do not erect truss backwards.
4) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 462 lb down at 0-1-8, 467 lb down at 0-10-4, 344 lb down at 2-7-12, 344 lb down at 4-7-12, 344 lb down at 6-7-12, 344 lb down at 10-7-12, 344 lb down at 12-7-12, and 344 lb down at 14-7-12, and 356 lb down at 16-10-0 on top chord. The design/selection of such connection device(s) is the responsibility of others.
5) 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 + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 10-20=-20, 1-9=-110
Concentrated Loads (lb)
Vert: 9=-308(B) 1=-421(F) 2=-264(B) 8=-264(B) 21=-397(F) 22=-264(B) 23=-264(B) 24=-264(B) 25=-264(B)

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January 19,20

Job	Truss	Truss Type	Qty	Ply	EVANSTON CONT - AREA 36	T22511165
2564966	F11	Floor	9	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Jan 19 09:25:34 2021 Page 1
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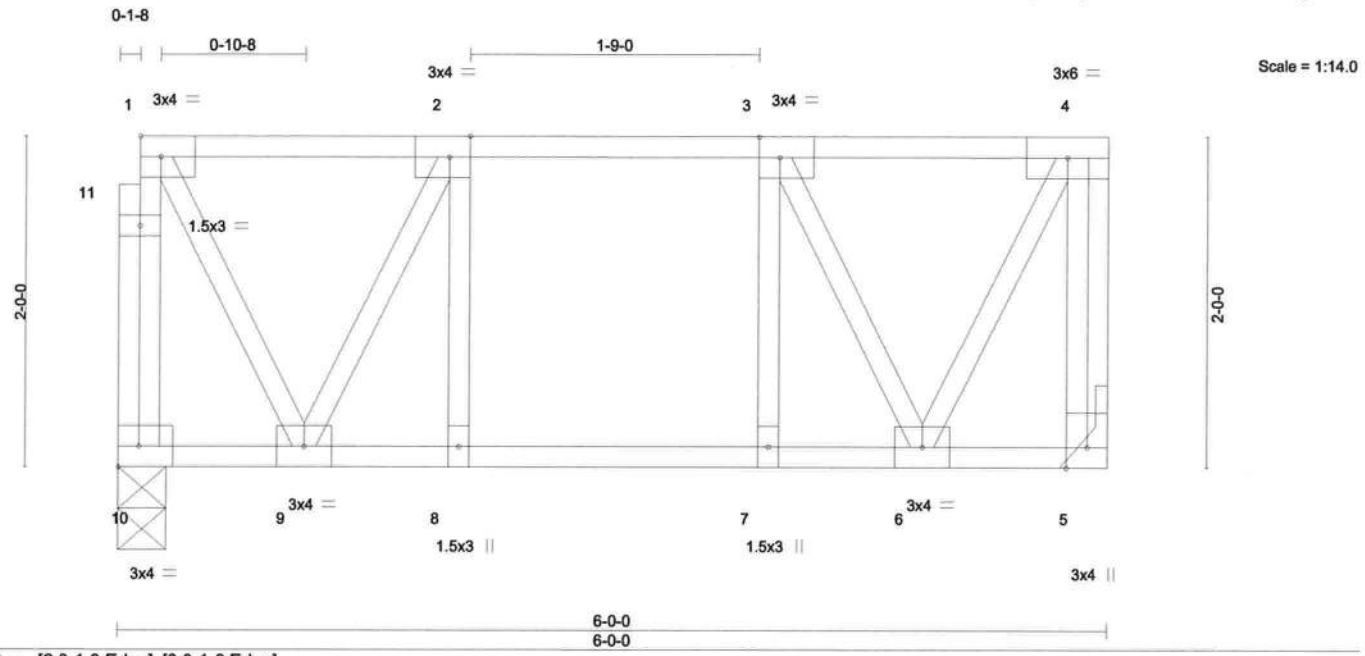

Plate Offsets (X,Y)– [2:0-1-8,Edge], [3:0-1-8,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.24	Vert(LL)	-0.01	7	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.00	BC	0.23	Vert(CT)	-0.01	7	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.15	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 45 lb	FT = 20%F, 11%E

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

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) 10=0-3-8, 5=Mechanical
Max Grav 10=367(LC 1), 5=374(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-10=-357/0, 4-5=-364/0, 2-3=-278/0
BOT CHORD 8-9=0/278, 7-8=0/278, 6-7=0/278
WEBS 4-6=0/315, 1-9=0/307, 3-6=-291/0, 2-9=-289/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) Refer to girder(s) for truss to truss connections.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
4) CAUTION, Do not erect truss backwards.

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January 19,20

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Job	Truss	Truss Type	Qty	Ply	EVANSTON CONT - AREA 36	T22511166
2564966	F12	Floor	8	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Jan 19 09:25:35 2021 Page 1
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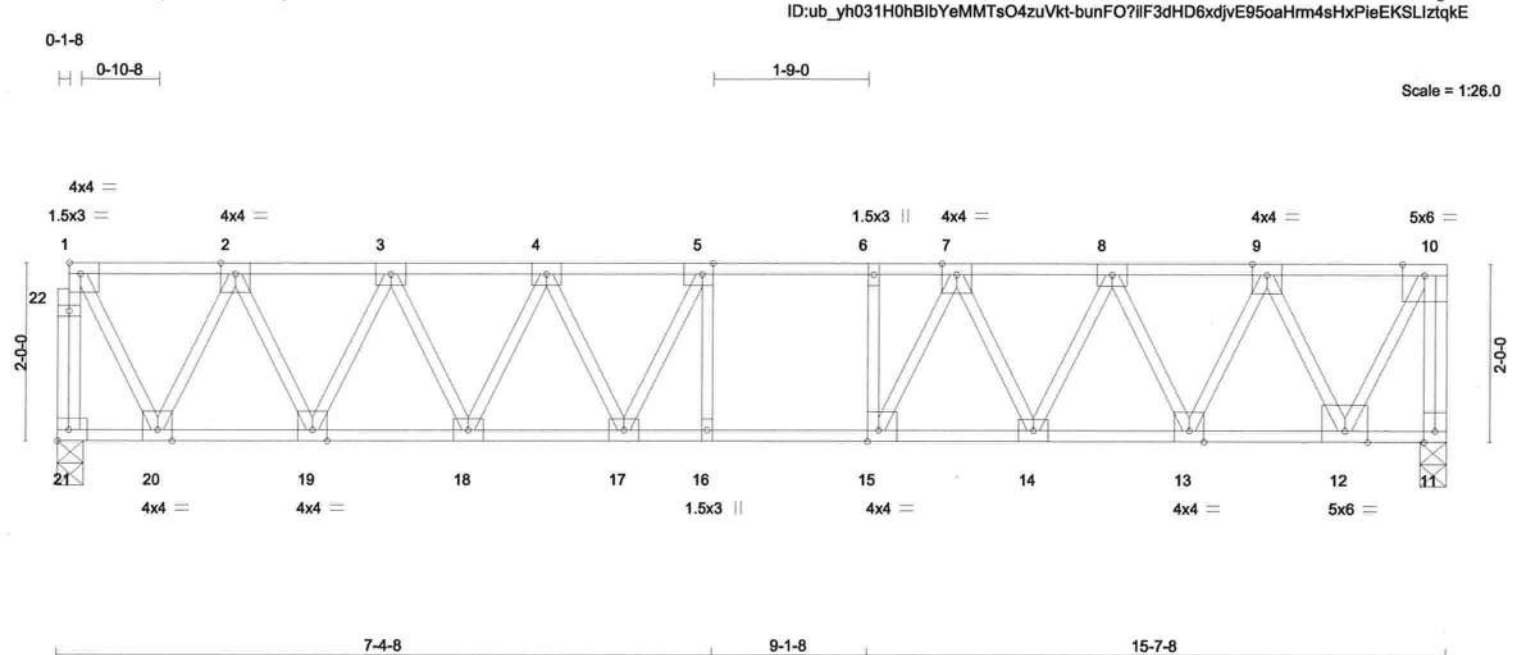

Plate Offsets (X,Y)– [1:Edge,0-1-8], [5:0-1-8,Edge], [15:0-1-8,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.60	Vert(LL)	-0.10	16-17	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.00	BC	0.95	Vert(CT)	-0.15	16-17	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.49	Horz(CT)	0.03	11	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 105 lb	FT = 20%F, 11%E

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

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, Except: 2-2-0 oc bracing: 15-16.

REACTIONS. (size) 21=0-3-8, 11=0-3-8
Max Grav 21=993(LC 1), 11=999(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-21=-985/0, 10-11=-990/0, 1-2=-485/0, 2-3=-1198/0, 3-4=-1689/0, 4-5=-1966/0, 5-6=-2025/0, 6-7=-2025/0, 7-8=-1681/0, 8-9=-1201/0, 9-10=-484/0
BOT CHORD 19-20=0/894, 18-19=0/1485, 17-18=0/1878, 16-17=0/2025, 15-16=0/2025, 14-15=0/1871, 13-14=0/1487, 12-13=0/894
WEBS 10-12=0/1028, 1-20=0/1011, 9-12=-972/0, 2-20=-967/0, 9-13=0/724, 2-19=0/720, 8-13=-676/0, 3-19=-678/0, 8-14=0/460, 3-18=0/482, 7-14=-449/0, 4-18=-448/0, 7-15=0/547, 4-17=0/321, 6-15=-317/0, 5-17=-358/92

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
4) CAUTION, Do not erect truss backwards.

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Job	Truss	Truss Type	Qty	Ply	EVANSTON CONT - AREA 36	T22511167
2564966	F14	Floor	10	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Jan 19 09:25:35 2021 Page 1
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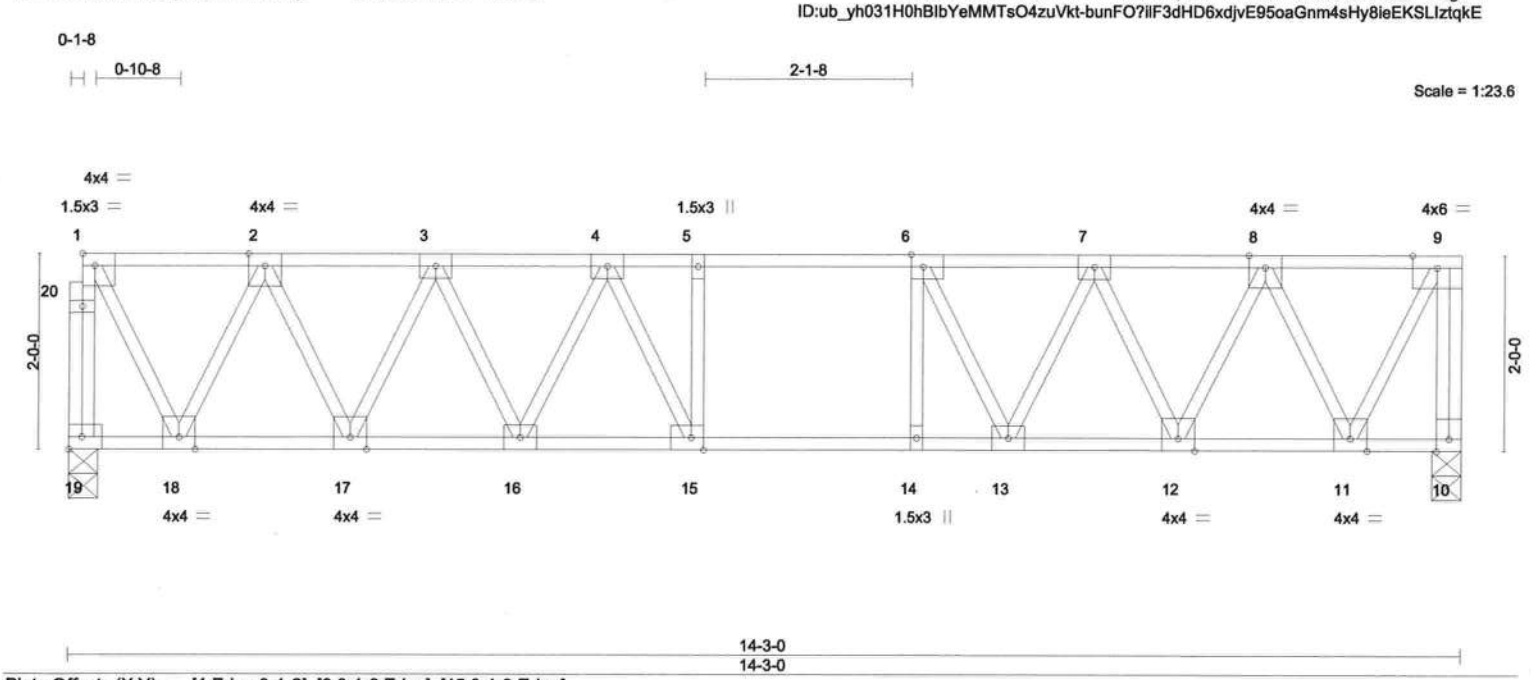

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [6:0-1-8,Edge], [15:0-1-8,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.67	Vert(LL)	-0.11	15-16	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.00	BC	0.95	Vert(CT)	-0.15	15-16	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.44	Horz(CT)	0.03	10	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 95 lb	FT = 20%F, 11%E

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

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, Except: 2-2-0 oc bracing: 14-15.

REACTIONS. (size) 19=0-3-8, 10=0-3-8
Max Grav 19=903(LC 1), 10=910(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-19=-896/0, 9-10=-901/0, 1-2=-437/0, 2-3=-1067/0, 3-4=-1476/0, 4-5=-1670/0, 5-6=-1670/0, 6-7=-1477/0, 7-8=-1067/0, 8-9=-437/0
BOT CHORD 17-18=0/804, 16-17=0/1316, 15-16=0/1610, 14-15=0/1670, 13-14=0/1670, 12-13=0/1307, 11-12=0/807
WEBS 9-11=0/928, 1-18=0/911, 8-11=-875/0, 2-18=-866/0, 8-12=0/615, 2-17=0/622, 7-12=-567/0, 3-17=-589/0, 7-13=0/450, 3-16=0/380, 6-13=-566/0, 4-16=-320/0, 4-15=-70/380

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
4) CAUTION, Do not erect truss backwards.

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Job	Truss	Truss Type	Qty	Ply	EVANSTON CONT - AREA 36	T22511168
2564966	F15	Floor	1	1	Job Reference (optional)	

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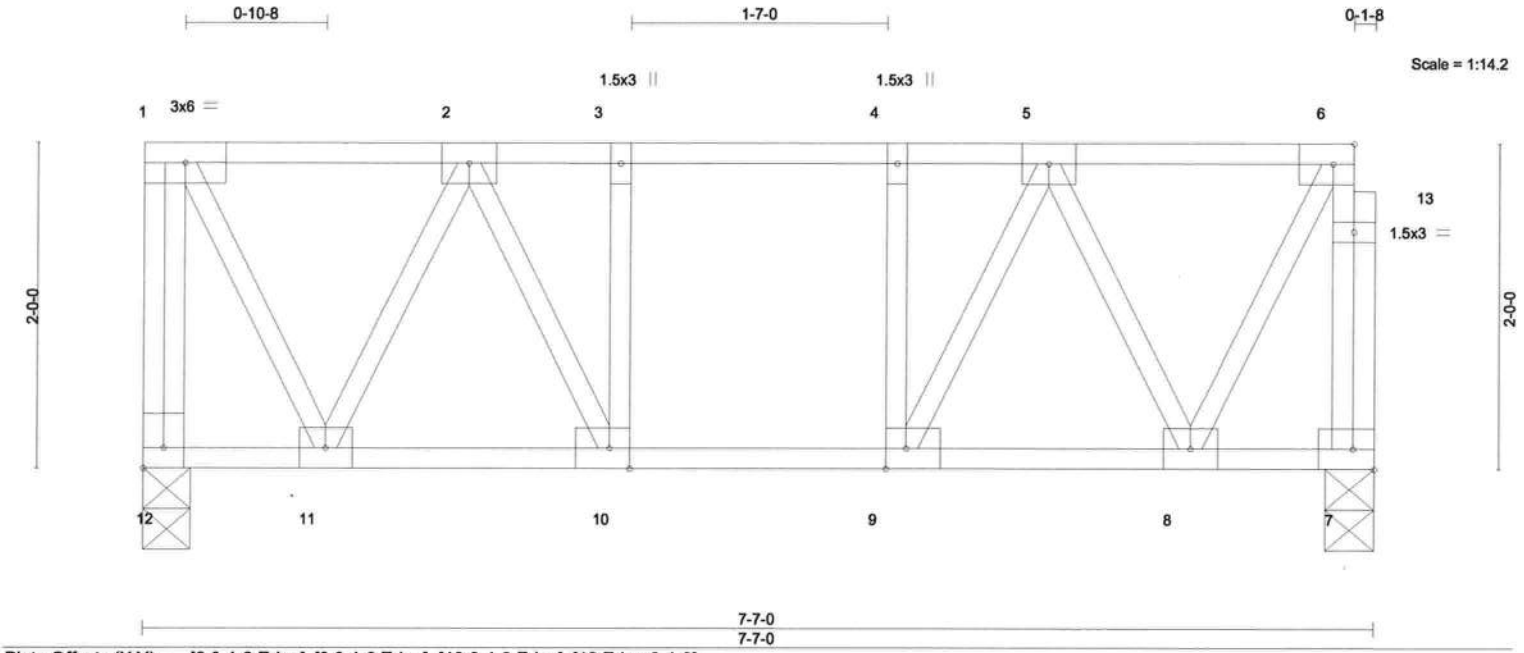

Plate Offsets (X,Y)— [6:0-1-8,Edge], [9:0-1-8,Edge], [10:0-1-8,Edge], [12:Edge,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.22	Vert(LL)	-0.02	9	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.00	BC	0.22	Vert(CT)	-0.02	8-9	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.21	Horz(CT)	0.00	7	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 55 lb	FT = 20%F, 11%E

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

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) 12=0-3-8, 7=0-3-8
Max Grav 12=477(LC 1), 7=470(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-12=-470/0, 6-7=-463/0, 2-3=-452/0, 3-4=-452/0, 4-5=-452/0
BOT CHORD 10-11=0/370, 9-10=0/452, 8-9=0/368
WEBS 6-8=0/425, 1-11=0/435, 5-8=-385/0, 2-11=-390/0, 5-9=0/265, 2-10=0/264

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
4) CAUTION, Do not erect truss backwards.

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Job	Truss	Truss Type	Qty	Ply	EVANSTON CONT - AREA 36	T22511169
2564966	F16	Floor	2	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Jan 19 09:25:36 2021 Page 1
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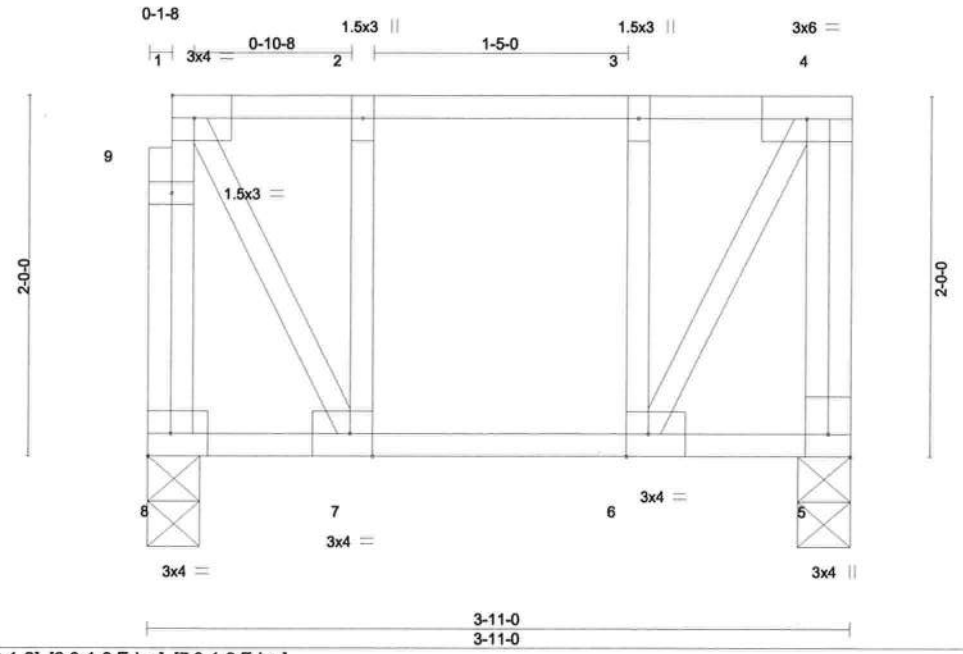

Plate Offsets (X,Y)– [5:Edge,0-1-8], [6:0-1-8,Edge], [7:0-1-8,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.11	Vert(LL)	-0.00	6	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.00	BC	0.07	Vert(CT)	-0.00	6	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.10	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 33 lb	FT = 20%F, 11%E

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-11-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 8=0-3-8, 5=0-3-8
Max Grav 8=232(LC 1), 5=238(LC 1)

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

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
3) CAUTION, Do not erect truss backwards.

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January 19,202

Job	Truss	Truss Type	Qty	Ply	EVANSTON CONT - AREA 36	T22511170
2564966	HJ06	Diagonal Hip Girder	2	1	Job Reference (optional)	

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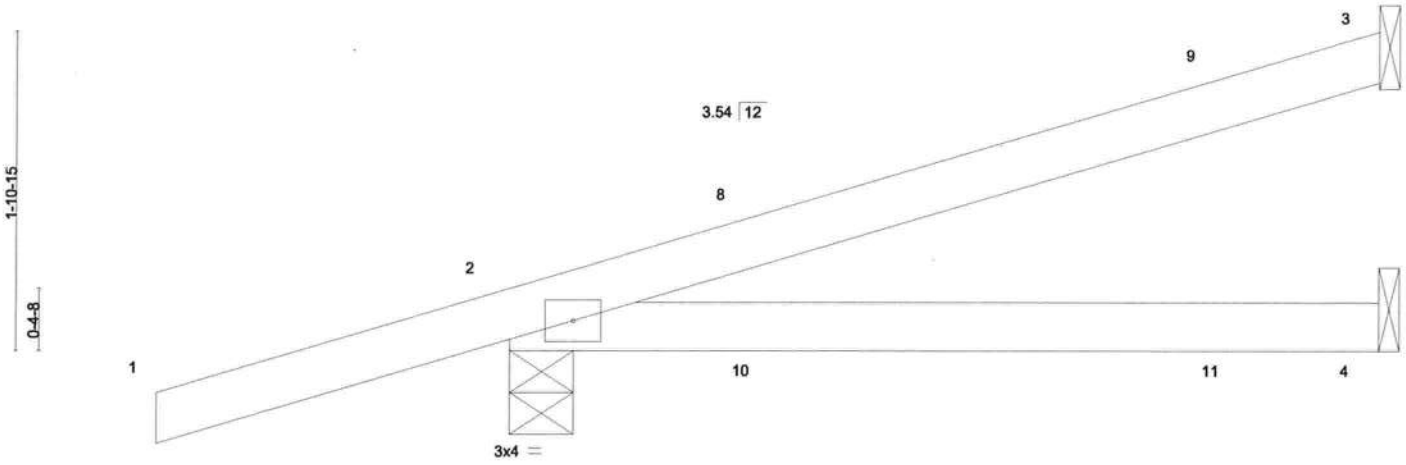
-2-1-7 / 2-1-7 — 5-2-11 / 5-2-11

Scale = 1:13.8



5-2-11 / 5-2-11

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	0.33	Vert(LL)	-0.04	4-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.20	Vert(CT)	-0.05	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP							Weight: 19 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-2-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 3=Mechanical, 2=0-4-9, 4=Mechanical
Max Horz 2=86(LC 4)
Max Uplift 3=-57(LC 9), 2=-115(LC 4)
Max Grav 3=112(LC 1), 2=279(LC 1), 4=82(LC 3)

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

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
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 57 lb uplift at joint 3 and 115 lb uplift at joint 2.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 55 lb down and 92 lb up at 1-6-1, 55 lb down and 92 lb up at 1-6-1, and 29 lb down and 38 lb up at 4-4-0, and 29 lb down and 38 lb up at 4-4-0 on top chord, and 14 lb down and 50 lb up at 1-6-1, 14 lb down and 50 lb up at 1-6-1, and 22 lb down at 4-4-0, and 22 lb down at 4-4-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-60, 4-5=-20
Concentrated Loads (lb)
Vert: 8=57(F=29, B=29) 9=-6(F=-3, B=-3) 10=62(F=31, B=31) 11=-14(F=-7, B=-7)

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Job	Truss	Truss Type	Qty	Ply	EVANSTON CONT - AREA 36	T22511171
2564966	HJ10	Diagonal Hip Girder	6	1	Job Reference (optional)	

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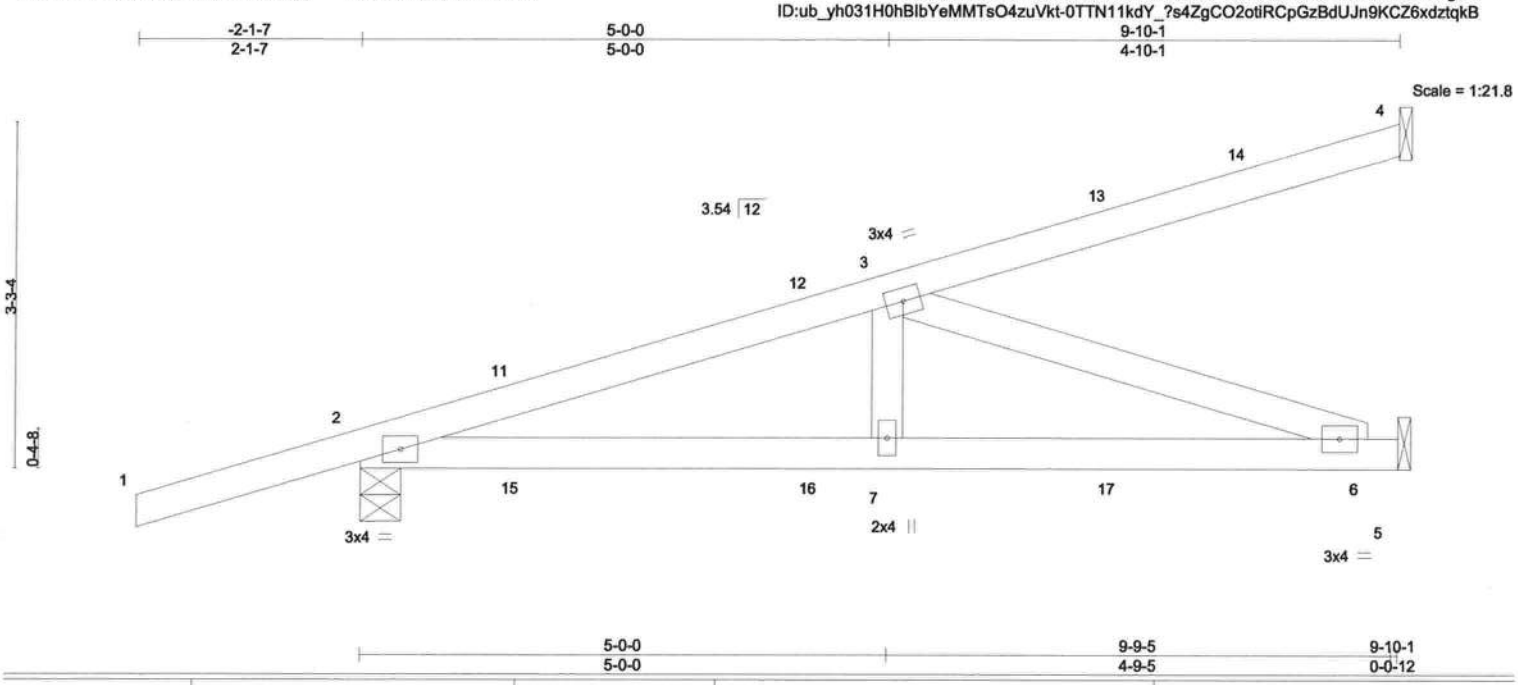

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.52	Vert(LL)	-0.04	6-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.56	Vert(CT)	-0.10	6-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.39	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 42 lb	FT = 20%

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

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

REACTIONS. (size) 4=Mechanical, 2=0-4-9, 5=Mechanical
Max Horz 2=132(LC 22)
Max Uplift 4=-70(LC 4), 2=-153(LC 4), 5=-57(LC 8)
Max Grav 4=151(LC 1), 2=473(LC 1), 5=315(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-818/180
BOT CHORD 2-7=-218/766, 6-7=-218/766
WEBS 3-7=0/253, 3-6=-809/231

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
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 70 lb uplift at joint 4, 153 lb uplift at joint 2 and 57 lb uplift at joint 5.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 55 lb down and 92 lb up at 1-6-1, 55 lb down and 92 lb up at 1-6-1, 28 lb down and 37 lb up at 4-4-0, 28 lb down and 37 lb up at 4-4-0, and 55 lb down and 77 lb up at 7-1-15, and 55 lb down and 77 lb up at 7-1-15 on top chord, and 14 lb down and 50 lb up at 1-6-1, 14 lb down and 50 lb up at 1-6-1, 21 lb down at 4-4-0, 21 lb down at 4-4-0, and 39 lb down at 7-1-15, and 39 lb down at 7-1-15 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=-60, 5-8=-20
Concentrated Loads (lb)
Vert: 11=57(F=29, B=29) 13=-79(F=-39, B=-39) 15=62(F=31, B=31) 16=-7(F=-4, B=-4) 17=-63(F=-31, B=-31)

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Job	Truss	Truss Type	Qty	Ply	EVANSTON CONT - AREA 36	T22511172
2564966	KW1	GABLE	1	1	Job Reference (optional)	

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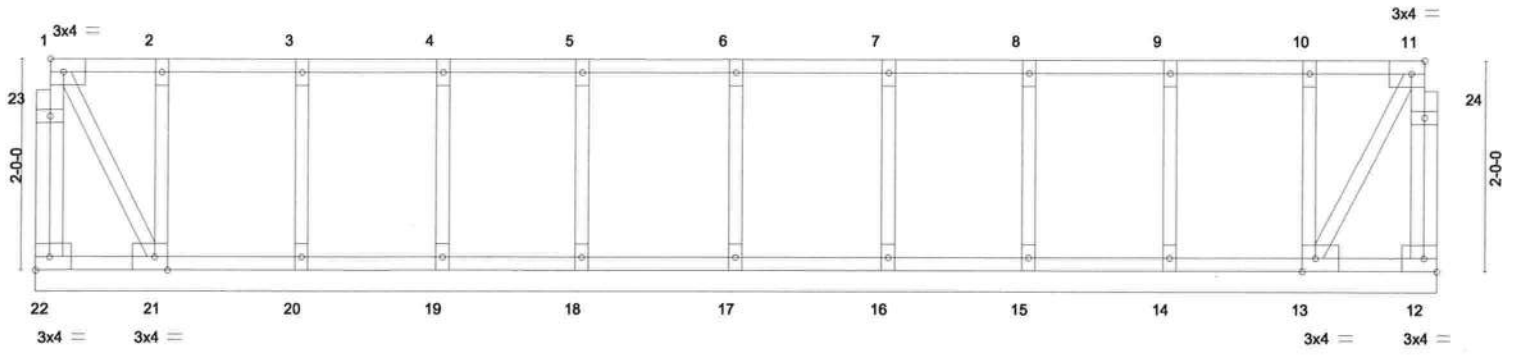

1-2-4	2-6-4	3-10-4	5-2-4	6-7-11	8-1-2	9-5-2	10-9-2	12-1-2	13-3-6
1-2-4	1-4-0	1-4-0	1-4-0	1-5-7	1-5-7	1-4-0	1-4-0	1-4-0	1-2-4

Plate Offsets (X,Y)– [11:0-1-8,Edge], [13:0-1-8,Edge], [21:0-1-8,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.10	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	15.0	Lumber DOL	1.00	BC	0.02	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.04	Horz(CT)	-0.00	13	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 78 lb	FT = 20%F, 11%E

LUMBER-

TOP CHORD	2x4 SP No.2(flat)
BOT CHORD	2x4 SP No.2(flat)
WEBS	2x4 SP No.3(flat)
OTHERS	2x4 SP No.3(flat)

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 10-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing, Except: 10-0-0 oc bracing: 21-22,12-13.

REACTIONS. All bearings 13-3-6.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 22, 12, 21, 13, 17, 14, 15, 16, 20, 19, 18

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

NOTES-
1) All plates are 1.5x3 MT20 unless otherwise indicated.
2) Gable requires continuous bottom chord bearing.
3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
4) Gable studs spaced at 1-4-0 oc.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

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

January 19,20

Job	Truss	Truss Type	Qty	Ply	EVANSTON CONT - AREA 36	T22511173
2564966	KW2	GABLE	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Jan 19 09:25:45 2021 Page 1
ID:ub_yh031H0hBlbYeMMTsO4zuVkt-lqO0VQq0u8usQeiYI0QWVv_6NoildZ_Axol_hjztqk4

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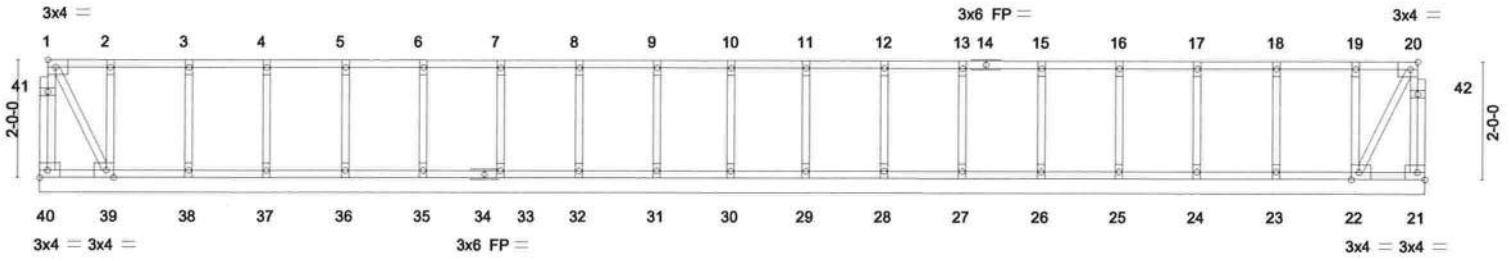
Scale = 1:39.3



1-2-4	2-6-4	3-10-4	5-2-4	6-6-4	7-10-4	9-2-4	10-6-4	11-9-8	13-0-12	14-4-12	15-8-12	17-0-12	18-4-12	19-8-12	21-0-12	22-4-12	23-7-0
1-2-4	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-3-4	1-3-4	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-2-4

Plate Offsets (X,Y)– [20:0-1-8,Edge], [22:0-1-8,Edge], [39:0-1-8,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	15.0	Lumber DOL	1.00	BC	0.02	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.04	Horz(CT)	-0.00	22	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 130 lb	FT = 20%F, 11%E

LUMBER-

TOP CHORD	2x4 SP No.2(flat)
BOT CHORD	2x4 SP No.2(flat)
WEBS	2x4 SP No.3(flat)
OTHERS	2x4 SP No.3(flat)

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 10-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing, Except: 10-0-0 oc bracing: 39-40,21-22.

REACTIONS. All bearings 23-7-0.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 40, 21, 39, 22, 30, 23, 24, 25, 26, 27, 28, 29, 38, 37, 36, 35, 33, 32, 31

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

NOTES-
1) All plates are 1.5x3 MT20 unless otherwise indicated.
2) Gable requires continuous bottom chord bearing.
3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
4) Gable studs spaced at 1-4-0 oc.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

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January 19,20

Job	Truss	Truss Type	Qty	Ply	EVANSTON CONT - AREA 36	T22511174
2564966	KW3	Floor	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Jan 19 09:25:47 2021 Page 1
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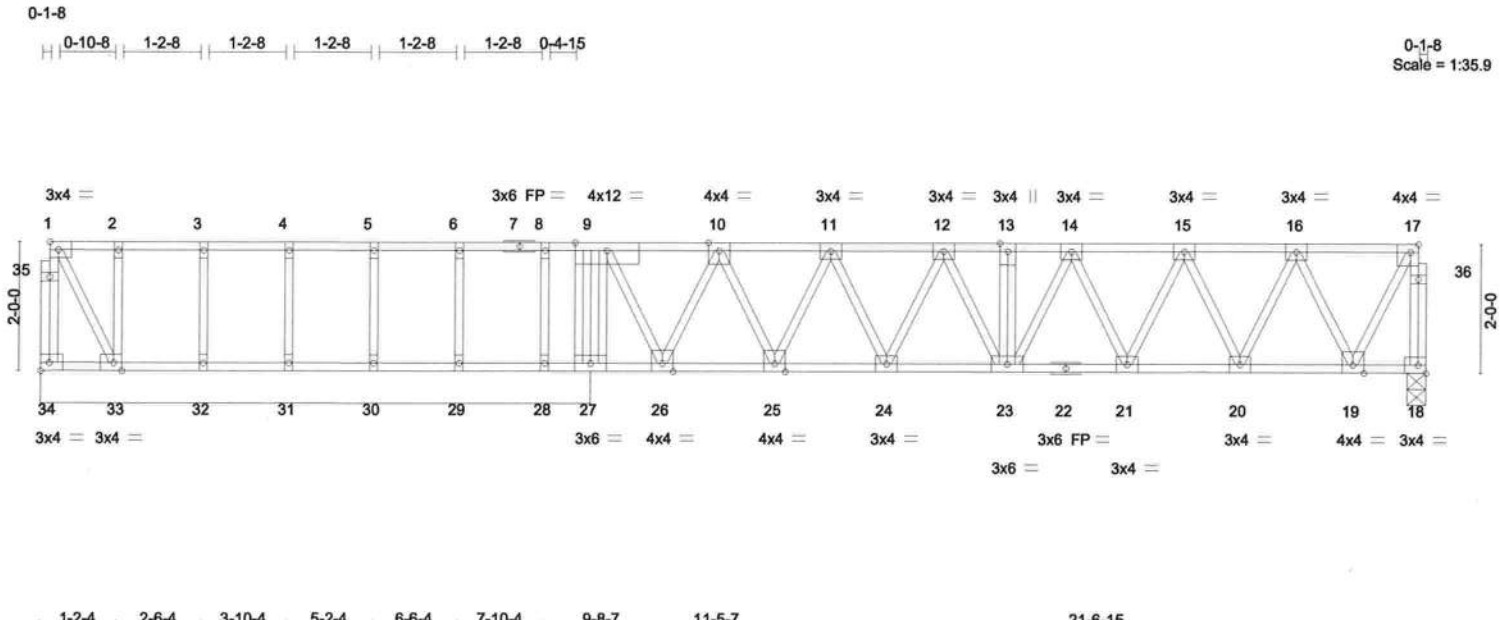

Plate Offsets (X,Y)– [17:0-1-8,Edge], [33:0-1-8,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.25	Vert(LL)	-0.03	23	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.00	BC	0.15	Vert(CT)	-0.04	23	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.41	Horz(CT)	0.01	18	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 149 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP M 31(flat)
BOT CHORD 2x4 SP M 31(flat)
WEBS 2x4 SP No.3(flat)

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 8-6-15 except (jt=length) 18=0-3-8.
(lb) - Max Uplift All uplift 100 lb or less at joint(s) 28 except 34=-483(LC 4)
Max Grav All reactions 250 lb or less at joint(s) 32, 31, 30, 29, 28 except 18=784(LC 4), 27=1001(LC 1), 33=673(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-34=0/491, 17-18=-776/0, 1-2=0/286, 2-3=0/286, 3-4=0/286, 4-5=0/286, 5-6=0/286, 6-8=0/286, 8-9=0/286, 10-11=-747/0, 11-12=-1112/0, 12-13=-1282/0, 13-14=-1282/0, 14-15=-1188/0, 15-16=-893/0, 16-17=-374/0
BOT CHORD 32-33=-286/0, 31-32=-286/0, 30-31=-286/0, 29-30=-286/0, 28-29=-286/0, 27-28=-286/0, 26-27=-269/0, 25-26=0/501, 24-25=0/975, 23-24=0/1233, 21-23=0/1274, 20-21=0/1085, 19-20=0/685
WEBS 17-19=0/777, 16-19=-737/0, 16-20=0/493, 15-20=-452/0, 12-24=-286/0, 11-24=0/325, 11-25=-540/0, 9-27=-932/0, 1-33=-575/0, 10-25=0/583, 10-26=-805/0, 9-26=0/851

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 1.5x3 MT20 unless otherwise indicated.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 28 except (jt=lb) 34=483.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	EVANSTON CONT - AREA 36	T22511175
2564966	KW4	GABLE	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Jan 19 09:25:48 2021 Page 1
ID:ub_yh031H0hBlbYeMMTsO4zuVkt-jO497RsvB3GRH6R7_8zD6Ycd5?kLqwcdem_el2ztqk1

0-1-8

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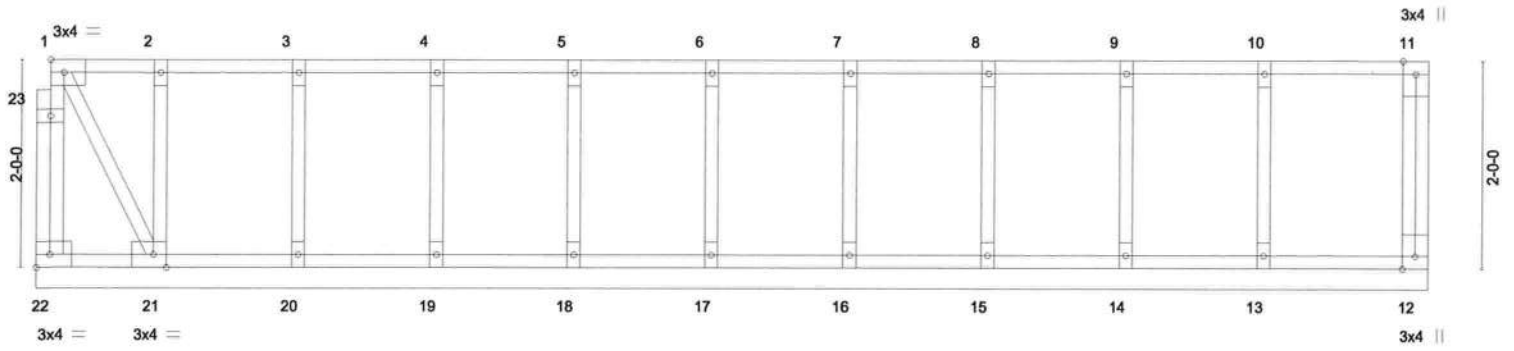

1-2-4	2-6-4	3-10-4	5-2-4	6-6-4	7-10-4	9-2-4	10-6-4	11-10-4	13-5-6
1-2-4	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-7-2

Plate Offsets (X,Y)– [21:0-1-8,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.12	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	15.0	Lumber DOL	1.00	BC	0.02	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	12	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 76 lb	FT = 20%F, 11%E

LUMBER-

TOP CHORD	2x4 SP No.2(flat)
BOT CHORD	2x4 SP No.2(flat)
WEBS	2x4 SP No.3(flat)
OTHERS	2x4 SP No.3(flat)

BRACING-

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

REACTIONS. All bearings 13-5-6.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 22, 12, 21, 20, 19, 18, 17, 16, 15, 14, 13

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

NOTES-

1) All plates are 1.5x3 MT20 unless otherwise indicated.
2) Gable requires continuous bottom chord bearing.
3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
4) Gable studs spaced at 1-4-0 oc.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
6) CAUTION, Do not erect truss backwards.

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January 19,202

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	EVANSTON CONT - AREA 36	T22511176
2564966	KW5	GABLE	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Jan 19 09:25:49 2021 Page 1
ID:ub_yh031H0hBIbYeMMTsO4zuVkt-BbeXKntXyMOIvF0KXsVSfl9oJP4gZNymsQjBqUztqk0

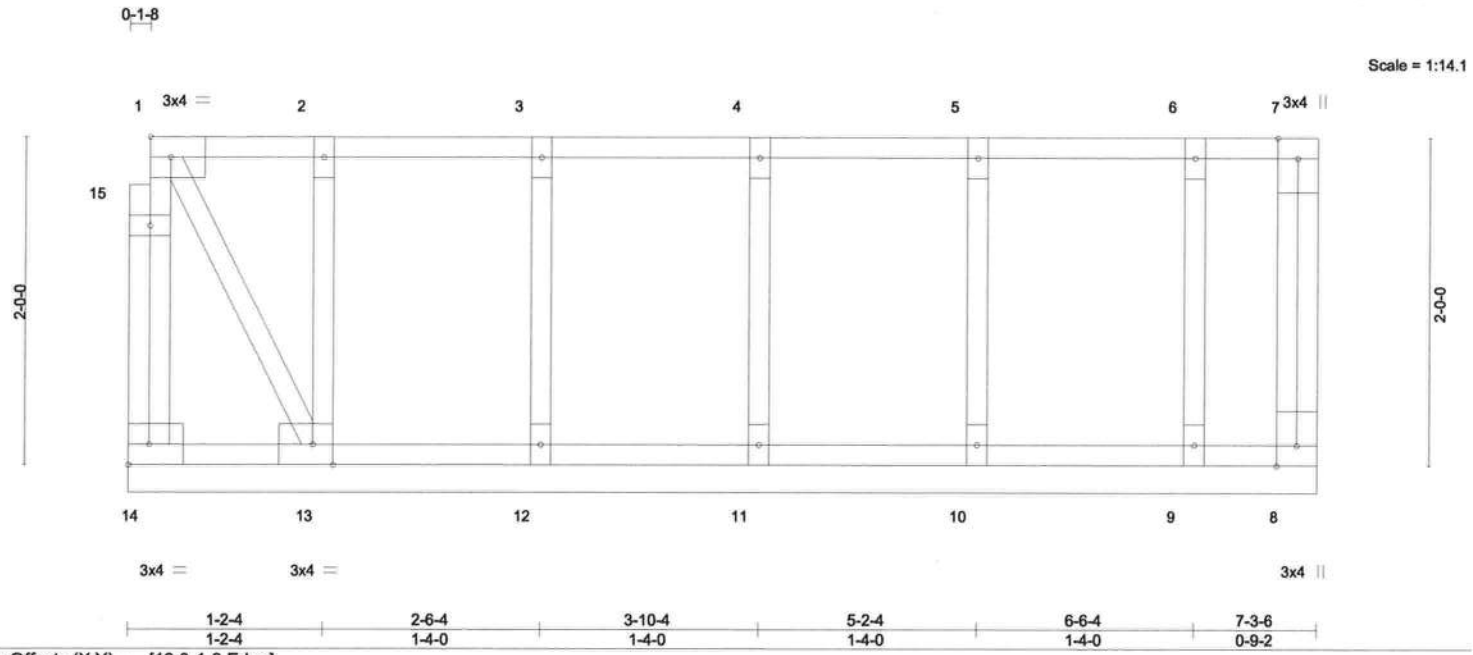

Plate Offsets (X,Y)– [13:0-1-8,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.09	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	15.0	Lumber DOL	1.00	BC	0.02	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	8	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 48 lb	FT = 20%F, 11%E

LUMBER-

TOP CHORD	2x4 SP No.2(flat)
BOT CHORD	2x4 SP No.2(flat)
WEBS	2x4 SP No.3(flat)
OTHERS	2x4 SP No.3(flat)

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 7-3-6 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 7-3-6.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 14, 8, 13, 12, 11, 10, 9

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

NOTES-

1) All plates are 1.5x3 MT20 unless otherwise indicated.
2) Gable requires continuous bottom chord bearing.
3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
4) Gable studs spaced at 1-4-0 oc.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
6) CAUTION, Do not erect truss backwards.

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Date:

January 19,20

Job	Truss	Truss Type	Qty	Ply	EVANSTON CONT - AREA 36	T22511177
2564966	KW6	GABLE	1	1	Job Reference (optional)	

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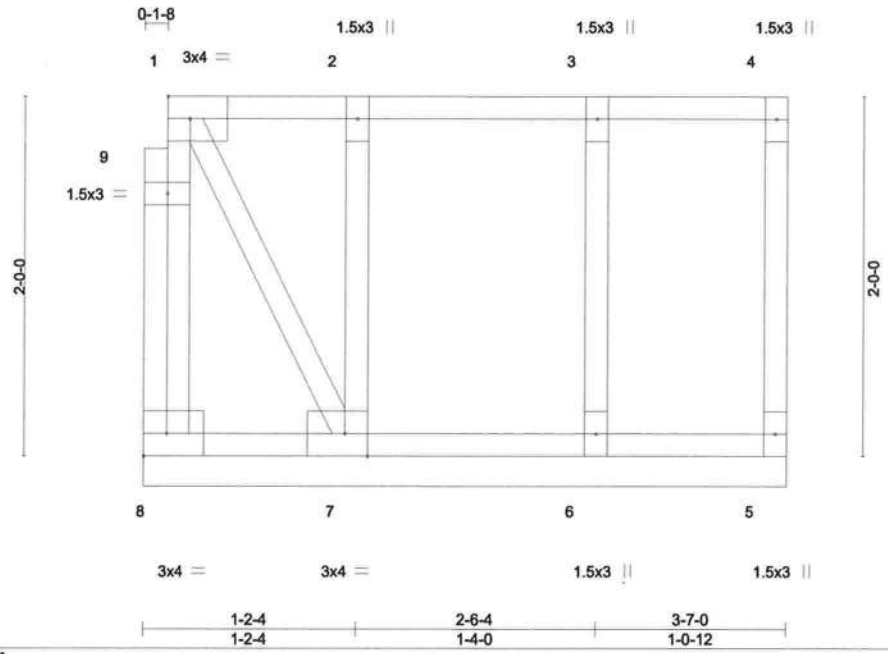

Plate Offsets (X,Y)– [7:0-1-8,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	15.0	Lumber DOL	1.00	BC	0.02	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-P							Weight: 26 lb	FT = 20%F, 11%E

LUMBER-

TOP CHORD	2x4 SP No.2(flat)
BOT CHORD	2x4 SP No.2(flat)
WEBS	2x4 SP No.3(flat)
OTHERS	2x4 SP No.3(flat)

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 3-7-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 3-7-0.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 8, 5, 7, 6

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

NOTES-
1) Gable requires continuous bottom chord bearing.
2) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
3) Gable studs spaced at 1-4-0 oc.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
5) CAUTION, Do not erect truss backwards.

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Date:

January 19,20

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	EVANSTON CONT - AREA 36	T22511178
2564966	KW12	GABLE	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Jan 19 09:25:40 2021 Page 1
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0-1-8

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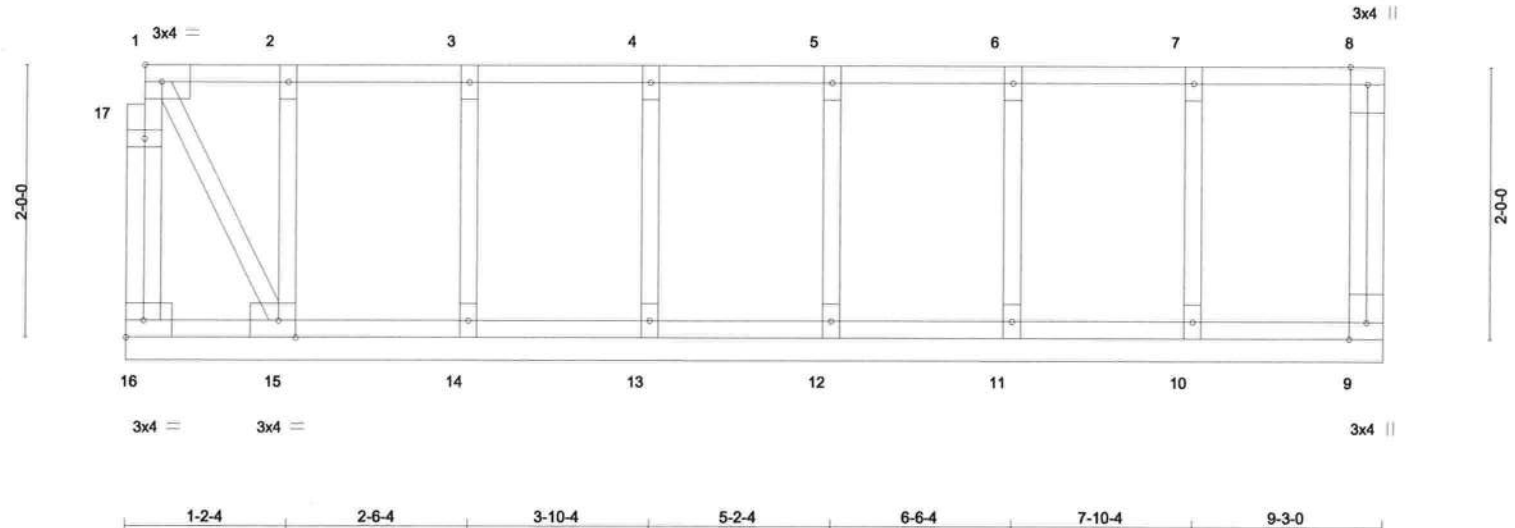

1-2-4	2-6-4	3-10-4	5-2-4	6-6-4	7-10-4	9-3-0
1-2-4	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-12

Plate Offsets (X,Y)– [15:0-1-8,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.10	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	15.0	Lumber DOL	1.00	BC	0.02	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	9	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 56 lb	FT = 20%F, 11%E

LUMBER-

TOP CHORD	2x4 SP No.2(flat)
BOT CHORD	2x4 SP No.2(flat)
WEBS	2x4 SP No.3(flat)
OTHERS	2x4 SP No.3(flat)

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 9-3-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 9-3-0.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 16, 9, 15, 14, 13, 12, 11, 10

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

NOTES-

1) All plates are 1.5x3 MT20 unless otherwise indicated.
2) Gable requires continuous bottom chord bearing.
3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
4) Gable studs spaced at 1-4-0 oc.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
6) CAUTION, Do not erect truss backwards.

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January 19,20

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	EVANSTON CONT - AREA 36	T22511179
2564966	KW13	GABLE	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Jan 19 09:25:41 2021 Page 1
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0-1-8

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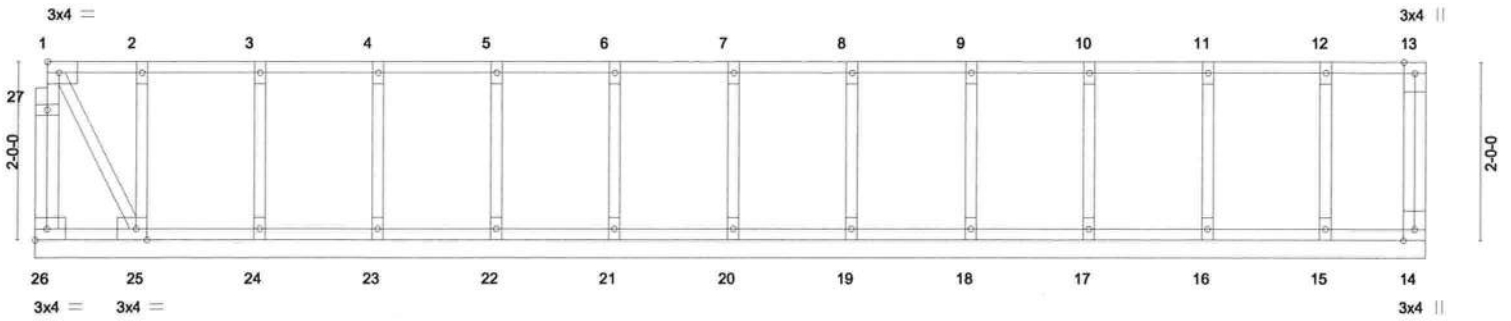

1-2-4	2-6-4	3-10-4	5-2-4	6-6-4	7-10-4	9-2-4	10-6-4	11-10-4	13-2-4	14-6-4	15-7-7
1-2-4	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-1-3

Plate Offsets (X,Y)– [25:0-1-8,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	15.0	Lumber DOL	1.00	BC	0.02	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	14	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 88 lb	FT = 20%F, 11%E

LUMBER-

TOP CHORD	2x4 SP No.2(flat)
BOT CHORD	2x4 SP No.2(flat)
WEBS	2x4 SP No.3(flat)
OTHERS	2x4 SP No.3(flat)

BRACING-

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

REACTIONS. All bearings 15-7-7.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 26, 14, 25, 24, 23, 22, 21, 20, 19, 18, 17, 16, 15

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

NOTES-
1) All plates are 1.5x3 MT20 unless otherwise indicated.
2) Gable requires continuous bottom chord bearing.
3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
4) Gable studs spaced at 1-4-0 oc.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
6) CAUTION, Do not erect truss backwards.

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Date:

January 19,20

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	EVANSTON CONT - AREA 36	T22511180
2564966	KW14	GABLE	1	1	Job Reference (optional)	

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ID:ub_yh031H0hBlbYeMMTsO4zuVkt-uFjusOn8bDWHZB_zdttptHMb5ah1QCDkFqXK4Oztqk7

0-1-8

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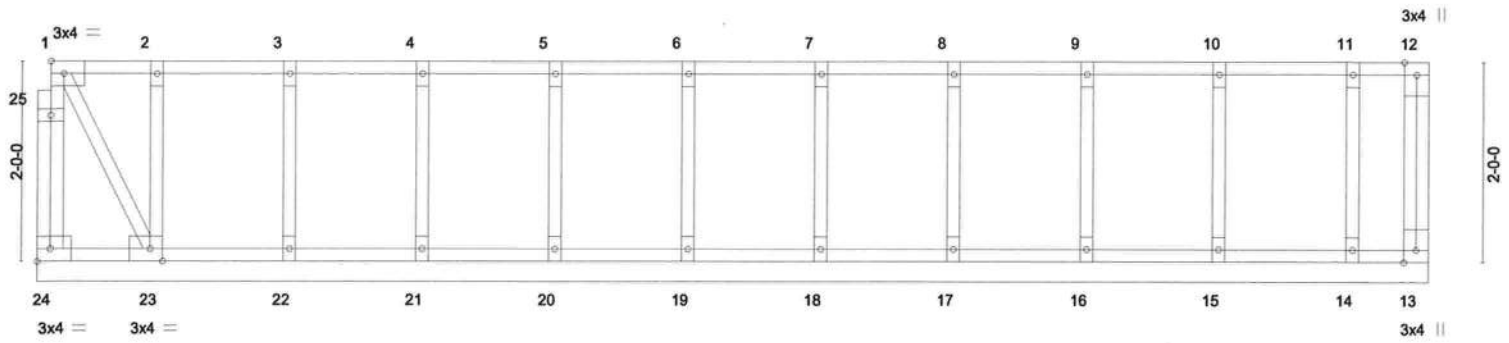

1-2-4	2-6-4	3-10-4	5-2-4	6-6-4	7-10-4	9-2-4	10-6-4	11-10-4	13-2-4	13-11-7
1-2-4	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	0-9-3

Plate Offsets (X,Y)– [23:0-1-8,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.09	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	15.0	Lumber DOL	1.00	BC	0.02	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	13	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 80 lb	FT = 20%F, 11%E

LUMBER-

TOP CHORD	2x4 SP No.2(flat)
BOT CHORD	2x4 SP No.2(flat)
WEBS	2x4 SP No.3(flat)
OTHERS	2x4 SP No.3(flat)

BRACING-

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

REACTIONS. All bearings 13-11-7.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 24, 13, 23, 22, 21, 20, 19, 18, 17, 16, 15, 14

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

NOTES-
1) All plates are 1.5x3 MT20 unless otherwise indicated.
2) Gable requires continuous bottom chord bearing.
3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
4) Gable studs spaced at 1-4-0 oc.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
6) CAUTION, Do not erect truss backwards.

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Job	Truss	Truss Type	Qty	Ply	EVANSTON CONT - AREA 36	T22511181
2564966	KW15	GABLE	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Jan 19 09:25:43 2021 Page 1
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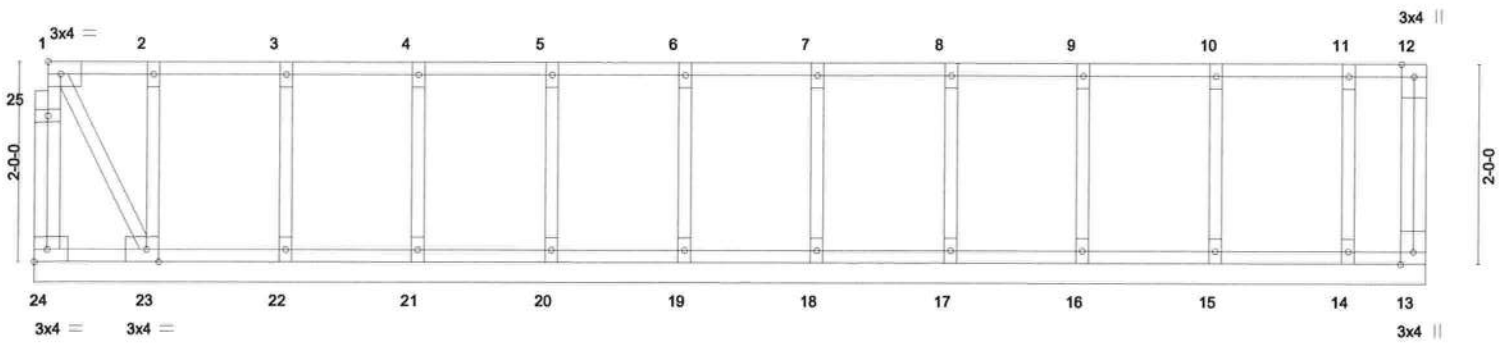
0-1-8

Scale = 1:23.1



1-2-4	2-6-4	3-10-4	5-2-4	6-6-4	7-10-4	9-2-4	10-6-4	11-10-4	13-2-4	13-11-7
1-2-4	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	0-9-3

Plate Offsets (X,Y)– [23:0-1-8,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.09	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	15.0	Lumber DOL	1.00	BC	0.02	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	13	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 80 lb	FT = 20%F, 11%E

LUMBER-

TOP CHORD	2x4 SP No.2(flat)
BOT CHORD	2x4 SP No.2(flat)
WEBS	2x4 SP No.3(flat)
OTHERS	2x4 SP No.3(flat)

BRACING-

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

REACTIONS. All bearings 13-11-7.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 24, 13, 23, 22, 21, 20, 19, 18, 17, 16, 15, 14

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

NOTES-
1) All plates are 1.5x3 MT20 unless otherwise indicated.
2) Gable requires continuous bottom chord bearing.
3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
4) Gable studs spaced at 1-4-0 oc.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
6) CAUTION, Do not erect truss backwards.

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Job	Truss	Truss Type	Qty	Ply	EVANSTON CONT - AREA 36	T22511182
2564966	T01	Hip Girder	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Jan 19 09:25:51 2021 Page 1
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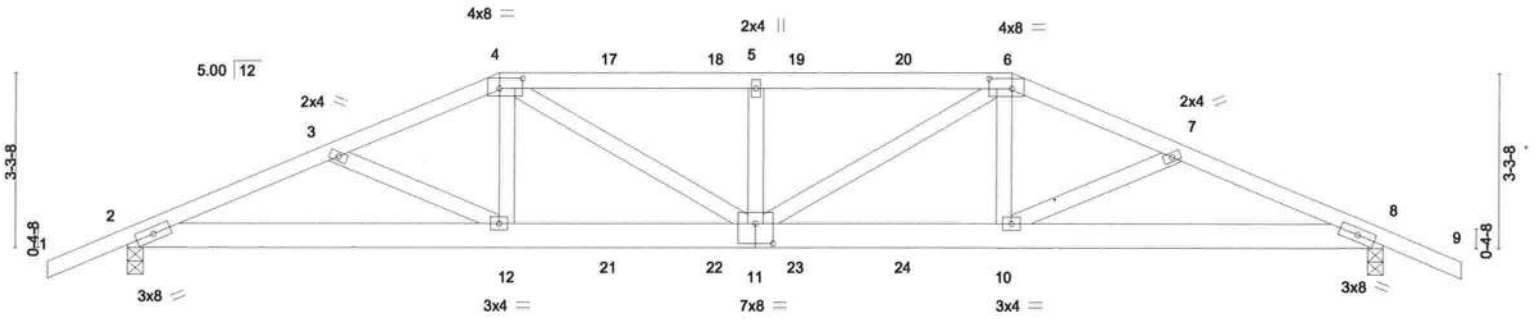
-1-6-0	3-11-12	7-0-0	11-10-0	16-8-0	19-8-4	23-8-0	25-2-0
1-6-0	3-11-12	3-0-4	4-10-0	4-10-0	3-0-4	3-11-12	1-6-0

Scale = 1:43.4



7-0-0	11-10-0	16-8-0	23-8-0
7-0-0	4-10-0	4-10-0	7-0-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.40	Vert(LL)	-0.19	11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.86	Vert(CT)	-0.37	11	>763	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.38	Horz(CT)	0.10	8	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 134 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2 *Except* 4-6: 2x4 SP M 31
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-7-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-7-11 oc bracing.

REACTIONS. (size) 2=0-3-8, 8=0-3-8
Max Horz 2=-56(LC 32)
Max Uplift 2=-473(LC 8), 8=-478(LC 9)
Max Grav 2=1906(LC 1), 8=1933(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-4221/1024, 3-4=-4025/958, 4-5=-4522/1100, 5-6=-4522/1100, 6-7=-4094/971, 7-8=-4289/1038
BOT CHORD 2-12=-939/3861, 11-12=-838/3726, 10-11=-825/3789, 8-10=-896/3924
WEBS 4-12=-59/693, 4-11=-282/1001, 5-11=-676/323, 6-11=-237/911, 6-10=-59/693

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 473 lb uplift at joint 2 and 478 lb uplift at joint 8.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 139 lb down and 95 lb up at 7-0-0, 121 lb down and 95 lb up at 9-0-12, 121 lb down and 93 lb up at 11-0-12, 121 lb down and 93 lb up at 12-7-4, and 121 lb down and 95 lb up at 14-7-4, and 234 lb down and 173 lb up at 16-8-0 on top chord, and 354 lb down and 84 lb up at 7-0-0, 88 lb down at 9-0-12, 88 lb down at 11-0-12, 88 lb down at 12-7-4, and 88 lb down at 14-7-4, and 354 lb down and 84 lb up at 16-7-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-60, 4-6=-60, 6-9=-60, 2-8=-20

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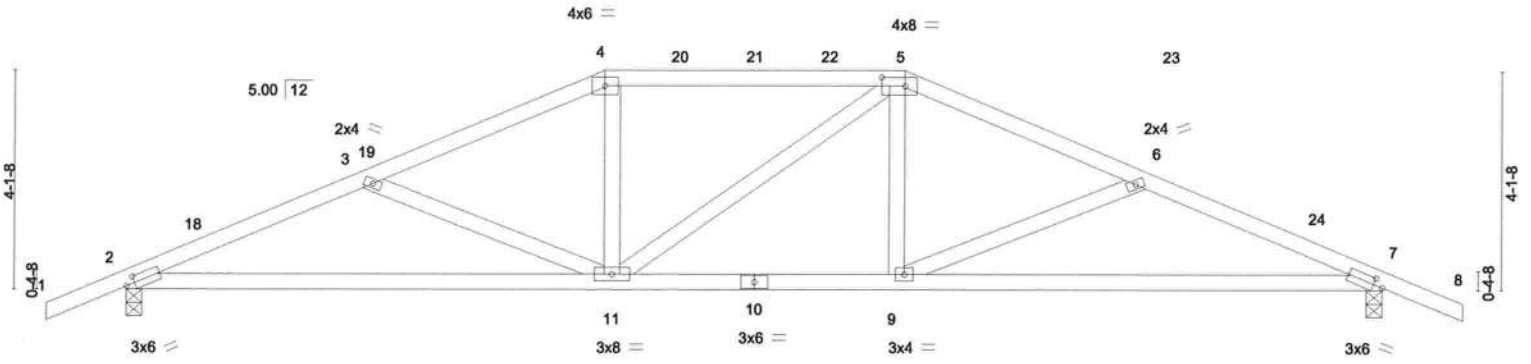
LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 4=-121(B) 6=-187(B) 12=-354(B) 10=-354(B) 17=-121(B) 18=-121(B) 19=-121(B) 20=-121(B) 21=-67(B) 22=-67(B) 23=-67(B) 24=-67(B)

Job	Truss	Truss Type	Qty	Ply	EVANSTON CONT - AREA 36	T22511183
2564966	T02	Hip	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Jan 19 09:25:52 2021 Page 1
ID:ub_yh031H0hBlbYeMMTsO4zuVkt-bAJgzpvPFHmtmjluD_29HOnDKcwgmiOCYOysQpztqjz

-1-6-0	4-7-11	9-0-0	14-8-0	19-0-6	23-8-0	25-2-0
1-6-0	4-7-11	4-4-6	5-8-0	4-4-5	4-7-10	1-6-0

Scale = 1:43.4



9-0-0	14-8-0	23-8-0
9-0-0	5-8-0	9-0-0

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

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	0.49	Vert(LL)	-0.16	9-17	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.77	Vert(CT)	-0.34	9-17	>839	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.18	Horz(CT)	0.06	7	n/a	n/a		
BCDL	10.0	Code FBC2020/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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-1-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-1-10 oc bracing.

REACTIONS. (size) 2=0-3-8, 7=0-3-8
Max Horz 2=-70(LC 17)
Max Uplift 2=-247(LC 12), 7=-247(LC 13)
Max Grav 2=1037(LC 1), 7=1037(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1911/455, 3-4=-1568/363, 4-5=-1407/363, 5-6=-1567/363, 6-7=-1911/455
BOT CHORD 2-11=-414/1740, 9-11=-229/1407, 7-9=-367/1740
WEBS 3-11=-375/189, 4-11=-28/357, 5-9=-30/357, 6-9=-375/189

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 9-0-0, Exterior(2R) 9-0-0 to 13-2-15, Interior(1) 13-2-15 to 14-8-0, Exterior(2R) 14-8-0 to 18-10-15, Interior(1) 18-10-15 to 25-2-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 247 lb uplift at joint 2 and 247 lb uplift at joint 7.

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Job	Truss	Truss Type	Qty	Ply	EVANSTON CONT - AREA 36	T22511184
2564966	T03	Hip	1	1	Job Reference (optional)	

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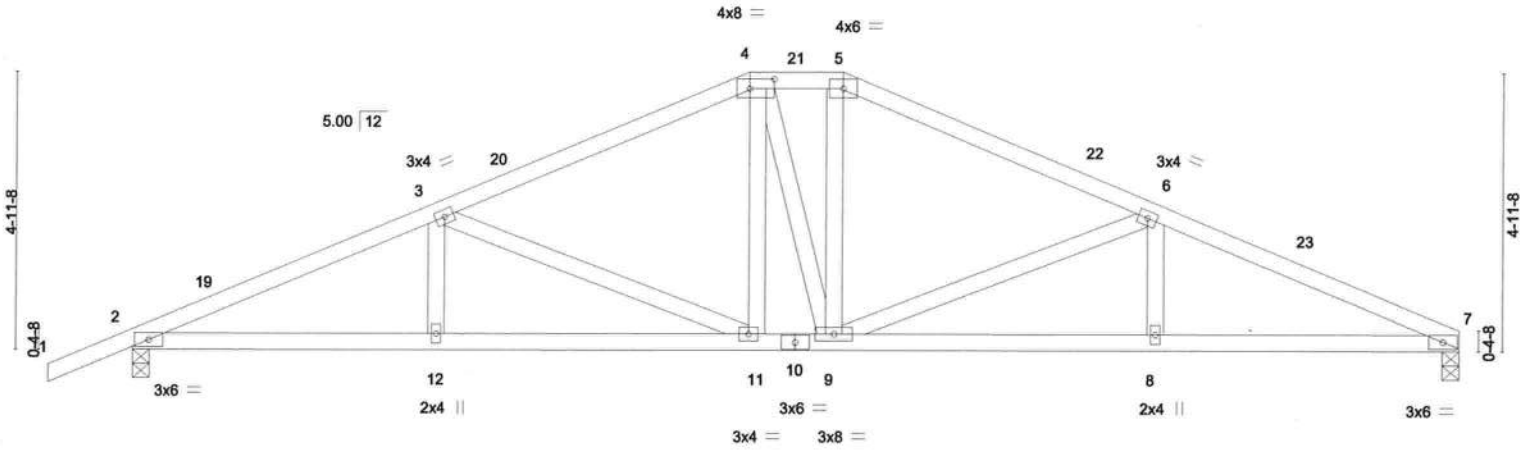
-1-6-0	5-4-14	11-0-0	12-8-0	18-3-3	23-8-0
1-6-0	5-4-14	5-7-3	1-8-0	5-7-3	5-4-13

Scale = 1:41.1



5-4-14	11-0-0	12-8-0	18-3-3	23-8-0
5-4-14	5-7-3	1-8-0	5-7-3	5-4-13

Plate Offsets (X,Y)— [4:0-5-4,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.36	Vert(LL)	-0.08	11-12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.49	Vert(CT)	-0.18	11-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.46	Horz(CT)	0.06	7	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 119 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 3-11-14 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-3-11 oc bracing.

REACTIONS. (size) 7=0-3-8, 2=0-3-8
Max Horz 2=92(LC 12)
Max Uplift 7=-209(LC 13), 2=-245(LC 12)
Max Grav 7=944(LC 1), 2=1040(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1950/415, 3-4=-1374/328, 4-5=-1213/329, 5-6=-1376/330, 6-7=-1971/423
BOT CHORD 2-12=-403/1755, 11-12=-403/1755, 9-11=-197/1211, 8-9=-344/1777, 7-8=-344/1777
WEBS 3-11=-605/225, 4-11=-62/305, 5-9=-72/311, 6-9=-627/236

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 11-0-0, Exterior(2E) 11-0-0 to 12-8-0, Exterior(2R) 12-8-0 to 16-10-15, Interior(1) 16-10-15 to 23-8-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 209 lb uplift at joint 7 and 245 lb uplift at joint 2.

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Job	Truss	Truss Type	Qty	Ply	EVANSTON CONT - AREA 36	T22511185
2564966	T04	Common	1	1	Job Reference (optional)	

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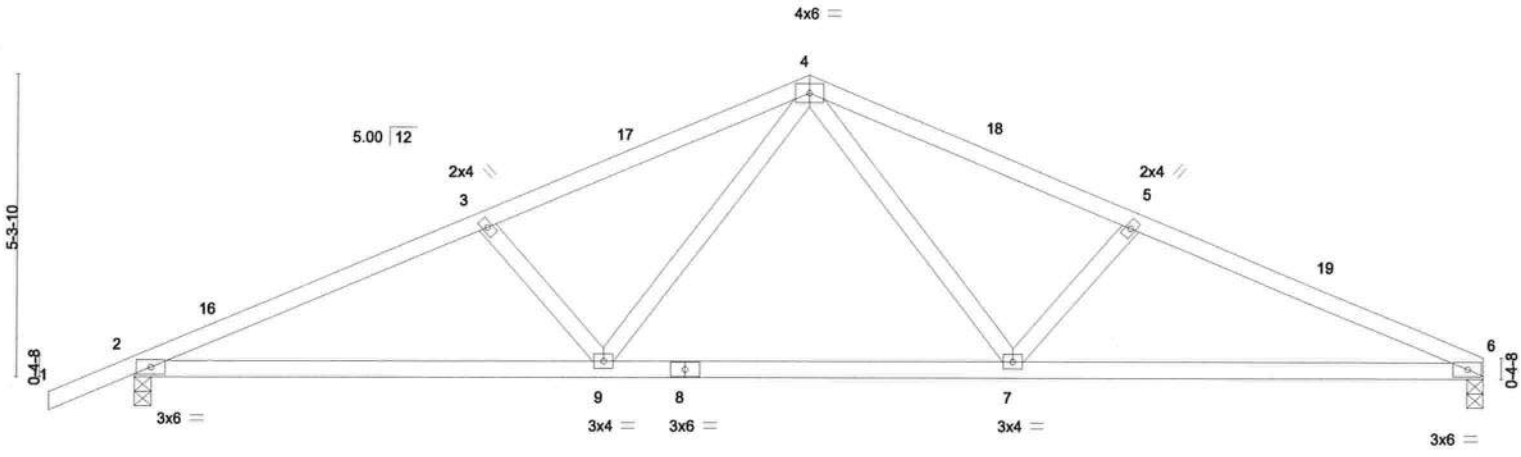
ID:ub_yh031H0hBIbYeMMTsO4zuVkt-YYRQNVxgmv0a?1uHKP4dMpsalQdJEbKV0iRyViztqjx

-1-6-0	6-2-1	11-10-0	17-5-15	23-8-0
1-6-0	6-2-1	5-7-15	5-7-15	6-2-1

Scale = 1:40.4



8-2-13	15-5-3	23-8-0
8-2-13	7-2-7	8-2-13

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	0.43	Vert(LL)	-0.10	7-12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.69	Vert(CT)	-0.25	7-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.22	Horz(CT)	0.05	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 103 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 3-10-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-3-13 oc bracing.

REACTIONS. (size) 6=0-3-8, 2=0-3-8
Max Horz 2=98(LC 12)
Max Uplift 6=-208(LC 13), 2=-244(LC 12)
Max Grav 6=944(LC 1), 2=1040(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1874/477, 3-4=-1637/441, 4-5=-1649/450, 5-6=-1876/484
BOT CHORD 2-9=-397/1681, 7-9=-210/1125, 6-7=-394/1697
WEBS 4-7=-155/577, 5-7=-392/214, 4-9=-147/560, 3-9=-383/209

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 11-10-0, Exterior(2R) 11-10-0 to 14-10-0, Interior(1) 14-10-0 to 23-8-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
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 208 lb uplift at joint 6 and 244 lb uplift at joint 2.

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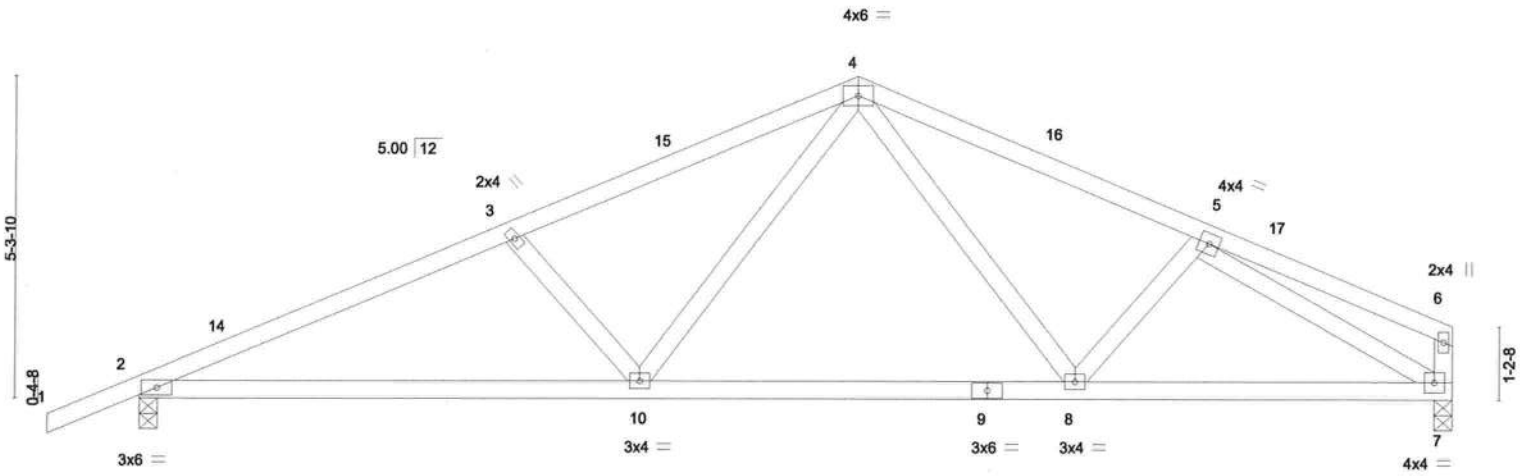
Job	Truss	Truss Type	Qty	Ply	EVANSTON CONT - AREA 36	T22511186
2564966	T05	Common	5	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Jan 19 09:25:55 2021 Page 1
ID:ub_yh031H0hBlbYeMMTsO4zuVkt-0l?obrxlXC9RdATTu6bsv0PlpqztzzXfFMAW18ztqjw

-1-6-0	6-2-1	11-10-0	17-6-0	21-8-0
1-6-0	6-2-1	5-7-15	5-8-0	4-1-15

Scale = 1:38.0



8-2-13	15-5-3	21-8-0
8-2-13	7-2-6	6-2-13

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)	-0.10	10-13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.67	Vert(CT)	-0.22	10-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.54	Horz(CT)	0.04	7	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 105 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-3-5 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-4-6 oc bracing.

REACTIONS. (size) 2=0-3-8, 7=0-3-8
Max Horz 2=116(LC 12)
Max Uplift 2=-232(LC 12), 7=-179(LC 13)
Max Grav 2=954(LC 1), 7=858(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1648/447, 3-4=-1424/409, 4-5=-1213/363
BOT CHORD 2-10=-395/1484, 8-10=-199/921, 7-8=-291/1102
WEBS 3-10=-383/210, 4-10=-147/569, 4-8=-79/283, 5-7=-1223/337

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 11-10-0, Exterior(2R) 11-10-0 to 14-10-0, Interior(1) 14-10-0 to 21-6-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
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 232 lb uplift at joint 2 and 179 lb uplift at joint 7.

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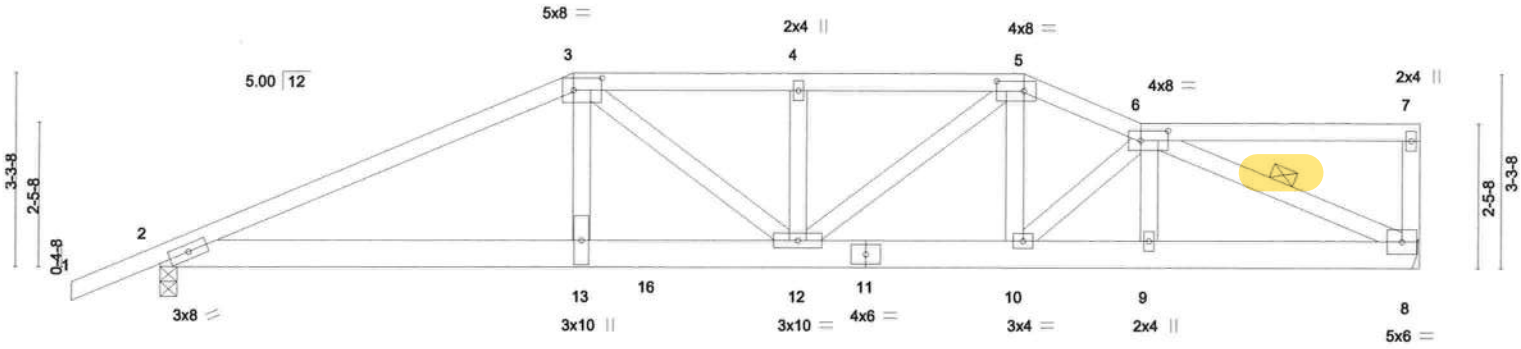
Job	Truss	Truss Type	Qty	Ply	EVANSTON CONT - AREA 36	T22511187
2564966	T06	Roof Special Girder	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Jan 19 09:25:57 2021 Page 1
ID:ub_yh031H0hBlbYeMMTsO4zuVkt-y77Z0WzY3qP9sUds?XeK_RU4ndfiRsRxiffd51ztqju

-1-6-0	7-0-0	10-10-0	14-8-0	16-8-0	21-4-14
1-6-0	7-0-0	3-10-0	3-10-0	2-0-0	4-8-14

Scale = 1:39.1



7-0-0	10-10-0	14-8-0	16-8-0	21-4-14
7-0-0	3-10-0	3-10-0	2-0-0	4-8-14

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.44	Vert(LL)	-0.13	12-13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.58	Vert(CT)	-0.25	12-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.58	Horz(CT)	0.06	8	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 125 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2 *Except* 1-3: 2x4 SP M 31
BOT CHORD 2x6 SP M 26 *Except* 8-11: 2x6 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-11-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-2-7 oc bracing.
WEBS 1 Row at midpt 6-8

REACTIONS. (size) 8=Mechanical, 2=0-3-8
Max Horz 2=110(LC 27)
Max Uplift 8=-348(LC 5), 2=-441(LC 4)
Max Grav 8=1372(LC 1), 2=1835(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3968/964, 3-4=-3454/896, 4-5=-3454/896, 5-6=-2749/696
BOT CHORD 2-13=-886/3592, 12-13=-898/3654, 10-12=-628/2527, 9-10=-639/2565, 8-9=-635/2561
WEBS 3-13=-248/1248, 3-12=-318/226, 5-12=-326/1234, 6-8=-2736/674

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 348 lb uplift at joint 8 and 441 lb uplift at joint 2.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 139 lb down and 95 lb up at 7-0-0 on top chord, and 354 lb down and 84 lb up at 7-0-0, and 942 lb down and 275 lb up at 8-3-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-60, 3-5=-60, 5-6=-60, 6-7=-60, 2-8=-20

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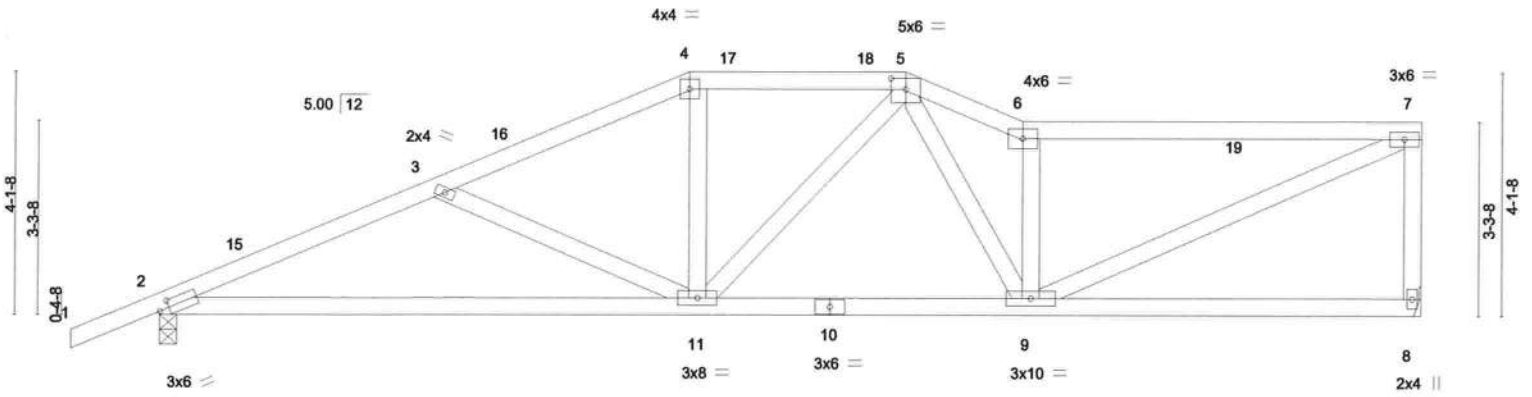
LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 3=-121(F) 13=-354(F) 16=-942(F)

Job	Truss	Truss Type	Qty	Ply	EVANSTON CONT - AREA 36	T22511188
2564966	T07	Roof Special	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Jan 19 09:25:58 2021 Page 1
ID:ub_yh031H0hBlbYeMMTsO4zuVkt-QKgxDs_Aq7X0UeC2ZE9ZWf1BZ1znAJY5xJPAeTztqjt

-1-6-0	4-10-1	9-0-0	12-8-0	14-8-0	21-4-14
1-6-0	4-10-1	4-1-15	3-8-0	2-0-0	6-8-14

Scale = 1:39.1



9-0-0	14-8-0	21-4-14
9-0-0	5-8-0	6-8-14

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

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	0.69	Vert(LL)	-0.15	11-14	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.72	Vert(CT)	-0.31	11-14	>814	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.53	Horz(CT)	0.03	8	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 111 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-5-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-3-4 oc bracing.

REACTIONS. (size) 8=Mechanical, 2=0-3-8
Max Horz 2=140(LC 12)
Max Uplift 8=-204(LC 9), 2=-207(LC 12)
Max Grav 8=847(LC 1), 2=944(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1670/480, 3-4=-1326/373, 4-5=-1182/374, 5-6=-1495/442, 6-7=-1304/370, 7-8=-781/257
BOT CHORD 2-11=-507/1517, 9-11=-333/1133
WEBS 3-11=-384/192, 4-11=-18/317, 5-9=-133/444, 6-9=-855/296, 7-9=-391/1378

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 9-0-0, Exterior(2R) 9-0-0 to 12-0-0, Interior(1) 12-0-0 to 12-8-0, Exterior(2E) 12-8-0 to 14-8-0, Interior(1) 14-8-0 to 21-3-2 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 204 lb uplift at joint 8 and 207 lb uplift at joint 2.

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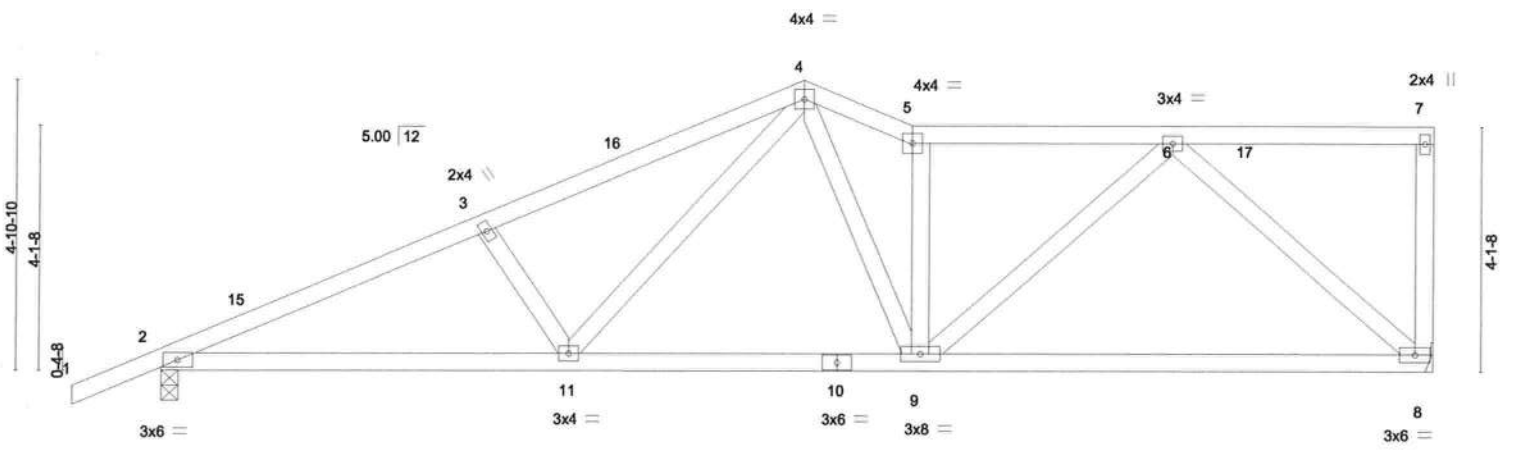
Job	Truss	Truss Type	Qty	Ply	EVANSTON CONT - AREA 36	T22511189
2564966	T08	Roof Special	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Jan 19 09:25:59 2021 Page 1
ID:ub_yh031H0hBIbYeMMTsO4zuVkt-uWEJRC?obRft6onF7ygo3sZQQRK8vICE9z8jAvztqjs

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

Scale = 1:38.8



6-10-7	12-8-0	21-4-14
6-10-7	5-9-9	8-8-14

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.43	Vert(LL)	-0.15	8-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.65	Vert(CT)	-0.32	8-9	>809	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.63	Horz(CT)	0.04	8	n/a	n/a		
BCDL	10.0	Code FBC2020/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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-4-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-6-4 oc bracing.

REACTIONS. (size) 8=Mechanical, 2=0-3-8
Max Horz 2=170(LC 12)
Max Uplift 8=-200(LC 9), 2=-217(LC 12)
Max Grav 8=847(LC 1), 2=944(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1680/427, 3-4=-1514/416, 4-5=-1280/357, 5-6=-1152/314
BOT CHORD 2-11=-483/1508, 9-11=-294/995, 8-9=-231/754
WEBS 3-11=-331/184, 4-11=-165/525, 4-9=-103/491, 5-9=-616/187, 6-9=-112/537, 6-8=-989/313

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 10-10-0, Exterior(2E) 10-10-0 to 12-8-0, Interior(1) 12-8-0 to 21-3-2 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 200 lb uplift at joint 8 and 217 lb uplift at joint 2.

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Job	Truss	Truss Type	Qty	Ply	EVANSTON CONT - AREA 36	T22511190
2564966	T09	Half Hip	1	1	Job Reference (optional)	

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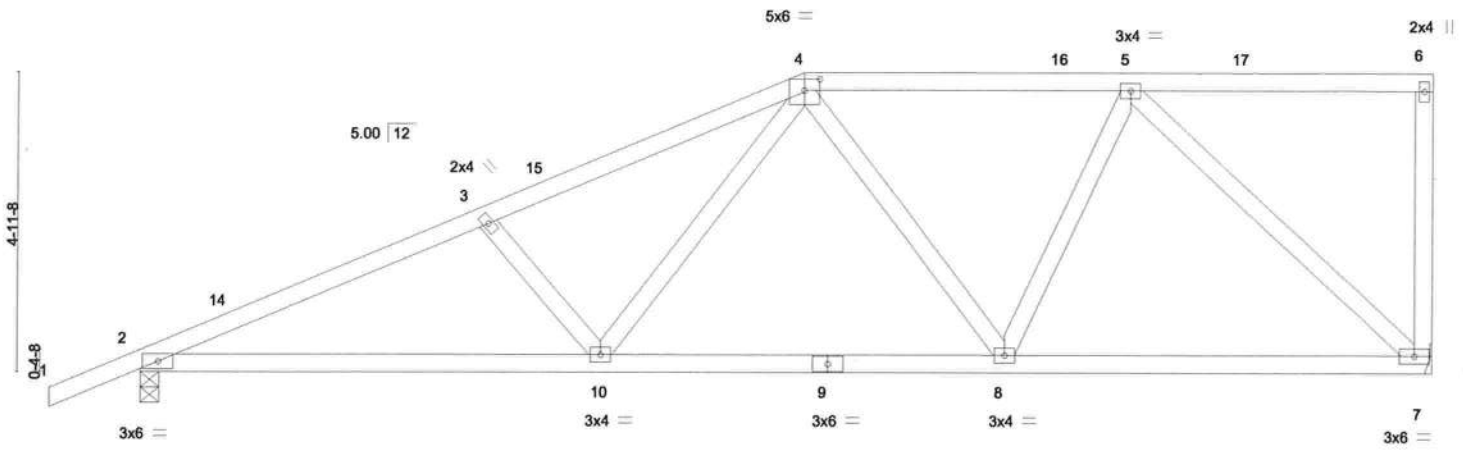
ID:ub_yh031H0hBIbYeMMTsO4zuVkt-MioheY?QMknkjyMRhfB1c46cnrhOe81OOduHiLztqjr

-1-6-0	5-9-1	11-0-0	16-4-12	21-4-14
1-6-0	5-9-1	5-2-15	5-4-12	5-0-2

Scale = 1:38.2



7-7-10	14-4-0	21-4-14
7-7-10	6-8-7	7-0-14

Plate Offsets (X,Y)– [4:0-3-0,0-2-4]

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	0.33	Vert(LL)	-0.08	10-13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.58	Vert(CT)	-0.17	10-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.85	Horz(CT)	0.04	7	n/a	n/a		
BCDL	10.0	Code FBC2020/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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-4-5 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-4-7 oc bracing.

REACTIONS. (size) 7=Mechanical, 2=0-3-8
Max Horz 2=188(LC 12)
Max Uplift 7=-219(LC 8), 2=-245(LC 12)
Max Grav 7=847(LC 1), 2=944(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1658/412, 3-4=-1443/375, 4-5=-848/220
BOT CHORD 2-10=-496/1485, 8-10=-298/970, 7-8=-192/709
WEBS 3-10=-344/190, 4-10=-134/509, 5-8=-70/392, 5-7=-963/267

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 11-0-0, Exterior(2R) 11-0-0 to 15-2-15, Interior(1) 15-2-15 to 21-3-2 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 219 lb uplift at joint 7 and 245 lb uplift at joint 2.

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Job	Truss	Truss Type	Qty	Ply	EVANSTON CONT - AREA 36	T22511191
2564966	T10	Half Hip	1	1	Job Reference (optional)	

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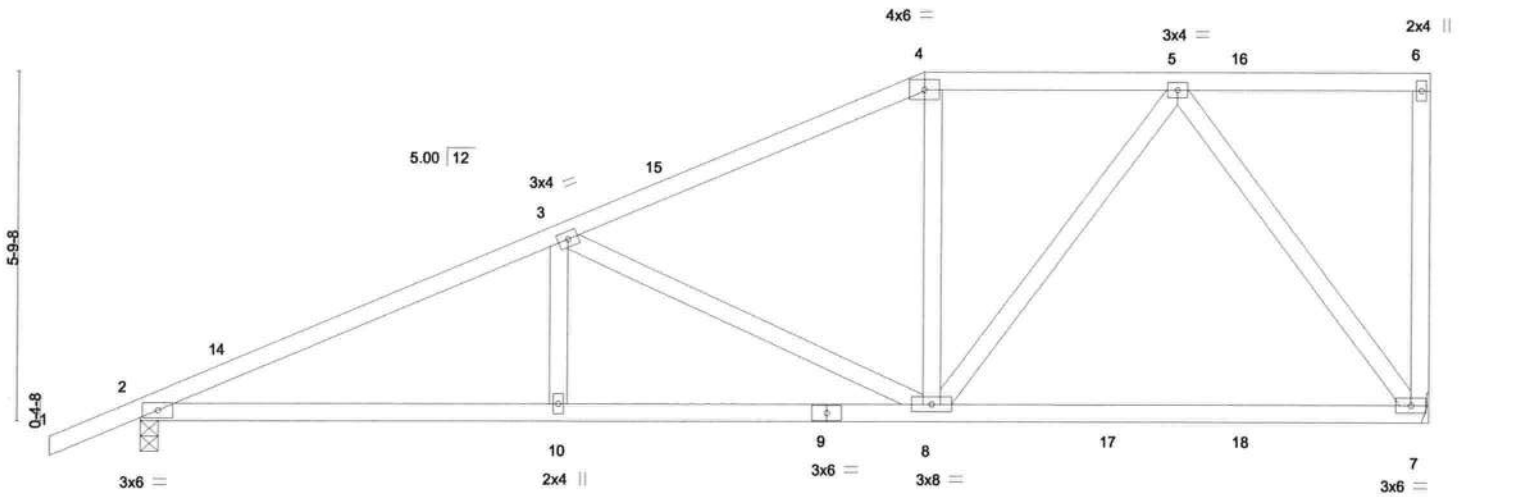
ID:ub_yh031H0hBlbYeMMTsO4zuVkt-qvM4ru0372vbL5xdENiG8Hfi6E?ANcLXdHdqEoztqjq

-1-6-0	6-11-7	13-0-0	17-2-8	21-4-14
1-6-0	6-11-7	6-0-10	4-2-8	4-2-6

Scale = 1:38.2



6-11-7	13-0-0	21-4-14
6-11-7	6-0-10	8-4-14

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.48	Vert(LL)	-0.19	7-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.74	Vert(CT)	-0.33	7-8	>774	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.78	Horz(CT)	0.04	7	n/a	n/a		
BCDL	10.0	Code FBC2020/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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-0-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-4-8 oc bracing.

REACTIONS. (size) 7=Mechanical, 2=0-3-8
Max Horz 2=219(LC 12)
Max Uplift 7=-213(LC 8), 2=-241(LC 12)
Max Grav 7=928(LC 2), 2=988(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1700/375, 3-4=-1021/224, 4-5=-882/237
BOT CHORD 2-10=-482/1533, 8-10=-482/1533, 7-8=-151/534
WEBS 3-8=-726/270, 5-8=-145/587, 5-7=-865/257

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 13-0-0, Exterior(2R) 13-0-0 to 17-2-8, Interior(1) 17-2-8 to 21-3-2 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 213 lb uplift at joint 7 and 241 lb uplift at joint 2.

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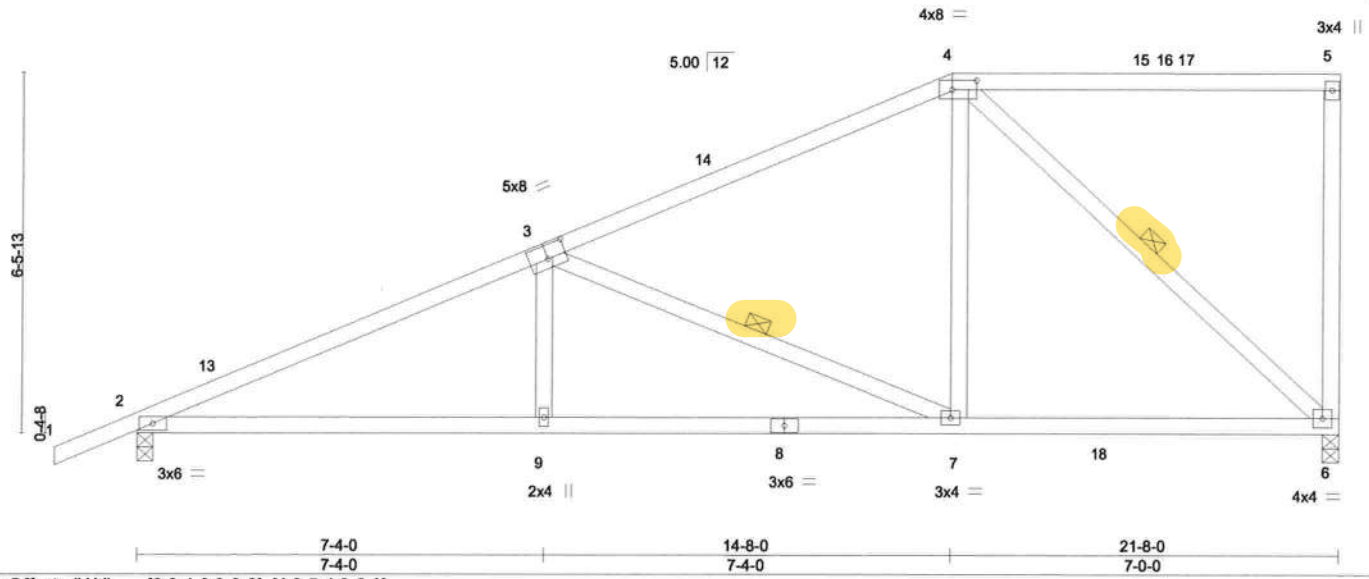
Job	Truss	Truss Type	Qty	Ply	EVANSTON CONT - AREA 36	T22511192
2564966	T11	Half Hip	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Jan 19 09:26:02 2021 Page 1
ID:ub_yh031H0hBIbYeMMTsO4zuVkt-J5wS3E1huM1SzFVpo4DVhVBuAeLI69vhsxNNnEztqjp

-1-6-0 1-6-0 | 7-4-0 7-4-0 | 14-8-0 7-4-0 | 21-8-0 7-0-0

Scale = 1:41.5



7-4-0 7-4-0 | 14-8-0 7-4-0 | 21-8-0 7-0-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.59	Vert(LL)	-0.10	9-12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.68	Vert(CT)	-0.20	9-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.44	Horz(CT)	0.05	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 115 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 3-11-11 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-2-13 oc bracing.
WEBS 1 Row at midpt 3-7, 4-6

REACTIONS. (size) 6=0-3-8, 2=0-3-8
Max Horz 2=244(LC 12)
Max Uplift 6=-221(LC 12), 2=-239(LC 12)
Max Grav 6=941(LC 2), 2=1002(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1730/367, 3-4=-888/183
BOT CHORD 2-9=-498/1560, 7-9=-498/1560, 6-7=-211/763
WEBS 3-9=0/307, 3-7=-880/313, 4-7=-71/639, 4-6=-1001/280

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 14-8-0, Exterior(2R) 14-8-0 to 18-10-15, Interior(1) 18-10-15 to 21-6-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 221 lb uplift at joint 6 and 239 lb uplift at joint 2.

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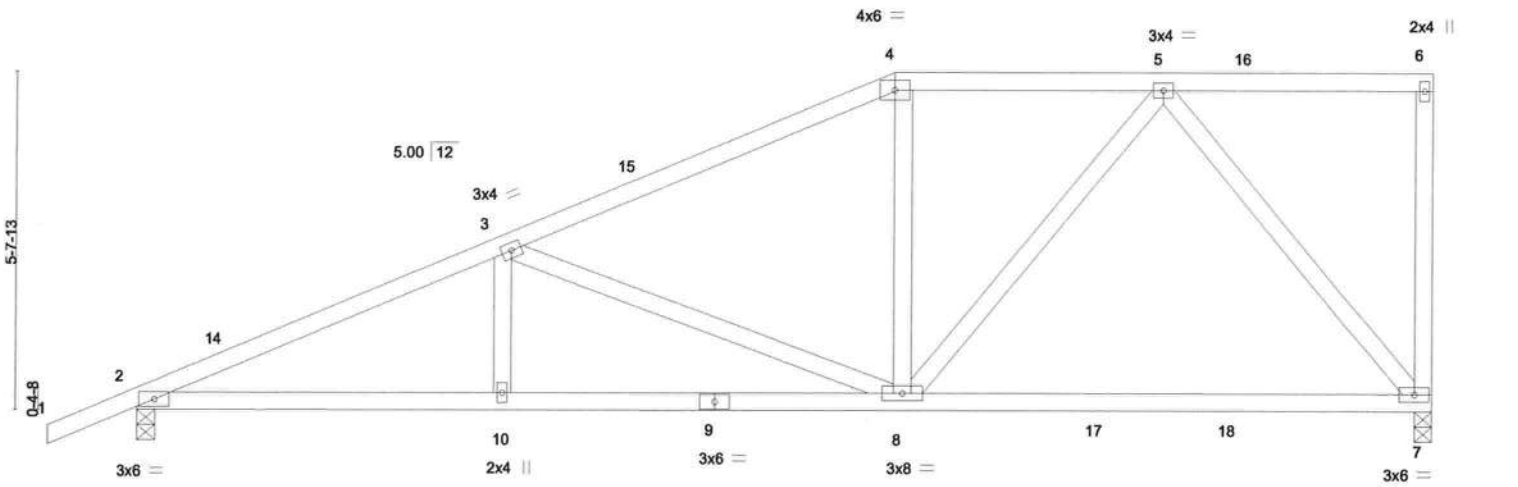
Job	Truss	Truss Type	Qty	Ply	EVANSTON CONT - AREA 36	T22511193
2564966	T12	Half Hip	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Jan 19 09:26:03 2021 Page 1
ID:ub_yh031H0hBIbYeMMTsO4zuVkt-nHUqGa2Jff9JaP40MolkDik5D2e_rWBq4b6xJgztqjo

-1-6-0	6-1-6	12-8-0	17-1-15	21-8-0
1-6-0	6-1-6	6-6-10	4-5-15	4-6-0

Scale = 1:38.6



6-1-6	12-8-0	21-8-0
6-1-6	6-6-10	9-0-0

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.51	Vert(LL)	-0.24	7-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.85	Vert(CT)	-0.41	7-8	>624	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.82	Horz(CT)	0.04	7	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 117 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-2-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-2-11 oc bracing.

REACTIONS. (size) 7=0-3-8, 2=0-3-8
Max Horz 2=214(LC 12)
Max Uplift 7=-217(LC 8), 2=-244(LC 12)
Max Grav 7=939(LC 2), 2=999(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1797/402, 3-4=-1102/237, 4-5=-956/253
BOT CHORD 2-10=-512/1630, 8-10=-512/1630, 7-8=-164/586
WEBS 3-8=-727/275, 5-8=-141/586, 5-7=-892/263

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 12-8-0, Exterior(2R) 12-8-0 to 17-1-15, Interior(1) 17-1-15 to 21-6-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 217 lb uplift at joint 7 and 244 lb uplift at joint 2.

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Job	Truss	Truss Type	Qty	Ply	EVANSTON CONT - AREA 36	
2564966	T13	Common	1	1	Job Reference (optional)	T22511194

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Jan 19 09:26:03 2021 Page 1
ID:ub_yh031H0hBIbYeMMTsO4zuVkt-nHUqGa2Jff9JaP40MolkDik4g2klrh9q4b6xJgztqjo

6-8-0 | 13-4-0 | 14-10-0
6-8-0 | 6-8-0 | 1-6-0

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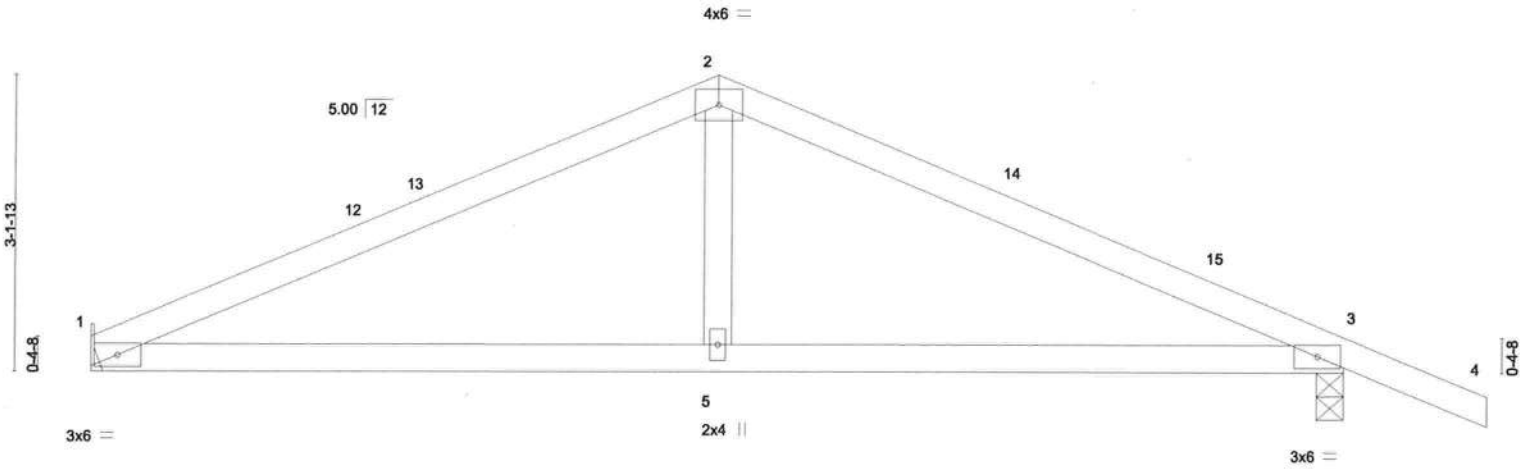

6-8-0 | 13-4-0
6-8-0 | 6-8-0

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.54	Vert(LL)	-0.07	5-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.51	Vert(CT)	-0.13	5-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.12	Horz(CT)	0.01	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 48 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 5-2-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=Mechanical, 3=0-3-8
Max Horz 1=-64(LC 13)
Max Uplift 1=-117(LC 12), 3=-154(LC 13)
Max Grav 1=528(LC 1), 3=628(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-841/330, 2-3=-842/320
BOT CHORD 1-5=-198/715, 3-5=-198/715
WEBS 2-5=-10/309

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 6-8-0, Exterior(2R) 6-8-0 to 9-8-0, Interior(1) 9-8-0 to 14-10-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 117 lb uplift at joint 1 and 154 lb uplift at joint 3.

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Job	Truss	Truss Type	Qty	Ply	EVANSTON CONT - AREA 36	T22511195
2564966	T13G	Common Supported Gable	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Jan 19 09:26:05 2021 Page 1
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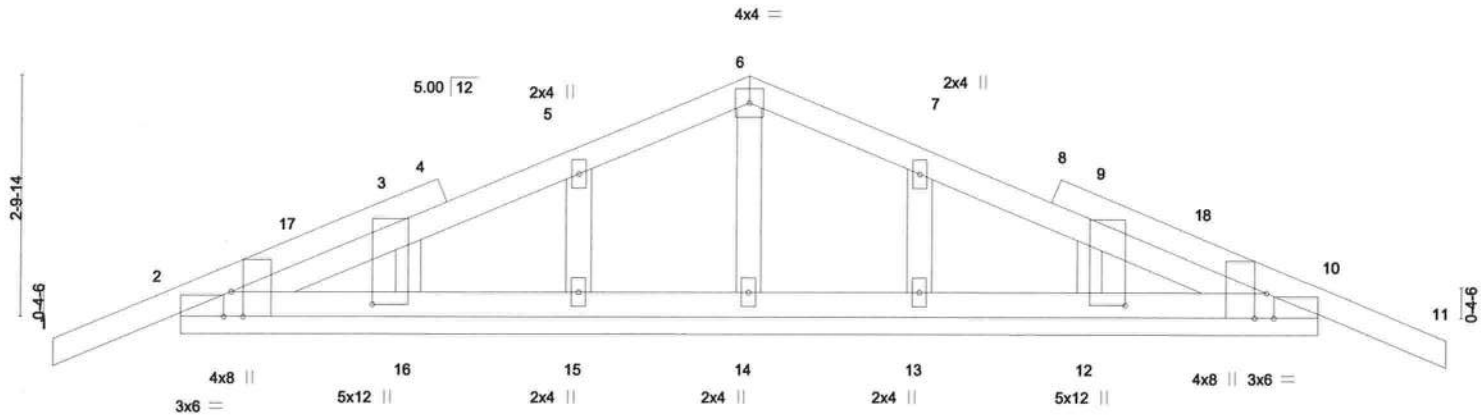
1-6-0 | 6-8-0 | 6-8-0 | 1-6-0

Scale = 1:27.0



13-4-0
13-4-0

Plate Offsets (X,Y)-- [2:0-3-8,Edge], [2:0-1-1,Edge], [10:0-3-8,Edge], [10:0-1-1,Edge], [12:0-1-12,1-7-15], [16:0-1-12,1-7-15]

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	0.14	Vert(LL)	-0.01	11	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.05	Vert(CT)	-0.01	11	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	10	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 64 lb	FT = 20%

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

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

REACTIONS. All bearings 13-4-0.
(lb) - Max Horz 2=49(LC 16)
Max Uplift All uplift 100 lb or less at joint(s) 2, 10, 15, 16, 13, 12
Max Grav All reactions 250 lb or less at joint(s) 2, 10, 14, 15, 16, 13, 12

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Corner(3E) -1-6-0 to 1-6-0, Exterior(2N) 1-6-0 to 6-8-0, Corner(3R) 6-8-0 to 9-8-0, Exterior(2N) 9-8-0 to 14-10-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 10, 15, 16, 13, 12.

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Job	Truss	Truss Type	Qty	Ply	EVANSTON CONT - AREA 36	T22511196
2564966	T14	Common	2	1	Job Reference (optional)	

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ID:ub_yh031H0hBlbYeMMTsO4zuVkt-Bs9zvb4ByaXtRtpb1wlRrLMbpFm?22zGnZLbw?ztqjl

6-8-0 / 6-8-0 — 13-0-14 / 6-4-14

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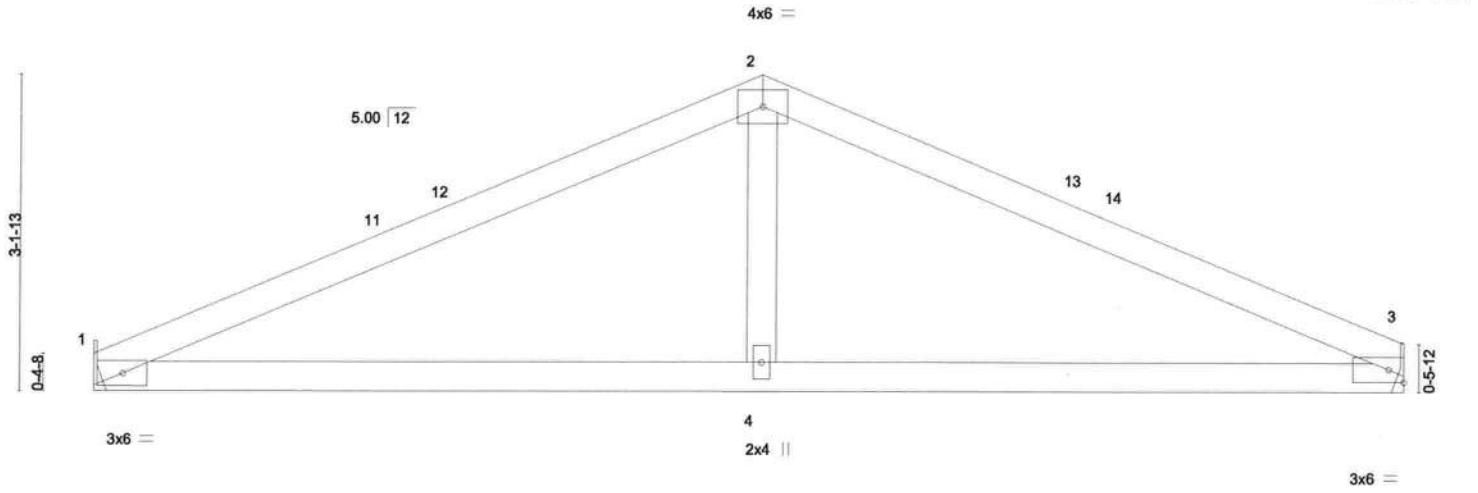

6-8-0 / 6-8-0 — 13-0-14 / 6-4-14

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.55	Vert(LL)	-0.07	4-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.51	Vert(CT)	-0.14	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.11	Horz(CT)	0.01	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 45 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 5-3-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=Mechanical, 3=Mechanical
Max Horz 1=46(LC 12)
Max Uplift 1=-116(LC 12), 3=-114(LC 13)
Max Grav 1=523(LC 1), 3=523(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-822/330, 2-3=-826/332
BOT CHORD 1-4=-233/698, 3-4=-233/698
WEBS 2-4=-9/299

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 6-8-0, Exterior(2R) 6-8-0 to 9-8-0, Interior(1) 9-8-0 to 13-0-14 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=116, 3=114.

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Job	Truss	Truss Type	Qty	Ply	EVANSTON CONT - AREA 36	T22511197
2564966	T15	Monopitch Girder	1	2	Job Reference (optional)	

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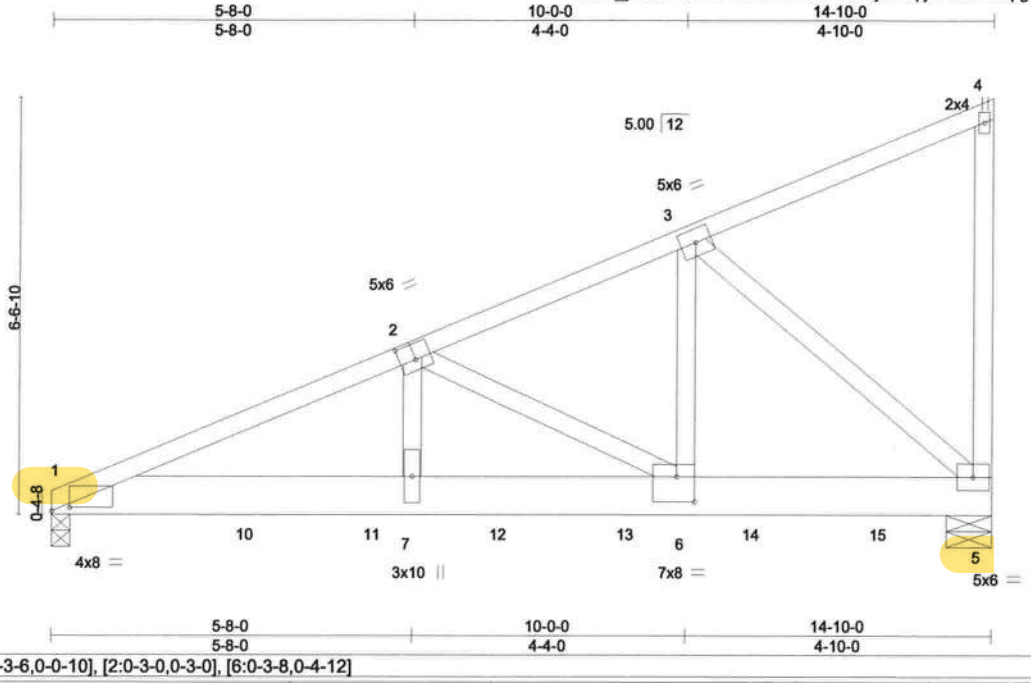

Plate Offsets (X,Y)— [1:0-3-6,0-0-10], [2:0-3-0,0-3-0], [6:0-3-8,0-4-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.34	Vert(LL)	-0.06	7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.30	Vert(CT)	-0.12	7-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.70	Horz(CT)	0.02	5	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-MS							Weight: 203 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-8-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=0-3-8, 5=0-8-8
Max Horz 1=222(LC 8)
Max Uplift 1=-826(LC 8), 5=-952(LC 8)
Max Grav 1=3394(LC 1), 5=3437(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-6480/1578, 2-3=-3400/811
BOT CHORD 1-7=-1622/5948, 6-7=-1624/5957, 5-6=-849/3098
WEBS 2-7=-581/2429, 2-6=-3226/875, 3-6=-911/3663, 3-5=-4086/1118

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=826, 5=952.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 504 lb down and 133 lb up at 1-0-12, 503 lb down and 134 lb up at 3-0-12, 1352 lb down and 368 lb up at 5-0-12, 827 lb down and 224 lb up at 7-0-12, 827 lb down and 220 lb up at 9-0-12, and 827 lb down and 239 lb up at 11-0-12, and 908 lb down and 233 lb up at 13-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-60, 1-5=-20

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Continued on page 2

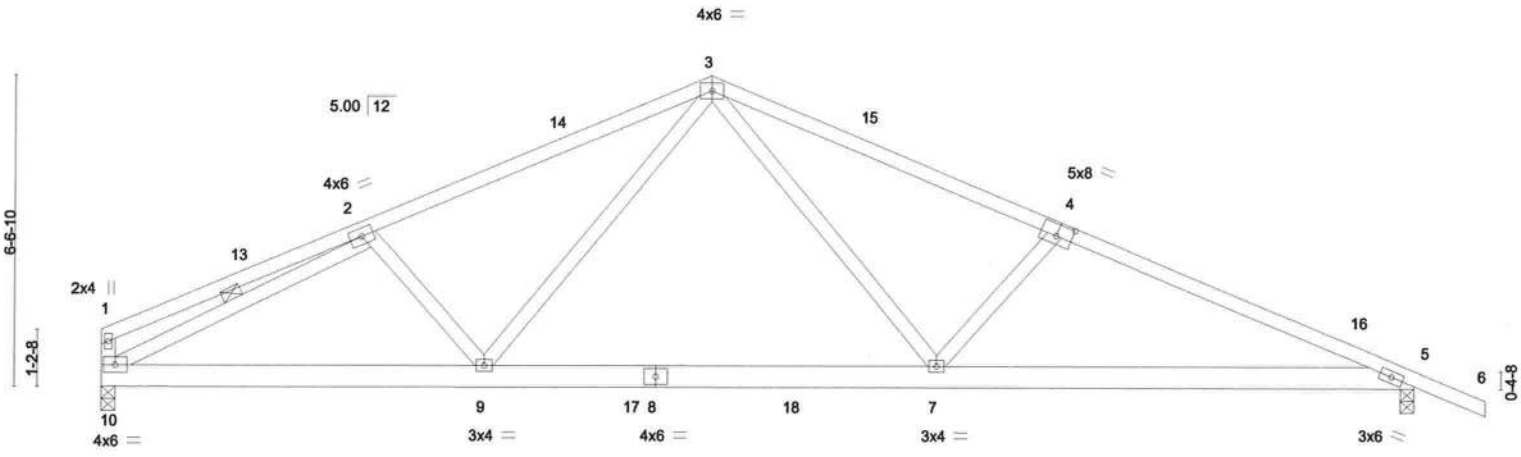
LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 9=-504(B) 10=-503(B) 11=-1352(B) 12=-827(B) 13=-827(B) 14=-827(B) 15=-827(B)

Job	Truss	Truss Type	Qty	Ply	EVANSTON CONT - AREA 36	T22511198
2564966	T16	Common	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Jan 19 09:26:08 2021 Page 1
ID:ub_yh031H0hBlbYeMMTsO4zuVkt-7FHjKH5STCnbhAzz9LKvwmRuI3OEWtHZEtqi_uztqjj

5-7-3	12-10-0	20-0-14	27-8-0	29-2-0
5-7-3	7-2-13	7-2-14	7-7-2	1-6-0

Scale = 1:48.6



8-0-11	17-7-6	27-8-0
8-0-11	9-6-11	10-0-10

Plate Offsets (X,Y)– [4:0-4-0,0-3-0]

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	0.74	Vert(LL)	-0.14	7-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.71	Vert(CT)	-0.28	7-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.44	Horz(CT)	0.05	5	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 155 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 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 2-10

REACTIONS. (size) 10=0-3-8, 5=0-3-8
Max Horz 10=-136(LC 13)
Max Uplift 10=-232(LC 12), 5=-285(LC 13)
Max Grav 10=1195(LC 2), 5=1270(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-268/84, 2-3=-1859/418, 3-4=-2140/462, 4-5=-2366/498
BOT CHORD 9-10=-376/1712, 7-9=-173/1334, 5-7=-386/2149
WEBS 3-9=-121/557, 3-7=-199/937, 4-7=-469/262, 2-10=-1738/363

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 12-10-0, Exterior(2R) 12-10-0 to 15-10-0, Interior(1) 15-10-0 to 29-2-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 10=232, 5=285.

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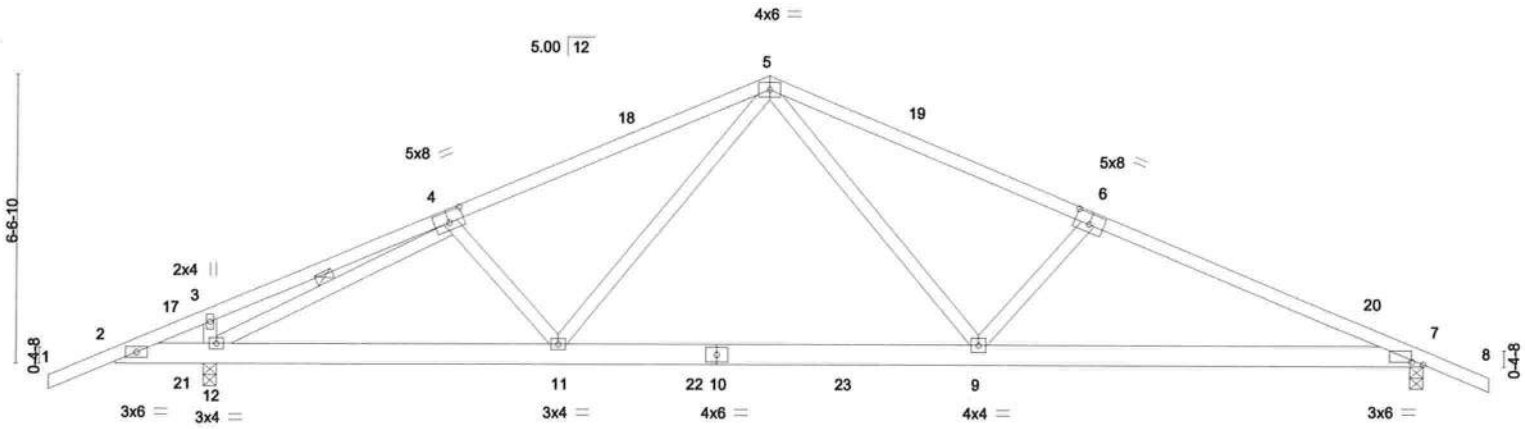
Job	Truss	Truss Type	Qty	Ply	EVANSTON CONT - AREA 36	T22511199
2564966	T17	Common	2	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Jan 19 09:26:10 2021 Page 1
ID:ub_yh031H0hBlbYeMMTsO4zuVkt-4dPTkz7i?p1JwU7MGmNN?BXEct3o_m9shBJp3mztqjh

-1-6-0 | 7-7-0 | 14-10-0 | 22-1-0 | 29-8-0 | 31-2-0
1-6-0 | 7-7-0 | 7-3-0 | 7-3-0 | 7-7-0 | 1-6-0

Scale = 1:52.4



2-0-0 2-1-12 | 10-0-10 | 19-7-6 | 29-8-0
2-0-0 0-1-12 | 7-10-14 | 9-6-12 | 10-0-10

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.75	Vert(LL)	-0.15	9-11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.71	Vert(CT)	-0.27	9-16	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.48	Horz(CT)	0.05	7	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 165 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 2-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 2-12.
WEBS 1 Row at midpt 4-12

REACTIONS. (size) 12=0-3-8, 7=0-3-8
Max Horz 12=-108(LC 13)
Max Uplift 12=-320(LC 12), 7=-283(LC 13)
Max Grav 12=1467(LC 2), 7=1255(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-251/196, 4-5=-1772/354, 5-6=-2103/439, 6-7=-2330/491
BOT CHORD 2-12=-140/274, 11-12=-337/1610, 9-11=-161/1296, 7-9=-365/2115
WEBS 5-11=-99/488, 5-9=-199/942, 6-9=-468/262, 4-12=-1902/533, 3-12=-265/142

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 14-10-0, Exterior(2R) 14-10-0 to 17-10-0, Interior(1) 17-10-0 to 31-2-0 zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 12=320, 7=283.

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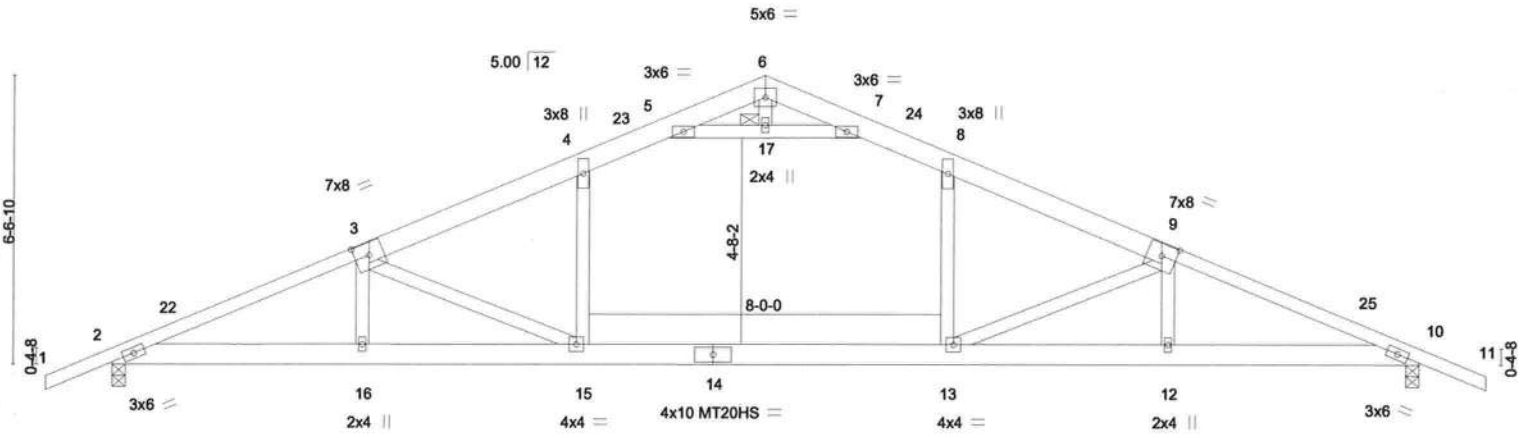
Job	Truss	Truss Type	Qty	Ply	EVANSTON CONT - AREA 3b	T22511200
2564966	T18	ATTIC	7	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Jan 19 09:26:11 2021 Page 1
ID:ub_yh031H0hBlbYeMMTsO4zuVkt-YqzsyJ8Km7AAYeiYqTucYO3MXGUXj92?wr2MbDztqjg

-1-6-0	5-8-0	10-8-4	12-11-10	14-10-0	16-8-6	18-11-12	24-0-0	29-8-0	31-2-0
1-6-0	5-8-0	5-0-4	2-3-6	1-10-6	1-10-6	2-3-6	5-0-4	5-8-0	1-6-0

Scale = 1:52.4



5-8-0	10-8-4	18-11-12	24-0-0	29-8-0
5-8-0	5-0-4	8-3-8	5-0-4	5-8-0

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

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	0.93	Vert(LL)	-0.27	13-15	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.42	Vert(CT)	-0.52	13-15	>689	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.76	Horz(CT)	0.06	10	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS		Attic	-0.11	13-15	904	360	Weight: 180 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2 *Except* 1-3,9-11: 2x4 SP No.2
BOT CHORD 2x6 SP M 26
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): 17

REACTIONS. (size) 2=0-3-8, 10=0-3-8
Max Horz 2=-106(LC 17)
Max Uplift 2=-179(LC 12), 10=-179(LC 13)
Max Grav 2=1530(LC 2), 10=1530(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3275/260, 3-4=-2869/129, 4-5=-2459/167, 5-6=0/470, 6-7=0/470, 7-8=-2459/167, 8-9=-2869/129, 9-10=-3275/260
BOT CHORD 2-16=-270/3000, 15-16=-268/3001, 13-15=-3/2561, 12-13=-162/3001, 10-12=-164/3000
WEBS 5-17=-3120/118, 7-17=-3120/118, 4-15=0/788, 8-13=0/788, 3-15=-740/296, 6-17=0/267, 9-13=-740/296

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 14-10-0, Exterior(2R) 14-10-0 to 17-10-0, Interior(1) 17-10-0 to 31-2-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) All plates are MT20 plates unless otherwise indicated.
5) The Fabrication Tolerance at joint 14 = 12%
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Ceiling dead load (5.0 psf) on member(s). 4-5, 7-8, 5-17, 7-17; Wall dead load (5.0psf) on member(s).4-15, 8-13
9) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 13-15
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=179, 10=179.
11) Attic room checked for L/360 deflection.

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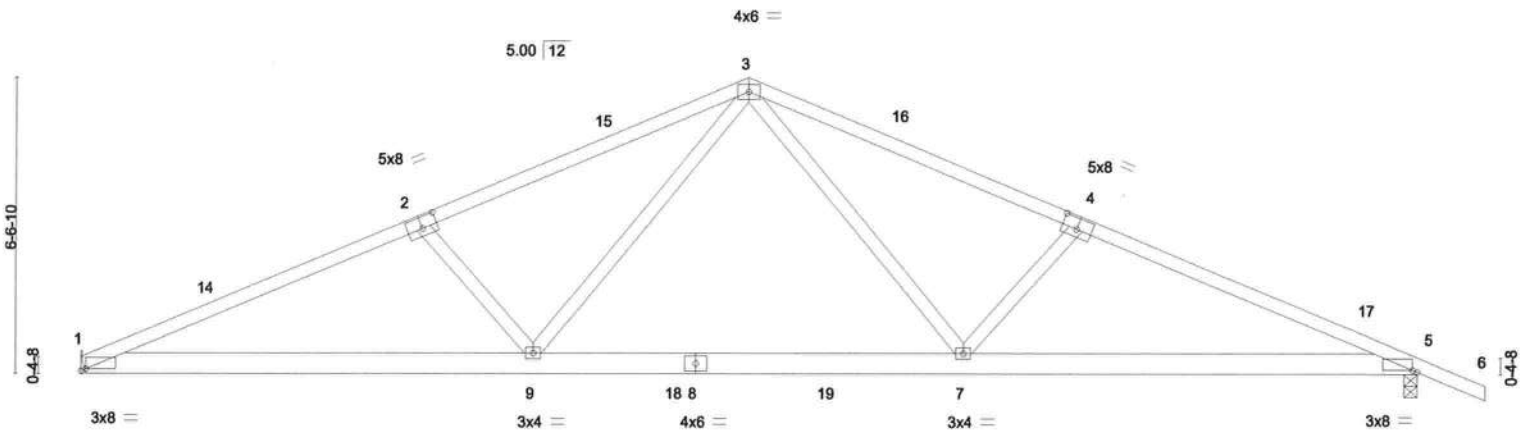
Job	Truss	Truss Type	Qty	Ply	EVANSTON CONT - AREA 36	T22511201
2564966	T19	Common	3	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Jan 19 09:26:12 2021 Page 1
ID:ub_yh031H0hBIbYeMMTsO4zuVkt-00XE9f9yXQl1AoGkOBPr5ccZggk0Sih99Vov7fztqjf

7-7-0	14-10-0	22-1-0	29-8-0	31-2-0
7-7-0	7-3-0	7-3-0	7-7-0	1-6-0

Scale = 1:51.1



10-0-10	19-7-6	29-8-0
10-0-10	9-6-13	10-0-10

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.78	Vert(LL)	-0.17	7-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.79	Vert(CT)	-0.34	9-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.35	Horz(CT)	0.07	5	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 153 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.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=Mechanical, 5=0-3-8
Max Horz 1=-118(LC 17)
Max Uplift 1=-261(LC 12), 5=-297(LC 13)
Max Grav 1=1284(LC 2), 5=1363(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2608/534, 2-3=-2382/495, 3-4=-2373/483, 4-5=-2600/526
BOT CHORD 1-9=-513/2375, 7-9=-220/1564, 5-7=-406/2365
WEBS 3-7=-198/917, 4-7=-470/262, 3-9=-205/929, 2-9=-473/264

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 14-10-0, Exterior(2R) 14-10-0 to 17-10-0, Interior(1) 17-10-0 to 31-2-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=261, 5=297.

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Job	Truss	Truss Type	Qty	Ply	EVANSTON CONT - AREA 36	T22511202
2564966	T20	Common	5	1	Job Reference (optional)	

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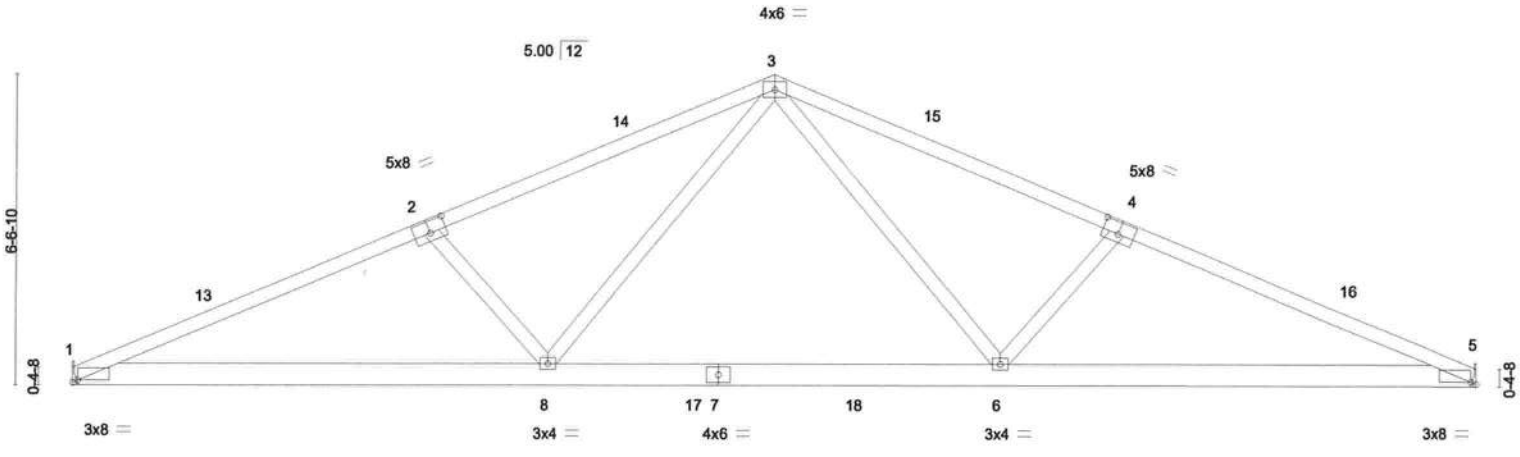
ID:ub_yh031H0hBlbYeMMTsO4zuVkt-UC4cN?9aIkQunxrxxuw4dp9jS44EB9yIO9XTg5ztqje

7-7-0	14-10-0	22-1-0	29-8-0
7-7-0	7-3-0	7-3-0	7-7-0

Scale = 1:48.7



10-0-10	19-7-6	29-8-0
10-0-10	9-6-13	10-0-10

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.78	Vert(LL)	-0.17	6-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.79	Vert(CT)	-0.34	8-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.35	Horz(CT)	0.07	5	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 151 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.
BOT CHORD Rigid ceiling directly applied or 9-11-12 oc bracing.

REACTIONS. (size) 1=Mechanical, 5=Mechanical
Max Horz 1=-98(LC 13)
Max Uplift 1=-262(LC 12), 5=-262(LC 13)
Max Grav 1=1286(LC 2), 5=1286(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2612/535, 2-3=-2386/497, 3-4=-2386/497, 4-5=-2612/534
BOT CHORD 1-8=-523/2379, 6-8=-231/1569, 5-6=-426/2379
WEBS 3-6=-205/929, 4-6=-473/264, 3-8=-205/929, 2-8=-473/264

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 14-10-0, Exterior(2R) 14-10-0 to 17-10-0, Interior(1) 17-10-0 to 29-8-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=262, 5=262.

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Job	Truss	Truss Type	Qty	Ply	EVANSTON CONT - AREA 36	T22511203
2564966	T20G	GABLE	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Jan 19 09:26:14 2021 Page 1
ID:ub_yh031H0hBlbYeMMTsO4zuVkt-yPe_aKAC32YlP5Q7VcRJA1hvfUVrwblScpH0CXztqjd

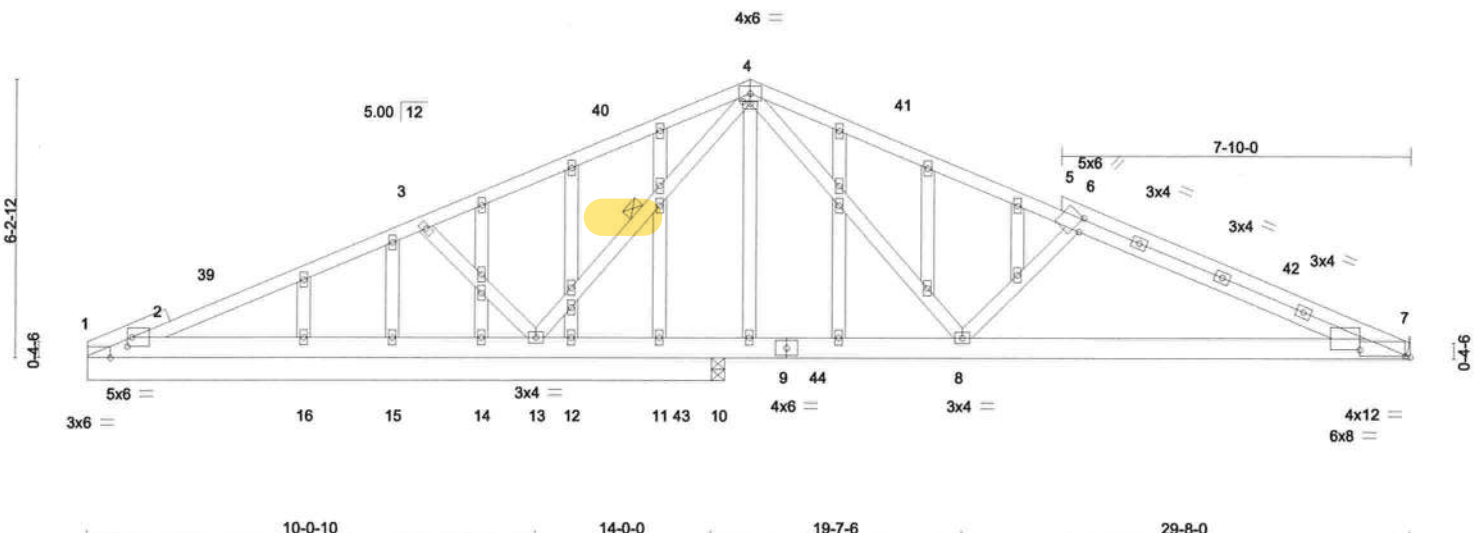

Plate Offsets (X,Y)-- [1:0-1-4,0-2-7], [1:0-5-14,Edge], [4:0-2-0,0-0-8], [6:0-3-8,0-1-12], [7:1-1-5,0-1-15], [7:0-1-6,0-0-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.75	Vert(LL)	-0.10	8-38	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.51	Vert(CT)	-0.21	8-38	>885	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.45	Horz(CT)	0.01	7	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 205 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 5-2-13 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing, Except: 10-0-0 oc bracing: 7-8.
WEBS	1 Row at midpt 4-13

REACTIONS. All bearings 14-3-8 except (jt=length) 7=Mechanical, 10=0-3-8.
(lb) - Max Horz 1=93(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 11, 14, 16, 10 except 7=-179(LC 13), 13=-395(LC 12), 15=-158(LC 23)
Max Grav All reactions 250 lb or less at joint(s) 11, 12, 14, 15 except 7=696(LC 26), 13=1334(LC 1), 16=362(LC 25), 10=250(LC 26)

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

TOP CHORD	1-3=-130/591, 3-4=-197/896, 4-6=-885/280, 6-7=-1162/354
BOT CHORD	1-16=-485/159, 15-16=-485/159, 14-15=-485/159, 13-14=-485/159, 7-8=-271/1069
WEBS	4-8=-219/872, 6-8=-547/287, 4-13=-1354/342, 3-13=-444/257

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 14-10-0, Exterior(2R) 14-10-0 to 17-10-0, Interior(1) 17-10-0 to 29-7-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
9) Refer to girder(s) for truss to truss connections.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11, 14, 16, 10 except (jt=lb) 7=179, 13=395, 15=158.

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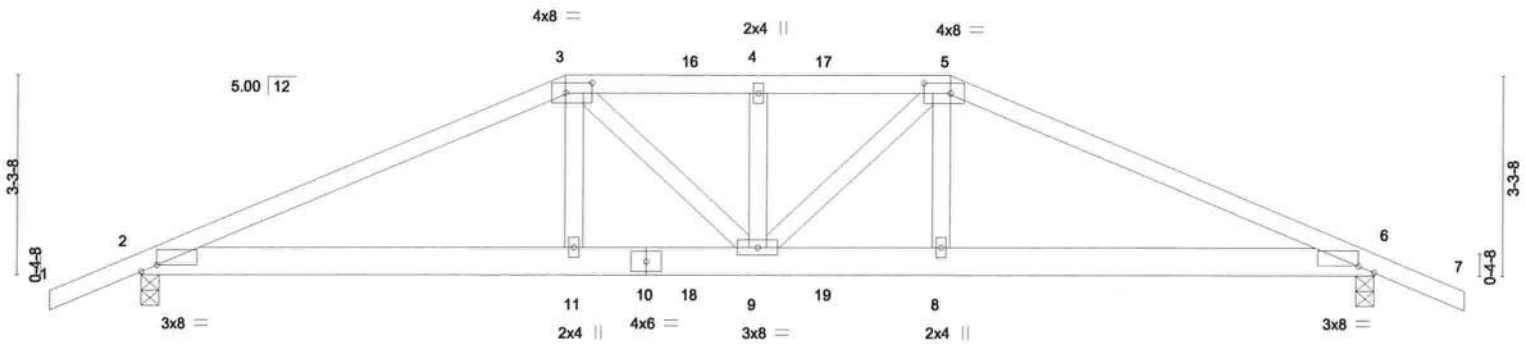
Job	Truss	Truss Type	Qty	Ply	EVANSTON CONT - AREA 36	T22511204
2564966	T21	Hip Girder	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Jan 19 09:26:16 2021 Page 1
ID:ub_yh031H0hBIbYeMMTsO4zuVkt-unml?0CTbfoTePaWd0UnFSnKMH4jOYIk47m7GQztqjb

-1-6-0	7-0-0	10-2-0	13-4-0	20-4-0	21-10-0
1-6-0	7-0-0	3-2-0	3-2-0	7-0-0	1-6-0

Scale = 1:38.0



7-0-0	10-2-0	13-4-0	20-4-0
7-0-0	3-2-0	3-2-0	7-0-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.42	Vert(LL)	-0.12	9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.87	Vert(CT)	-0.23	9	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.25	Horz(CT)	0.07	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 107 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP M 31 *Except*
3-5: 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-10-14 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-4-10 oc bracing.

REACTIONS. (size) 2=0-3-8, 6=0-3-8
Max Horz 2=56(LC 31)
Max Uplift 2=-422(LC 8), 6=-423(LC 9)
Max Grav 2=1682(LC 1), 6=1702(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3525/836, 3-4=-3532/867, 4-5=-3532/867, 5-6=-3577/840
BOT CHORD 2-11=-736/3186, 9-11=-739/3217, 8-9=-709/3265, 6-8=-708/3235
WEBS 3-11=-61/657, 3-9=-234/551, 4-9=-479/236, 5-9=-168/472, 5-8=-61/657

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=422, 6=423.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 139 lb down and 95 lb up at 7-0-0, 121 lb down and 95 lb up at 9-0-12, 121 lb down and 87 lb up at 10-2-0, and 121 lb down and 95 lb up at 11-3-4, and 234 lb down and 173 lb up at 13-4-0 on top chord, and 354 lb down and 84 lb up at 7-0-0, 88 lb down at 9-0-12, 88 lb down at 10-2-0, and 88 lb down at 11-3-4, and 354 lb down and 84 lb up at 13-3-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-60, 3-5=-60, 5-7=-60, 2-6=-20

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LOAD CASE(S) Standard

Concentrated Loads (lb)

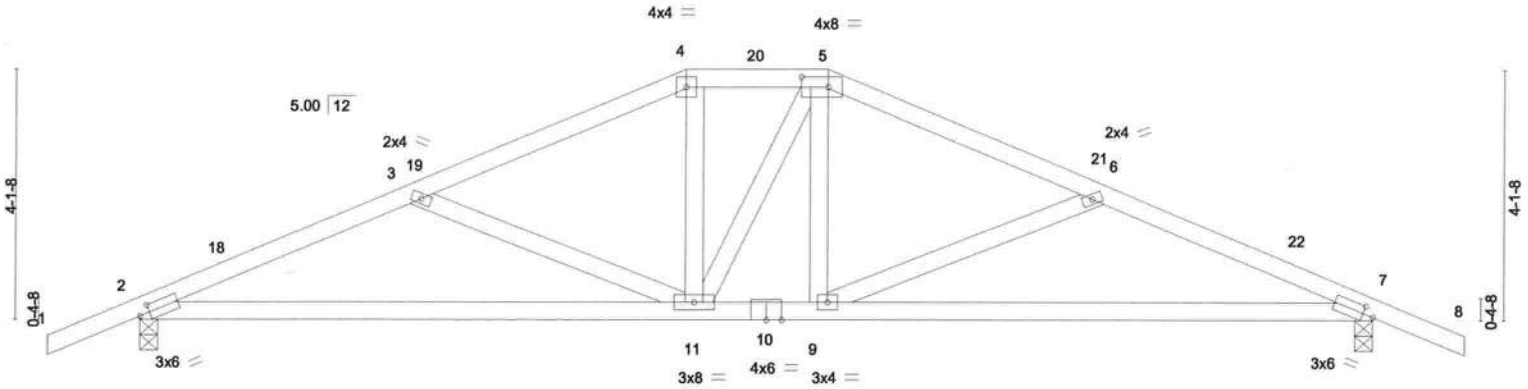
Vert: 3=-121(F) 5=-187(F) 11=-354(F) 9=-67(F) 4=-121(F) 8=-354(F) 16=-121(F) 17=-121(F) 18=-67(F) 19=-67(F)

Job	Truss	Truss Type	Qty	Ply	EVANSTON CONT - AREA 36	T22511205
2564966	T22	Hip	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Jan 19 09:26:17 2021 Page 1
ID:ub_yh031H0hBlbYeMMTsO4zuVkt-M_K7CMC5MzwJGZ9iAk?0ofJVJhST7_LuInVgpsztqja

-1-6-0	4-7-10	9-0-0	11-4-0	15-8-5	20-4-0	21-10-0
1-6-0	4-7-10	4-4-6	2-4-0	4-4-6	4-7-11	1-6-0

Scale = 1:38.0



9-0-0	11-4-0	20-4-0
9-0-0	2-4-0	9-0-0

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

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	0.40	Vert(LL)	-0.14	9-17	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.70	Vert(CT)	-0.31	9-17	>799	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.20	Horz(CT)	0.04	7	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 99 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-6-1 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=0-3-8, 7=0-3-8
Max Horz 2=-70(LC 13)
Max Uplift 2=-216(LC 12), 7=-216(LC 13)
Max Grav 2=903(LC 1), 7=903(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1587/409, 3-4=-1224/303, 4-5=-1084/308, 5-6=-1223/303, 6-7=-1587/409
BOT CHORD 2-11=-344/1444, 9-11=-169/1083, 7-9=-326/1444
WEBS 3-11=-403/197, 4-11=-44/297, 5-9=-43/297, 6-9=-404/198

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 9-0-0, Exterior(2E) 9-0-0 to 11-4-0, Exterior(2R) 11-4-0 to 15-6-15, Interior(1) 15-6-15 to 21-10-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=216, 7=216.

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Job	Truss	Truss Type	Qty	Ply	EVANSTON CONT - AREA 36	T22511206
2564966	T23	Common	2	1	Job Reference (optional)	

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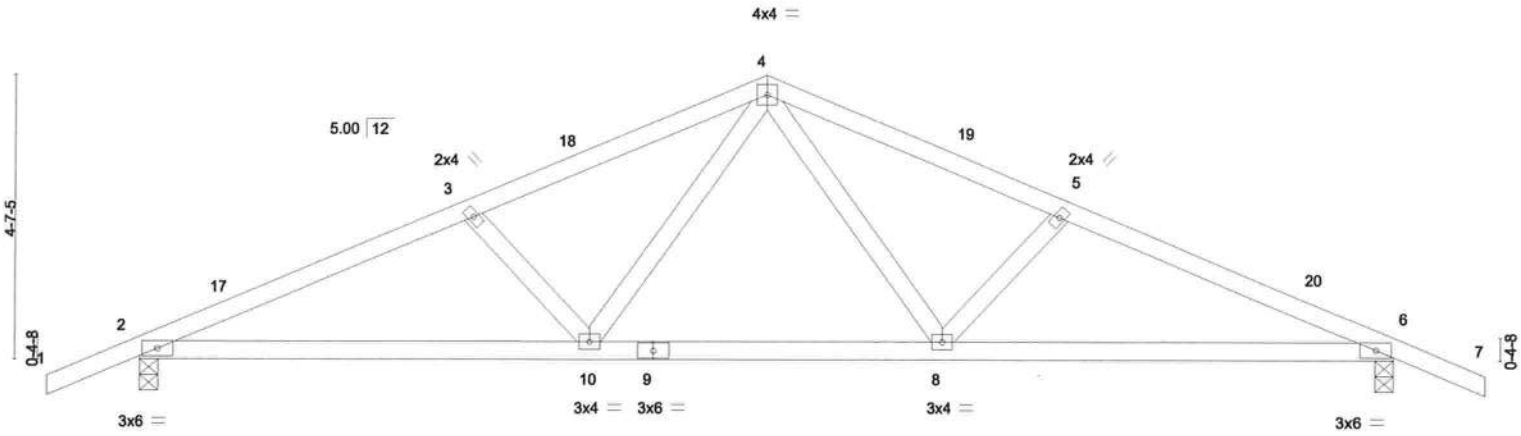
ID:ub_yh031H0hBlbYeMMTsO4zuVkt-JMStd2ELuaA1VsJ5l91Ut4OtcVBfbvGBm5_ntlztqjY

-1-6-0	5-4-13	10-2-0	14-11-3	20-4-0	21-10-0
1-6-0	5-4-13	4-9-3	4-9-3	5-4-14	1-6-0

Scale = 1:37.4



7-3-12	13-0-4	20-4-0
7-3-12	5-8-9	7-3-12

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.29	Vert(LL)	-0.07	8-16	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.53	Vert(CT)	-0.16	8-16	>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 FBC2020/TPI2014		Matrix-MS							Weight: 91 lb	FT = 20%

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

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

REACTIONS. (size) 2=0-3-8, 6=0-3-8
Max Horz 2=77(LC 16)
Max Uplift 2=-215(LC 12), 6=-215(LC 13)
Max Grav 2=903(LC 1), 6=903(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1573/442, 3-4=-1361/402, 4-5=-1361/402, 5-6=-1573/442
BOT CHORD 2-10=-329/1409, 8-10=-168/955, 6-8=-342/1409
WEBS 4-8=-119/454, 5-8=-328/178, 4-10=-118/454, 3-10=-328/178

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 10-2-0, Exterior(2R) 10-2-0 to 13-2-0, Interior(1) 13-2-0 to 21-10-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
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=215, 6=215.

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Job	Truss	Truss Type	Qty	Ply	EVANSTON CONT - AREA 36	T22511207
2564966	T24	Common Girder	1	2	Job Reference (optional)	

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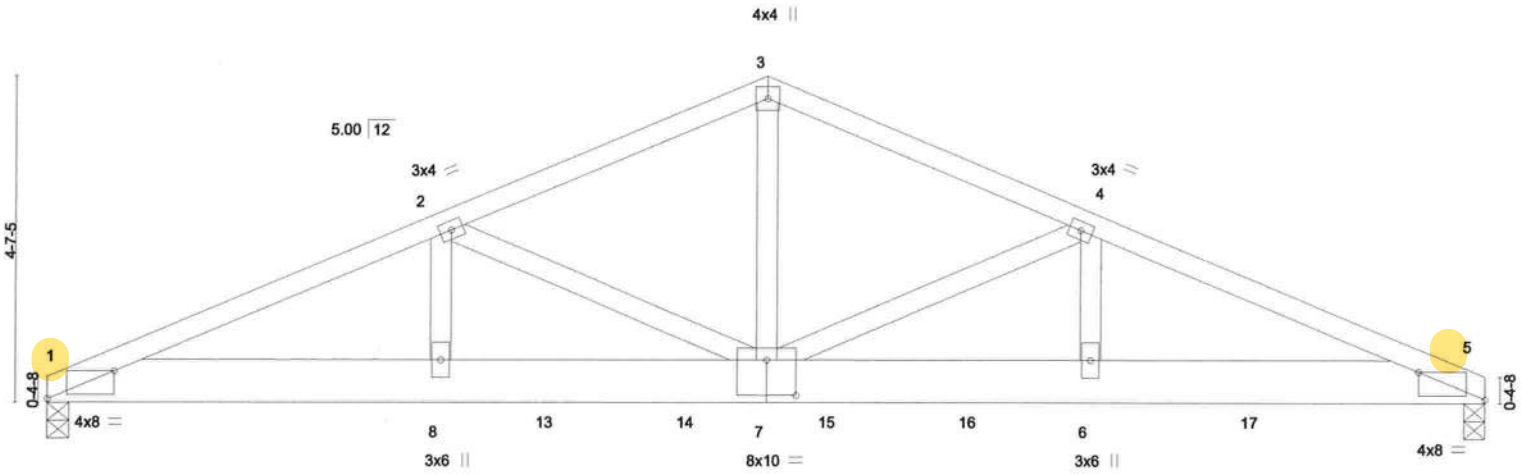
ID:ub_yh031H0hBlbYeMMTsO4zuVkt-nY?FrOFzfulu70uHssYjPlx0TvbFKDtK?lkKPBztqjX

5-6-12	10-2-0	14-9-4	20-4-0
5-6-12	4-7-4	4-7-4	5-6-12

Scale = 1:32.6



5-6-12	10-2-0	14-9-4	20-4-0
5-6-12	4-7-4	4-7-4	5-6-12

Plate Offsets (X,Y)-- [1:0-11-2,Edge], [5:0-11-2,Edge], [7:0-5-0,0-6-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.41	Vert(LL)	-0.11	7-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.32	Vert(CT)	-0.21	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.72	Horz(CT)	0.04	5	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 241 lb	FT = 20%

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

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

REACTIONS. (size) 1=0-3-8, 5=0-3-8
Max Horz 1=-66(LC 13)
Max Uplift 1=-702(LC 8), 5=-928(LC 9)
Max Grav 1=2839(LC 1), 5=3786(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-6867/1695, 2-3=-5373/1343, 3-4=-5375/1344, 4-5=-7437/1838
BOT CHORD 1-8=-1575/6287, 7-8=-1575/6287, 6-7=-1643/6833, 5-6=-1643/6833
WEBS 3-7=-930/3805, 4-7=-2152/602, 4-6=-322/1463, 2-7=-1545/452, 2-8=-208/1006

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-7-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
5) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=702, 5=928.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1421 lb down and 369 lb up at 7-0-12, 596 lb down and 176 lb up at 9-0-12, 596 lb down and 175 lb up at 11-0-12, 596 lb down and 181 lb up at 13-0-12, 602 lb down and 157 lb up at 15-0-12, and 602 lb down and 157 lb up at 17-0-12, and 607 lb down and 158 lb up at 19-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

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

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LOAD CASE(S) Standard

Uniform Loads (plf)

Vert: 1-3=-60, 3-5=-60, 1-5=-20

Concentrated Loads (lb)

Vert: 6=-602(B) 12=-607(B) 13=-1421(B) 14=-596(B) 15=-596(B) 16=-596(B) 17=-602(B)

Job	Truss	Truss Type	Qty	Ply	EVANSTON CONT - AREA 36	T22511208
2564966	T25	Common	1	1	Job Reference (optional)	

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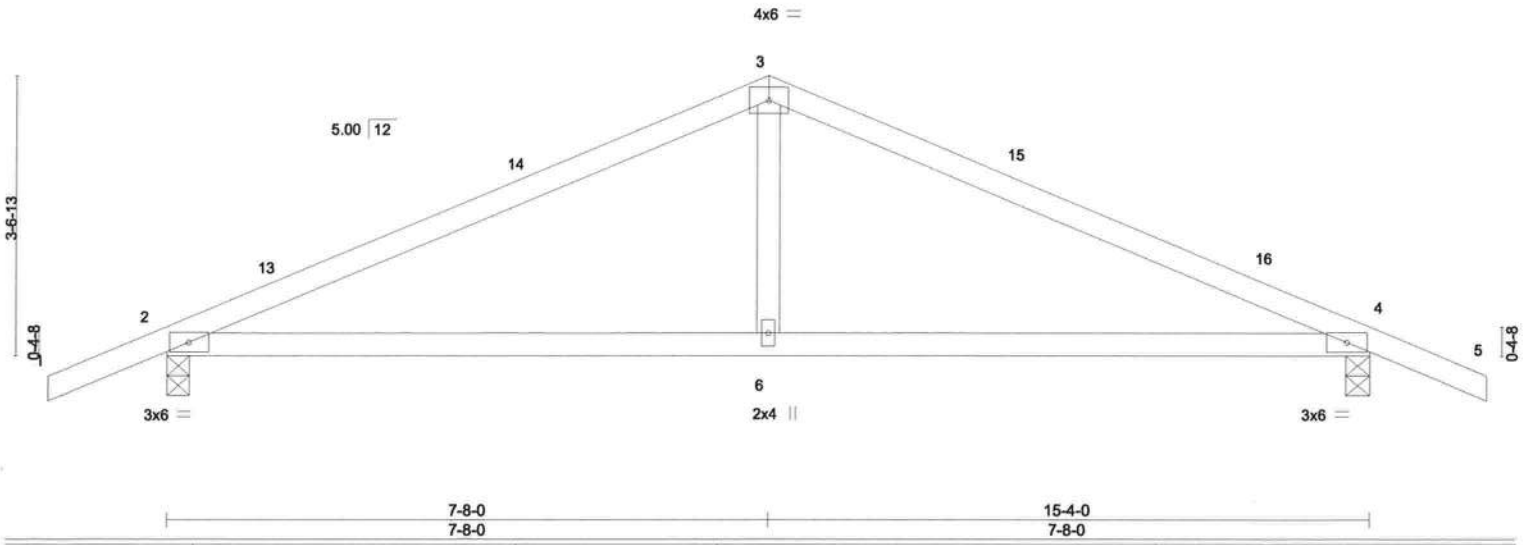
ID:ub_yh031H0hBlbYeMMTsO4zuVkt-FlZd2kGbQBQllASTPa3yyVU61IrR3pKUDOTuyeztqjW

-1-6-0 | 7-8-0 | 15-4-0 | 16-10-0
1-6-0 | 7-8-0 | 7-8-0 | 1-6-0

Scale = 1:29.4



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	0.74	Vert(LL)	-0.10	6-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.64	Vert(CT)	-0.20	6-9	>916	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.01	4	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 57 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-1-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=0-3-8, 4=0-3-8
Max Horz 2=61(LC 12)
Max Uplift 2=-171(LC 12), 4=-171(LC 13)
Max Grav 2=703(LC 1), 4=703(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-964/325, 3-4=-964/325
BOT CHORD 2-6=-188/817, 4-6=-188/817
WEBS 3-6=0/356

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 7-8-0, Exterior(2R) 7-8-0 to 10-8-0, Interior(1) 10-8-0 to 16-10-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
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=171, 4=171.

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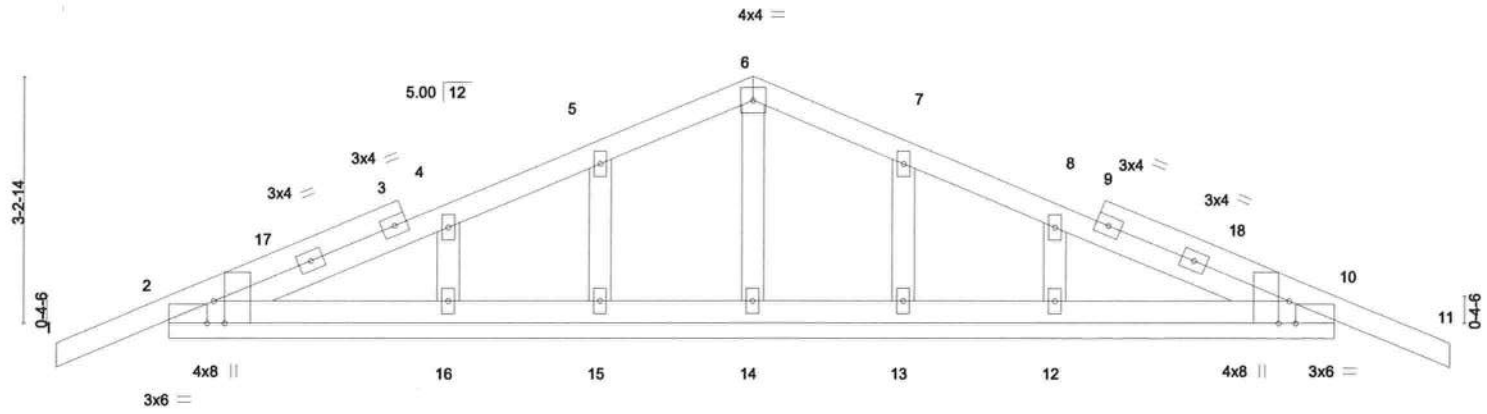
Job	Truss	Truss Type	Qty	Ply	EVANSTON CONT - AREA 36	T22511209
2564966	T25G	Common Supported Gable	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Jan 19 09:26:22 2021 Page 1
ID:ub_yh031H0hBlbYeMMTsO4zuVkt-jx70G3GEAVYcMK1fzHaBVj0QBiJJol3dS2DRU4ztqjV

-1-6-0 7-8-0 15-4-0 16-10-0
1-6-0 7-8-0 7-8-0 1-6-0

Scale = 1:30.4



15-4-0
15-4-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.14	Vert(LL)	-0.00	11	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.09	Vert(CT)	-0.01	11	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	10	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 73 lb	FT = 20%

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

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

REACTIONS. All bearings 15-4-0.
(lb) - Max Horz 2=56(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 2, 10, 15, 16, 13, 12
Max Grav All reactions 250 lb or less at joint(s) 2, 10, 14, 15, 16, 13, 12

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Corner(3E) -1-6-0 to 1-6-0, Exterior(2N) 1-6-0 to 7-8-0, Corner(3R) 7-8-0 to 10-8-0, Exterior(2N) 10-8-0 to 16-10-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 10, 15, 16, 13, 12.
11) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2, 10.

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Job	Truss	Truss Type	Qty	Ply	EVANSTON CONT - AREA 36	T22511210
2564966	T26	Common Girder	1	2	Job Reference (optional)	

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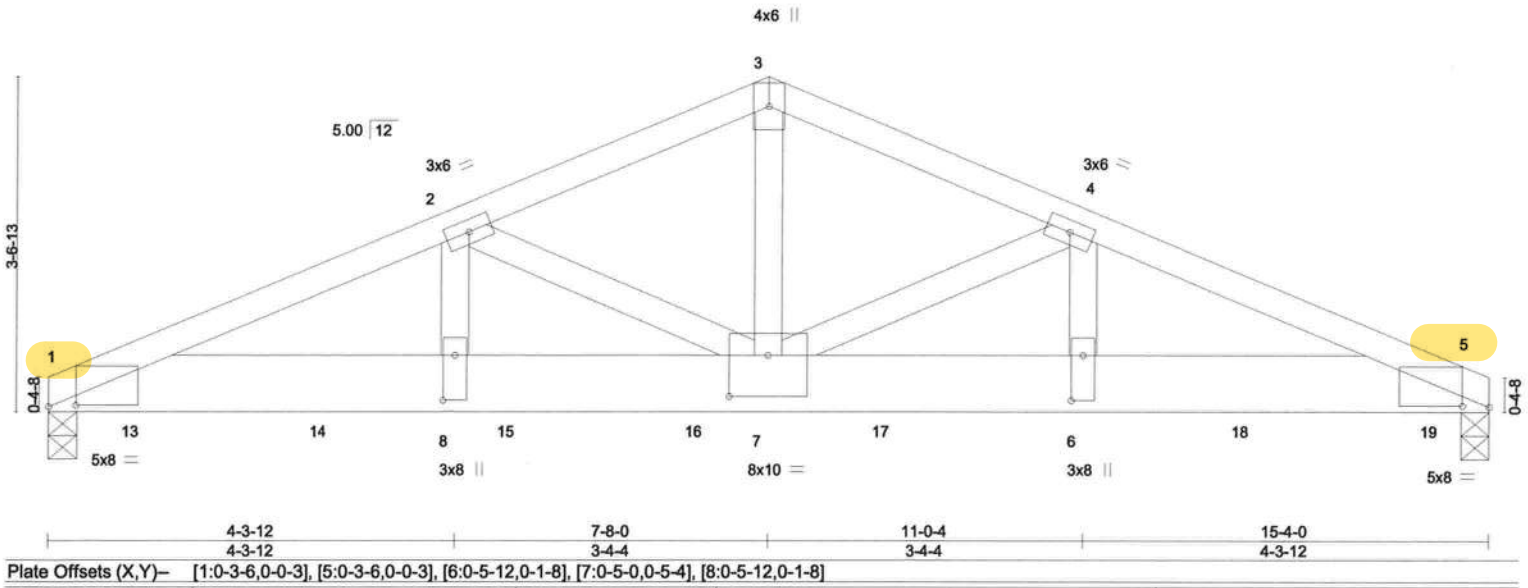
ID:ub_yh031H0hBlbYeMMTsO4zuVkt-fKFmgIIUi6oKceB25idfa86gFWw3G_9wvMiYYyztqjT

4-3-12	7-8-0	11-0-4	15-4-0
4-3-12	3-4-4	3-4-4	4-3-12

Scale = 1:24.6



4-3-12	7-8-0	11-0-4	15-4-0
4-3-12	3-4-4	3-4-4	4-3-12

Plate Offsets (X,Y)— [1:0-3-6,0-0-3], [5:0-3-6,0-0-3], [6:0-5-12,0-1-8], [7:0-5-0,0-5-4], [8:0-5-12,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.55	Vert(LL)	-0.10	7-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.39	Vert(CT)	-0.18	7-8	>986	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.90	Horz(CT)	0.03	5	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 180 lb	FT = 20%

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

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

REACTIONS. (size) 1=0-3-8, 5=0-3-8
Max Horz 1=50(LC 31)
Max Uplift 1=-1122(LC 8), 5=-950(LC 9)
Max Grav 1=5129(LC 2), 5=4025(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-9068/1991, 2-3=-6451/1436, 3-4=-6450/1437, 4-5=-7855/1806
BOT CHORD 1-8=-1844/8349, 7-8=-1844/8349, 6-7=-1622/7215, 5-6=-1622/7215
WEBS 3-7=-1021/4718, 4-7=-1537/448, 4-6=-261/1119, 2-7=-2717/640, 2-8=-416/2114

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-7-0 oc.
Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-6-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
5) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=1122, 5=950.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1268 lb down and 279 lb up at 0-11-4, 1266 lb down and 282 lb up at 2-11-4, 1266 lb down and 282 lb up at 4-11-4, 1266 lb down and 282 lb up at 6-11-4, 1266 lb down and 282 lb up at 8-11-4, 676 lb down and 199 lb up at 10-11-4, and 602 lb down and 157 lb up at 12-9-4, and 608 lb down and 151 lb up at 14-9-4 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

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LOAD CASE(S) Standard

Uniform Loads (plf)

Vert: 1-3=-60, 3-5=-60, 1-5=-20

Concentrated Loads (lb)

Vert: 6=-648(B) 13=-1169(B) 14=-1167(B) 15=-1167(B) 16=-1167(B) 17=-1167(B) 18=-602(B) 19=-608(B)

Job	Truss	Truss Type	Qty	Ply	EVANSTON CONT - AREA 36	T22511211
2564966	T27	Half Hip Girder	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Jan 19 09:26:25 2021 Page 1
ID:ub_yh031H0hBlbYeMMTsO4zuVkt-7Wp8u5J6TQwBDnmEeP8u6Leo6wB2?SE380R55PztqjS

-1-6-0 | 7-0-0 | 11-3-15 | 15-8-0
1-6-0 | 7-0-0 | 4-4-0 | 4-4-1

Scale = 1:28.5

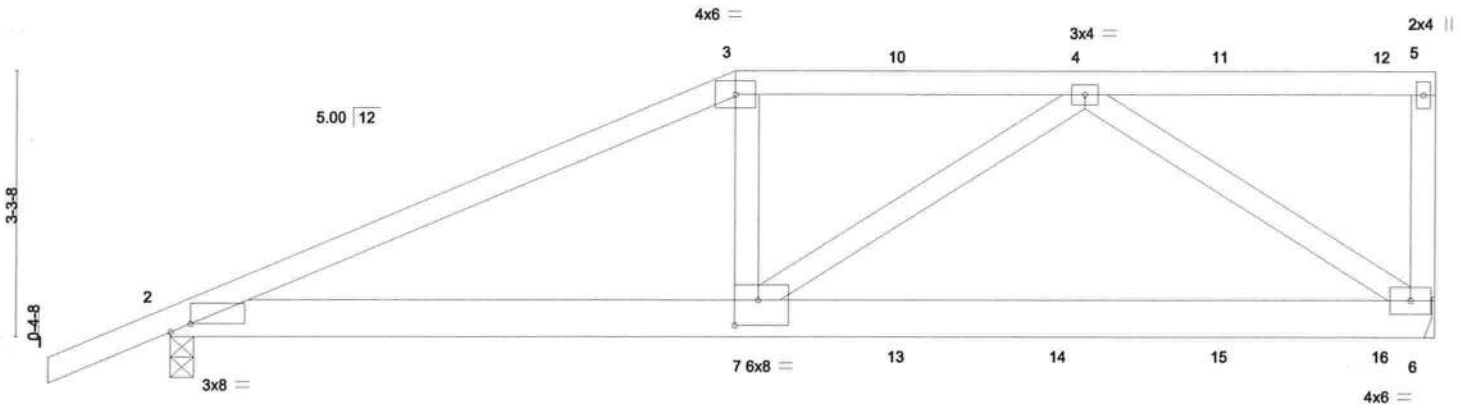

Plate Offsets (X,Y)— [2:0-3-0,Edge], [7:0-3-8,0-3-12]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.74	Vert(LL)	-0.10	6-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.72	Vert(CT)	-0.21	6-7	>880	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.85	Horz(CT)	0.03	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 85 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 3-0-1 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=0-3-8, 6=Mechanical
Max Horz 2=127(LC 23)
Max Uplift 2=-289(LC 8), 6=-348(LC 4)
Max Grav 2=1138(LC 1), 6=1441(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2174/468, 3-4=-1955/465, 5-6=-269/126
BOT CHORD 2-7=-467/1938, 6-7=-413/1417
WEBS 3-7=0/478, 4-7=-63/735, 4-6=-1657/501

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=289, 6=348.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 121 lb down and 95 lb up at 7-0-0, 121 lb down and 95 lb up at 9-0-12, 121 lb down and 89 lb up at 11-0-12, and 121 lb down and 95 lb up at 13-0-12, and 137 lb down and 92 lb up at 15-0-12 on top chord, and 354 lb down and 84 lb up at 7-0-0, 88 lb down at 9-0-12, 88 lb down at 11-0-12, and 88 lb down at 13-0-12, and 99 lb down at 15-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-60, 3-5=-60, 2-6=-20
Concentrated Loads (lb)
Vert: 3=-121(F) 7=-354(F) 4=-121(F) 10=-121(F) 11=-121(F) 12=-137(F) 13=-67(F) 14=-67(F) 15=-67(F) 16=-73(F)

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Job	Truss	Truss Type	Qty	Ply	EVANSTON CONT - AREA 36	T22511212
2564966	T28	Half Hip	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Jan 19 09:26:26 2021 Page 1
ID:ub_yh031H0hBlbYeMMTsO4zuVkt-ciNW5RJkEk22rxLRC7f7fZB?_JY8k2NDNgBfdrztqjR

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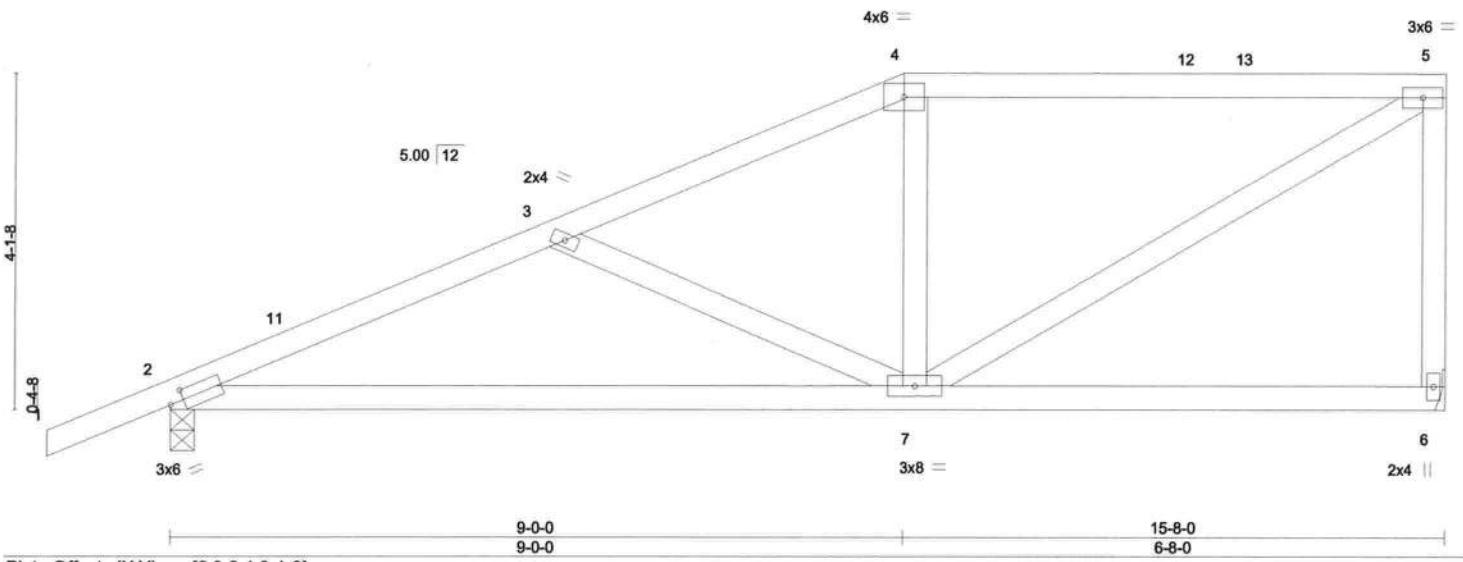
1-6-0 4-10-1 4-1-15 6-8-0

Scale = 1:28.3



9-0-0 15-8-0
9-0-0 6-8-0

Plate Offsets (X,Y)— [2:0-2-1,0-1-8]

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	0.60	Vert(LL)	-0.13	7-10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.67	Vert(CT)	-0.27	7-10	>699	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.28	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 78 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 5-3-11 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-7-10 oc bracing.

REACTIONS. (size) 6=Mechanical, 2=0-3-8
Max Horz 2=158(LC 12)
Max Uplift 6=-156(LC 8), 2=-187(LC 12)
Max Grav 6=616(LC 1), 2=715(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1095/298, 3-4=-760/186, 4-5=-653/202, 5-6=-567/214
BOT CHORD 2-7=-373/988
WEBS 3-7=-366/184, 5-7=-222/723

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 9-0-0, Exterior(2R) 9-0-0 to 13-2-15, Interior(1) 13-2-15 to 15-6-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=156, 2=187.

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Job	Truss	Truss Type	Qty	Ply	EVANSTON CONT - AREA 36	T22511213
2564966	T29	Half Hip	1	1	Job Reference (optional)	

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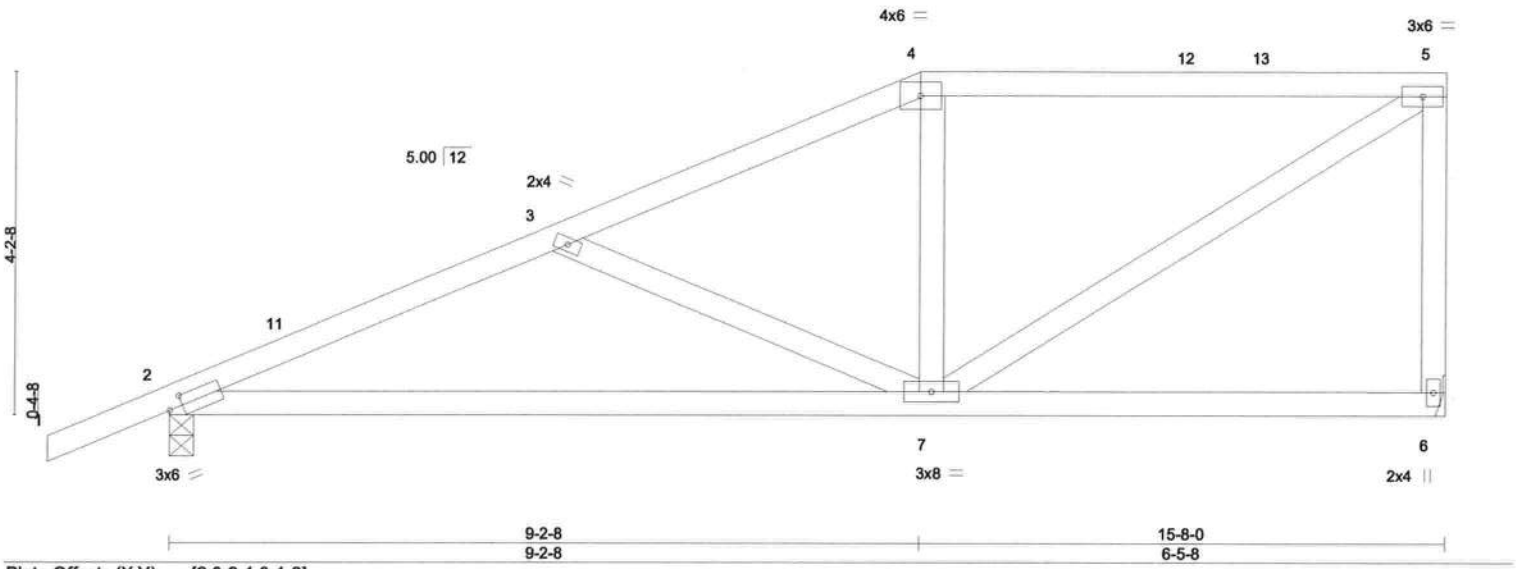
ID:ub_yh031H0hBIbYeMMTsO4zuVkt-4vxvJnKM?1BvT5wdmqAMCmkBQju5TVhMcKwC9HztqjQ

-1-6-0 4-10-9 9-2-8 15-8-0
1-6-0 4-10-9 4-3-15 6-5-8

Scale = 1:28.3



9-2-8 15-8-0
9-2-8 6-5-8

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.56	Vert(LL)	-0.14	7-10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.69	Vert(CT)	-0.29	7-10	>635	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.27	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 79 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 5-3-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-6-9 oc bracing.

REACTIONS. (size) 6=Mechanical, 2=0-3-8
Max Horz 2=161(LC 12)
Max Uplift 6=-155(LC 8), 2=-187(LC 12)
Max Grav 6=616(LC 1), 2=715(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1094/300, 3-4=-741/180, 4-5=-632/198, 5-6=-570/215
BOT CHORD 2-7=-379/988
WEBS 3-7=-386/194, 5-7=-221/714

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 9-2-8, Exterior(2R) 9-2-8 to 13-5-7, Interior(1) 13-5-7 to 15-6-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=155, 2=187.

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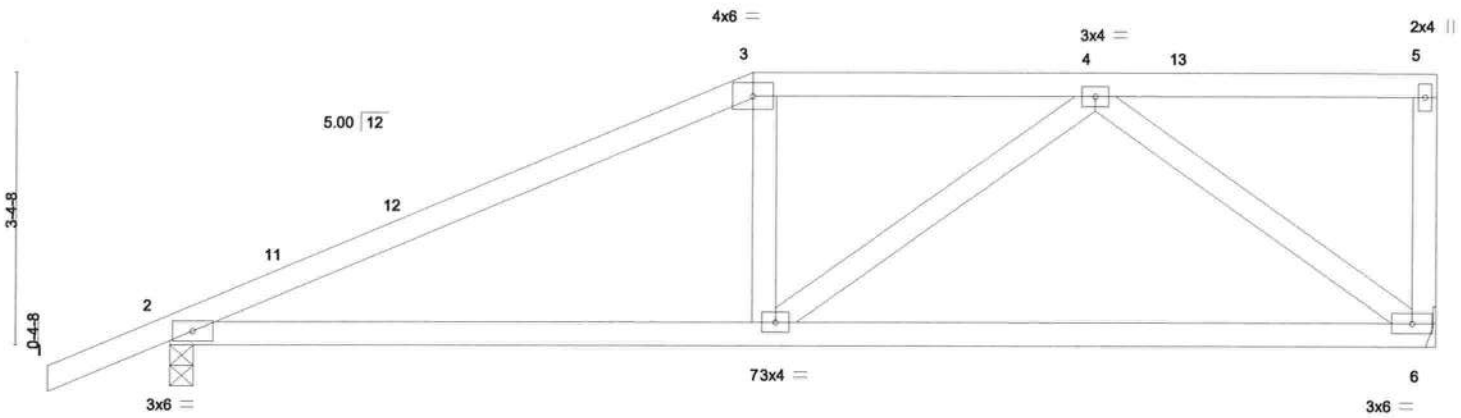
January 19,20

Job	Truss	Truss Type	Qty	Ply	EVANSTON CONT - AREA 36	T22511214
2564966	T30	Half Hip	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Jan 19 09:26:28 2021 Page 1
ID:ub_yh031H0hBlbYeMMTsO4zuVkt-Y5UHW7L_mLJm4FVpKYhbk_GKj7DjCxFWq_gmhkztqjP

-1-6-0	7-2-8	11-5-3	15-8-0
1-6-0	7-2-8	4-2-12	4-2-13

Scale = 1:28.5



7-2-8	15-8-0
7-2-8	8-5-8

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	0.65	Vert(LL)	-0.11	6-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.66	Vert(CT)	-0.22	6-7	>854	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.38	Horz(CT)	0.02	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 73 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 4-3-12 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=0-3-8, 6=Mechanical
Max Horz 2=130(LC 12)
Max Uplift 2=-190(LC 12), 6=-161(LC 8)
Max Grav 2=715(LC 1), 6=616(LC 1)

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

TOP CHORD	2-3=-998/231, 3-4=-851/257
BOT CHORD	2-7=-260/850, 6-7=-196/605
WEBS	4-7=-82/340, 4-6=-729/249

NOTES-

1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 7-2-8, Exterior(2R) 7-2-8 to 11-5-3, Interior(1) 11-5-3 to 15-6-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=190, 6=161.

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Job	Truss	Truss Type	Qty	Ply	EVANSTON CONT - AREA 36	T22511215
2564966	T31	Common	2	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Jan 19 09:26:28 2021 Page 1
ID:ub_yh031H0hBlbYeMMTsO4zuVkt-Y5UHW7L_mLJm4FVpKYhbk_GIz7DJC_?Wq_gmhkztqjP

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1-6-0 7-10-0 7-10-0

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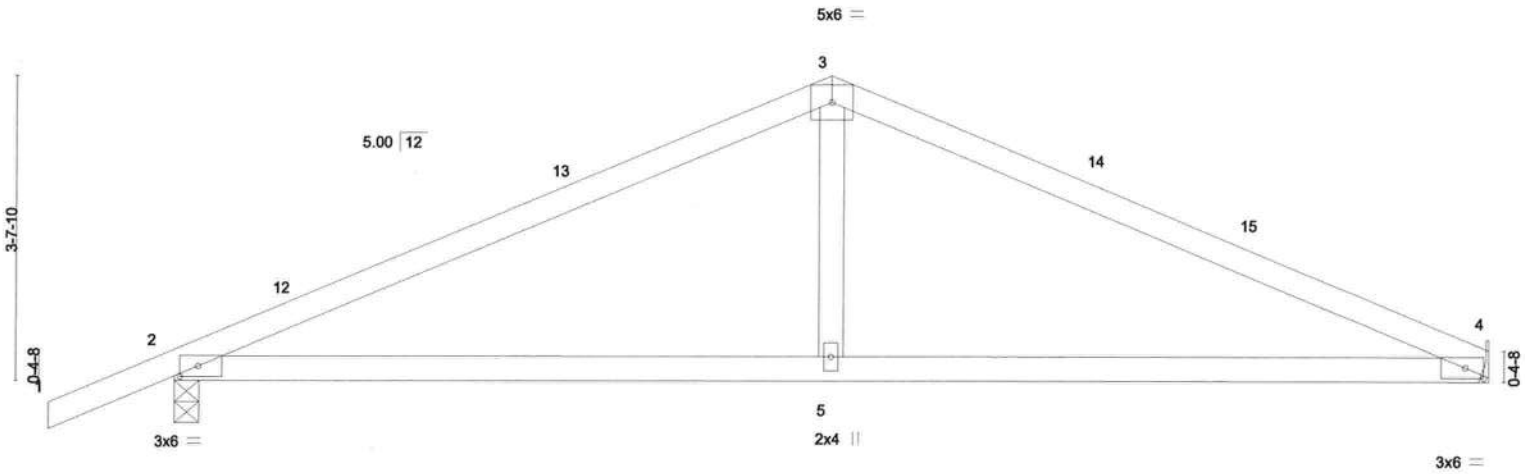

7-10-0 15-8-0
7-10-0 7-10-0

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

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	0.82	Vert(LL)	-0.13	5-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.69	Vert(CT)	-0.24	5-8	>772	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.01	4	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 56 lb	FT = 20%

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

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

REACTIONS. (size) 4=Mechanical, 2=0-3-8
Max Horz 2=71(LC 16)
Max Uplift 4=-137(LC 13), 2=-174(LC 12)
Max Grav 4=622(LC 1), 2=721(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1002/336, 3-4=-1001/345
BOT CHORD 2-5=-236/851, 4-5=-236/851
WEBS 3-5=-6/367

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 7-10-0, Exterior(2R) 7-10-0 to 10-10-0, Interior(1) 10-10-0 to 15-8-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 4=137, 2=174.

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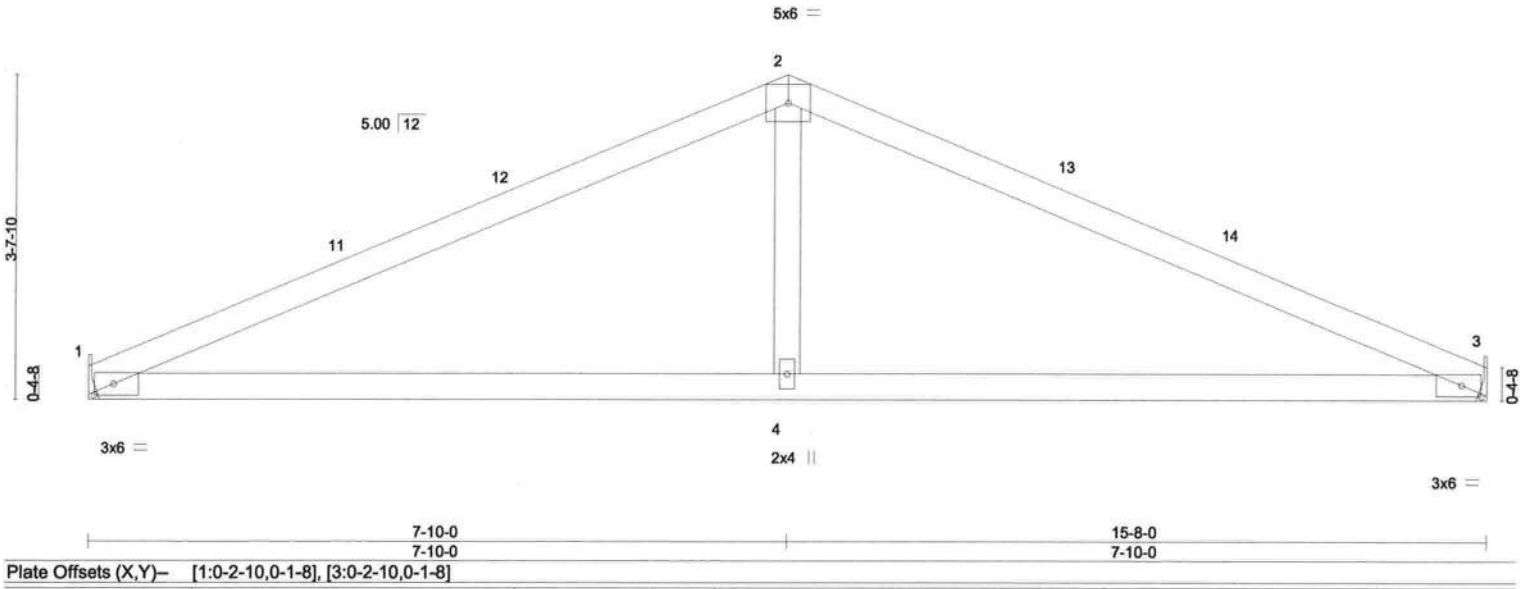
Job	Truss	Truss Type	Qty	Ply	EVANSTON CONT - AREA 36	T22511216
2564966	T32	Common	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Jan 19 09:26:29 2021 Page 1
ID:ub_yh031H0hBIbYeMMTsO4zuVkt-0H2fkTMdXfRdiP40tFCqHBpSlXZVxREf3ePJEAztqjO

7-10-0 / 7-10-0 | 15-8-0 / 7-10-0

Scale = 1:25.8



7-10-0 / 7-10-0 | 15-8-0 / 7-10-0

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

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	0.82	Vert(LL)	-0.13	4-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.69	Vert(CT)	-0.24	4-7	>779	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.01	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 53 lb	FT = 20%

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

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

REACTIONS. (size) 1=Mechanical, 3=Mechanical
Max Horz 1=52(LC 12)
Max Uplift 1=-138(LC 12), 3=-138(LC 13)
Max Grav 1=627(LC 1), 3=627(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1016/353, 2-3=-1016/353
BOT CHORD 1-4=-243/865, 3-4=-243/865
WEBS 2-4=-9/369

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 7-10-0, Exterior(2R) 7-10-0 to 10-10-0, Interior(1) 10-10-0 to 15-8-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=138, 3=138.

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Job	Truss	Truss Type	Qty	Ply	EVANSTON CONT - AREA 36	T22511217
2564966	T33	Common	5	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Jan 19 09:26:30 2021 Page 1
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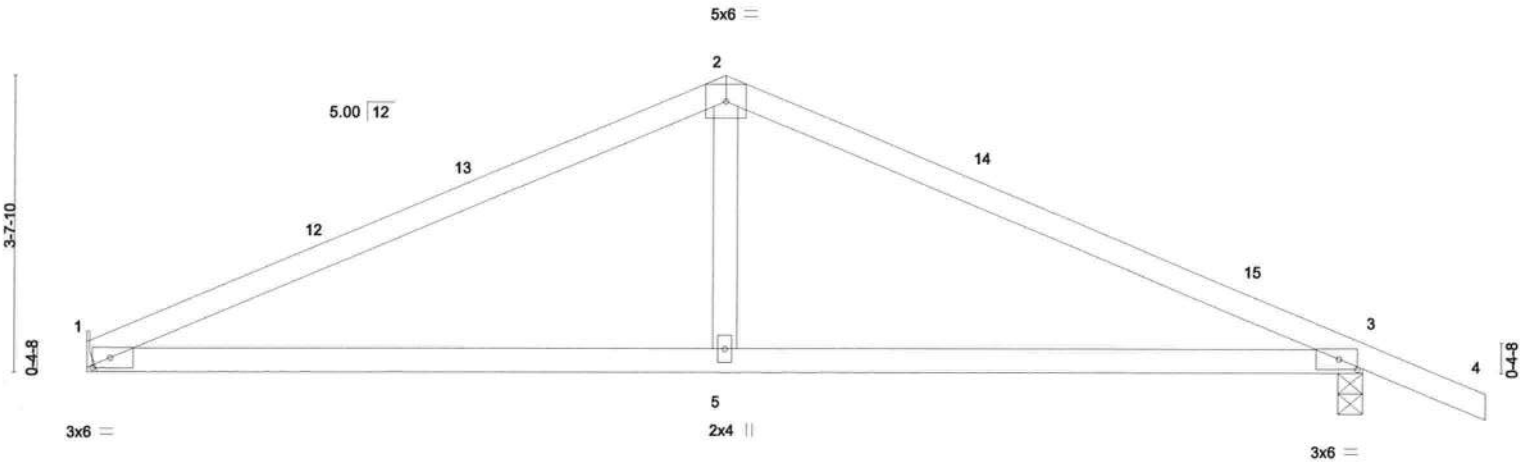
7-10-0 15-8-0 17-2-0
7-10-0 7-10-0 1-6-0

Scale = 1:28.3



7-10-0 15-8-0
7-10-0 7-10-0

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

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	0.82	Vert(LL)	-0.13	5-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.69	Vert(CT)	-0.24	5-8	>772	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.01	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 56 lb	FT = 20%

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

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

REACTIONS. (size) 1=Mechanical, 3=0-3-8
Max Horz 1=-71(LC 13)
Max Uplift 1=-137(LC 12), 3=-174(LC 13)
Max Grav 1=622(LC 1), 3=721(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1001/346, 2-3=-1002/336
BOT CHORD 1-5=-208/851, 3-5=-208/851
WEBS 2-5=-6/367

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 7-10-0, Exterior(2R) 7-10-0 to 10-10-0, Interior(1) 10-10-0 to 17-2-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=137, 3=174.

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Job	Truss	Truss Type	Qty	Ply	EVANSTON CONT - AREA 36	T22511218
2564966	T34	Common	4	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Jan 19 09:26:31 2021 Page 1
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1-6-0	7-10-0	7-10-0	1-6-0

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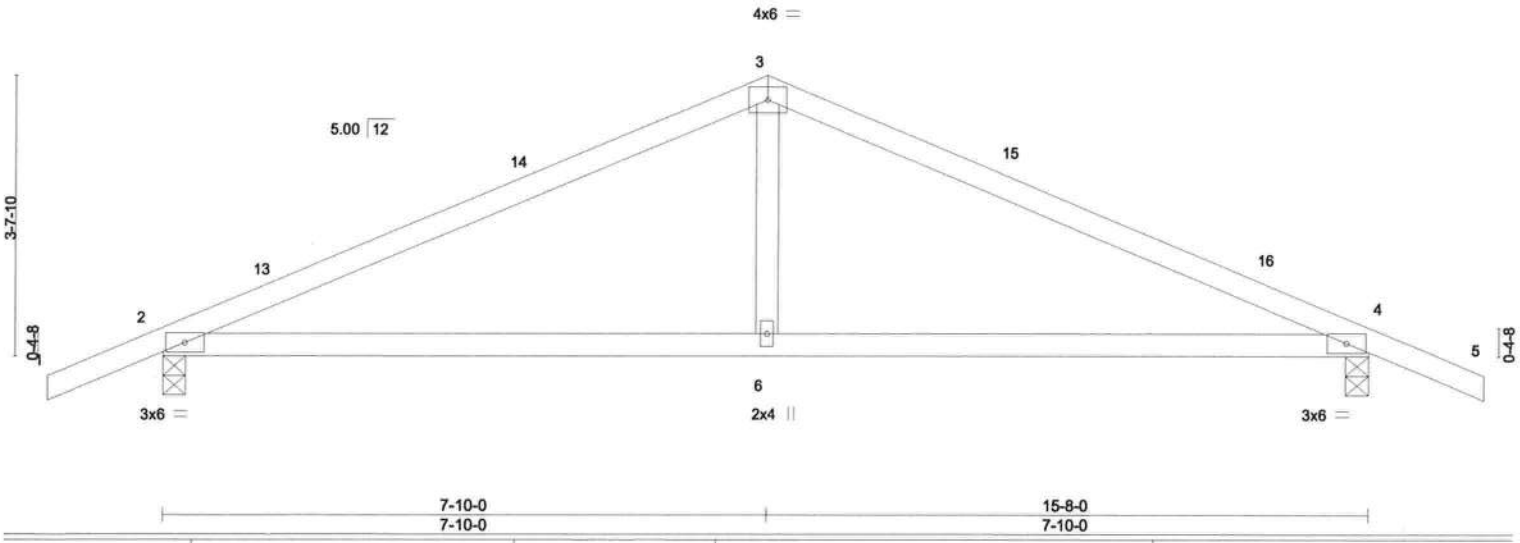

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.79	Vert(LL)	-0.11	6-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.67	Vert(CT)	-0.22	6-9	>859	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.01	4	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		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 3-7-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=0-3-8, 4=0-3-8
Max Horz 2=62(LC 12)
Max Uplift 2=-174(LC 12), 4=-174(LC 13)
Max Grav 2=717(LC 1), 4=717(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-987/328, 3-4=-987/328
BOT CHORD 2-6=-190/837, 4-6=-190/837
WEBS 3-6=0/365

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 7-10-0, Exterior(2R) 7-10-0 to 10-10-0, Interior(1) 10-10-0 to 17-2-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
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=174, 4=174.

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Job	Truss	Truss Type	Qty	Ply	EVANSTON CONT - AREA 36	T22511219
2564966	T35	Common	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Jan 19 09:26:32 2021 Page 1
ID:ub_yh031H0hBIbYeMMTsO4zuVkt-QskoMUOVqapBZsoaZNmXvqR7ZkjH8pA5lcezrVztqjL

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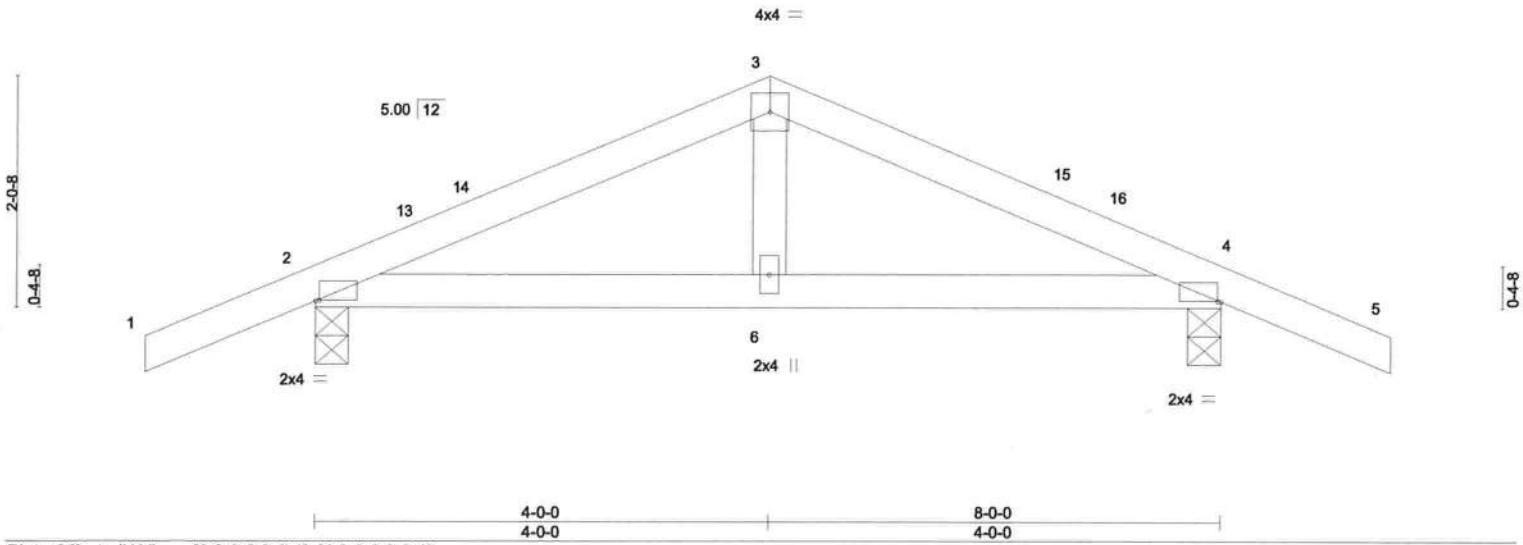
1-6-0 | 4-0-0 | 4-0-0 | 1-6-0

Scale = 1:20.3



4-0-0 | 8-0-0
4-0-0 | 4-0-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.15	Vert(LL)	-0.01	6-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.17	Vert(CT)	-0.02	6-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 32 lb	FT = 20%

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

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

REACTIONS. (size) 2=0-3-8, 4=0-3-8
Max Horz 2=36(LC 12)
Max Uplift 2=-107(LC 12), 4=-107(LC 13)
Max Grav 2=410(LC 1), 4=410(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-443/230, 3-4=-443/230
BOT CHORD 2-6=-112/373, 4-6=-112/373

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 4-0-0, Exterior(2R) 4-0-0 to 7-0-0, Interior(1) 7-0-0 to 9-6-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
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=107, 4=107.

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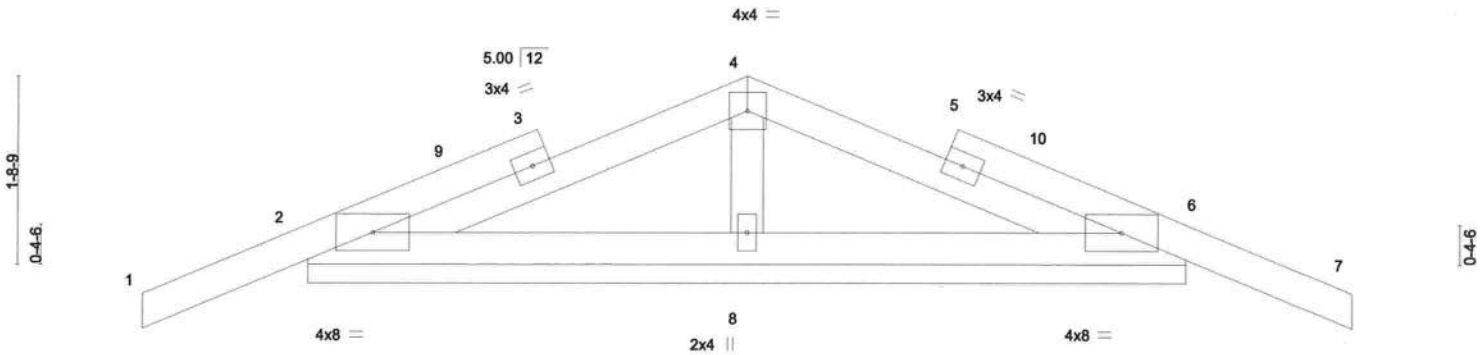
Job	Truss	Truss Type	Qty	Ply	EVANSTON CONT - AREA 36	T22511220
2564966	T35G	Common Supported Gable	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Jan 19 09:26:32 2021 Page 1
ID:ub_yh031H0hBlbYeMMTsO4zuVkt-QskoMUOVqapBZsoaZNmXvqR79kjp8p25lcezrVztqjL

-1-6-0 | 4-0-0 | 8-0-0 | 9-6-0
1-6-0 | 4-0-0 | 4-0-0 | 1-6-0

Scale = 1:21.0



8-0-0
8-0-0

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.17	Vert(LL)	0.00	6	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.14	Vert(CT)	0.00	7	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 36 lb	FT = 20%

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

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

REACTIONS. (size) 2=8-0-0, 6=8-0-0, 8=8-0-0
Max Horz 2=-31(LC 13)
Max Uplift 2=-74(LC 8), 6=-79(LC 13), 8=-69(LC 12)
Max Grav 2=231(LC 23), 6=231(LC 24), 8=384(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 4-8=-285/245

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Corner(3E) -1-6-0 to 1-6-0, Exterior(2N) 1-6-0 to 4-0-0, Corner(3R) 4-0-0 to 7-0-0, Exterior(2N) 7-0-0 to 9-6-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6, 8.

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Job	Truss	Truss Type	Qty	Ply	EVANSTON CONT - AREA 36	T22511221
2564966	T36	COMMON GIRDER	1	1	Job Reference (optional)	

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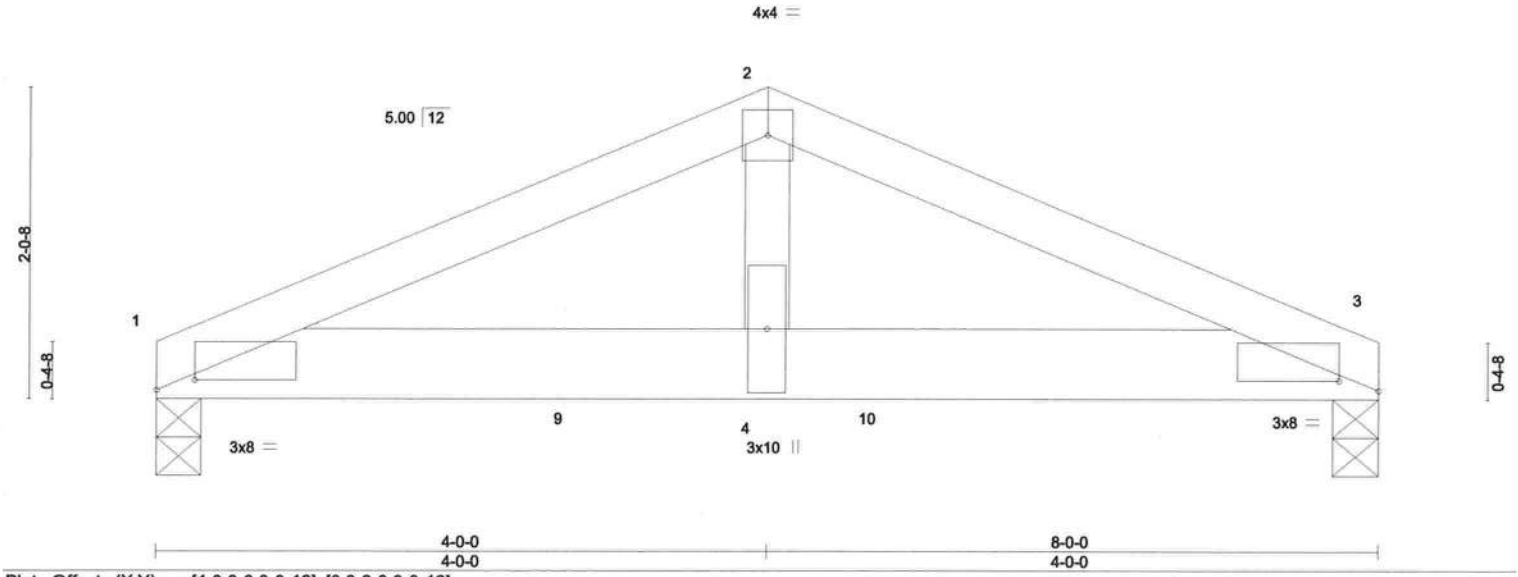
ID:ub_yh031H0hBIbYeMMTsO4zuVkt-u3IAZqP7btx2B0Nn65HmR1_EF8uMt9QF_GNWNxztqjK

4-0-0 8-0-0
4-0-0 4-0-0

Scale = 1:15.1



4-0-0 8-0-0
4-0-0 4-0-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.41	Vert(LL)	-0.04	4-6	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.89	Vert(CT)	-0.08	4-6	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.58	Horz(CT)	0.02	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 34 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 3-5-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=0-3-8, 3=0-3-8
Max Horz 1=26(LC 27)
Max Uplift 1=-365(LC 8), 3=-349(LC 9)
Max Grav 1=1562(LC 1), 3=1494(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2339/542, 2-3=-2342/542
BOT CHORD 1-4=-478/2152, 3-4=-478/2152
WEBS 2-4=-329/1511

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
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) 1=365, 3=349.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 605 lb down and 155 lb up at 0-9-4, 602 lb down and 157 lb up at 2-9-4, and 602 lb down and 157 lb up at 4-9-4, and 607 lb down and 158 lb up at 6-9-4 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: 1-2=-60, 2-3=-60, 1-3=-20
Concentrated Loads (lb)
Vert: 6=-605(B) 8=-607(B) 9=-602(B) 10=-602(B)

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Job	Truss	Truss Type	Qty	Ply	EVANSTON CONT - AREA 36	T22511222
2564966	T37	Hip Girder	1	2	Job Reference (optional)	

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ID:ub_yh031H0hBlbYeMMTsO4zuVkt-nqXhPCSee6RUgdhYLxMibt8p?lKopvpqvuLkWiztqjG

3-8-14	6-1-13	8-5-0	10-8-3	13-1-2	16-10-0
3-8-14	2-4-15	2-3-3	2-3-3	2-4-15	3-8-14

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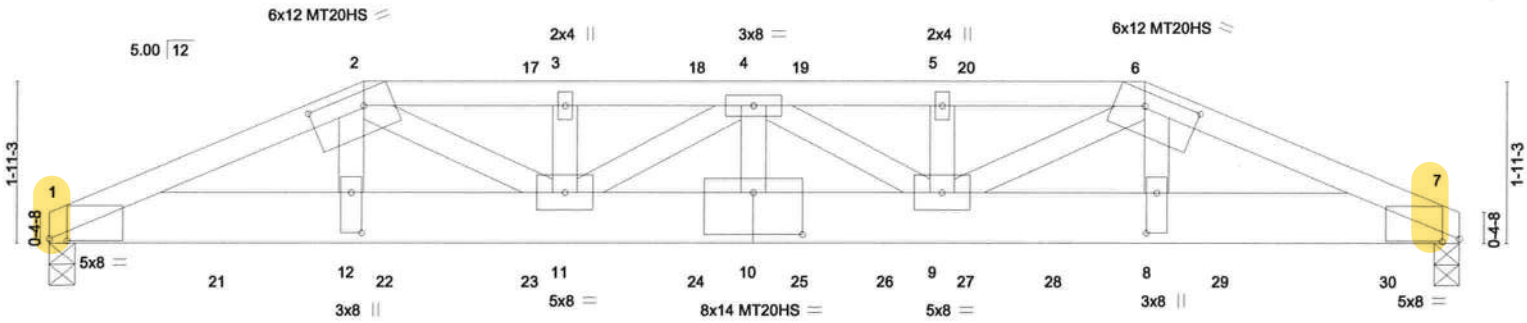

3-8-14	6-1-13	8-5-0	10-8-3	13-1-2	16-10-0
3-8-14	2-4-15	2-3-3	2-3-3	2-4-15	3-8-14

Plate Offsets (X,Y)– [1:0-2-6,0-0-5], [2:0-7-12,0-2-0], [6:0-7-12,0-2-0], [7:0-2-6,0-0-5], [8:0-5-12,0-1-8], [10:0-7-0,0-6-0], [12:0-5-12,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.87	Vert(LL)	-0.23	10	>846	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.54	Vert(CT)	-0.44	10	>449	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.74	Horz(CT)	0.06	7	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 200 lb	FT = 20%

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

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

REACTIONS. (size) 1=0-3-8, 7=0-3-8 (req. 0-3-10)
Max Horz 1=-24(LC 28)
Max Uplift 1=-1202(LC 8), 7=-1350(LC 9)
Max Grav 1=5436(LC 2), 7=6147(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-12098/2671, 2-3=-14187/3158, 3-4=-14187/3158, 4-5=-14028/3125, 5-6=-14028/3125, 6-7=-11996/2649
BOT CHORD 1-12=-2444/11129, 11-12=-2395/10889, 10-11=-3563/16119, 9-10=-3563/16119, 8-9=-2363/10798, 7-8=-2411/11038
WEBS 2-12=-502/2459, 2-11=-868/3900, 4-11=-2320/546, 4-10=-478/2334, 4-9=-2510/585, 6-9=-851/3820, 6-8=-502/2456

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-4-0 oc.
Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-4-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc, Except member 3-11 2x4 - 1 row at 0-3-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
5) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
6) Provide adequate drainage to prevent water ponding.
7) All plates are MT20 plates unless otherwise indicated.
8) The Fabrication Tolerance at joint 6 = 16%, joint 2 = 16%
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
11) WARNING: Required bearing size at joint(s) 7 greater than input bearing size.
12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=1202, 7=1350.

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NOTES-

13) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 46 lb down and 50 lb up at 3-8-14, 40 lb down and 50 lb up at 5-9-10, 40 lb down and 47 lb up at 7-9-10, 40 lb down and 47 lb up at 9-0-6, and 40 lb down and 50 lb up at 11-0-6, and 46 lb down and 50 lb up at 13-1-2 on top chord, and 1266 lb down and 282 lb up at 2-0-12, 86 lb down at 3-8-14, 1266 lb down and 282 lb up at 4-0-12, 29 lb down at 5-9-10, 1266 lb down and 282 lb up at 6-0-12, 29 lb down at 7-9-10, 1266 lb down and 282 lb up at 8-0-12, 29 lb down at 9-0-6, 1266 lb down and 282 lb up at 10-0-12, 29 lb down at 11-0-6, 1264 lb down and 281 lb up at 12-0-12, 86 lb down at 13-0-6, and 1264 lb down and 281 lb up at 14-0-12, and 1268 lb down and 277 lb up at 16-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-2=-60, 2-6=-60, 6-7=-60, 1-7=-20
   Concentrated Loads (lb)
   Vert: 6=-28(F) 12=-43(F) 2=-28(F) 8=-43(F) 17=-28(F) 18=-28(F) 19=-28(F) 20=-28(F) 21=-1167(B) 22=-1167(B) 23=-1188(F=-21, B=-1167) 24=-1188(F=-21, B=-1167) 25=-21(F) 26=-1167(B) 27=-21(F) 28=-1164(B) 29=-1164(B) 30=-1168(B)

Job	Truss	Truss Type	Qty	Ply	EVANSTON CONT - AREA 36	
2564966	TFG01	FLOOR	1	3	Job Reference (optional)	T22511223

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ID:ub_yh031H0hBlbYeMMTsO4zuVkt-F053cYTGPQZLHnGkvetx85h4z9ilYLl_7Y5H28ztqjF

2-6-3	4-10-10	7-3-1	9-7-7	11-11-14	14-4-5	16-10-8
2-6-3	2-4-7	2-4-7	2-4-7	2-4-7	2-4-7	2-6-3

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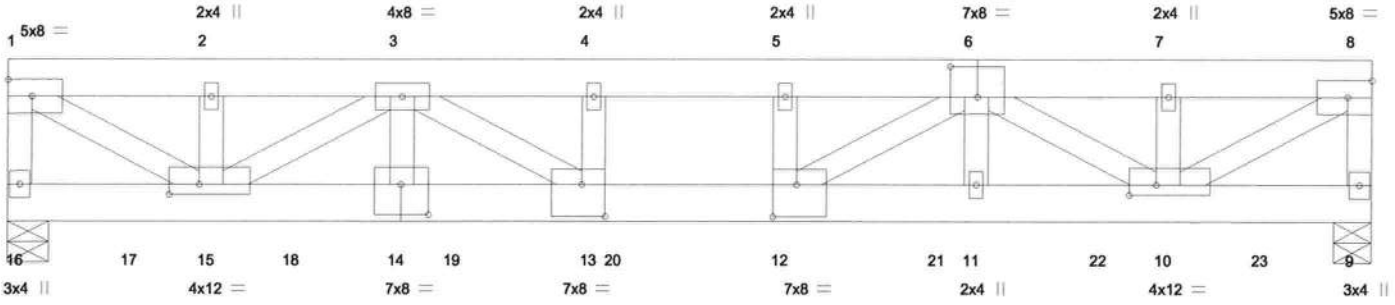

2-6-3	4-10-10	7-3-1	9-7-7	11-11-14	14-4-5	16-10-8
2-6-3	2-4-7	2-4-7	2-4-7	2-4-7	2-4-7	2-6-3

Plate Offsets (X,Y)-- [6:0-4-0,0-4-8], [10:0-4-0,0-1-8], [12:0-3-8,0-4-12], [13:0-3-8,0-4-12], [14:0-4-0,0-4-8], [15:0-4-8,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.47	Vert(LL)	-0.14	12-13	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.00	BC	0.39	Vert(CT)	-0.23	12-13	>871	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.83	Horz(CT)	0.04	9	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 338 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP M 26
WEBS 2x4 SP No.3 *Except*
1-15,3-15,3-13,6-12,6-10,8-10: 2x4 SP No.2

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

REACTIONS. (size) 16=0-6-0, 9=0-5-8
Max Grav 16=8885(LC 1), 9=5887(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-16=-4798/0, 1-2=-7155/0, 2-3=-7155/0, 3-4=-15017/0, 4-5=-15017/0, 5-6=-15017/0, 6-7=-7643/0, 7-8=-7643/0, 8-9=-5121/0
BOT CHORD 15-16=0/251, 14-15=0/12294, 13-14=0/12287, 12-13=0/15017, 11-12=0/12885, 10-11=0/12876, 9-10=0/278
WEBS 1-15=0/8237, 3-15=-6131/0, 3-14=0/1281, 3-13=0/3454, 4-13=-283/0, 6-12=0/2737, 6-11=0/1667, 6-10=-6250/0, 8-10=0/8788

NOTES-
1) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-5-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc, Except member 4-13 2x4 - 2 rows staggered at 0-4-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced floor live loads have been considered for this design.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
5) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 3535 lb down at 0-1-12, 1000 lb down at 1-6-12, 1000 lb down at 3-6-12, 1000 lb down at 5-6-12, 1216 lb down at 7-6-12, 1216 lb down at 9-6-12, 1216 lb down at 11-6-12, and 1216 lb down at 13-6-12, and 1216 lb down at 15-6-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-8=-110, 9-16=-20
Concentrated Loads (lb)
Vert: 16=-3535(B) 12=-1216(F) 17=-1000(F) 18=-1000(F) 19=-1000(F) 20=-1216(F) 21=-1216(F) 22=-1216(F) 23=-1216(F)

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Job	Truss	Truss Type	Qty	Ply	EVANSTON CONT - AREA 36	T22511224
2564966	TFG02	FLOOR	1	3	Job Reference (optional)	

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ID:ub_yh031H0hBIbYeMMTsO4zuVkt-jCfRqtTuAjhCvxrxTMOAhIDIVZ_nHnl7MCqrabztqjE

2-3-11	4-5-9	6-7-8	8-9-7	10-11-5	13-3-0
2-3-11	2-1-15	2-1-15	2-1-15	2-1-15	2-3-11

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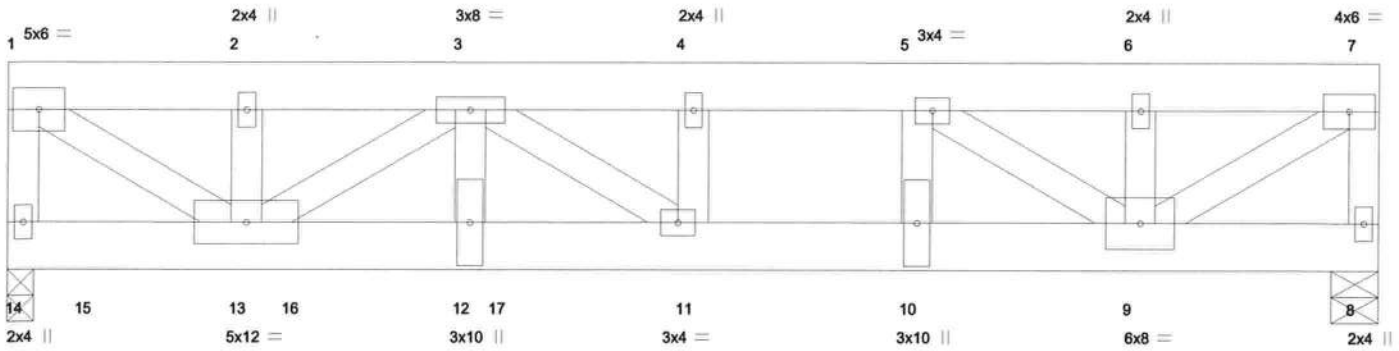

2-3-11	4-5-9	6-7-8	8-9-7	10-11-5	13-3-0
2-3-11	2-1-15	2-1-15	2-1-15	2-1-15	2-3-11

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.29	Vert(LL)	-0.07	11	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.00	BC	0.69	Vert(CT)	-0.11	11-12	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.87	Horz(CT)	0.02	8	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 268 lb	FT = 20%

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

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

REACTIONS. (size) 14=0-3-0, 8=0-5-8
Max Grav 14=4227(LC 1), 8=3459(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-14=-3447/0, 1-2=-4651/0, 2-3=-4651/0, 3-4=-7761/0, 4-5=-7761/0, 5-6=-4337/0, 6-7=-4337/0, 7-8=-3255/0
BOT CHORD 12-13=0/7507, 11-12=0/7507, 10-11=0/7761, 9-10=0/7761
WEBS 1-13=0/5484, 3-13=-3508/0, 3-12=0/1373, 3-11=0/521, 4-11=0/457, 5-10=0/1627, 5-9=-4213/0, 6-9=0/321, 7-9=0/5141

NOTES-
1) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-6-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc, Except member 3-12 2x4 - 2 rows staggered at 0-7-0 oc, member 4-11 2x4 - 2 rows staggered at 0-7-0 oc, member 5-10 2x4 - 2 rows staggered at 0-7-0 oc, member 6-9 2x4 - 2 rows staggered at 0-7-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced floor live loads have been considered for this design.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
5) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1003 lb down at 0-9-12, 1000 lb down at 2-9-12, 1000 lb down at 4-9-12, 1000 lb down at 6-9-12, and 1000 lb down at 8-9-12, and 1000 lb down at 10-9-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-7=-110, 8-14=-20
Concentrated Loads (lb)
Vert: 11=-1000(F) 10=-1000(F) 9=-1000(F) 15=-1003(F) 16=-1000(F) 17=-1000(F)

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Date:

January 19,20

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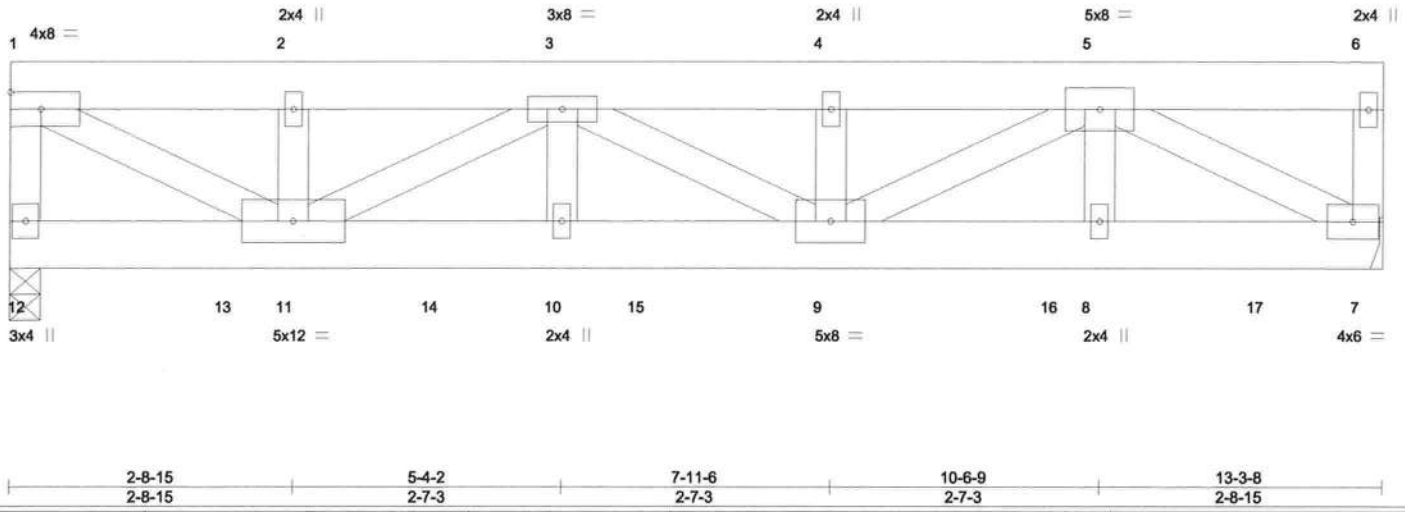
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	EVANSTON CONT - AREA 30	
2564966	TFG03	FLOOR	1	2	Job Reference (optional)	T22511225

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.430 s Nov 30 2020 MiTek Industries, Inc. Tue Jan 19 09:26:40 2021 Page 1
ID:ub_yh031H0hBlbYeMMTsO4zuVkt-BPDp1DUWx1p3X5P713vPDWmR2zP80GgHbsaO71ztqjD

2-8-15	5-4-2	7-11-6	10-6-9	13-3-8
2-8-15	2-7-3	2-7-3	2-7-3	2-8-15

Scale = 1:22.4



2-8-15	5-4-2	7-11-6	10-6-9	13-3-8
2-8-15	2-7-3	2-7-3	2-7-3	2-8-15

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.43	Vert(LL)	-0.08	9-10	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.00	BC	0.37	Vert(CT)	-0.12	9-10	>999	240		
BCLL	0.0	Rep Stress Incr	NO	WB	0.73	Horz(CT)	0.02	7	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 181 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP M 26
WEBS 2x4 SP No.3 *Except*
1-11,3-11,3-9,5-9,5-7: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-8-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 12=0-3-8, 7=Mechanical
Max Grav 12=3186(LC 1), 7=3548(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-12=-2903/0, 1-2=-4643/0, 2-3=-4643/0, 3-4=-7075/0, 4-5=-7075/0
BOT CHORD 10-11=0/7172, 9-10=0/7172, 8-9=0/4771, 7-8=0/4771
WEBS 1-11=0/5205, 3-11=-2940/0, 3-10=0/1209, 5-9=0/2679, 5-8=0/1113, 5-7=-5344/0

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Refer to girder(s) for truss to truss connections.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
5) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 841 lb down at 2-1-12, 841 lb down at 4-1-12, 841 lb down at 6-1-12, 841 lb down at 8-1-12, and 841 lb down at 10-1-12, and 841 lb down at 12-1-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-6=-110, 7-12=-20
Concentrated Loads (lb)
Vert: 9=-841(F) 13=-841(F) 14=-841(F) 15=-841(F) 16=-841(F) 17=-841(F)

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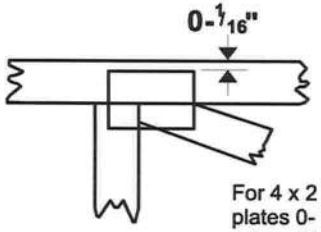
Symbols

PLATE LOCATION AND ORIENTATION

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



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

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

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

PLATE SIZE

4 x 4

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

LATERAL BRACING LOCATION

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

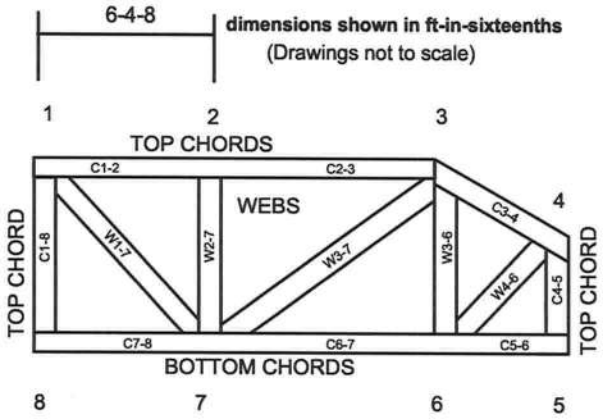
BEARING

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

Industry Standards:

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

Numbering System



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

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

PRODUCT CODE APPROVALS

ICC-ES Reports:

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

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

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

MiTek®

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

⚠ General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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