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

Need To Scan

RE: 2432497 -

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

Site Information:
Customer Info: Slay Res. Project Name: Slay Res. Model: Custom
Lot/Block: TBD Subdivision: Country Club
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: FBC2017/TPI2014 Design Program: MiTek 20/20 8.2
Wind Code: ASCE 7-10 Wind Speed: 130 mph
Roof Load: 60.0 psf Floor Load: 60.0 psf

This package includes 152 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	T20988923	CJ01	8/11/20	23	T20988945	CJ07C	8/11/20
2	T20988924	CJ02	8/11/20	24	T20988946	CJ07G	8/11/20
3	T20988925	CJ03	8/11/20	25	T20988947	CJ07U	8/11/20
4	T20988926	CJ03A	8/11/20	26	T20988948	CJ07UA	8/11/20
5	T20988927	CJ03U	8/11/20	27	T20988949	CJ07UB	8/11/20
6	T20988928	CJ03UA	8/11/20	28	T20988950	CJ07UC	8/11/20
7	T20988929	CJ03UB	8/11/20	29	T20988951	CJ07UD	8/11/20
8	T20988930	CJ04	8/11/20	30	T20988952	CJ09U	8/11/20
9	T20988931	CJ05	8/11/20	31	T20988953	CJ09UB	8/11/20
10	T20988932	CJ05A	8/11/20	32	T20988954	CJ09UC	8/11/20
11	T20988933	CJ05B	8/11/20	33	T20988955	EJ01	8/11/20
12	T20988934	CJ05C	8/11/20	34	T20988956	EJ02	8/11/20
13	T20988935	CJ05D	8/11/20	35	T20988957	EJ03	8/11/20
14	T20988936	CJ05E	8/11/20	36	T20988958	EJ04	8/11/20
15	T20988937	CJ05U	8/11/20	37	T20988959	EJ05	8/11/20
16	T20988938	CJ05UA	8/11/20	38	T20988960	EJ06	8/11/20
17	T20988939	CJ05UB	8/11/20	39	T20988961	EJ07	8/11/20
18	T20988940	CJ05UC	8/11/20	40	T20988962	EJ08	8/11/20
19	T20988941	CJ05UD	8/11/20	41	T20988963	EJ09	8/11/20
20	T20988942	CJ07	8/11/20	42	T20988964	F01	8/11/20
21	T20988943	CJ07A	8/11/20	43	T20988965	F02	8/11/20
22	T20988944	CJ07B	8/11/20	44	T20988966	F03	8/11/20

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

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

Walter P. Finn PE No.22839
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
August 11,2020

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

RE: 2432497 -

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

Site Information:

Customer Info: Slay Res. Project Name: Slay Res. Model: Custom
Lot/Block: TBD Subdivision: Country Club
Address: TBD, TBD
City: Columbia Cty State: FL

No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
45	T20988967	F04	8/11/20	102	T20989024	T34	8/11/20
46	T20988968	F05	8/11/20	103	T20989025	T35	8/11/20
47	T20988969	F06	8/11/20	104	T20989026	T36	8/11/20
48	T20988970	F07	8/11/20	105	T20989027	T37	8/11/20
49	T20988971	F08	8/11/20	106	T20989028	T38	8/11/20
50	T20988972	HJ04	8/11/20	107	T20989029	T39	8/11/20
51	T20988973	HJ06	8/11/20	108	T20989030	T40	8/11/20
52	T20988974	HJ06A	8/11/20	109	T20989031	T41	8/11/20
53	T20988975	HJ07	8/11/20	110	T20989032	T42	8/11/20
54	T20988976	HJ08	8/11/20	111	T20989033	T43	8/11/20
55	T20988977	HJ10	8/11/20	112	T20989034	T44	8/11/20
56	T20988978	HJ12	8/11/20	113	T20989035	T45	8/11/20
57	T20988979	HJ13	8/11/20	114	T20989036	T48	8/11/20
58	T20988980	HJ13A	8/11/20	115	T20989037	T49	8/11/20
59	T20988981	HJ13B	8/11/20	116	T20989038	T50	8/11/20
60	T20988982	HJ13C	8/11/20	117	T20989039	T51	8/11/20
61	T20988983	HJ14	8/11/20	118	T20989040	T52	8/11/20
62	T20988984	HJ14A	8/11/20	119	T20989041	T53	8/11/20
63	T20988985	PB01	8/11/20	120	T20989042	T54	8/11/20
64	T20988986	PB02	8/11/20	121	T20989043	T55	8/11/20
65	T20988987	PB03	8/11/20	122	T20989044	T56	8/11/20
66	T20988988	PB04	8/11/20	123	T20989045	T58	8/11/20
67	T20988989	PB05	8/11/20	124	T20989046	T59	8/11/20
68	T20988990	PB06	8/11/20	125	T20989047	T60	8/11/20
69	T20988991	T01	8/11/20	126	T20989048	T61	8/11/20
70	T20988992	T02	8/11/20	127	T20989049	T62	8/11/20
71	T20988993	T03	8/11/20	128	T20989050	T63	8/11/20
72	T20988994	T04	8/11/20	129	T20989051	T64	8/11/20
73	T20988995	T05	8/11/20	130	T20989052	T65	8/11/20
74	T20988996	T06	8/11/20	131	T20989053	T66	8/11/20
75	T20988997	T07	8/11/20	132	T20989054	T67	8/11/20
76	T20988998	T08	8/11/20	133	T20989055	T68	8/11/20
77	T20988999	T09	8/11/20	134	T20989056	T69	8/11/20
78	T20989000	T10	8/11/20	135	T20989057	T70	8/11/20
79	T20989001	T11	8/11/20	136	T20989058	T71	8/11/20
80	T20989002	T12	8/11/20	137	T20989059	T72	8/11/20
81	T20989003	T13	8/11/20	138	T20989060	T73	8/11/20
82	T20989004	T14	8/11/20	139	T20989061	T74	8/11/20
83	T20989005	T15	8/11/20	140	T20989062	T76	8/11/20
84	T20989006	T16	8/11/20	141	T20989063	T77	8/11/20
85	T20989007	T17	8/11/20	142	T20989064	T78	8/11/20
86	T20989008	T18	8/11/20	143	T20989065	T79	8/11/20
87	T20989009	T19	8/11/20	144	T20989066	T80	8/11/20
88	T20989010	T20	8/11/20	145	T20989067	T81	8/11/20
89	T20989011	T21	8/11/20	146	T20989068	T82	8/11/20
90	T20989012	T22	8/11/20	147	T20989069	T83	8/11/20
91	T20989013	T23	8/11/20	148	T20989070	T84	8/11/20
92	T20989014	T24	8/11/20	149	T20989071	T85	8/11/20
93	T20989015	T25	8/11/20	150	T20989072	T86	8/11/20
94	T20989016	T26	8/11/20	151	T20989073	T87	8/11/20
95	T20989017	T27	8/11/20	152	T20989074	T88	8/11/20
96	T20989018	T28	8/11/20				
97	T20989019	T29	8/11/20				
98	T20989020	T30	8/11/20				
99	T20989021	T31	8/11/20				
100	T20989022	T32	8/11/20				
101	T20989023	T33	8/11/20				

Job	Truss	Truss Type	Qty	Ply	
2432497	CJ01	JACK-OPEN	36	1	T20988923
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:34:11 2020 Page 1
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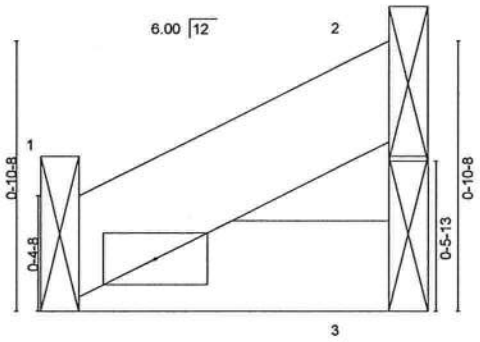

ADEQUATE SUPPORT REQUIRED.

2x4 =

1-0-0
0-10-8

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	0.01	Vert(LL)	-0.00	6	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.01	Vert(CT)	-0.00	6	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 3 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) 2=Mechanical, 1=Mechanical, 3=Mechanical
Max Horz 1=27(LC 12)
Max Uplift 2=-20(LC 12), 1=-11(LC 12), 3=-8(LC 12)
Max Grav 2=30(LC 1), 1=52(LC 2), 3=23(LC 2)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 1, 3.

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Date:

August 11,2020

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
2432497	CJ02	Jack-Open	4	1	T20988924
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:34:11 2020 Page 1
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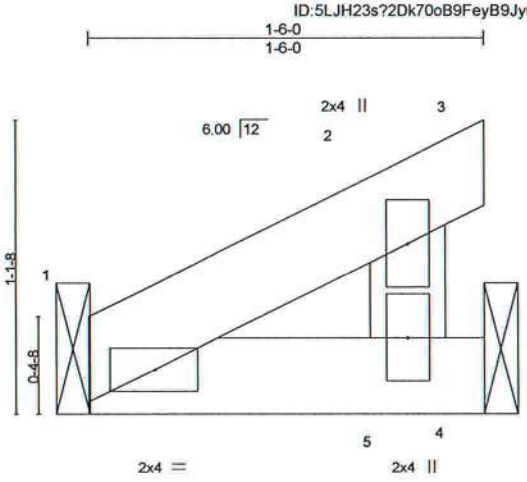

ADEQUATE SUPPORT REQUIRED.

1-6-0
1-4-7

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	0.03	Vert(LL)	0.00	8	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.04	Vert(CT)	-0.00	8	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.00	1	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 6 lb	FT = 20%

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

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

REACTIONS. (size) 4=Mechanical, 1=Mechanical
Max Horz 1=40(LC 12)
Max Uplift 4=-40(LC 12), 1=-18(LC 12)
Max Grav 4=71(LC 2), 1=77(LC 19)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 1.

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6904 Parke East Blvd. Tampa FL 33610
Date:
August 11,2020

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	T20988925
2432497	CJ03	Jack-Open	20	1	Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:34:12 2020 Page 1
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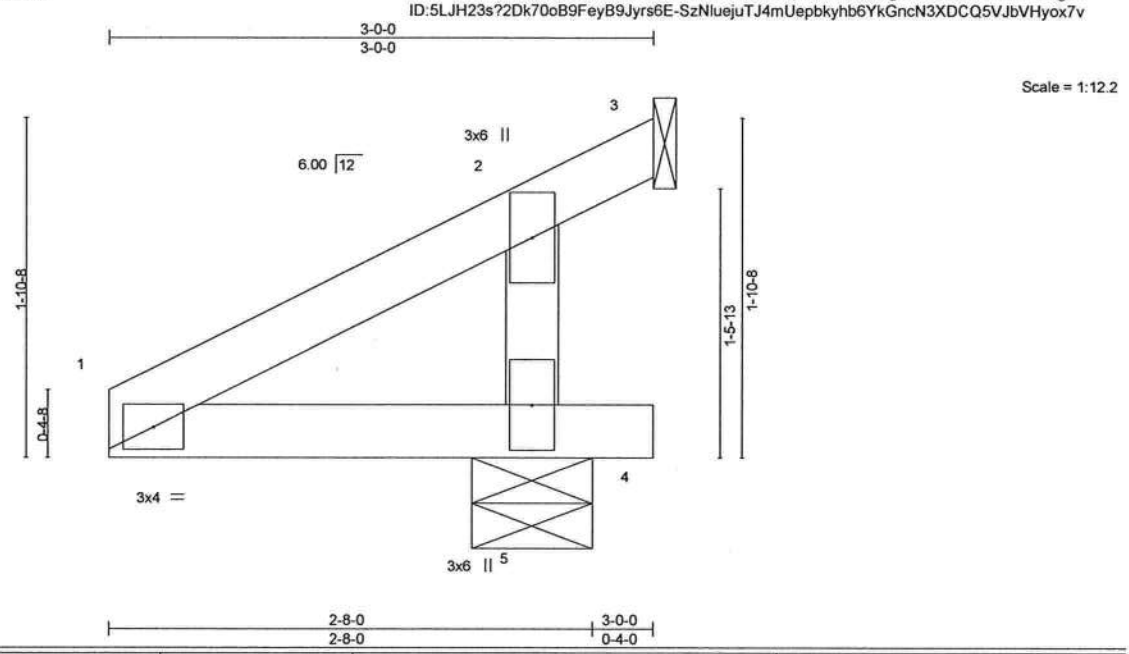

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.59	Vert(LL)	-0.03	4	>254	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.12	Vert(CT)	0.03	4	>219	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.24	Horz(CT)	-0.07	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 11 lb	FT = 20%

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

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

REACTIONS. (size) 3=Mechanical, 5=0-8-0
Max Horz 5=80(LC 12)
Max Uplift 3=-439(LC 2), 5=-179(LC 12)
Max Grav 3=92(LC 8), 5=750(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-5=-723/795

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 3=439, 5=179.

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MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
August 11,2020

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
2432497	CJ03A	Jack-Open	2	1	T20988926
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:34:13 2020 Page 1
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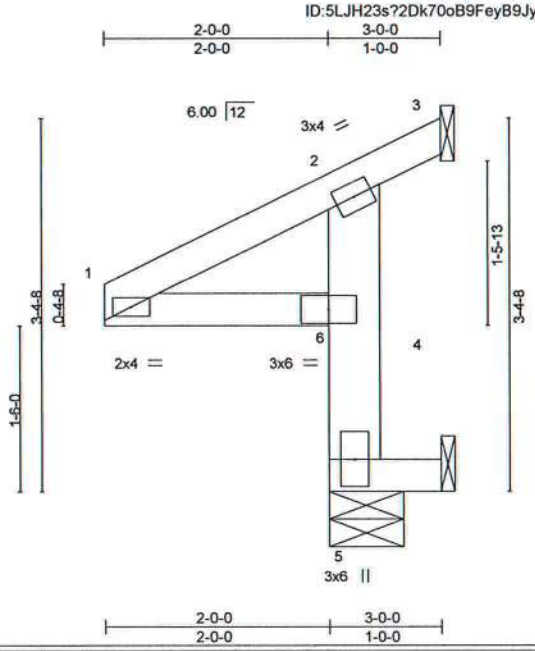

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.32	Vert(LL)	0.00	5	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.22	Vert(CT)	0.00	5	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.04	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MR							Weight: 15 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
2-5: 2x6 SP No.2

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

REACTIONS. (size) 3=Mechanical, 5=0-8-0, 4=Mechanical
Max Horz 5=80(LC 12)
Max Uplift 3=-201(LC 21), 5=-81(LC 8), 4=-177(LC 21)
Max Grav 3=20(LC 8), 5=639(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
BOT CHORD 5-6=-475/459, 2-6=-404/332

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5 except (jt=lb) 3=201, 4=177.

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Date:

August 11,2020

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
2432497	CJ03U	Jack-Open	11	1	T20988927
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:34:13 2020 Page 1
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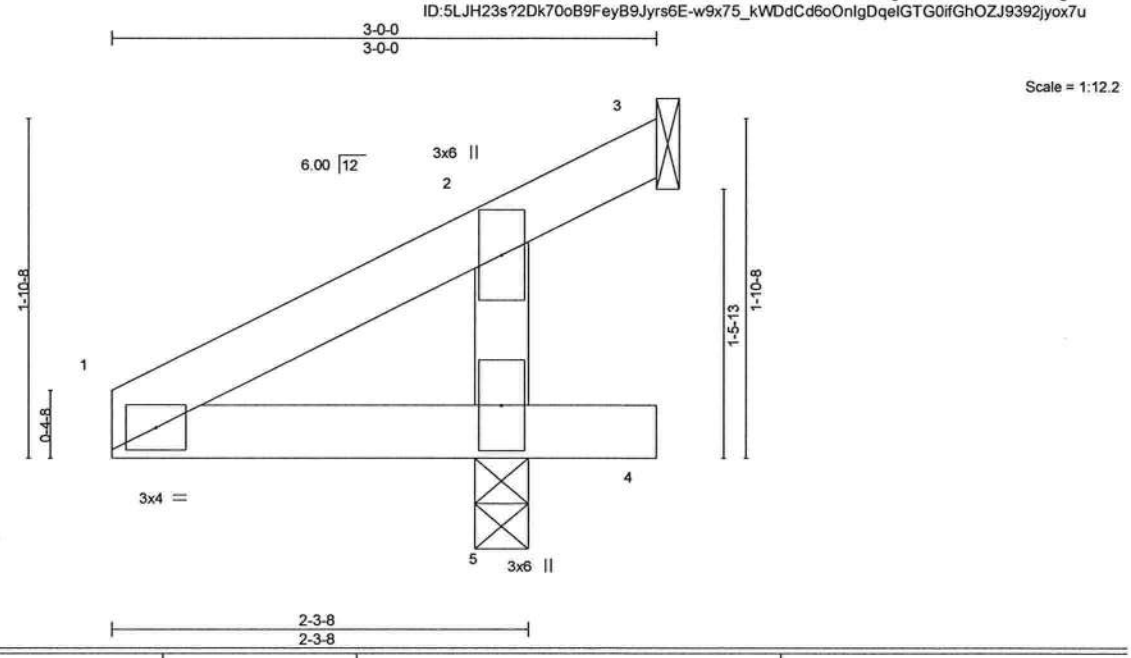

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.48	Vert(LL)	-0.03	4	>322	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.10	Vert(CT)	0.03	4	>278	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.18	Horz(CT)	-0.05	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 11 lb	FT = 20%

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

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

REACTIONS. (size) 3=Mechanical, 5=0-3-8
Max Horz 5=80(LC 12)
Max Uplift 3=-261(LC 2), 5=-137(LC 12)
Max Grav 3=56(LC 8), 5=572(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-5=-536/592

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 3=261, 5=137.

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Date:

August 11,2020

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Job	Truss	Truss Type	Qty	Ply	T20988928
2432497	CJ03UA	Jack-Open	1	1	Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:34:14 2020 Page 1
ID:5LJH23s?2Dk70oB9FeyB9Jyrs6E-PMVVJKI9_wKUjyzzsNk3BzpkbQ1Q?AviYpoia9yox7t

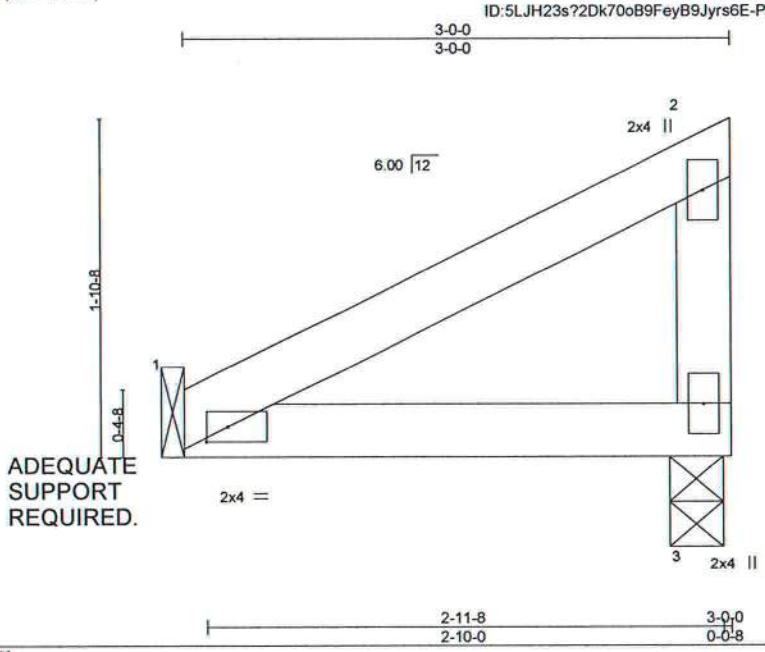

Plate Offsets (X,Y)-- [1:0-1-7,0-1-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.13	Vert(LL)	0.01	3-6	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.13	Vert(CT)	-0.01	3-6	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	-0.00	1	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 12 lb	FT = 20%

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

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

REACTIONS. (size) 1=Mechanical, 3=0-3-8
Max Horz 3=77(LC 12)
Max Uplift 1=-36(LC 12), 3=-78(LC 12)
Max Grav 1=150(LC 2), 3=150(LC 2)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.

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Job	Truss	Truss Type	Qty	Ply	
2432497	CJ03UB	Jack-Open	4	1	T20988929
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:34:14 2020 Page 1
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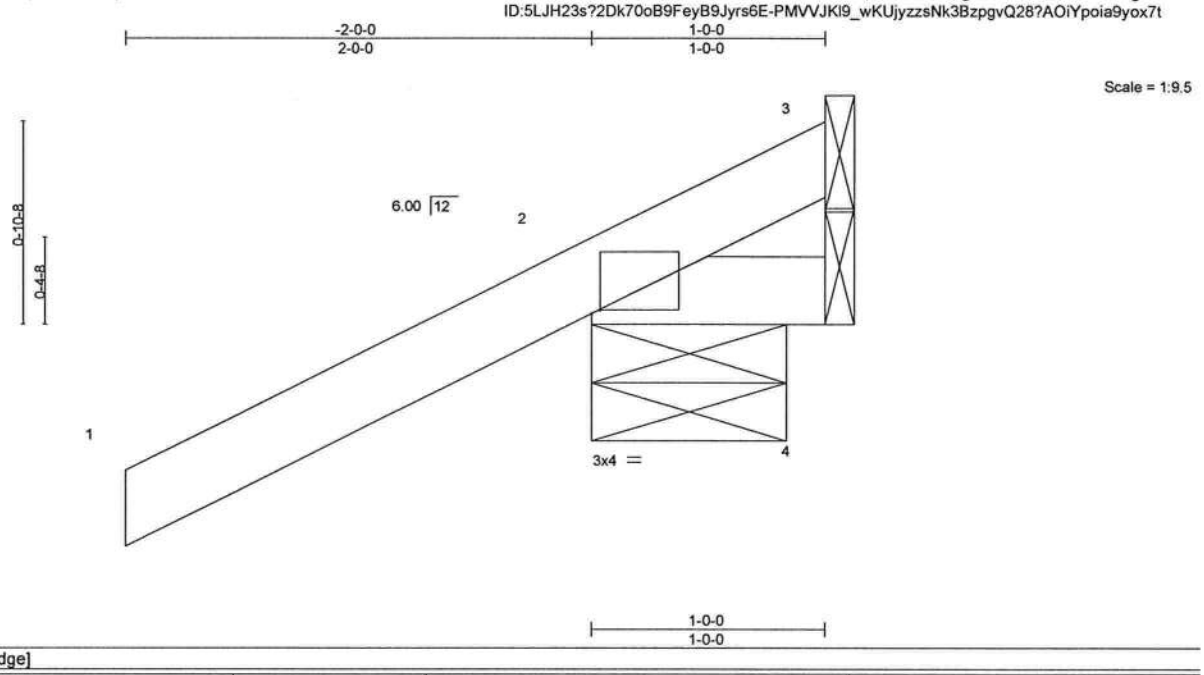

Plate Offsets (X,Y)-- [2:0-0-7,Edge]

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	0.36	Vert(LL)	-0.00	7	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.08	Vert(CT)	0.00	7	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 7 lb	FT = 20%

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

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=0-10-0, 4=Mechanical
Max Horz 2=73(LC 12)
Max Uplift 3=-41(LC 1), 2=-185(LC 12), 4=-71(LC 1)
Max Grav 3=26(LC 8), 2=371(LC 1), 4=47(LC 12)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4 except (jt=lb) 2=185.

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Job	Truss	Truss Type	Qty	Ply	
2432497	CJ04	JACK-OPEN	4	1	T20988930
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:34:15 2020 Page 1
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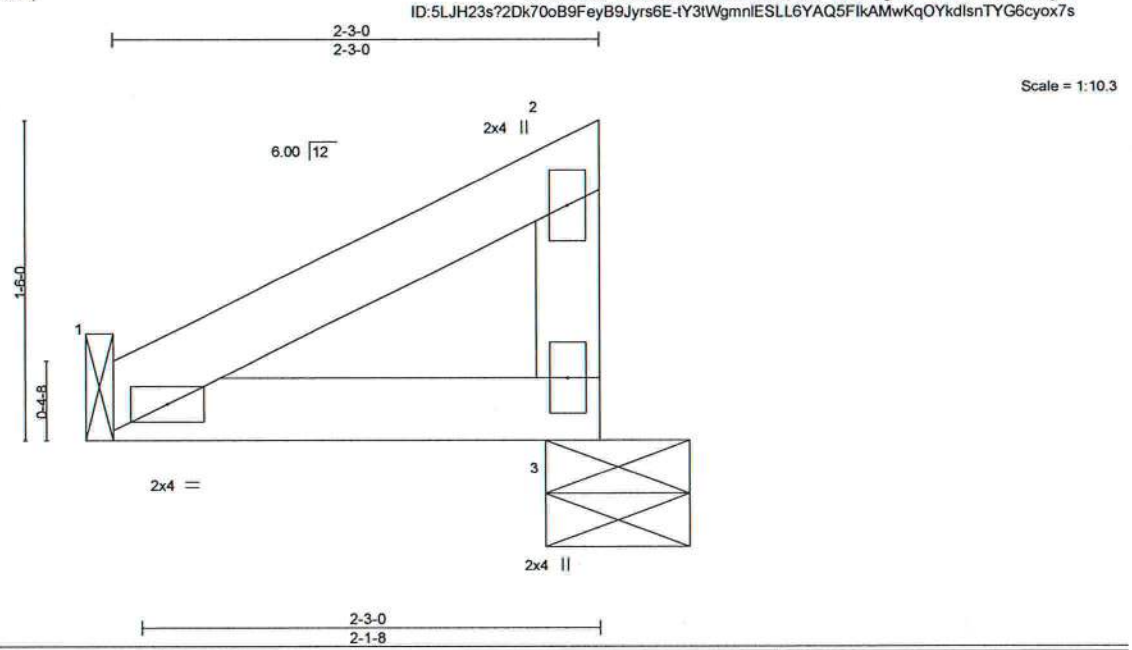

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.06	Vert(LL)	-0.00	6	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.07	Vert(CT)	-0.00	3-6	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.02	Horz(CT)	-0.00	1	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 9 lb	FT = 20%

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

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

REACTIONS. (size) 1=Mechanical, 3=0-8-0
Max Horz 3=57(LC 12)
Max Uplift 1=-26(LC 12), 3=-58(LC 12)
Max Grav 1=110(LC 2), 3=110(LC 2)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.

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Job	Truss	Truss Type	Qty	Ply	
2432497	CJ05	Jack-Open	17	1	T20988931
					Job Reference (optional)

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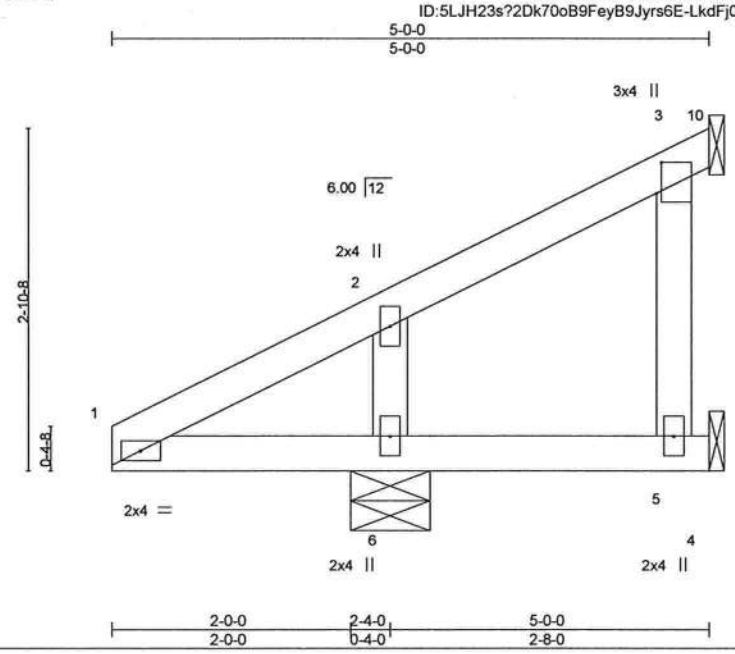

Scale = 1:18.6

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.27	Vert(LL)	0.00	5-6	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.25	Vert(CT)	0.01	5-6	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.12	Horz(CT)	-0.04	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 21 lb	FT = 20%

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

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

REACTIONS. (size) 6=0-8-0, 3=Mechanical, 5=Mechanical
Max Horz 6=135(LC 12)
Max Uplift 6=-128(LC 12), 3=-620(LC 21), 5=-48(LC 8)
Max Grav 6=453(LC 2), 3=23(LC 8), 5=639(LC 21)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-6=-290/302, 3-5=-638/175

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5 except (jt=lb) 6=128, 3=620.
6) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.

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August 11,2020

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	T20988932
2432497	CJ05A	Jack-Open	1	1	Job Reference (optional)

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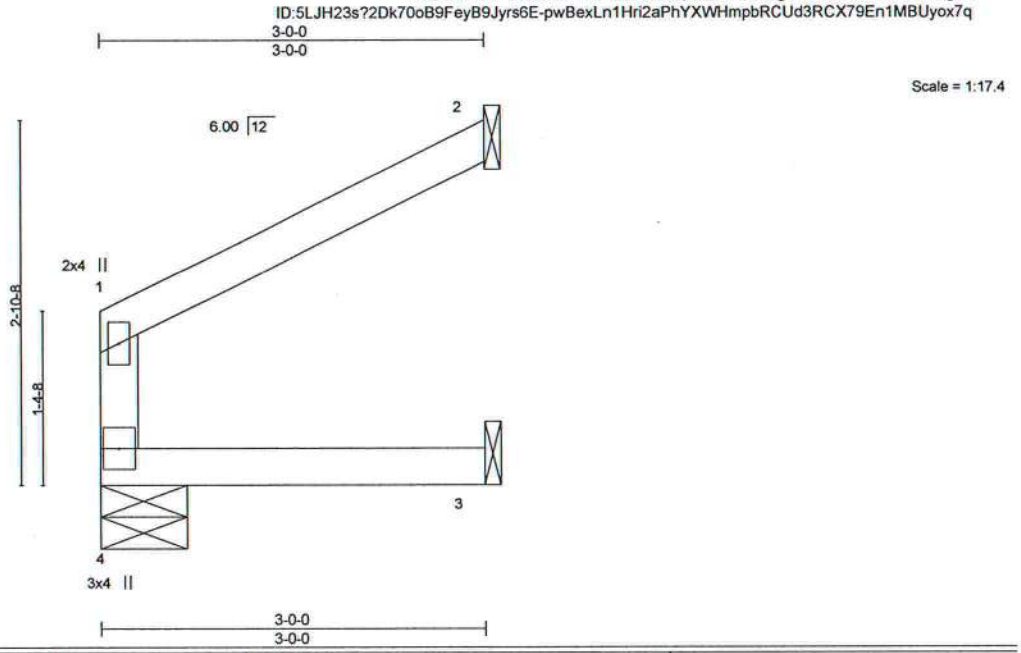

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.28	Vert(LL)	0.01	3-4	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.17	Vert(CT)	-0.01	3-4	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.02	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MR							Weight: 11 lb	FT = 20%

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

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

REACTIONS. (size) 4=0-8-0, 2=Mechanical, 3=Mechanical
Max Horz 4=76(LC 12)
Max Uplift 4=-6(LC 12), 2=-90(LC 12), 3=-15(LC 12)
Max Grav 4=147(LC 2), 2=105(LC 1), 3=56(LC 3)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 2, 3.

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August 11,2020

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Job	Truss	Truss Type	Qty	Ply	
2432497	CJ05B	Jack-Open	1	1	T20988933 Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:34:17 2020 Page 1
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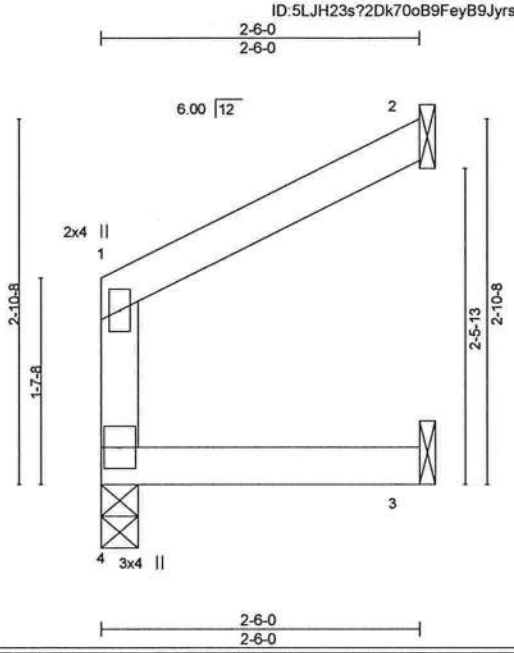

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.24	Vert(LL)	0.00	3-4	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.14	Vert(CT)	-0.00	3-4	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.02	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MR							Weight: 10 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-6-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=0-3-8, 2=Mechanical, 3=Mechanical
Max Horz 4=62(LC 12)
Max Uplift 2=-81(LC 12), 3=-18(LC 12)
Max Grav 4=120(LC 2), 2=87(LC 1), 3=46(LC 3)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 3.

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Job	Truss	Truss Type	Qty	Ply	
2432497	CJ05C	Jack-Open	1	1	T20988934
					Job Reference (optional)

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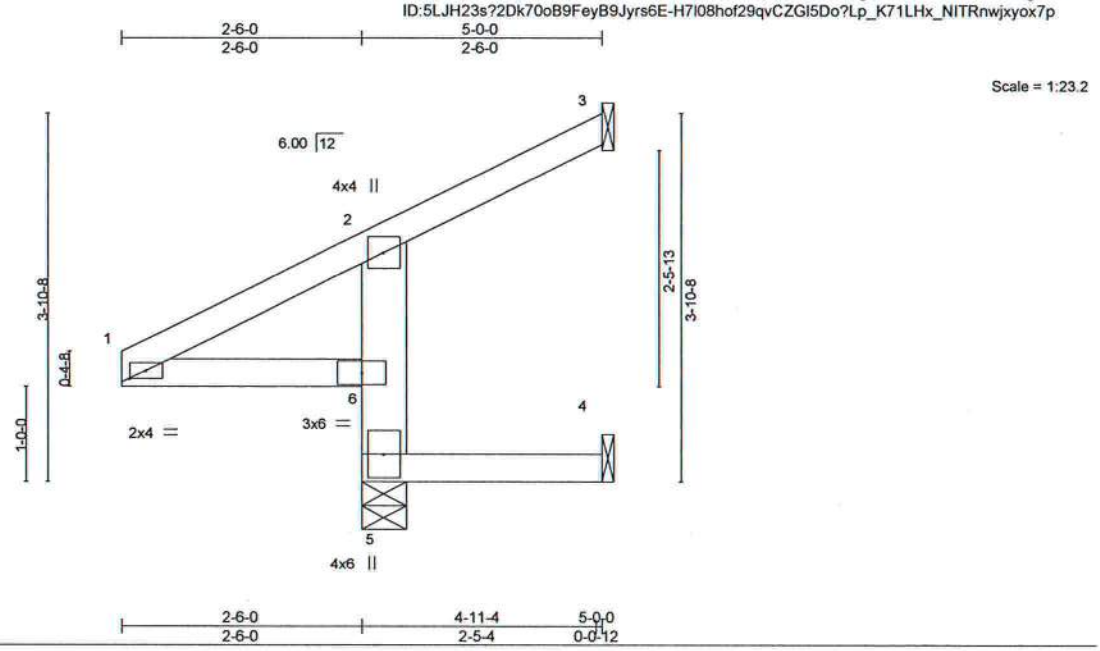

Plate Offsets (X,Y)-- [1:0-1-15,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.47	Vert(LL)	0.00	4-5	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.39	Vert(CT)	0.01	4-5	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.09	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MR							Weight: 21 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
2-5: 2x6 SP No.2

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

REACTIONS. (size) 3=Mechanical, 5=0-5-8, 4=Mechanical
Max Horz 5=134(LC 12)
Max Uplift 3=-81(LC 12), 5=-82(LC 8), 4=-59(LC 21)
Max Grav 3=11(LC 10), 5=580(LC 2), 4=7(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-273/251
BOT CHORD 1-6=-179/287, 5-6=-460/490, 2-6=-389/343

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 5, 4.

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

August 11,2020

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
2432497	CJ05D	Jack-Open	1	1	T20988935
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:34:18 2020 Page 1
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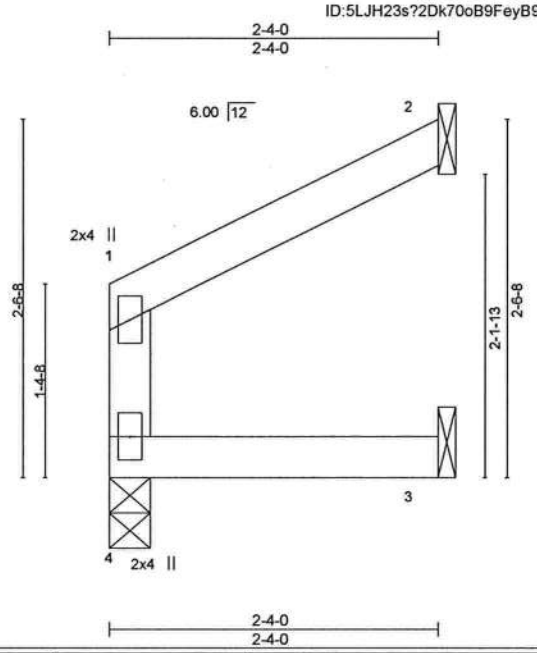

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.19	Vert(LL)	0.00	3-4	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.11	Vert(CT)	-0.00	3-4	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.01	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MR							Weight: 9 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 2-4-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=0-3-8, 2=Mechanical, 3=Mechanical
Max Horz 4=58(LC 12)
Max Uplift 2=-73(LC 12), 3=-14(LC 12)
Max Grav 4=112(LC 2), 2=80(LC 1), 3=43(LC 3)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 3.

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Job	Truss	Truss Type	Qty	Ply	
2432497	CJ05E	Jack-Open Girder	1	1	T20908936
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:34:19 2020 Page 1
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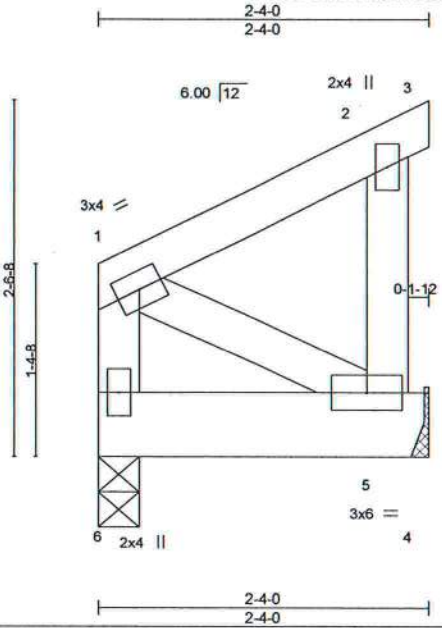

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.08	Vert(LL)	-0.00	6	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.02	Vert(CT)	-0.00	6	>999	180		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.02	Horz(CT)	-0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 16 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-4-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 6=0-3-8, 5=Mechanical
Max Horz 6=58(LC 8)
Max Uplift 6=-334(LC 8), 5=-97(LC 8)
Max Grav 6=1234(LC 2), 5=123(LC 2)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5 except (jt=lb) 6=334.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1136 lb down and 354 lb up at 0-1-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-80, 2-3=-40, 4-6=-20
Concentrated Loads (lb)
Vert: 6=-1069(F)

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Job	Truss	Truss Type	Qty	Ply	
2432497	CJ05U	Jack-Open	11	1	T20988937
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:34:20 2020 Page 1
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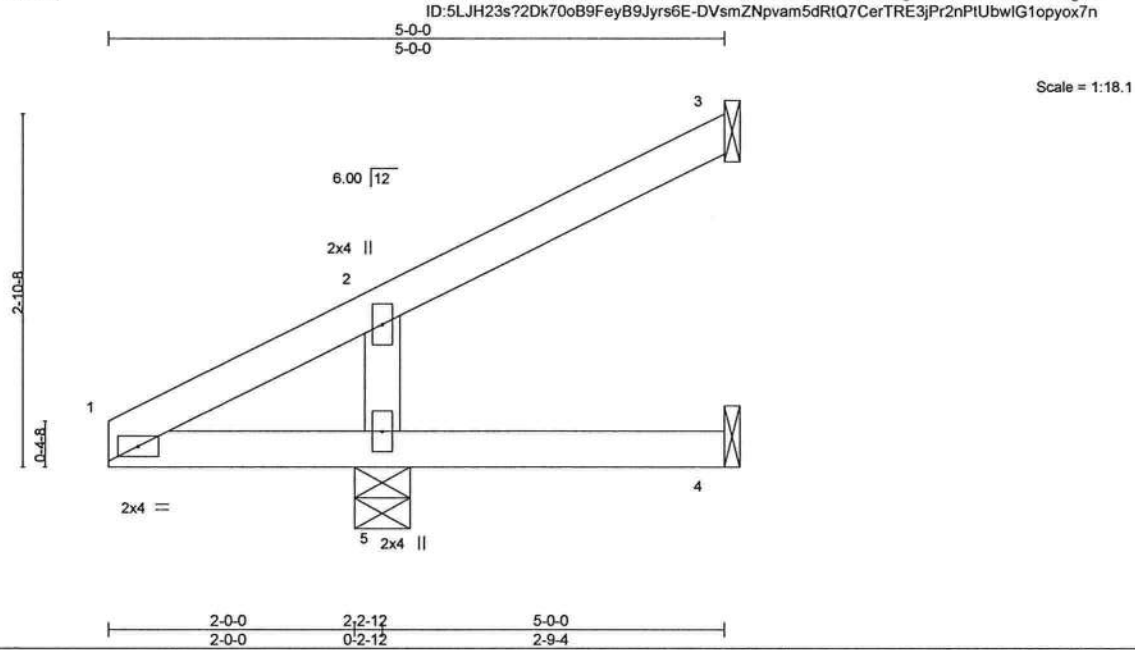

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.30	Vert(LL)	0.00	4-5	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.26	Vert(CT)	0.01	4-5	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.09	Horz(CT)	-0.04	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 17 lb	FT = 20%

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

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

REACTIONS. (size) 3=Mechanical, 4=Mechanical, 5=0-5-8
Max Horz 5=134(LC 12)
Max Uplift 3=-76(LC 12), 4=-35(LC 9), 5=-115(LC 12)
Max Grav 3=57(LC 1), 4=16(LC 3), 5=473(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-5=-304/301

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4 except (jt=lb) 5=115.

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Job	Truss	Truss Type	Qty	Ply	
2432497	CJ05UA	Jack-Open	1	1	T20988938
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:34:20 2020 Page 1
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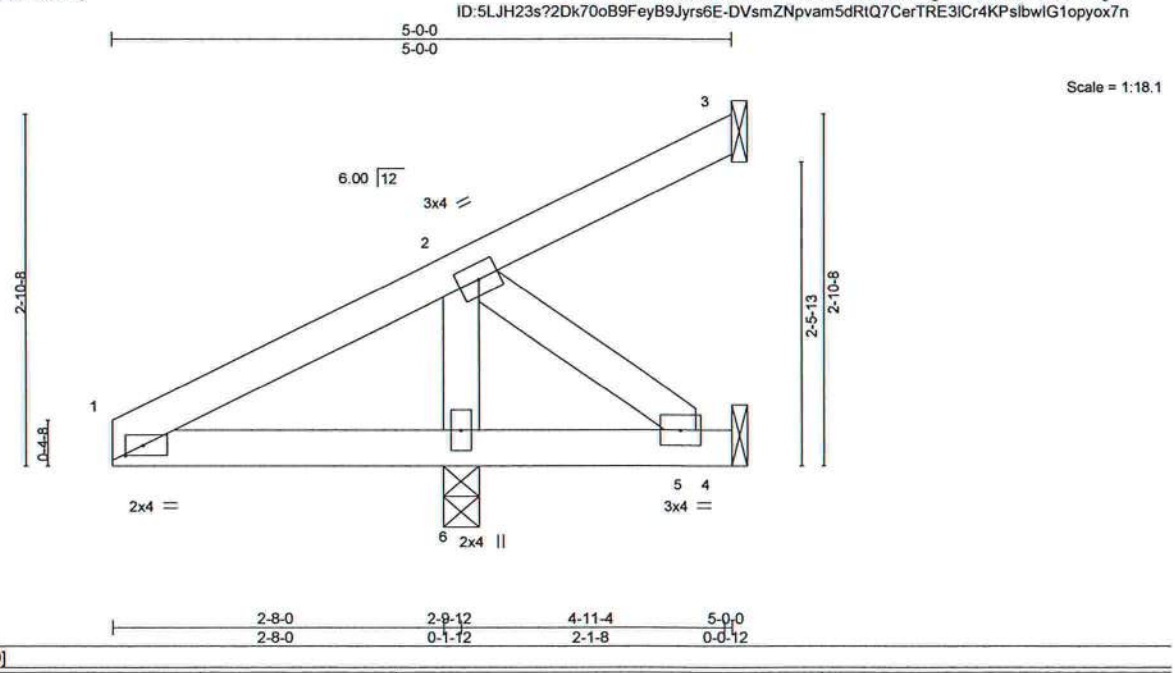


Plate Offsets (X,Y)— [1:0-1-11,0-1-0]

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	0.18	Vert(LL)	0.00	5	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.16	Vert(CT)	0.00	5-6	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.14	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 21 lb	FT = 20%

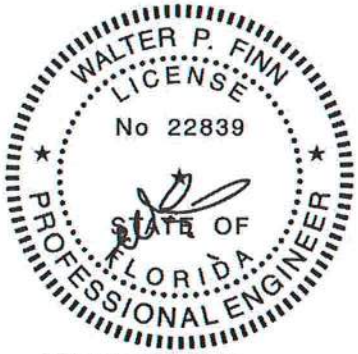
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

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

REACTIONS. (size) 3=Mechanical, 4=Mechanical, 6=0-3-8
Max Horz 6=134(LC 12)
Max Uplift 3=-44(LC 12), 4=-147(LC 20), 6=-146(LC 12)
Max Grav 3=55(LC 1), 4=4(LC 8), 6=602(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-321/290
BOT CHORD 1-6=-214/332
WEBS 2-6=-500/460, 2-5=-165/272

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3 except (jt=lb) 4=147, 6=146.



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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	T20988939
2432497	CJ05UB	Jack-Open	1	1	Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:34:21 2020 Page 1
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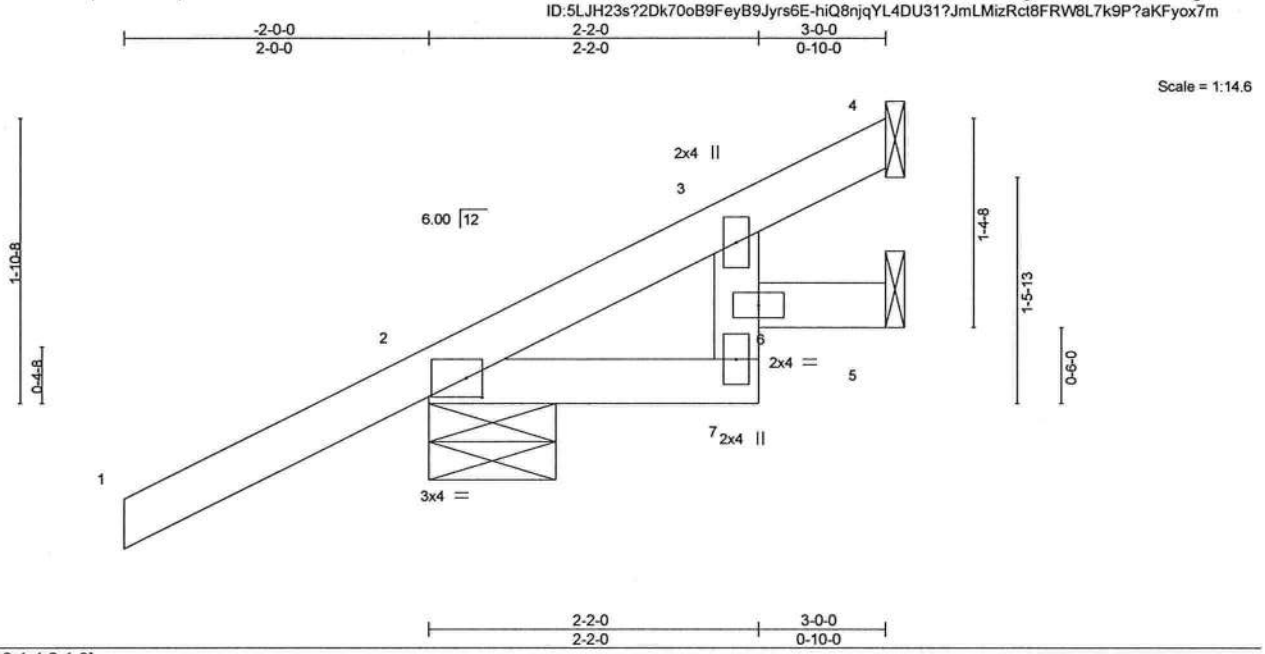

Plate Offsets (X,Y)-- [2:0-1-4,0-1-8]

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	0.36	Vert(LL)	-0.00	7	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.10	Vert(CT)	-0.00	7	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MR							Weight: 14 lb	FT = 20%

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

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

REACTIONS. (size) 4=Mechanical, 2=0-10-0, 5=Mechanical
Max Horz 2=126(LC 12)
Max Uplift 4=-35(LC 12), 2=-146(LC 12), 5=-13(LC 12)
Max Grav 4=56(LC 19), 2=361(LC 1), 5=55(LC 19)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 5 except (jt=lb) 2=146.

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Job	Truss	Truss Type	Qty	Ply	
2432497	CJ05UC	Jack-Open	1	1	T20988940
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:34:22 2020 Page 1
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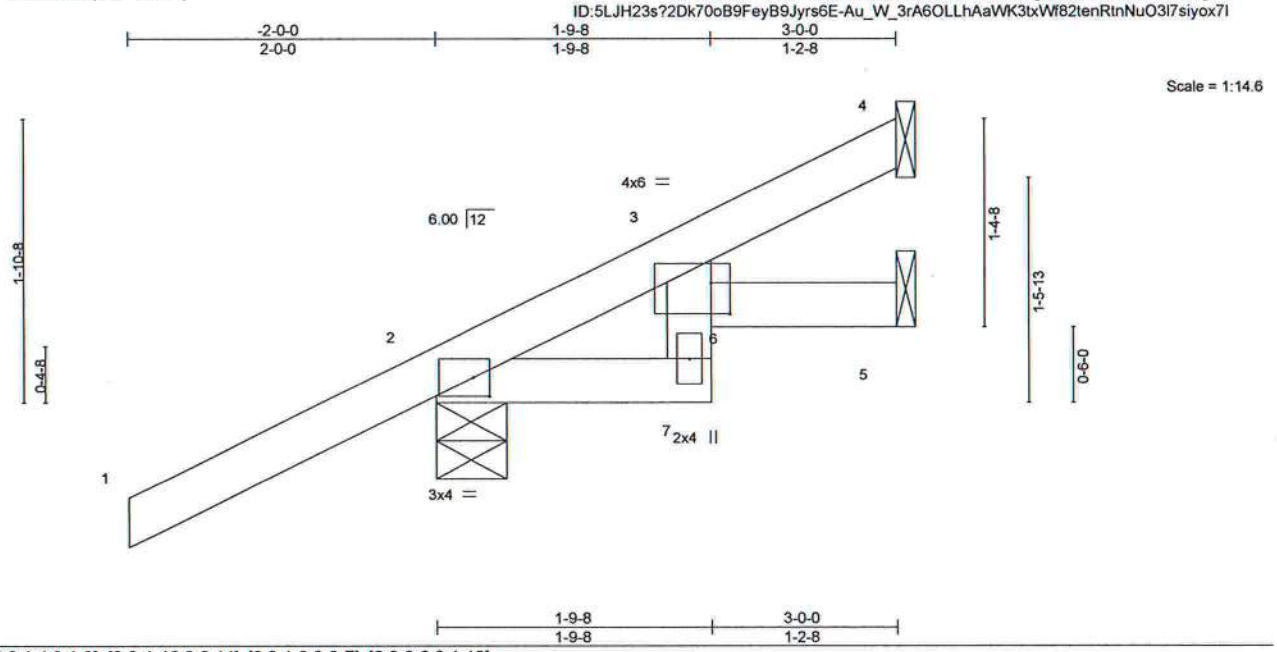

Plate Offsets (X,Y)-- [2:0-1-4,0-1-9], [3:0-1-12,0-0-14], [3:0-1-8,0-2-7], [6:0-0-0,0-1-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.36	Vert(LL)	-0.00	6	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.12	Vert(CT)	-0.00	6	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MR							Weight: 14 lb	FT = 20%

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

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

REACTIONS. (size) 4=Mechanical, 2=0-5-8, 5=Mechanical
Max Horz 2=126(LC 12)
Max Uplift 4=-41(LC 12), 2=-146(LC 12), 5=-7(LC 12)
Max Grav 4=62(LC 19), 2=361(LC 1), 5=49(LC 19)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 5 except (jt=lb) 2=146.

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Job	Truss	Truss Type	Qty	Ply	T20988941
2432497	CJ05UD	Jack-Open	2	1	Job Reference (optional)

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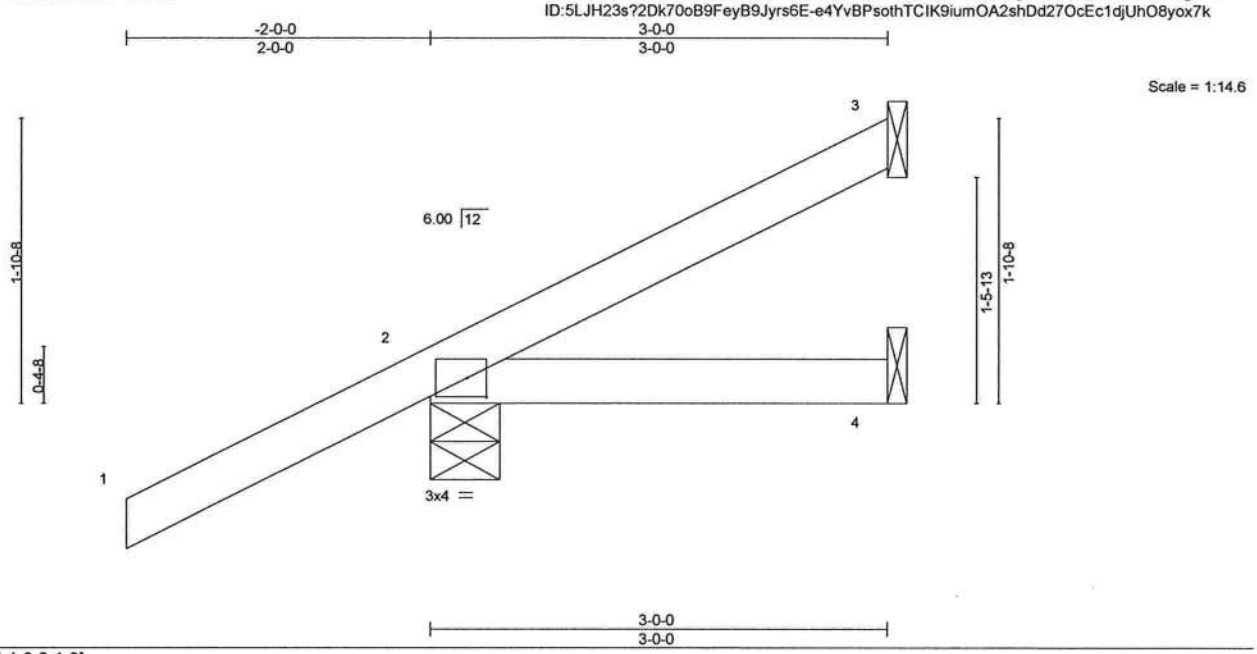

Plate Offsets (X,Y)-- [2:0-1-8,0-1-9]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.36	Vert(LL)	-0.00	4-7	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.07	Vert(CT)	-0.01	4-7	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 13 lb	FT = 20%

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

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

REACTIONS. (size) 3=Mechanical, 2=0-5-8, 4=Mechanical
Max Horz 2=126(LC 12)
Max Uplift 3=-55(LC 12), 2=-146(LC 12)
Max Grav 3=75(LC 1), 2=361(LC 1), 4=45(LC 3)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3 except (jt=lb) 2=146.

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Job	Truss	Truss Type	Qty	Ply	T20988942
2432497	CJ07	Jack-Open	16	1	Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:34:23 2020 Page 1
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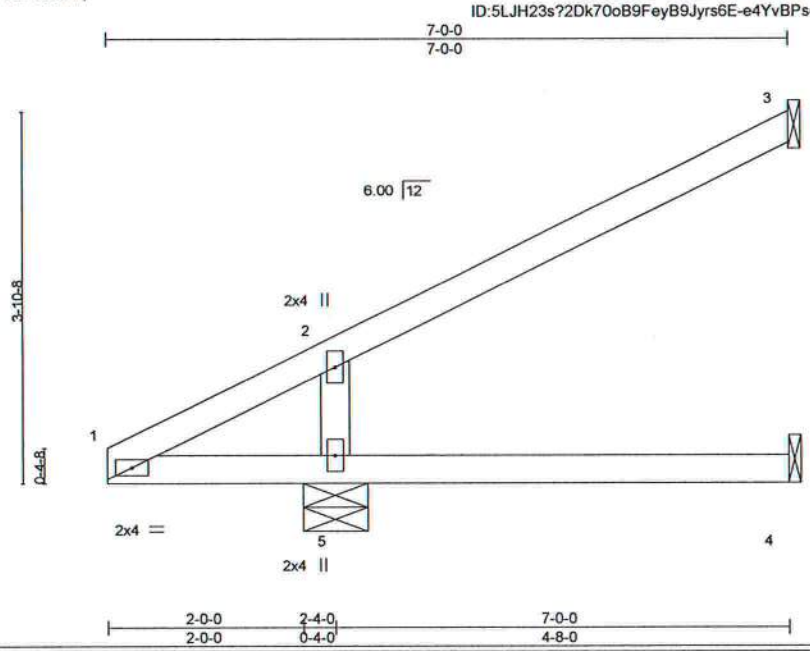


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.42	Vert(LL)	0.06	4-5	>907	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.32	Vert(CT)	0.06	4-5	>950	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.11	Horz(CT)	-0.07	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 24 lb	FT = 20%

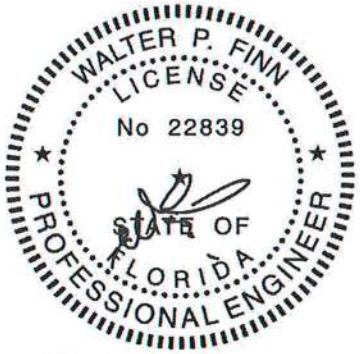
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

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

REACTIONS. (size) 3=Mechanical, 4=Mechanical, 5=0-8-0
Max Horz 5=188(LC 12)
Max Uplift 3=-130(LC 12), 4=-57(LC 9), 5=-135(LC 12)
Max Grav 3=142(LC 1), 4=68(LC 3), 5=549(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-267/139
BOT CHORD 1-5=-96/267
WEBS 2-5=-413/358

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 3=130, 5=135.



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

August 11,2020

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	T20988943
2432497	CJ07A	Jack-Open	1	1	Job Reference (optional)

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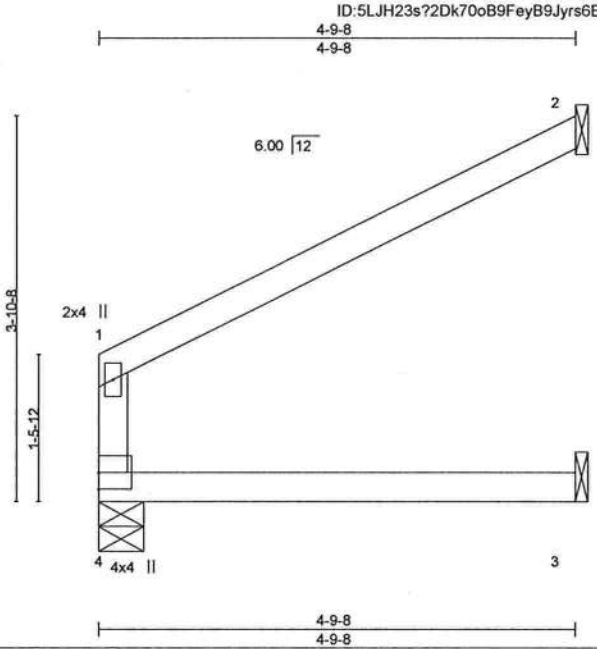

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.60	Vert(LL)	0.05	3-4	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.42	Vert(CT)	-0.06	3-4	>951	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.09	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MR							Weight: 17 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-9-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=0-5-8, 2=Mechanical, 3=Mechanical
Max Horz 4=124(LC 12)
Max Uplift 4=-27(LC 12), 2=-138(LC 12), 3=-18(LC 12)
Max Grav 4=241(LC 2), 2=170(LC 1), 3=93(LC 3)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 3 except (jt=lb) 2=138.

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
2432497	CJ07B	Jack-Open	1	1	T20988944
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:34:24 2020 Page 1
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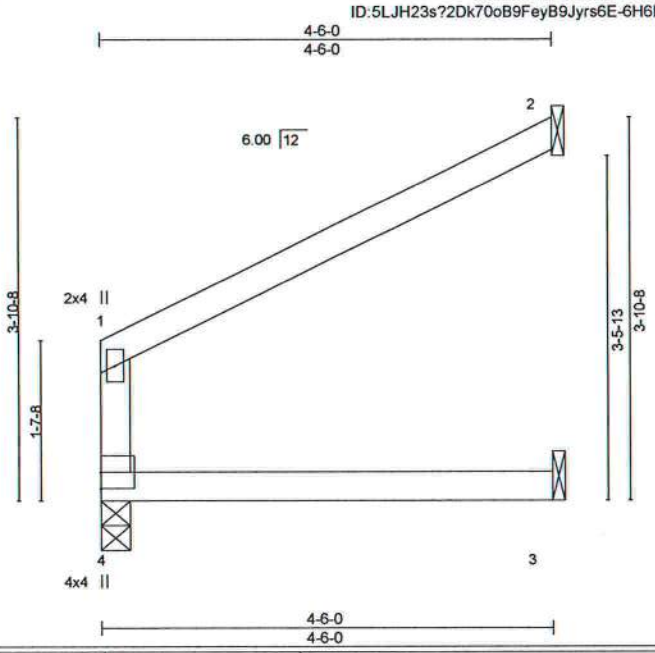


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.58	Vert(LL)	0.04	3-4	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.39	Vert(CT)	-0.04	3-4	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.09	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MR							Weight: 16 lb	FT = 20%

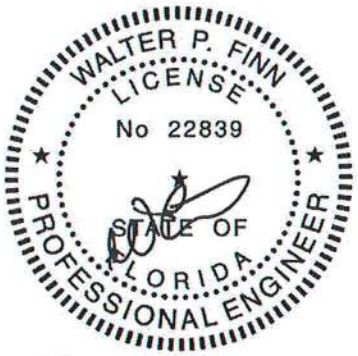
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

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

REACTIONS. (size) 4=0-3-8, 2=Mechanical, 3=Mechanical
Max Horz 4=116(LC 12)
Max Uplift 4=-19(LC 12), 2=-133(LC 12), 3=-19(LC 12)
Max Grav 4=225(LC 2), 2=160(LC 1), 3=87(LC 3)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 3 except (jt=lb) 2=133.



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August 11,2020

Job	Truss	Truss Type	Qty	Ply	
2432497	CJ07C	Jack-Open	1	1	T20988945
					Job Reference (optional)

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8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:34:25 2020 Page 1
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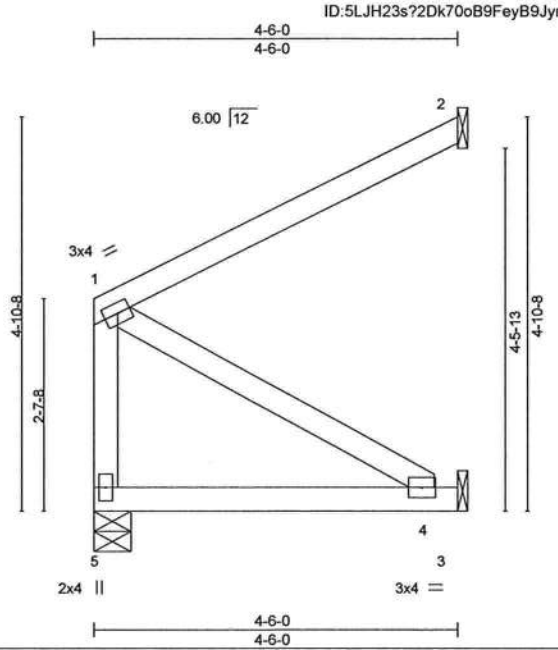

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.44	Vert(LL)	-0.02	4-5	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.22	Vert(CT)	-0.04	4-5	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 24 lb	FT = 20%

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

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

REACTIONS. (size) 5=0-5-8, 2=Mechanical, 3=Mechanical
Max Horz 5=116(LC 12)
Max Uplift 2=-127(LC 12), 3=-52(LC 12)
Max Grav 5=225(LC 2), 2=172(LC 1), 3=86(LC 3)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3 except (jt=lb) 2=127.

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August 11,2020

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
2432497	CJ07G	Jack-Open	1	1	T20988946
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:34:26 2020 Page 1
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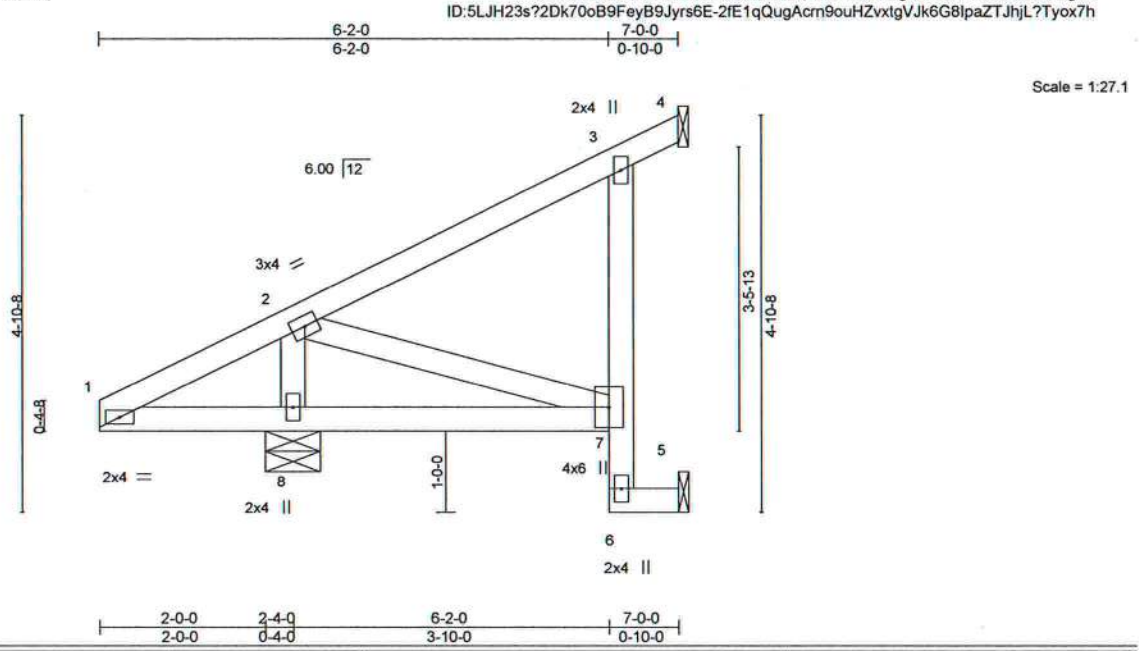


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.35	Vert(LL)	0.03	7	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.13	Vert(CT)	-0.04	7-8	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.12	Horz(CT)	-0.01	4	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 35 lb	FT = 20%

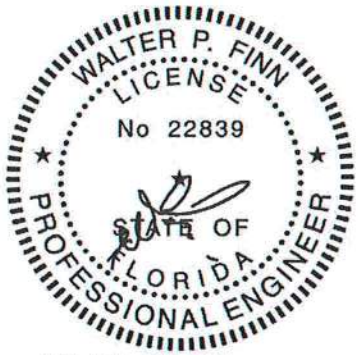
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

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

REACTIONS. (size) 4=Mechanical, 8=0-8-0, 5=Mechanical
Max Horz 8=188(LC 12)
Max Uplift 4=-143(LC 12), 8=-135(LC 12)
Max Grav 4=179(LC 19), 8=549(LC 2), 5=13(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-8=-445/389

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 4=143, 8=135.



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6904 Parke East Blvd. Tampa FL 33610
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August 11,2020

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	T20988947
2432497	CJ07U	Jack-Open	7	1	Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:34:26 2020 Page 1
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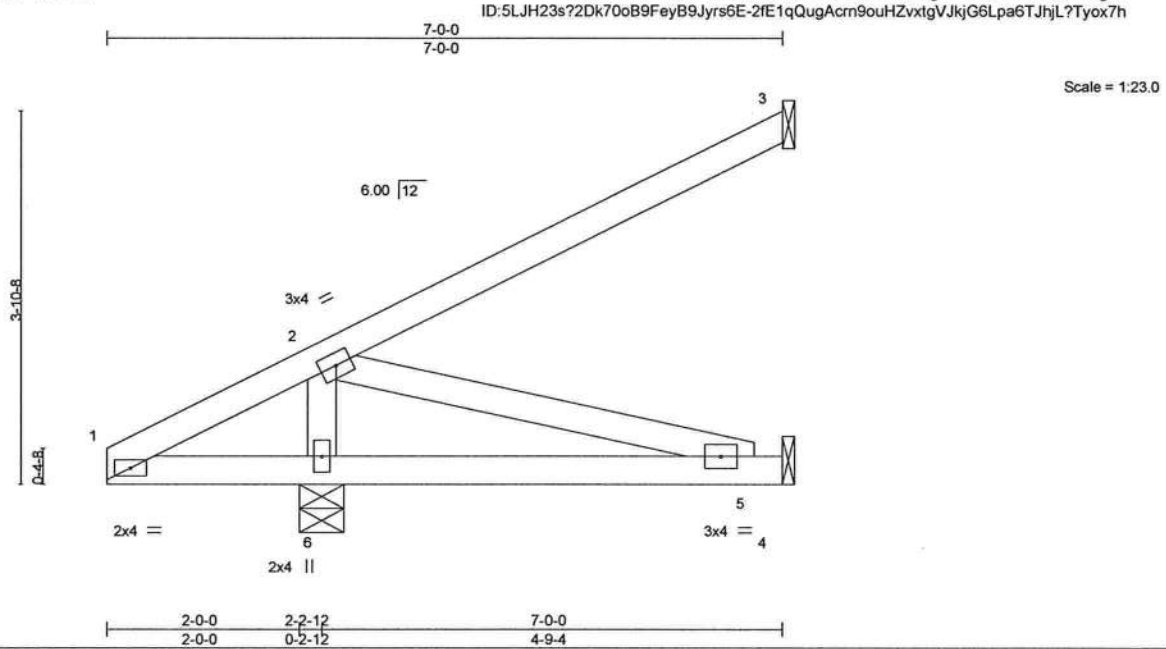

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.37	Vert(LL)	0.05	5-6	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.25	Vert(CT)	0.04	5-6	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 30 lb	FT = 20%

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

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

REACTIONS. (size) 3=Mechanical, 4=Mechanical, 6=0-5-8
Max Horz 6=188(LC 12)
Max Uplift 3=-113(LC 12), 4=-74(LC 9), 6=-132(LC 12)
Max Grav 3=152(LC 1), 4=69(LC 3), 6=537(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-6=-429/271

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 3=113, 6=132.

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August 11,2020

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
2432497	CJ07UA	Jack-Open	1	1	T20988948
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:34:27 2020 Page 1
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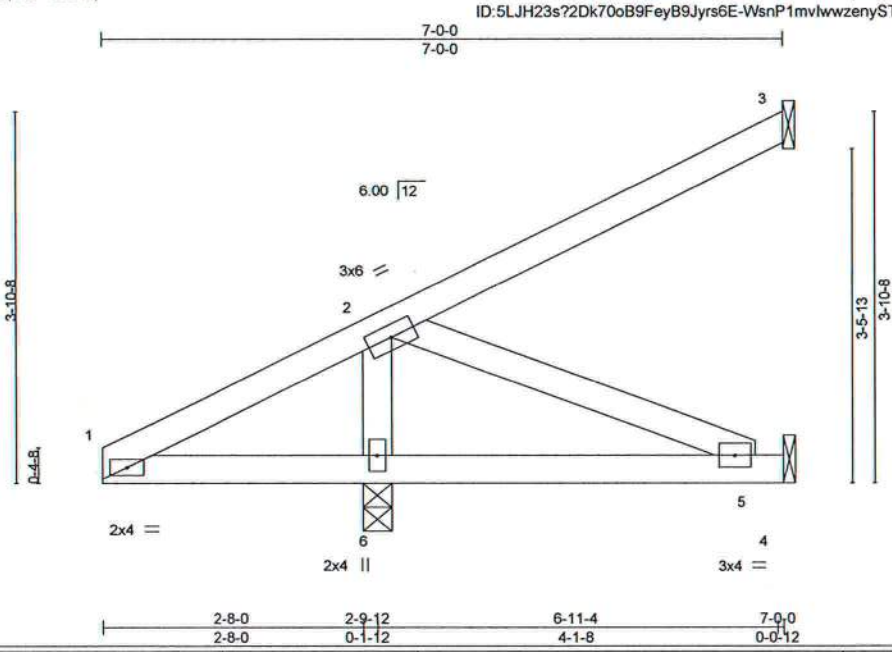

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.31	Vert(LL)	0.02	5-6	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.22	Vert(CT)	-0.02	5-6	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.11	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 30 lb	FT = 20%

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

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

REACTIONS. (size) 3=Mechanical, 4=Mechanical, 6=0-3-8
Max Horz 6=188(LC 12)
Max Uplift 3=-99(LC 12), 4=-68(LC 9), 6=-150(LC 12)
Max Grav 3=132(LC 1), 4=23(LC 3), 6=613(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-6=-490/367

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4 except (jt=lb) 6=150.

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August 11,2020

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Job	Truss	Truss Type	Qty	Ply	T20988949
2432497	CJ07UB	Jack-Open	1	1	Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:34:28 2020 Page 1
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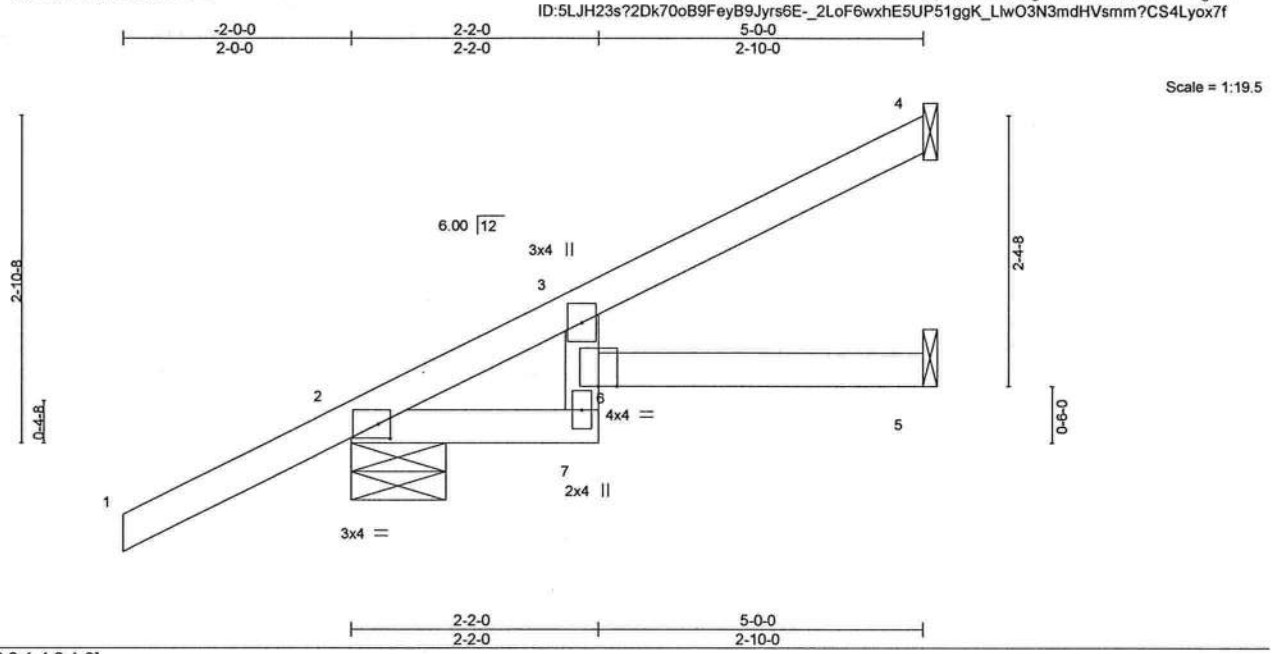

Plate Offsets (X,Y)-- [2:0-1-4,0-1-8]

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	0.36	Vert(LL)	0.04	5-6	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.33	Vert(CT)	-0.06	5-6	>985	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MR							Weight: 21 lb	FT = 20%

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

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

REACTIONS. (size) 4=Mechanical, 2=0-10-0, 5=Mechanical
Max Horz 2=180(LC 12)
Max Uplift 4=-92(LC 12), 2=-158(LC 12), 5=-21(LC 12)
Max Grav 4=138(LC 1), 2=439(LC 1), 5=102(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-268/12
BOT CHORD 2-7=-143/266

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 5 except (jt=lb) 2=158.

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August 11,2020

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Job	Truss	Truss Type	Qty	Ply	T20988950
2432497	CJ07UC	Jack-Open	1	1	Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:34:28 2020 Page 1
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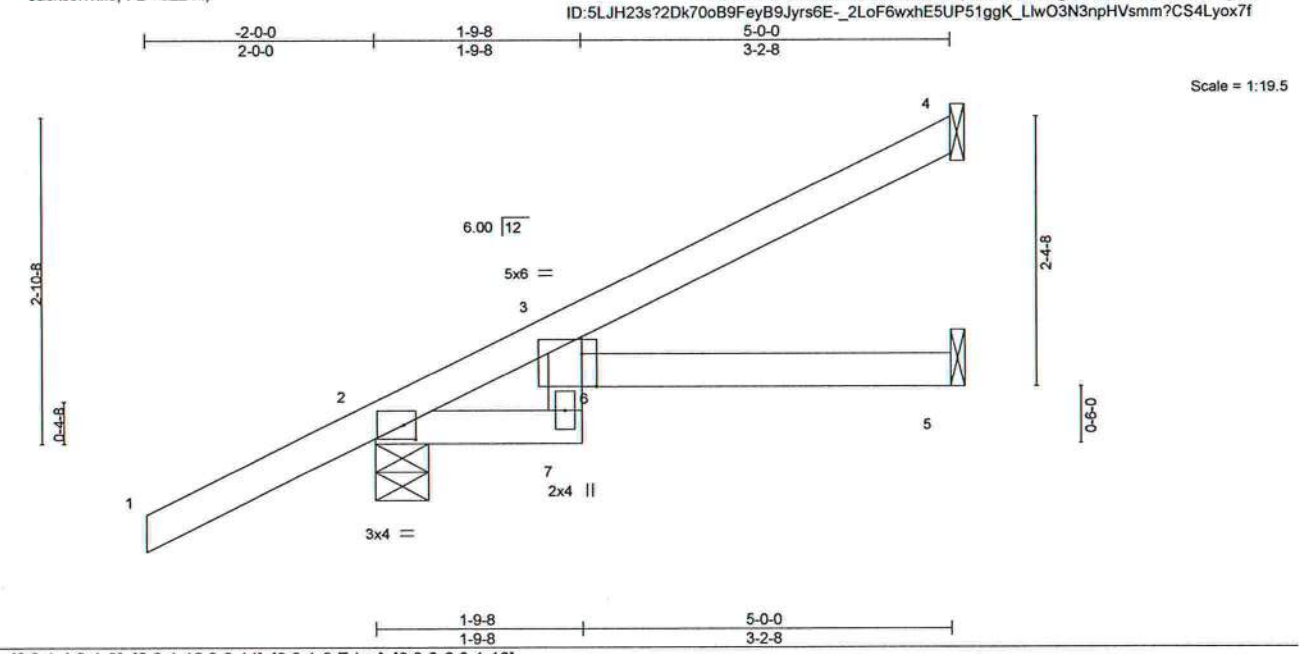

Plate Offsets (X,Y)— [2:0-1-4,0-1-9], [3:0-1-12,0-0-14], [3:0-1-8,Edge], [6:0-0-0,0-1-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.36	Vert(LL)	0.04	5-6	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.31	Vert(CT)	-0.07	5-6	>902	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.02	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MR							Weight: 20 lb	FT = 20%

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

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

REACTIONS. (size) 4=Mechanical, 2=0-5-8, 5=Mechanical
Max Horz 2=180(LC 12)
Max Uplift 4=-97(LC 12), 2=-158(LC 12), 5=-17(LC 12)
Max Grav 4=143(LC 1), 2=439(LC 1), 5=98(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-273/0
BOT CHORD 2-7=-131/278

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 5 except (jt=lb) 2=158.

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Job	Truss	Truss Type	Qty	Ply	
2432497	CJ07UD	Jack-Open	2	1	T20988951
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:34:29 2020 Page 1
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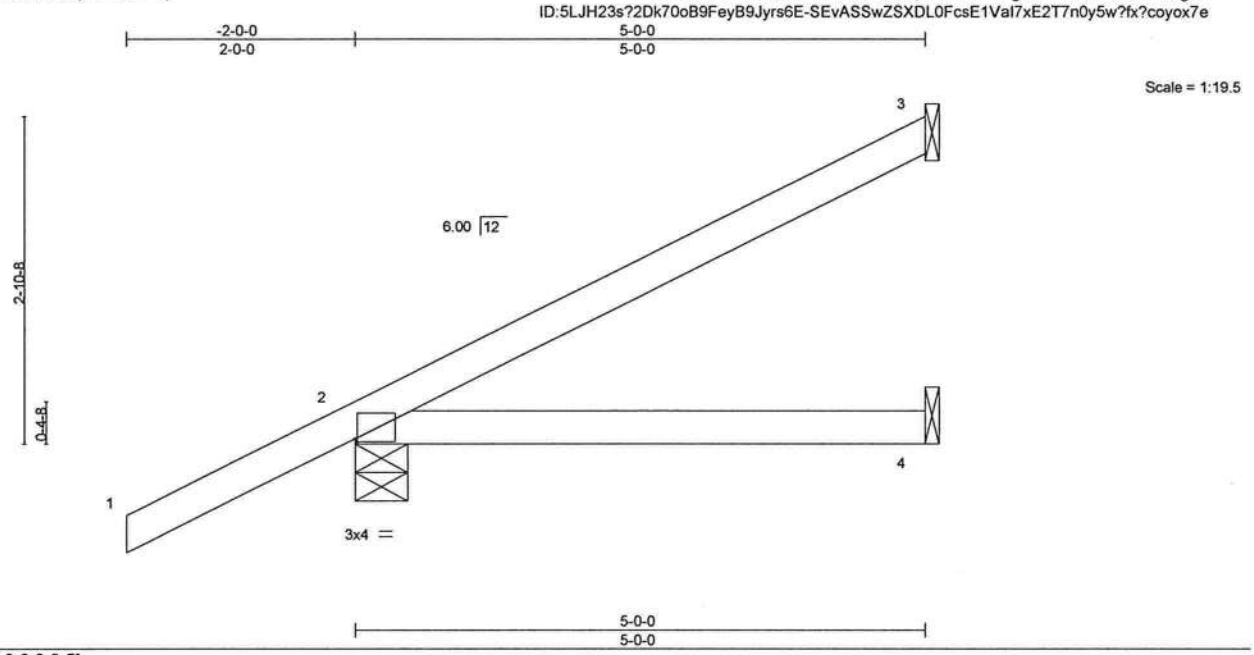

Plate Offsets (X,Y)-- [2:0-0-3,0-0-5]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.37	Vert(LL)	-0.03	4-7	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.27	Vert(CT)	-0.06	4-7	>931	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 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 5-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 3=Mechanical, 2=0-5-8, 4=Mechanical
Max Horz 2=180(LC 12)
Max Uplift 3=-111(LC 12), 2=-158(LC 12), 4=-2(LC 12)
Max Grav 3=157(LC 1), 2=439(LC 1), 4=92(LC 3)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 3=111, 2=158.

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Job	Truss	Truss Type	Qty	Ply	
2432497	CJ09U	Jack-Open	2	1	T20988952
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:34:30 2020 Page 1
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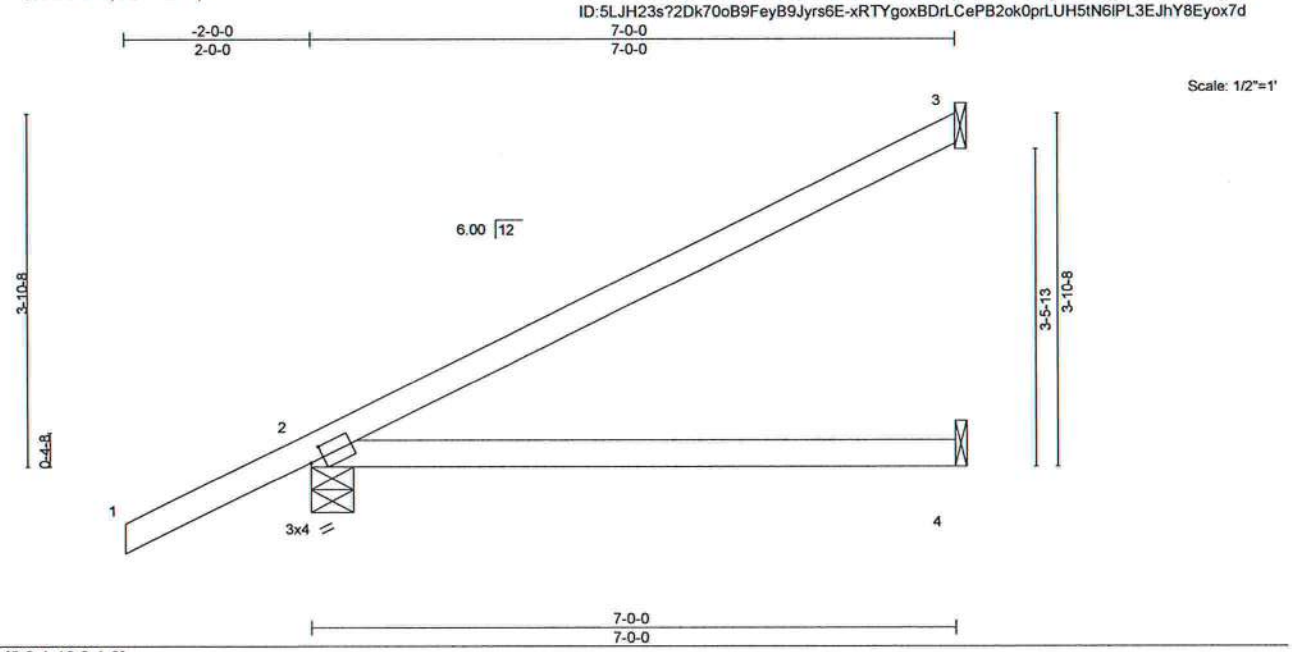

Plate Offsets (X,Y)-- [2:0-1-13,0-1-8]

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	0.86	Vert(LL)	0.14	4-7	>589	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.64	Vert(CT)	-0.29	4-7	>285	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.01	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 26 lb	FT = 20%

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

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

REACTIONS. (size) 3=Mechanical, 2=0-5-8, 4=Mechanical
Max Horz 2=234(LC 12)
Max Uplift 3=-165(LC 12), 2=-179(LC 12), 4=-8(LC 12)
Max Grav 3=233(LC 1), 2=530(LC 1), 4=135(LC 3)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 3=165, 2=179.

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Job	Truss	Truss Type	Qty	Ply	T20988953
2432497	CJ09UB	Jack-Open	1	1	Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:34:30 2020 Page 1
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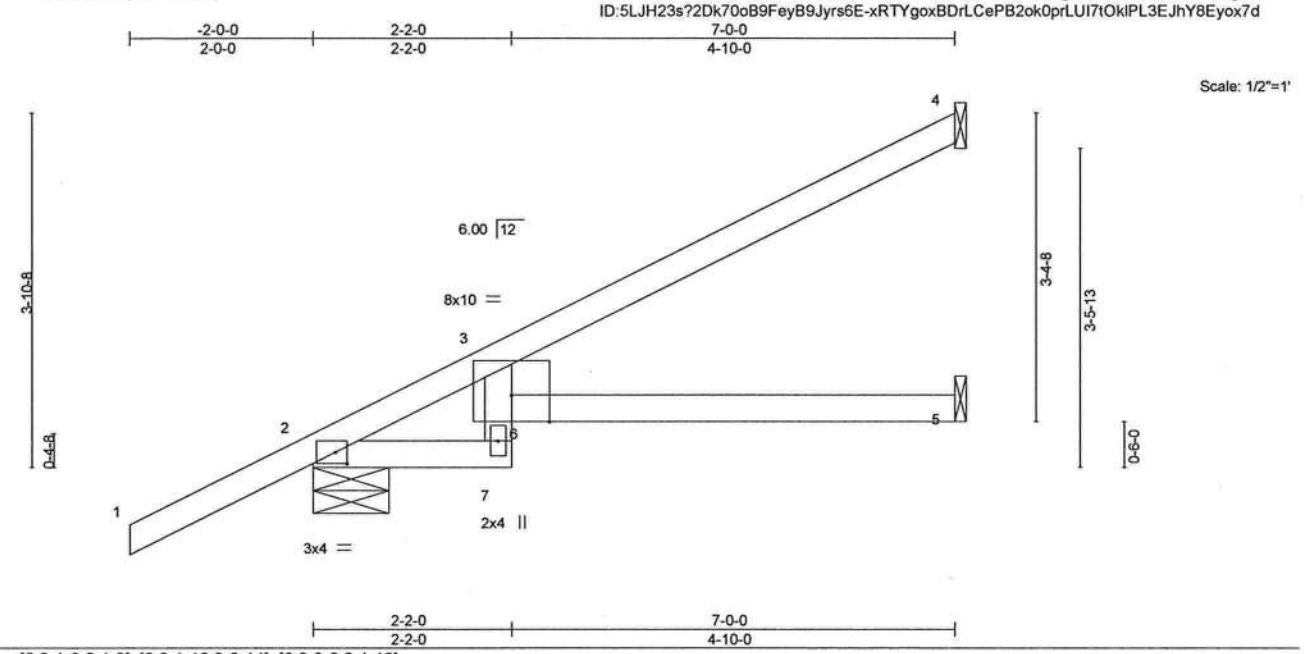

Plate Offsets (X,Y)-- [2:0-1-8,0-1-8], [3:0-1-12,0-0-14], [6:0-0-0,0-1-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.79	Vert(LL)	0.19	5-6	>432	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.60	Vert(CT)	-0.31	5-6	>265	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.07	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MR							Weight: 27 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
3-7: 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=0-10-0, 5=Mechanical
Max Horz 2=234(LC 12)
Max Uplift 4=-156(LC 12), 2=-179(LC 12), 5=-17(LC 12)
Max Grav 4=229(LC 1), 2=530(LC 1), 5=131(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-436/77
BOT CHORD 2-7=-263/376

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5 except (jt=lb) 4=156, 2=179.

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Job	Truss	Truss Type	Qty	Ply	
2432497	CJ09UC	Jack-Open	1	1	T20988954
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:34:31 2020 Page 1
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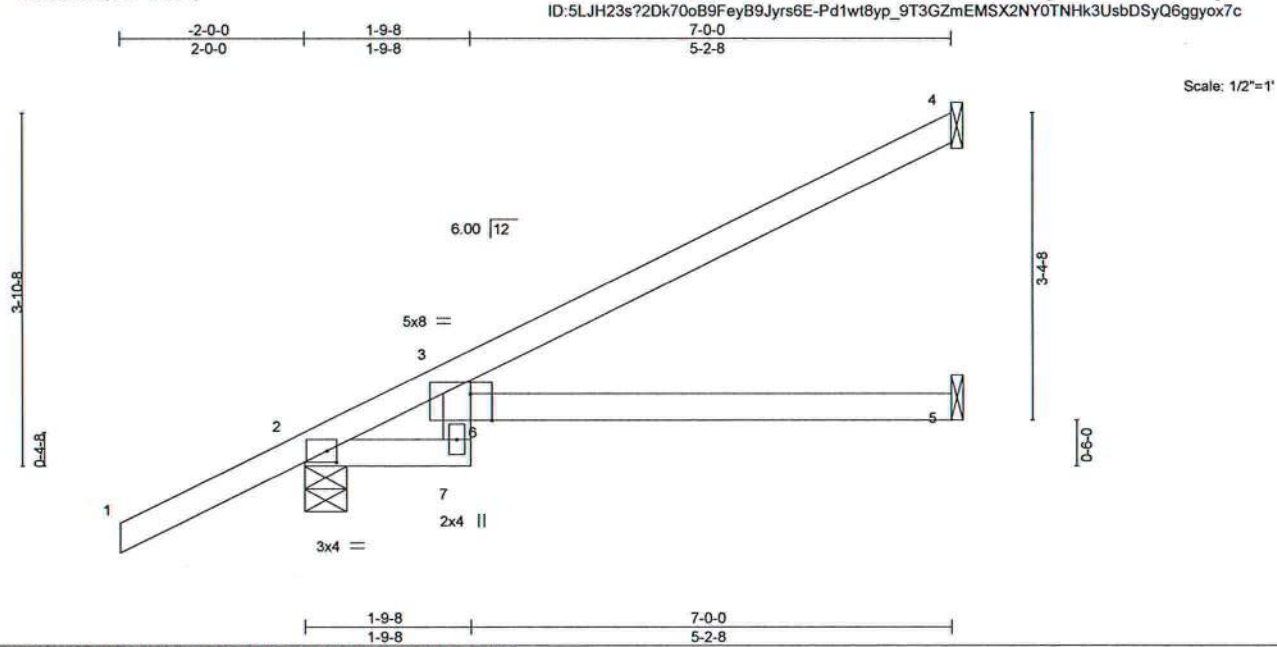


Plate Offsets (X,Y)-- [2:0-1-4,0-1-9], [3:0-1-12,0-0-14], [3:0-2-12,Edge], [6:0-0-0,0-1-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.82	Vert(LL)	0.18	5-6	>453	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.60	Vert(CT)	-0.31	5-6	>269	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.07	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MR							Weight: 27 lb	FT = 20%

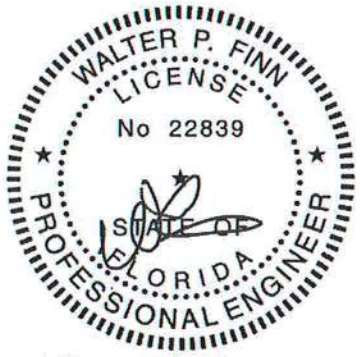
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
3-7: 2x4 SP No.3

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

REACTIONS. (size) 4=Mechanical, 2=0-5-8, 5=Mechanical
Max Horz 2=234(LC 12)
Max Uplift 4=-160(LC 12), 2=-179(LC 12), 5=-13(LC 12)
Max Grav 4=232(LC 1), 2=530(LC 1), 5=130(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-429/69
BOT CHORD 2-7=-260/386

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5 except (jt=lb) 4=160, 2=179.



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Job	Truss	Truss Type	Qty	Ply	
2432497	EJ01	Jack-Partial	2	1	T20988955
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:34:32 2020 Page 1
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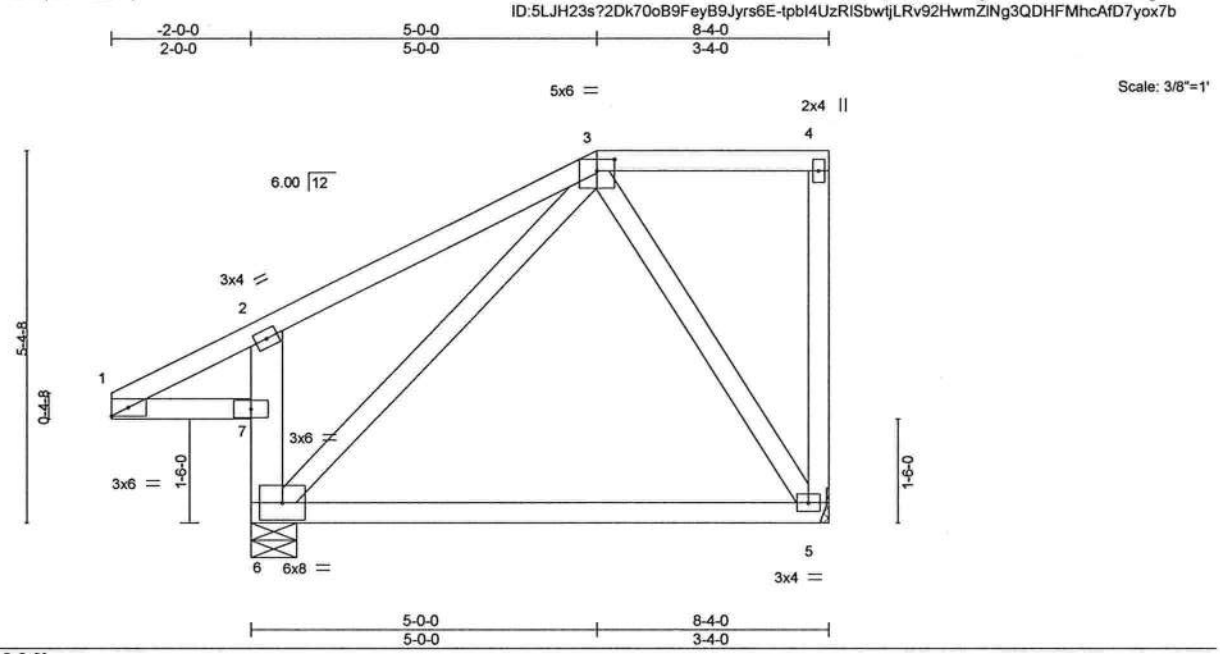

Plate Offsets (X,Y)-- [3:0-3-0,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.36	Vert(LL)	-0.17	5-6	>579	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.65	Vert(CT)	-0.33	5-6	>289	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.17	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 63 lb	FT = 20%

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

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

REACTIONS. (size) 6=0-8-0, 5=Mechanical
Max Horz 6=191(LC 12)
Max Uplift 6=-165(LC 12), 5=-171(LC 9)
Max Grav 6=685(LC 2), 5=385(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 6-7=-444/522, 2-7=-410/437
WEBS 3-5=-231/285

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=165, 5=171.

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Job	Truss	Truss Type	Qty	Ply	
2432497	EJ02	Roof Special Girder	2	1	T20988956

Job Reference (optional)

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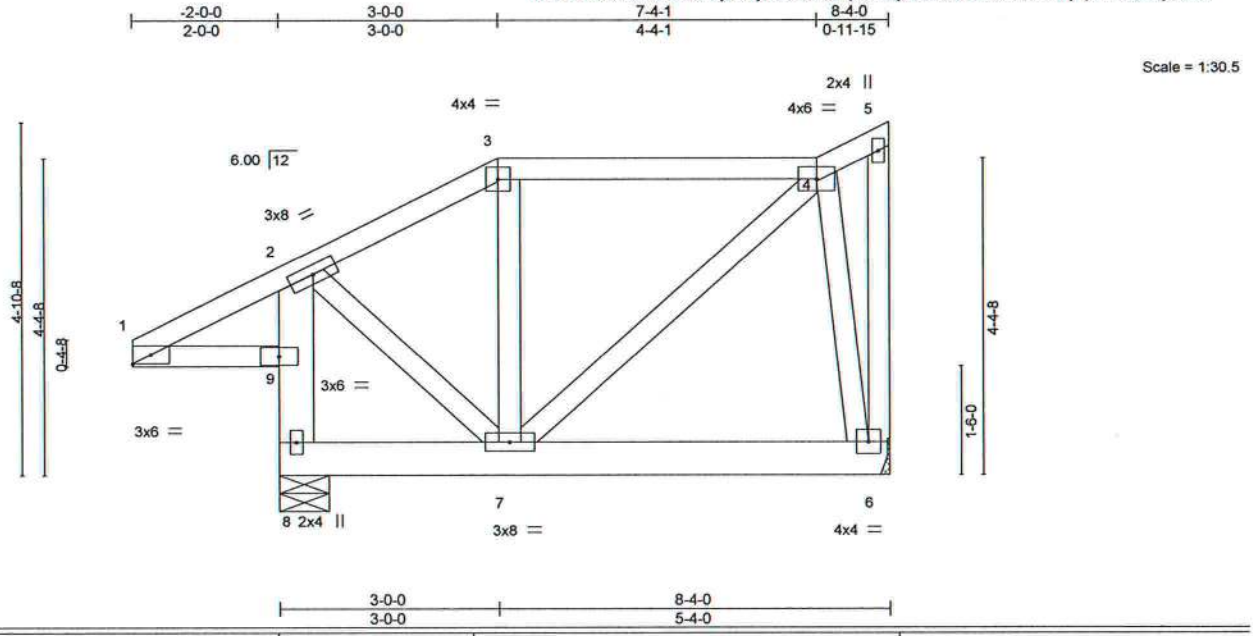


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.33	Vert(LL)	-0.01	6-7	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.10	Vert(CT)	-0.01	6-7	>999	180		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.15	Horz(CT)	-0.00	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 75 lb	FT = 20%

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

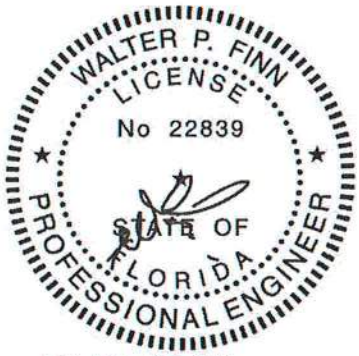
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. Except:
6-0-0 oc bracing: 8-9
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (size) 6=Mechanical, 8=0-8-0
Max Horz 8=158(LC 8)
Max Uplift 6=-290(LC 8), 8=-349(LC 8)
Max Grav 6=402(LC 2), 8=714(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-271/207, 8-9=-687/349, 2-9=-625/338
WEBS 4-6=-397/326, 2-7=-198/377

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; cantilever left exposed ; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=290, 8=349.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 61 lb down and 254 lb up at 3-0-0 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: 1-2=-80, 2-3=-80, 3-4=-80, 4-5=-80, 6-8=-20, 9-10=-20
Concentrated Loads (lb)
Vert: 7=-61(F)



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Date:
August 11,2020

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Job	Truss	Truss Type	Qty	Ply	T20988957
2432497	EJ03	Roof Special	2	1	Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:34:33 2020 Page 1
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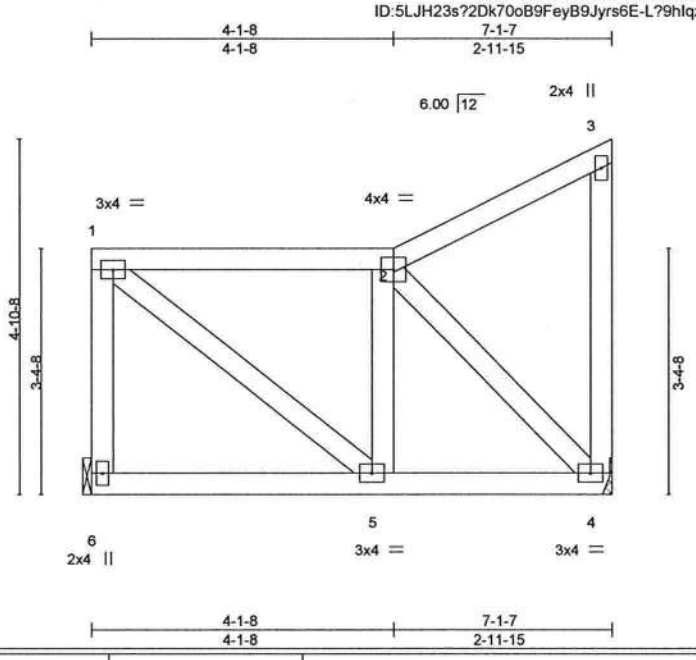

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LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.25	Vert(LL)	-0.01	5-6	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.13	Vert(CT)	-0.01	5-6	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.11	Horz(CT)	-0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 49 lb	FT = 20%

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

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

REACTIONS. (size) 6=Mechanical, 4=Mechanical
Max Horz 6=76(LC 12)
Max Uplift 6=-101(LC 8), 4=-178(LC 12)
Max Grav 6=358(LC 2), 4=358(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-6=-304/166
WEBS 1-5=-51/256, 2-4=-318/234

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Refer to girder(s) for truss to truss connections.
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=101, 4=178.

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Job	Truss	Truss Type	Qty	Ply	
2432497	EJ04	Jack-Open Girder	1	1	T20988958
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:34:34 2020 Page 1
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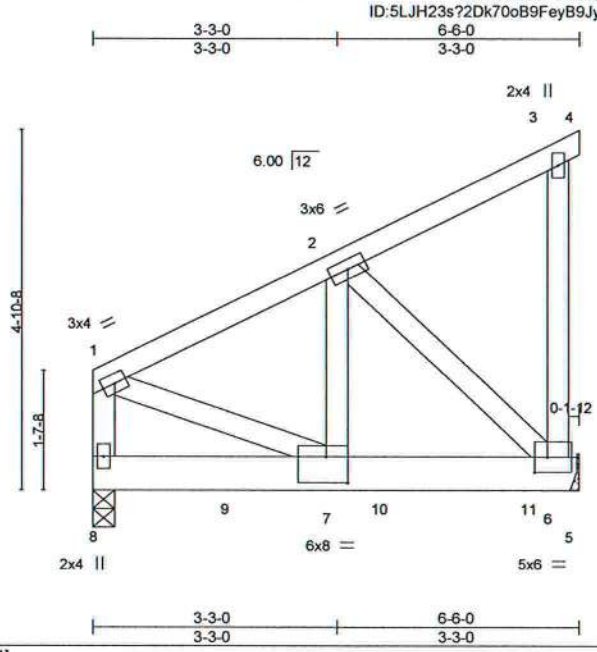

Plate Offsets (X,Y)— [6:0-2-0,0-2-8], [7:0-3-8,0-4-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.18	Vert(LL)	-0.01	7-8	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.47	Vert(CT)	-0.02	7-8	>999	180		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.39	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 47 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-10-15 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 8=0-3-8, 6=Mechanical
Max Horz 8=171(LC 8)
Max Uplift 8=-259(LC 8), 6=-567(LC 8)
Max Grav 8=1081(LC 2), 6=1585(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-8=-846/210, 1-2=-951/212
BOT CHORD 6-7=-321/824
WEBS 1-7=-164/894, 2-6=-1146/446, 2-7=-264/953

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=259, 6=567.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 667 lb down and 206 lb up at 1-10-12, and 667 lb down and 206 lb up at 3-10-12, and 674 lb down and 202 lb up at 5-10-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-80, 3-4=-40, 5-8=-20
Concentrated Loads (lb)
Vert: 9=-620(F) 10=-620(F) 11=-624(F)

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Job	Truss	Truss Type	Qty	Ply	
2432497	EJ05	Jack-Open Girder	1	1	T20988959
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:34:35 2020 Page 1
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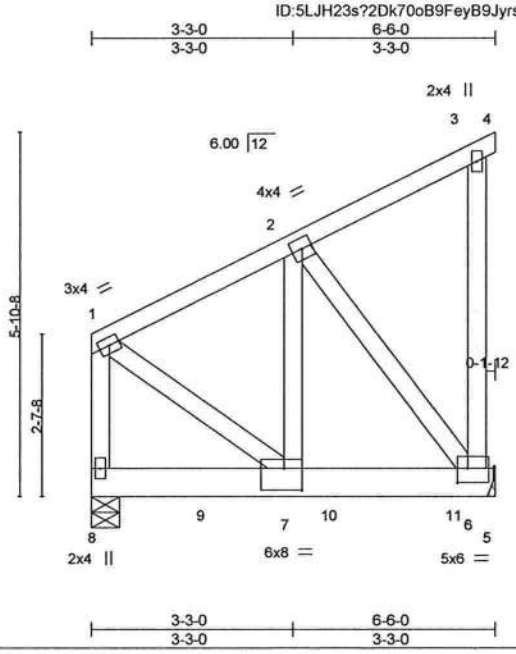

Plate Offsets (X,Y)-- [6:0-2-0,0-2-12], [7:0-3-8,0-4-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.18	Vert(LL)	-0.01	7-8	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.45	Vert(CT)	-0.02	7-8	>999	180		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.46	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 54 lb	FT = 20%

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

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

REACTIONS. (size) 8=0-5-8, 6=Mechanical
Max Horz 8=171(LC 8)
Max Uplift 8=-231(LC 8), 6=-595(LC 8)
Max Grav 8=1094(LC 2), 6=1605(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-8=-859/182, 1-2=-724/143
BOT CHORD 6-7=-260/622
WEBS 2-7=-263/864, 1-7=-133/775, 2-6=-1022/428

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=231, 6=595.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 678 lb down and 206 lb up at 1-10-12, and 678 lb down and 206 lb up at 3-10-12, and 685 lb down and 202 lb up at 5-10-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-80, 3-4=-40, 5-8=-20
Concentrated Loads (lb)
Vert: 9=-620(B) 10=-620(B) 11=-624(B)

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Job	Truss	Truss Type	Qty	Ply	
2432497	EJ06	Jack-Partial	12	1	T20988960
					Job Reference (optional)

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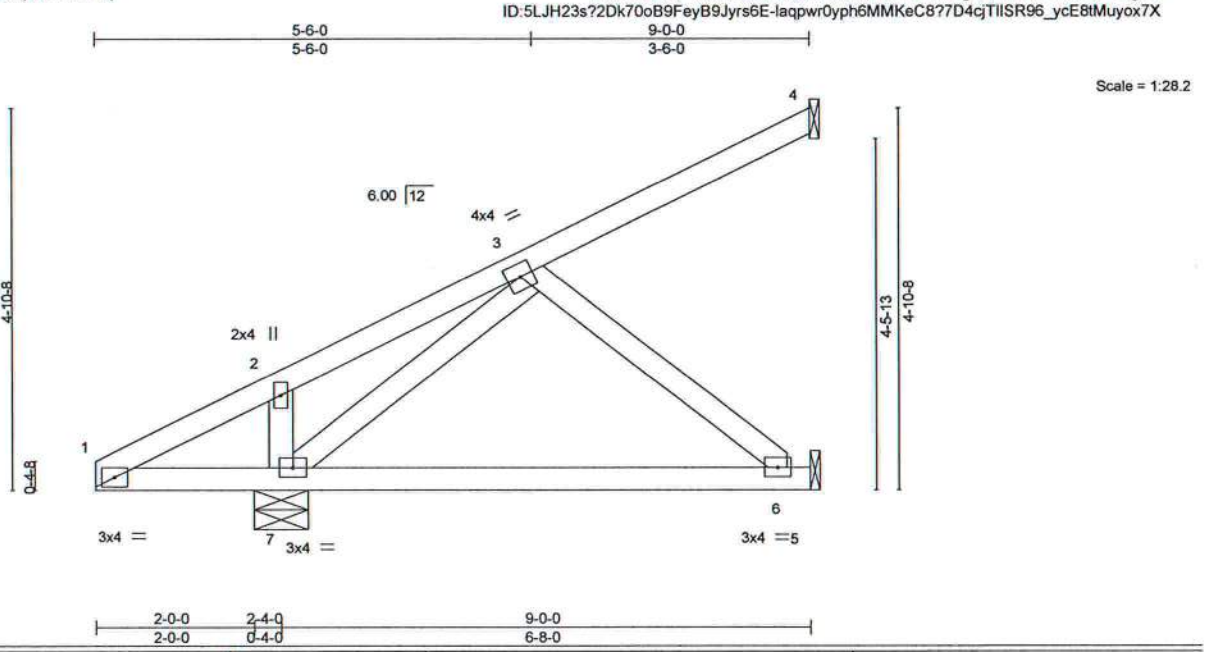

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.21	Vert(LL)	0.17	6-7	>471	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.52	Vert(CT)	0.15	6-7	>533	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.12	Horz(CT)	-0.01	4	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		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 6-0-0 oc bracing.

REACTIONS. (size) 4=Mechanical, 5=Mechanical, 7=0-8-0
Max Horz 7=242(LC 12)
Max Uplift 4=-85(LC 12), 5=-143(LC 9), 7=-156(LC 12)
Max Grav 4=116(LC 1), 5=201(LC 2), 7=635(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-6=-211/315, 3-7=-337/29

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 5=143, 7=156.

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Job	Truss	Truss Type	Qty	Ply	
2432497	EJ07	Jack-Partial	1	1	T20988961
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:34:36 2020 Page 1
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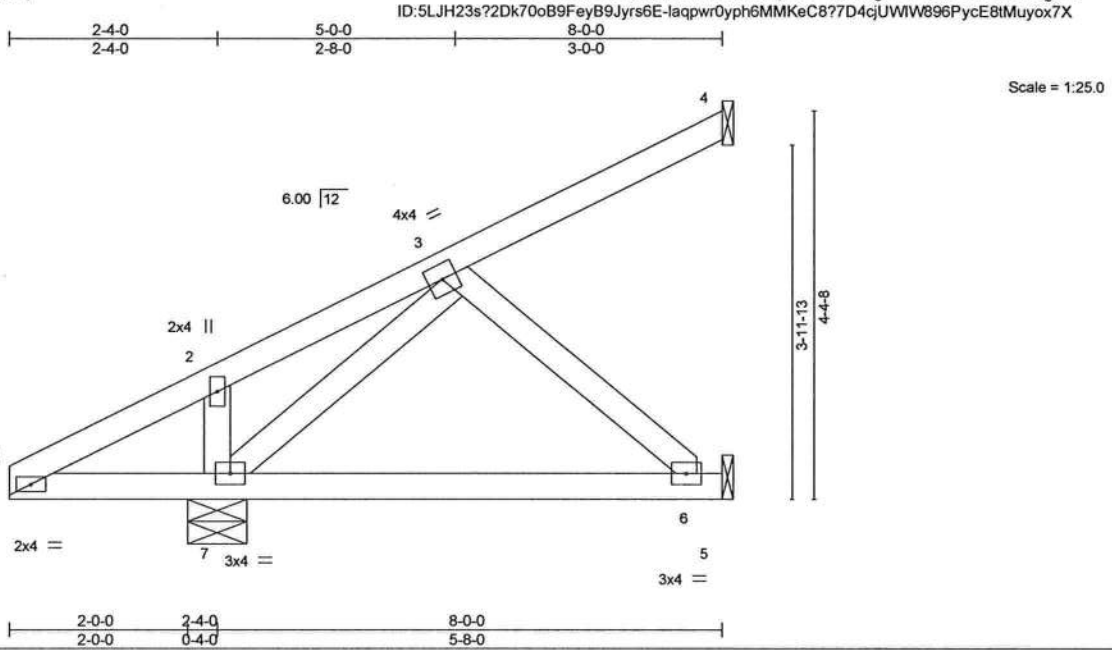

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.16	Vert(LL)	-0.03	6-7	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.28	Vert(CT)	-0.07	6-7	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.09	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 37 lb	FT = 20%

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

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

REACTIONS. (size) 4=Mechanical, 5=Mechanical, 7=0-8-0
Max Horz 7=215(LC 12)
Max Uplift 4=-73(LC 12), 5=-97(LC 12), 7=-145(LC 12)
Max Grav 4=101(LC 1), 5=163(LC 19), 7=590(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-277/181
BOT CHORD 1-7=-125/278
WEBS 3-7=-319/180

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 5 except (jt=lb) 7=145.

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August 11,2020

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
2432497	EJ08	Jack-Partial	13	1	T20988962
					Job Reference (optional)

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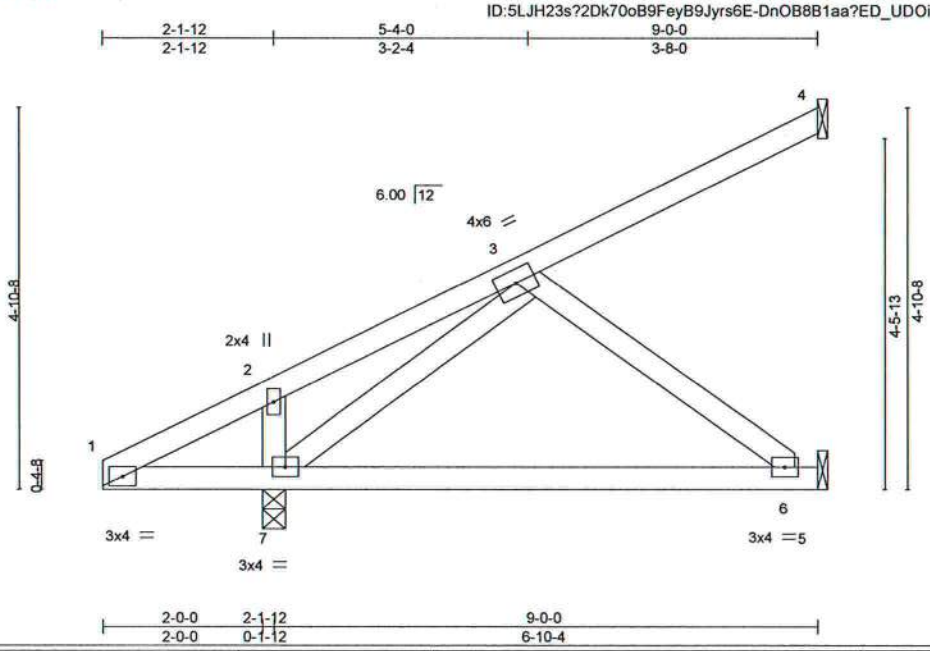


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.22	Vert(LL)	0.19	6-7	>437	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.55	Vert(CT)	0.16	6-7	>494	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.11	Horz(CT)	-0.01	4	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 42 lb	FT = 20%

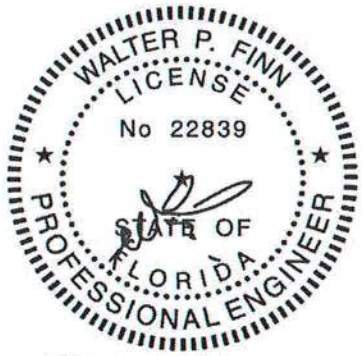
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

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

REACTIONS. (size) 4=Mechanical, 5=Mechanical, 7=0-3-8
Max Horz 7=242(LC 12)
Max Uplift 4=-89(LC 12), 5=-145(LC 9), 7=-152(LC 12)
Max Grav 4=121(LC 1), 5=214(LC 2), 7=617(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
BOT CHORD 6-7=-274/183
WEBS 3-6=-231/345, 3-7=-326/37

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 5=145, 7=152.



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

August 11,2020

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	T20988963
2432497	EJ09	Jack-Partial	2	1	Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:34:38 2020 Page 1
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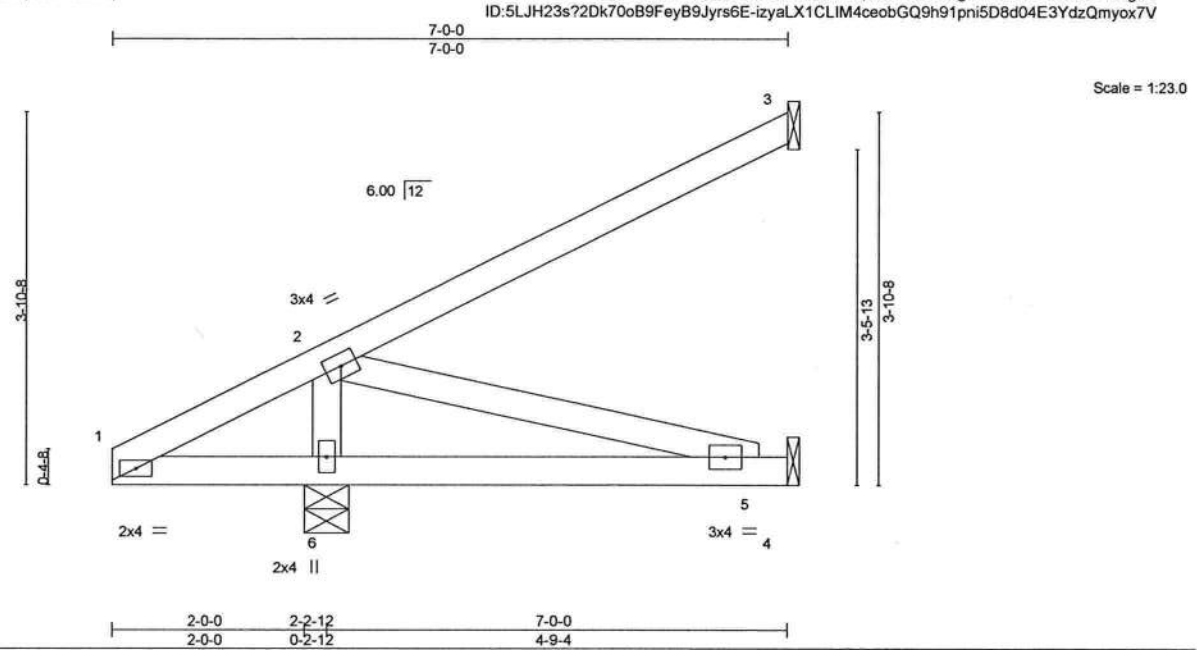

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.37	Vert(LL)	0.05	5-6	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.25	Vert(CT)	0.04	5-6	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 30 lb	FT = 20%

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

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

REACTIONS. (size) 3=Mechanical, 4=Mechanical, 6=0-5-8
Max Horz 6=188(LC 12)
Max Uplift 3=-113(LC 12), 4=-74(LC 9), 6=-132(LC 12)
Max Grav 3=152(LC 1), 4=69(LC 3), 6=537(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-6=-429/271

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 3=113, 6=132.

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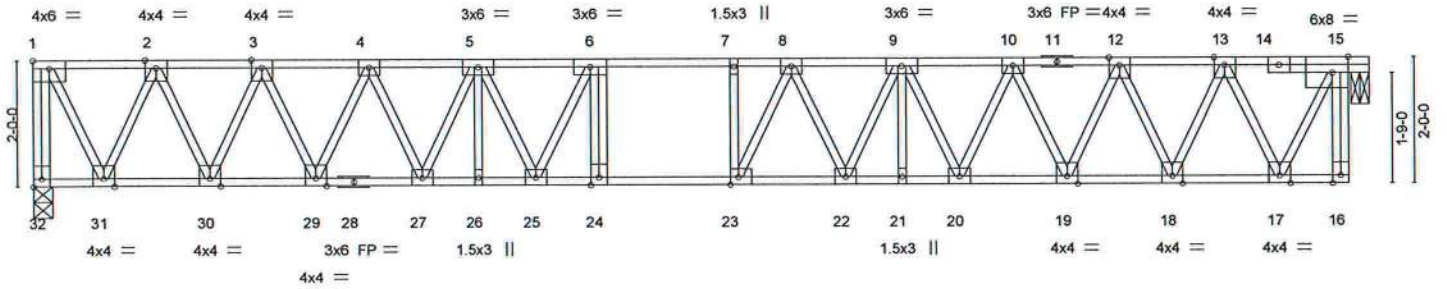
Job	Truss	Truss Type	Qty	Ply	
2432497	F01	Floor	10	1	T20988964
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:34:39 2020 Page 1
ID:5LJH23s?2Dk70oB9FeyB9Jyrs6E-A9WyYt2q6cUxDoNnq7gwiELv2VN1MOHOICMXyDyox7U

0-10-0 1-11-4 0-3-12

Scale = 1:35.0



20-6-12 20-10-12
20-6-12 0-4-0

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [15:0-3-0,Edge], [23:0-1-8,Edge], [32:Edge,0-1-8]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.52	Vert(LL)	-0.14	22-23	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.00	BC	0.91	Vert(CT)	-0.21	22-23	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.40	Horz(CT)	-0.01	15	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-S							Weight: 147 lb	FT = 20%F, 11%E

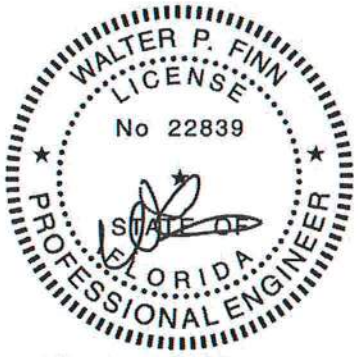
LUMBER-
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat)
WEBS 2x4 SP No.3(flat)

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) 32=0-3-8, 15=0-3-8
Max Grav 32=812(LC 1), 15=812(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-32=-809/0, 1-2=-386/0, 2-3=-986/0, 3-4=-1461/0, 4-5=-1817/0, 5-6=-2070/0, 6-7=-2183/0, 7-8=-2183/0, 8-9=-2071/0, 9-10=-1818/0, 10-12=-1461/0, 12-13=-985/0, 13-15=-394/0
BOT CHORD 30-31=0/719, 29-30=0/1249, 27-29=0/1667, 26-27=0/1973, 25-26=0/1973, 24-25=0/2183, 23-24=0/2183, 22-23=0/2149, 21-22=0/1974, 20-21=0/1974, 19-20=0/1666, 18-19=0/1250, 17-18=0/715
WEBS 15-17=0/836, 1-31=0/848, 13-17=-798/0, 2-31=-819/0, 13-18=0/664, 2-30=0/659, 12-18=-653/0, 3-30=-646/0, 12-19=0/519, 3-29=0/521, 10-19=-507/0, 4-29=-509/0, 10-20=0/372, 4-27=0/367, 9-20=-364/0, 5-27=-362/0, 5-25=0/298, 8-22=-261/0, 6-25=-438/26, 8-23=-157/343

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) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
5) CAUTION, Do not erect truss backwards.



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Date:
August 11,2020

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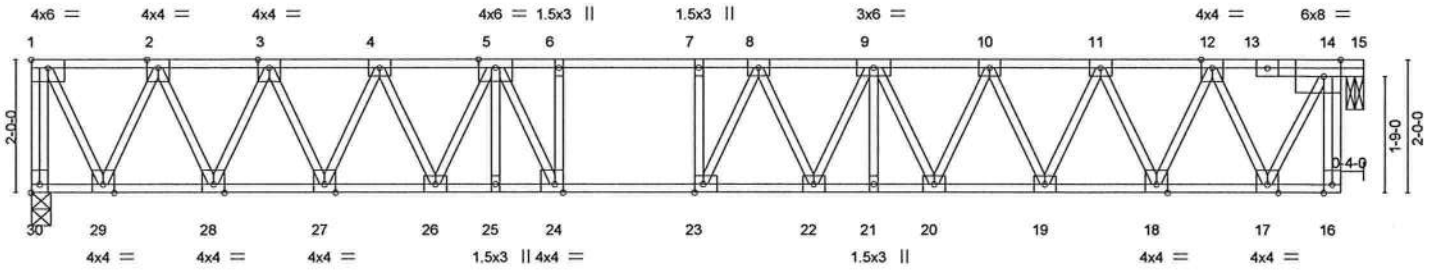
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	T20988965
2432497	F02	Floor	11	1	Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:34:40 2020 Page 1
ID:5LJH23s?2Dk70oB9FeyB9Jyrs6E-eM4KmD3StwcoryyzNrC9FSu1hviH5pDXXs64Vfyox7T

0-10-0 1-11-8 0-3-12

Scale = 1:33.4



19-7-8 19-11-8
19-7-8 0-4-0

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [14:0-3-0,Edge], [23:0-1-8,Edge], [24:0-1-8,Edge], [30:Edge,0-1-8]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.72	Vert(LL)	-0.16	22-23	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.00	BC	0.98	Vert(CT)	-0.24	22-23	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.49	Horz(CT)	-0.01	15	n/a	n/a		
BCDL	5.0	Code FBC2017/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, Except: 2-2-0 oc bracing: 23-24,22-23.

REACTIONS. (size) 30=0-3-8, 15=0-3-0
Max Grav 30=793(LC 1), 15=790(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-30=-789/0, 1-2=-376/0, 2-3=-959/0, 3-4=-1417/0, 4-5=-1754/0, 5-6=-2061/0, 6-7=-2061/0, 7-8=-2061/0, 8-9=-2035/0, 9-10=-1830/0, 10-11=-1520/0, 11-12=-1105/0, 12-14=-479/0
BOT CHORD 28-29=0/700, 27-28=0/1213, 26-27=0/1617, 25-26=0/1890, 24-25=0/1890, 23-24=0/2061, 22-23=0/2081, 21-22=0/1957, 20-21=0/1957, 19-20=0/1705, 18-19=0/1329, 17-18=0/876
WEBS 14-17=0/1024, 1-29=0/827, 12-17=-979/0, 2-29=-798/0, 12-18=0/563, 2-28=0/638, 11-18=-552/0, 3-28=-624/0, 11-19=0/469, 3-27=0/503, 10-19=-457/0, 4-27=-492/0, 10-20=0/307, 4-26=0/338, 9-20=-295/0, 5-26=-315/0, 5-24=0/572, 6-24=-307/0

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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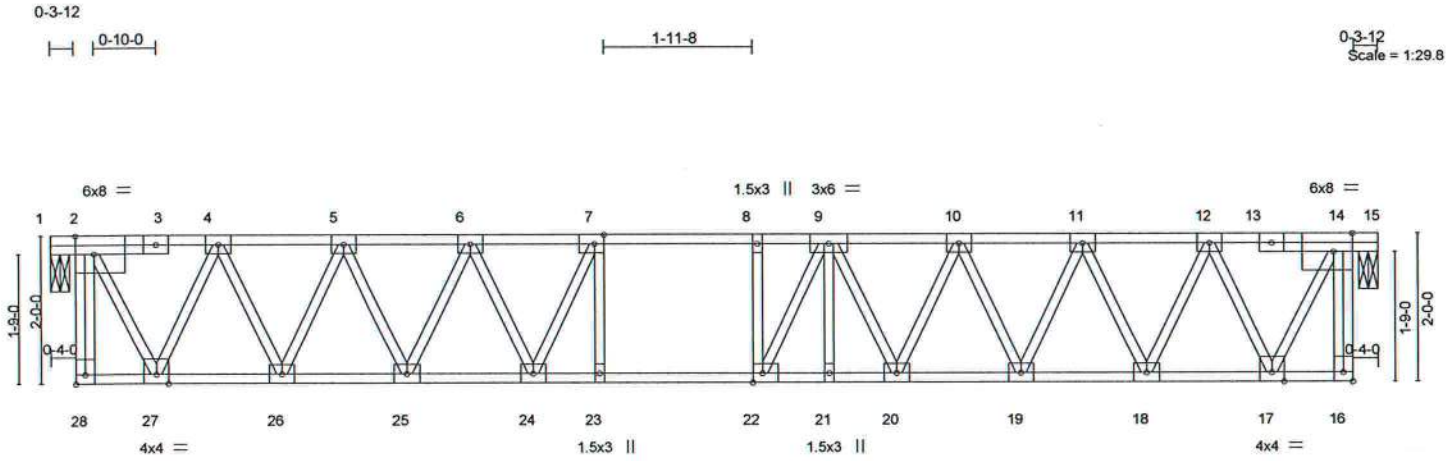
Job	Truss	Truss Type	Qty	Ply	
2432497	F03	Floor	4	1	T20988966
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:34:41 2020 Page 1
ID:5LJH23s?2Dk70oB9FeyB9Jyrs6E-6YeizZ44dDkeT5X9xYjOnfRE2J6sqHOhlWre15yox7S



0-4-0 17-4-0 17-8-0
0-4-0 17-0-0 0-4-0

Plate Offsets (X,Y)-- [2:0-3-0,Edge], [7:0-1-8,Edge], [14:0-3-0,Edge], [16:Edge,0-1-8], [22:0-1-8,Edge], [28:Edge,0-1-8]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.62	Vert(LL)	-0.11	21-22	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.00	BC	0.76	Vert(CT)	-0.16	21-22	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.43	Horz(CT)	-0.03	15	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-S							Weight: 122 lb	FT = 20%F, 11%E

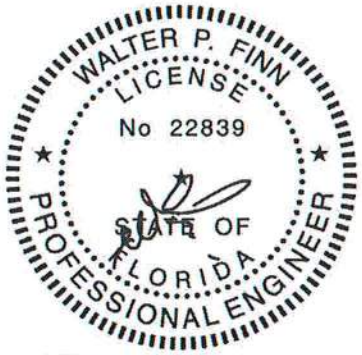
LUMBER-
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat)
WEBS 2x4 SP No.3(flat)

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) 1=0-3-0, 15=0-3-0
Max Grav 1=704(LC 1), 15=704(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-421/0, 4-5=-962/0, 5-6=-1300/0, 6-7=-1536/0, 7-8=-1646/0, 8-9=-1646/0, 9-10=-1532/0, 10-11=-1301/0, 11-12=-961/0, 12-14=-421/0
BOT CHORD 26-27=0/769, 25-26=0/1150, 24-25=0/1443, 23-24=0/1646, 22-23=0/1646, 21-22=0/1622, 20-21=0/1622, 19-20=0/1447, 18-19=0/1149, 17-18=0/770
WEBS 14-17=0/900, 2-27=0/900, 12-17=-859/0, 4-27=-858/0, 12-18=0/472, 4-26=0/473, 11-18=-461/0, 5-26=-464/0, 11-19=0/374, 5-25=0/369, 10-19=-361/0, 6-25=-352/0, 6-24=0/295, 7-24=-399/0, 9-22=-163/306

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.



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Date:

August 11,2020

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	T20988967
2432497	F04	FLOOR	10	1	Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:34:42 2020 Page 1
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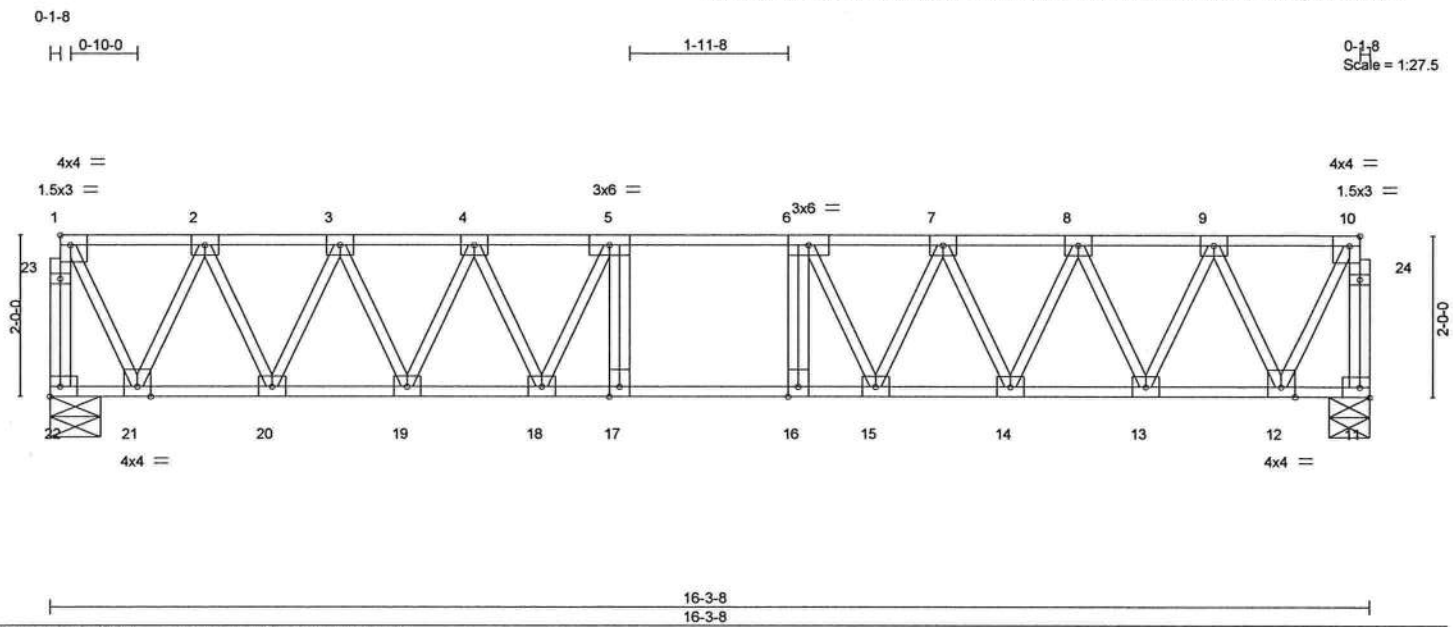

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [10:0-1-8,Edge]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.37	Vert(LL)	-0.08	17-18	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.00	BC	0.61	Vert(CT)	-0.10	17-18	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.31	Horz(CT)	0.02	11	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-S							Weight: 115 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) 22=0-7-8, 11=0-6-0
Max Grav 22=637(LC 1), 11=637(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-22=-634/0, 10-11=-634/0, 1-2=-299/0, 2-3=-747/0, 3-4=-1070/0, 4-5=-1276/0, 5-6=-1359/0, 6-7=-1276/0, 7-8=-1070/0, 8-9=-747/0, 9-10=-299/0
BOT CHORD 20-21=0/555, 19-20=0/935, 18-19=0/1200, 17-18=0/1359, 16-17=0/1359, 15-16=0/1359, 14-15=0/1200, 13-14=0/935, 12-13=0/555
WEBS 10-12=0/646, 1-21=0/646, 9-12=-629/0, 2-21=-629/0, 9-13=0/474, 2-20=0/474, 8-13=-461/0, 3-20=-461/0, 8-14=0/333, 3-19=0/333, 7-14=-320/0, 4-19=-320/0, 6-15=-329/8, 5-18=-329/8

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.

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August 11,2020

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Job	Truss	Truss Type	Qty	Ply	
2432497	F05	Floor	11	1	T20988968
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:34:43 2020 Page 1
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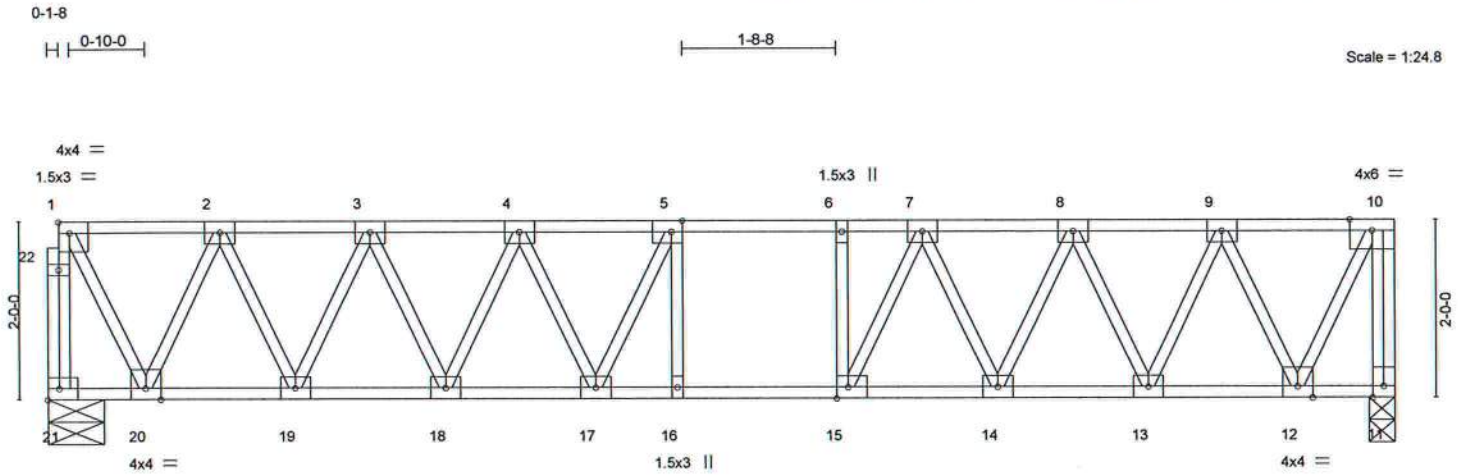

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [5:0-1-8,Edge], [15:0-1-8,Edge]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.35	Vert(LL)	-0.06	16-17	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.00	BC	0.55	Vert(CT)	-0.08	16-17	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.28	Horz(CT)	0.02	11	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-S							Weight: 103 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) 21=0-7-8, 11=0-3-8
Max Grav 21=584(LC 1), 11=588(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-21=-581/0, 10-11=-584/0, 1-2=-272/0, 2-3=-673/0, 3-4=-948/0, 4-5=-1105/0, 5-6=-1140/0, 6-7=-1140/0, 7-8=-944/0, 8-9=-674/0, 9-10=-271/0
BOT CHORD 19-20=0/504, 18-19=0/836, 17-18=0/1057, 16-17=0/1140, 15-16=0/1140, 14-15=0/1053, 13-14=0/837, 12-13=0/505
WEBS 10-12=0/597, 1-20=0/587, 9-12=-574/0, 2-20=-571/0, 9-13=0/418, 2-19=0/415, 8-13=-400/0, 3-19=-401/0, 8-14=0/264, 3-18=0/277, 7-14=-268/0, 4-18=-269/0, 7-15=0/331

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.

Walter P. Finn PE No.22839
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
August 11,2020

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
2432497	F06	Floor	5	1	T20988969
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:34:44 2020 Page 1
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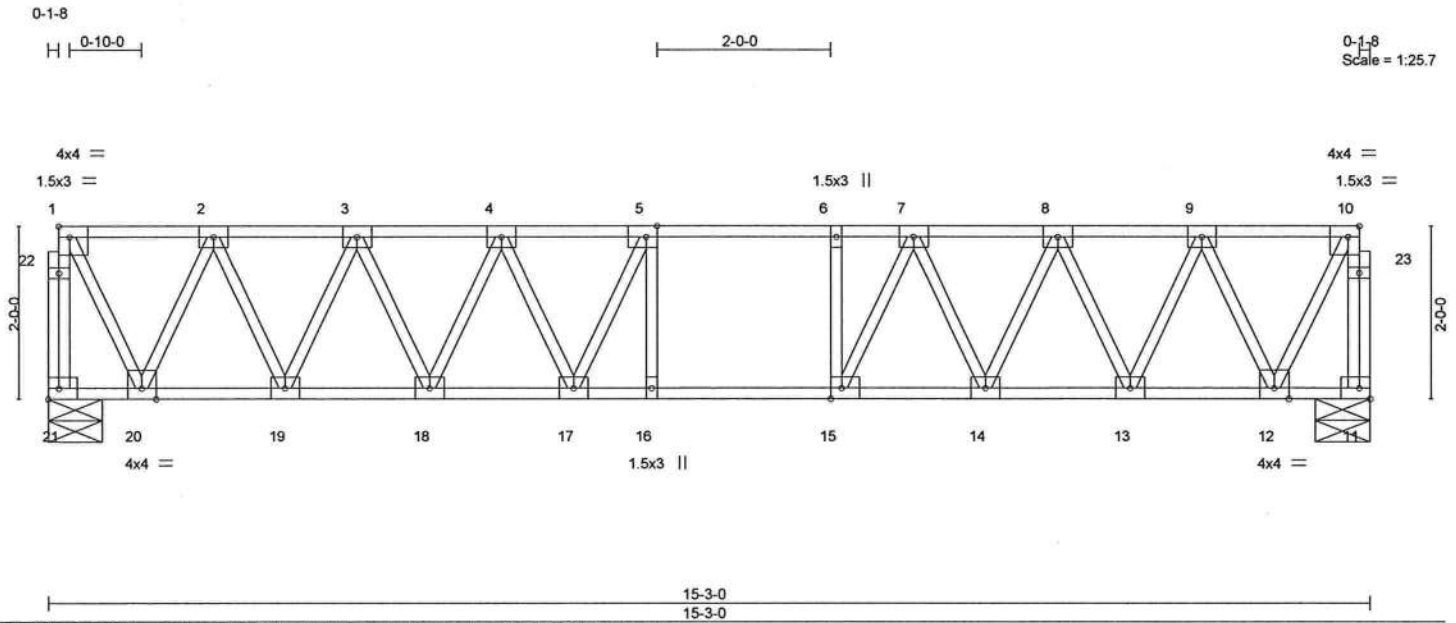

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [5:0-1-8,Edge], [10:0-1-8,Edge], [15:0-1-8,Edge]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.43	Vert(LL)	-0.07	16-17	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.00	BC	0.61	Vert(CT)	-0.10	16-17	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.29	Horz(CT)	0.02	11	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-S							Weight: 103 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) 21=0-7-8, 11=0-7-8
Max Grav 21=595(LC 1), 11=595(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-21=-592/0, 10-11=-592/0, 1-2=-278/0, 2-3=-689/0, 3-4=-975/0, 4-5=-1143/0, 5-6=-1183/0, 6-7=-1183/0, 7-8=-970/0, 8-9=-690/0, 9-10=-278/0
BOT CHORD 19-20=0/515, 18-19=0/857, 17-18=0/1089, 16-17=0/1183, 15-16=0/1183, 14-15=0/1084, 13-14=0/858, 12-13=0/515
WEBS 10-12=0/599, 1-20=0/600, 9-12=-584/0, 2-20=-584/0, 9-13=0/432, 2-19=0/428, 8-13=-414/0, 3-19=-414/0, 8-14=0/275, 3-18=0/289, 7-14=-281/0, 4-18=-281/0, 7-15=0/366

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.

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Job	Truss	Truss Type	Qty	Ply	
2432497	F07	Floor	1	1	T20988970
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:34:45 2020 Page 1
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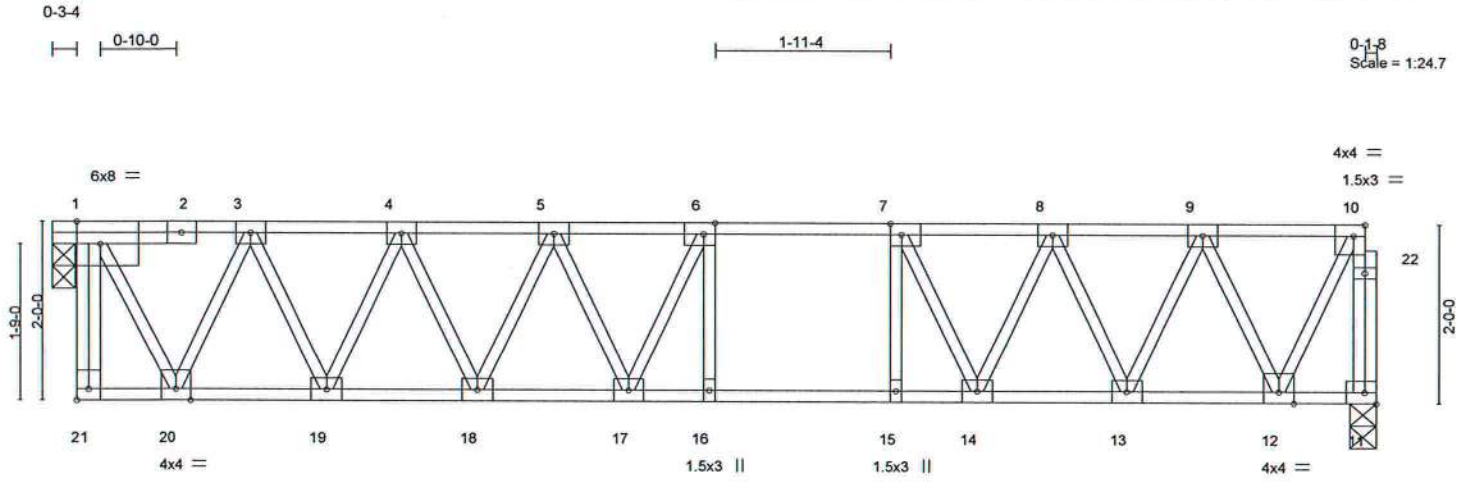


0-3-4 7-2-4 14-7-8
0-3-4 6-11-0 7-5-4

Plate Offsets (X,Y)– [1:0-3-0,Edge], [6:0-1-8,Edge], [7:0-1-8,Edge], [10:0-1-8,Edge], [21:Edge,0-1-8]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.43	Vert(LL)	-0.07	16-17	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.00	BC	0.68	Vert(CT)	-0.10	16-17	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.27	Horz(CT)	-0.02	11	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-S							Weight: 100 lb	FT = 20%F, 11%E

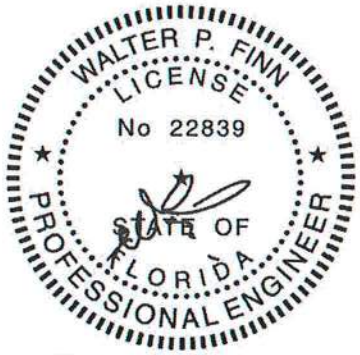
LUMBER-
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat)
WEBS 2x4 SP No.3(flat)

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) 11=0-3-8, 1=0-3-0
Max Grav 11=560(LC 1), 1=564(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 10-11=-556/0, 1-3=-265/0, 3-4=-638/0, 4-5=-893/0, 5-6=-1028/0, 6-7=-1035/0, 7-8=-895/0, 8-9=-638/0, 9-10=-260/0
BOT CHORD 19-20=0/479, 18-19=0/791, 17-18=0/994, 16-17=0/1035, 15-16=0/1035, 14-15=0/1035, 13-14=0/786, 12-13=0/482
WEBS 10-12=0/560, 1-20=0/561, 9-12=-547/0, 3-20=-532/0, 9-13=0/384, 3-19=0/392, 8-13=-363/0, 4-19=-378/0, 8-14=0/292, 4-18=0/252, 7-14=-402/0

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) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
5) CAUTION, Do not erect truss backwards.



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Job	Truss	Truss Type	Qty	Ply	T20988971
2432497	F08	Floor	7	1	Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:34:45 2020 Page 1
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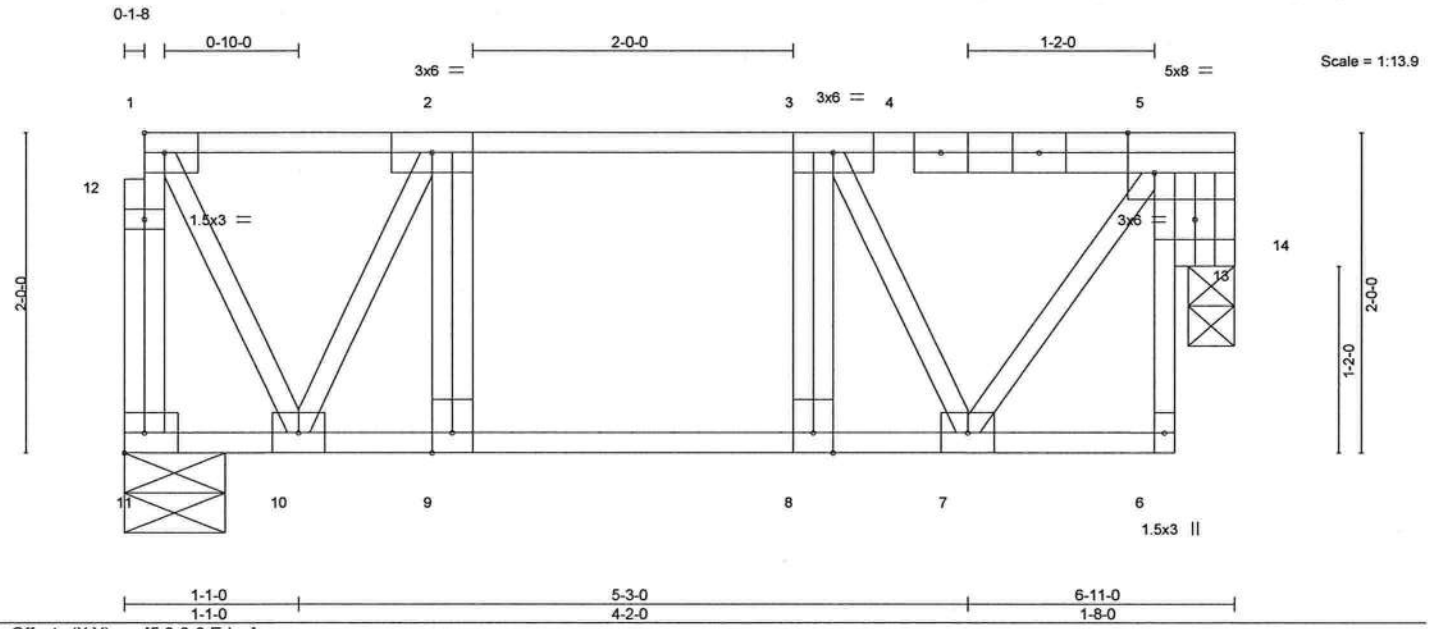

Plate Offsets (X,Y)-- [5:0-2-0,Edge]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.25	Vert(LL)	-0.02	8	>999	360	MT20	244/190
TCDL	15.0	Lumber DOL	1.00	BC	0.23	Vert(CT)	-0.02	8	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.11	Horz(CT)	0.00	14	n/a	n/a		
BCDL	5.0	Code FBC2017/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)
OTHERS 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) 11=0-7-8, 14=0-3-8
Max Grav 11=258(LC 1), 14=246(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-11=-251/0
WEBS 5-14=-256/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
3) Bearing at joint(s) 14 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
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	
2432497	HJ04	Diagonal Hip Girder	1	1	T20988972
					Job Reference (optional)

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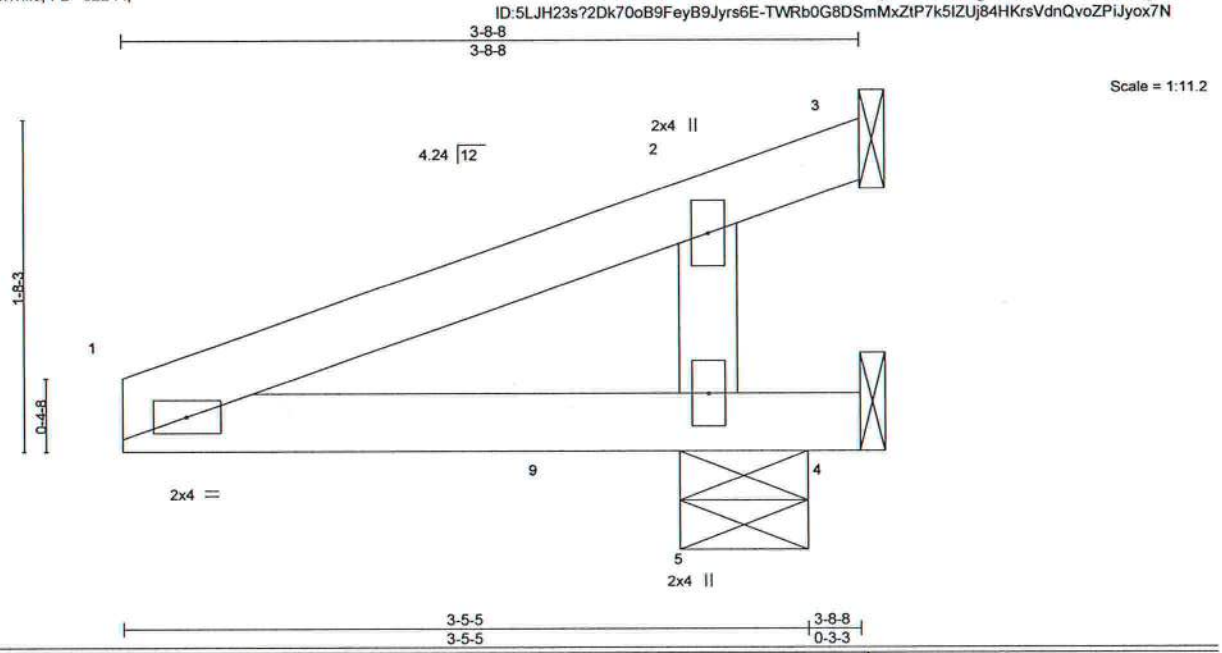


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.59	Vert(LL)	0.00	5	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.58	Vert(CT)	0.00	4-5	>999	180		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.10	Horz(CT)	-0.06	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 13 lb	FT = 20%

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

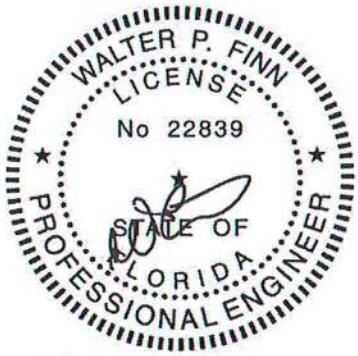
BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-8-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 3=Mechanical, 4=Mechanical, 5=0-7-12
Max Horz 5=70(LC 4)
Max Uplift 3=-312(LC 2), 4=-365(LC 2), 5=-624(LC 4)
Max Grav 3=162(LC 4), 4=200(LC 4), 5=1123(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-5=-543/313

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; cantilever left exposed ; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 3=312, 4=365, 5=624.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 42 lb down and 50 lb up at 2-2-8, and 42 lb down and 50 lb up at 2-2-8 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-80, 4-6=-20
Concentrated Loads (lb)
Vert: 9=-73(F=-36, B=-36)



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Job	Truss	Truss Type	Qty	Ply	T20988973
2432497	HJ06	Diagonal Hip Girder	1	1	Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:34:47 2020 Page 1
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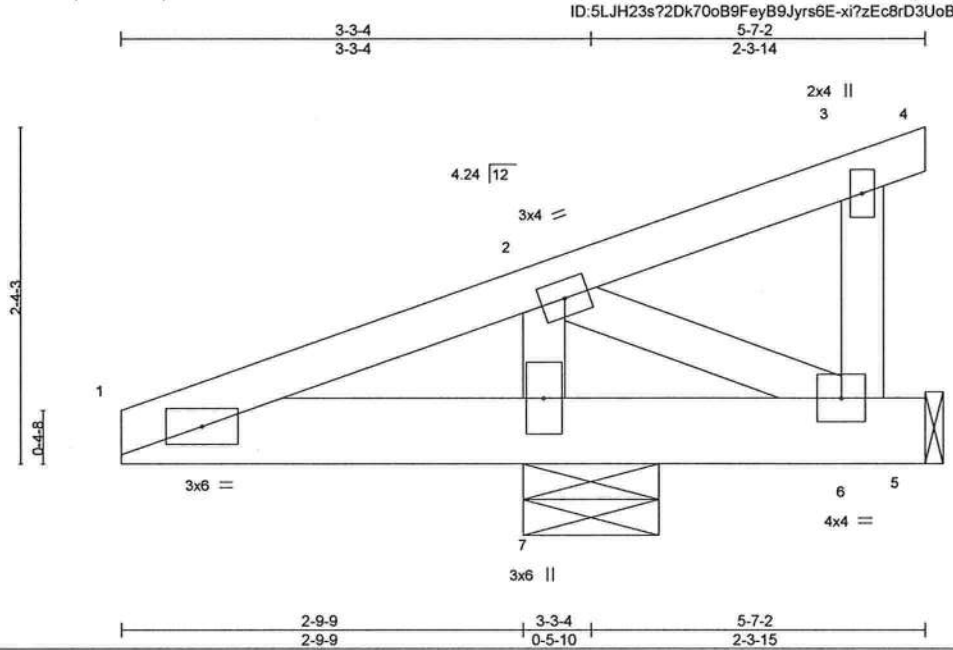

Scale = 1:15.5

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.36	Vert(LL)	0.00	6-7	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.15	Vert(CT)	0.01	6-7	>999	180		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.36	Horz(CT)	-0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 28 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-7-2 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (size) 5=Mechanical, 7=0-11-5
Max Horz 7=106(LC 4)
Max Uplift 5=-316(LC 17), 7=-493(LC 4)
Max Grav 5=114(LC 4), 7=1092(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-432/962
BOT CHORD 1-7=-872/437, 6-7=-885/331
WEBS 2-6=-365/976, 2-7=-913/418

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; cantilever left exposed ; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 5=316, 7=493.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 233 lb down and 84 lb up at 0-0-0 on top chord. The design/selection of such connection device(s) is the responsibility of others.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-80, 3-4=-80, 1-5=-20
Concentrated Loads (lb)
Vert: 1=-210(F)

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Job	Truss	Truss Type	Qty	Ply	
2432497	HJ06A	Diagonal Hip Girder	1	1	T20988974
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:34:49 2020 Page 1
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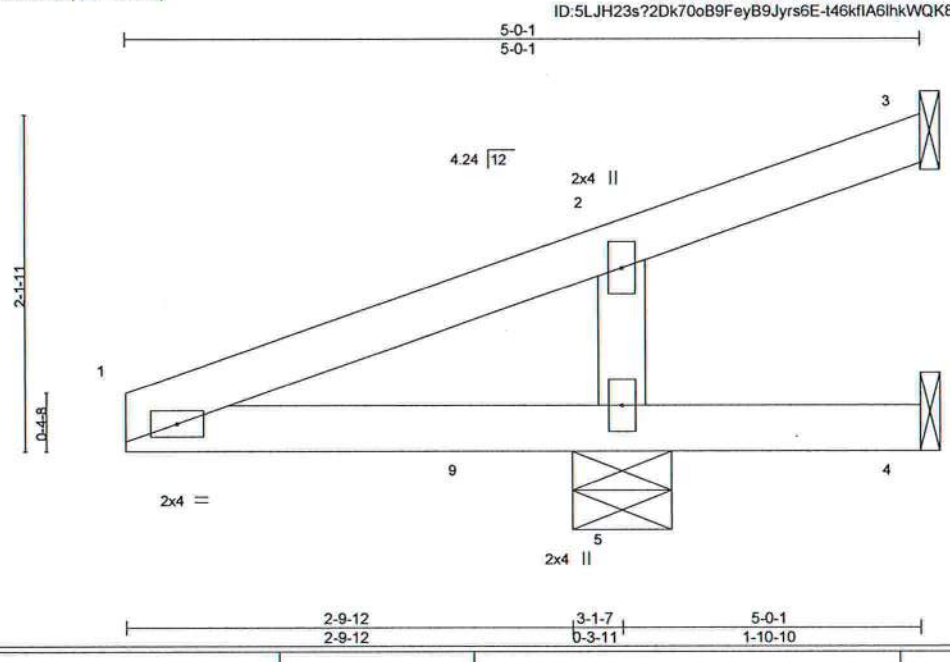


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.70	Vert(LL)	0.01	4-5	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.67	Vert(CT)	0.01	4-5	>999	180		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.08	Horz(CT)	-0.10	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 17 lb	FT = 20%

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

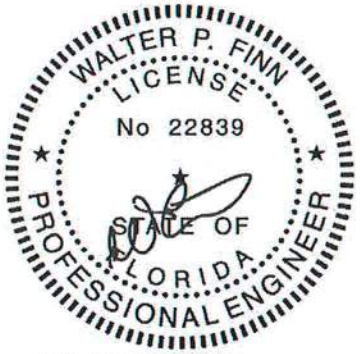
BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-0-1 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 3=Mechanical, 4=Mechanical, 5=0-7-6
Max Horz 5=95(LC 4)
Max Uplift 3=-89(LC 2), 4=-135(LC 1), 5=-421(LC 4)
Max Grav 3=29(LC 4), 4=79(LC 4), 5=799(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-5=-427/247

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; cantilever left exposed ; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3 except (jt=lb) 4=135, 5=421.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 42 lb down and 50 lb up at 2-2-8, and 42 lb down and 50 lb up at 2-2-8 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-80, 4-6=-20
Concentrated Loads (lb)
Vert: 9=-73(F=-36, B=-36)



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Job	Truss	Truss Type	Qty	Ply	
2432497	HJ07	Diagonal Hip Girder	1	1	T20988975
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:34:49 2020 Page 1
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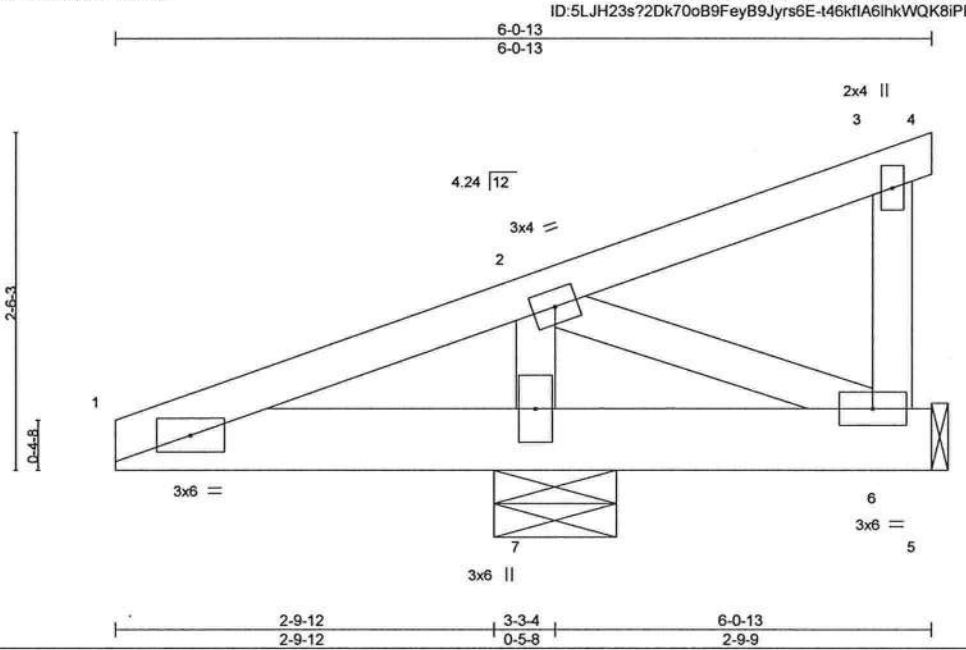

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.39	Vert(LL)	0.00	6-7	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.18	Vert(CT)	0.00	6-7	>999	180		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.36	Horz(CT)	-0.00	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 31 lb	FT = 20%

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

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

REACTIONS. (size) 7=0-10-15, 6=Mechanical
Max Horz 7=116(LC 4)
Max Uplift 7=-514(LC 4), 6=-326(LC 17)
Max Grav 7=1139(LC 2), 6=111(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-443/971
BOT CHORD 1-7=-877/448, 6-7=-891/332
WEBS 2-7=-897/423, 2-6=-359/964

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; cantilever left exposed ; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=514, 6=326.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 233 lb down and 84 lb up at 0-0-0 on top chord. The design/selection of such connection device(s) is the responsibility of others.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-80, 3-4=-40, 1-5=-20
Concentrated Loads (lb)
Vert: 1=-210(F)

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August 11,2020

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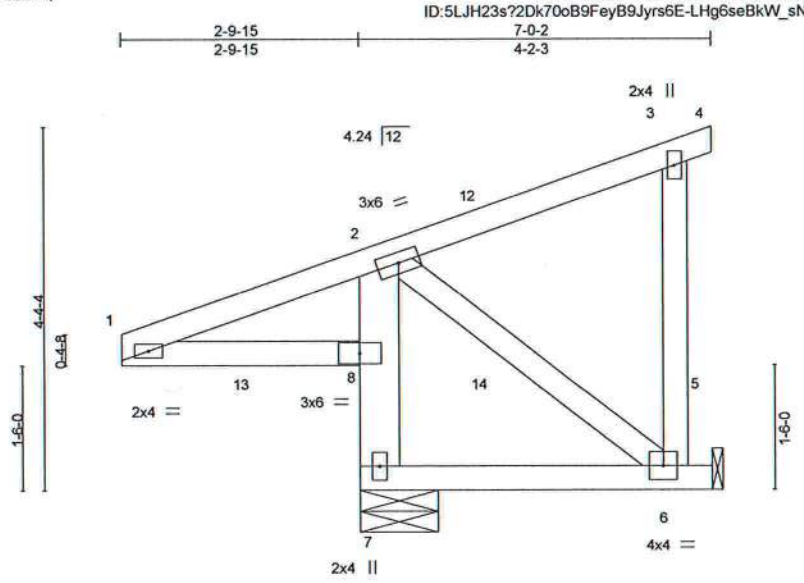
Job	Truss	Truss Type	Qty	Ply	
2432497	HJ08	Diagonal Hip Girder	2	1	T20988976 Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:34:50 2020 Page 1
ID:5LJH23s?2Dk70oB9FeyB9Jyrs6E-LHg6seBkW_sN2UjuzxNVeZJrXxGPRRs0qQXcr4yox7J



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.32	Vert(LL)	0.04	6-7	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.41	Vert(CT)	-0.04	6-7	>999	180		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.09	Horz(CT)	-0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 39 lb	FT = 20%

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

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

REACTIONS. (size) 7=0-10-15, 5=Mechanical
Max Horz 7=133(LC 4)
Max Uplift 7=-522(LC 4), 5=-226(LC 8)
Max Grav 7=767(LC 35), 5=108(LC 35)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-198/410
BOT CHORD 1-8=-345/208, 7-8=-558/338, 2-8=-467/289
WEBS 2-6=0/268

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; cantilever left exposed ; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=522, 5=226.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 76 lb down and 291 lb up at 4-4-0 on top chord, and 23 lb down and 32 lb up at 1-6-1, 23 lb down and 32 lb up at 1-6-1, and 313 lb down and 129 lb up at 4-4-0 , and 226 lb up at 4-4-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-80, 3-4=-80, 8-9=-20, 5-7=-20
Concentrated Loads (lb)
Vert: 12=166(F) 13=-44(F=-22, B=-22) 14=-205(F=108, B=-313)

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Job	Truss	Truss Type	Qty	Ply	T20988977
2432497	HJ10	Diagonal Hip Girder	2	1	Job Reference (optional)

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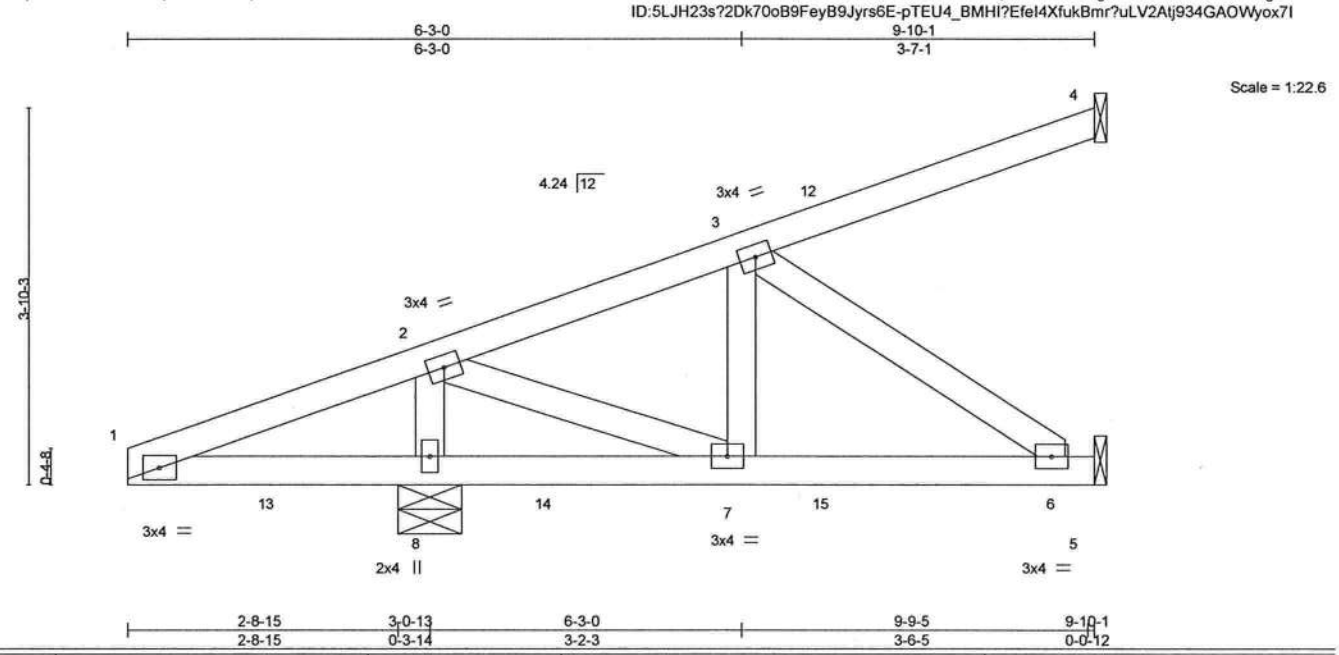

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.34	Vert(LL)	0.02	7-8	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.84	Vert(CT)	0.05	7-8	>999	180		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.18	Horz(CT)	-0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		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 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-5-11 oc bracing.

REACTIONS. (size) 4=Mechanical, 5=Mechanical, 8=0-7-12
Max Horz 8=187(LC 4)
Max Uplift 4=-78(LC 4), 5=-196(LC 4), 8=-614(LC 4)
Max Grav 4=117(LC 1), 5=147(LC 35), 8=736(LC 35)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-195/527
BOT CHORD 1-8=-446/206, 7-8=-446/19, 6-7=-282/152
WEBS 3-7=-337/60, 3-6=-184/343, 2-7=-282/512, 2-8=-608/346

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; cantilever left exposed ; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 5=196, 8=614.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 36 lb down and 69 lb up at 7-1-15, and 36 lb down and 69 lb up at 7-1-15 on top chord, and 23 lb down and 32 lb up at 1-6-1, 23 lb down and 32 lb up at 1-6-1 , 84 lb down and 311 lb up at 4-4-0, 84 lb down and 311 lb up at 4-4-0, and 1 lb down and 36 lb up at 7-1-15, and 1 lb down and 36 lb up at 7-1-15 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-80, 5-9=-20
Concentrated Loads (lb)
Vert: 13=-44(F=-22, B=-22) 14=355(F=178, B=178) 15=21(F=11, B=11)

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Job	Truss	Truss Type	Qty	Ply	
2432497	HJ12	Diagonal Hip Girder	2	1	T20988978
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:34:52 2020 Page 1
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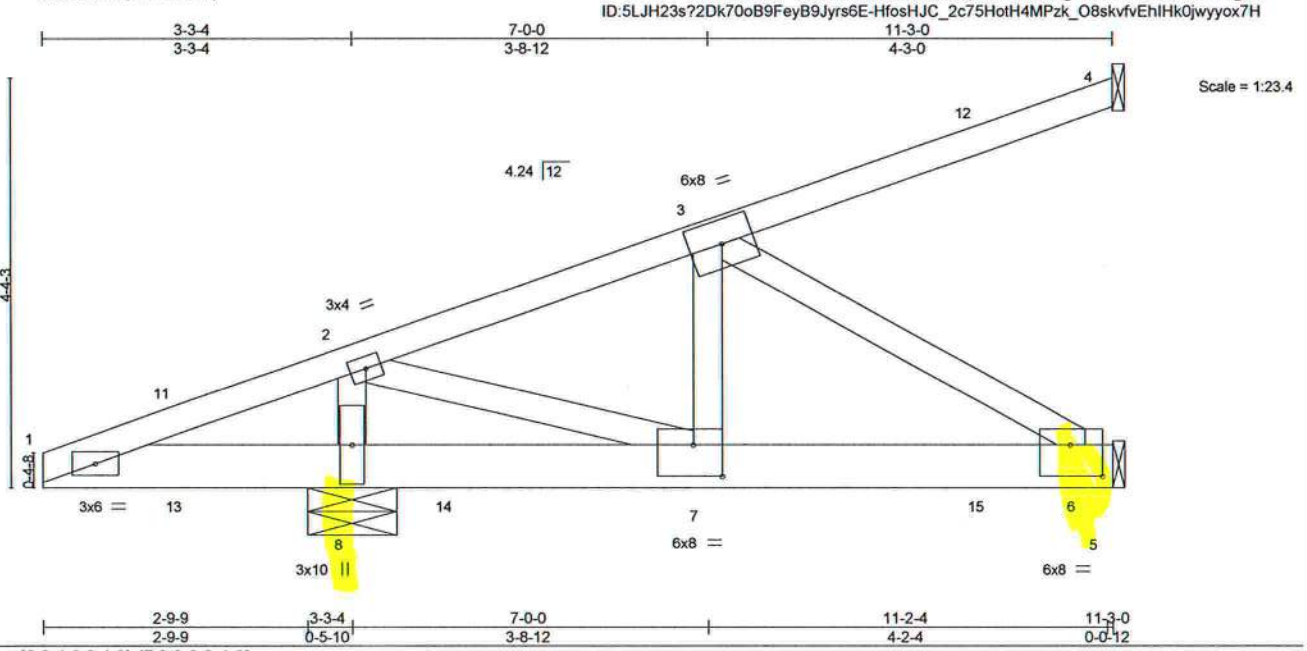

Plate Offsets (X,Y)— [6:0-4-0,0-4-0], [7:0-3-8,0-4-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.45	Vert(LL)	0.03	6-7	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.56	Vert(CT)	0.03	7-8	>999	180		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.52	Horz(CT)	-0.01	4	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 60 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-4-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing, Except:
10-0-0 oc bracing: 5-6.

REACTIONS. (size) 4=Mechanical, 5=Mechanical, 8=0-11-5
Max Horz 8=215(LC 4)
Max Uplift 4=-178(LC 4), 5=-735(LC 8), 8=-1329(LC 4)
Max Grav 4=180(LC 1), 5=698(LC 35), 8=1381(LC 35)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-288/690, 2-3=-1183/1341
BOT CHORD 1-8=-607/289, 7-8=-607/74, 6-7=-1255/1042
WEBS 2-7=-1033/1376, 3-7=-35/840, 3-6=-1227/1478, 2-8=-1072/788

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; cantilever left exposed ; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 4=178, 5=735, 8=1329.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 19 lb down and 14 lb up at 1-6-1, 19 lb down and 14 lb up at 1-6-1, 88 lb down and 689 lb up at 7-1-15, 88 lb down and 689 lb up at 7-1-15, and 90 lb down and 134 lb up at 9-10-13, and 90 lb down and 134 lb up at 9-11-14 on top chord, and 7 lb down and 11 lb up at 1-6-1, 7 lb down and 11 lb up at 1-6-1, 120 lb down and 488 lb up at 4-4-0, 120 lb down and 488 lb up at 4-4-0, 574 lb down and 76 lb up at 7-1-15, 574 lb down and 76 lb up at 7-1-15, and 28 lb down and 67 lb up at 9-10-13, and 28 lb down and 67 lb up at 9-11-14 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-80, 1-5=-20

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Job	Truss	Truss Type	Qty	Ply	T20988978
2432497	HJ12	Diagonal Hip Girder	2	1	Job Reference (optional)

LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 7=-1016(F=-508, B=-508) 3=707(F=353, B=353) 12=-70(F=-37, B=-33) 13=-12(F=-6, B=-6) 14=558(F=279, B=279) 15=-7(F=-4, B=-3)

Job	Truss	Truss Type	Qty	Ply	
2432497	HJ13	Diagonal Hip Girder	6	1	T20988979
					Job Reference (optional)

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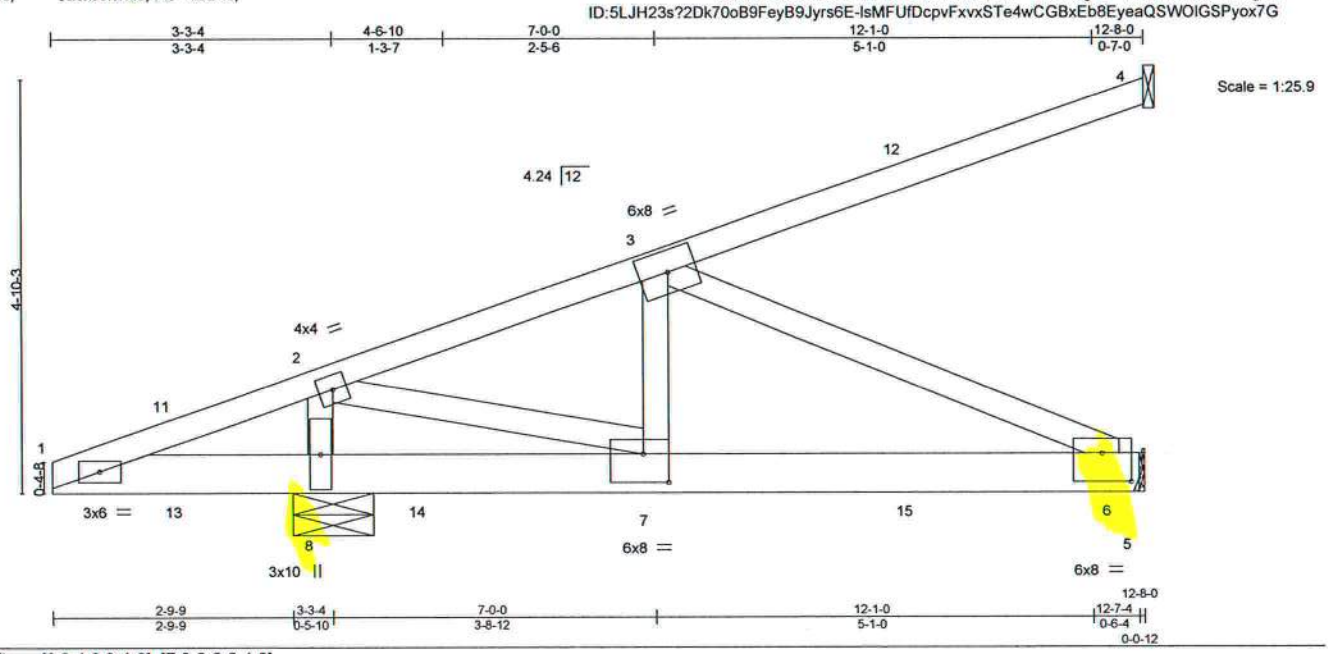


Plate Offsets (X,Y)-- [6:0-4-0,0-4-0], [7:0-3-8,0-4-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.78	Vert(LL)	0.06	6-7	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.62	Vert(CT)	-0.06	6-7	>999	180		
BCLL	10.0 *	Rep Stress Incr	NO	WB	1.00	Horz(CT)	-0.01	5	n/a	n/a		
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-MS							Weight: 68 lb	FT = 20%

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

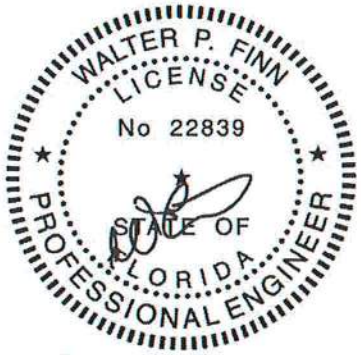
BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-7-4 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-10-4 oc bracing.

REACTIONS. (size) 4=Mechanical, 5=Mechanical, 8=0-11-5
Max Horz 8=242(LC 22)
Max Uplift 4=-178(LC 4), 5=-700(LC 4), 8=-1433(LC 4)
Max Grav 4=208(LC 1), 5=689(LC 35), 8=1492(LC 35)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-302/734, 2-3=-1475/1516
BOT CHORD 1-8=-651/299, 7-8=-651/57, 6-7=-1448/1343
WEBS 2-7=-1300/1655, 3-7=0/825, 3-6=-1477/1592, 2-8=-1179/880

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; cantilever left exposed ; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
4) Refer to girder(s) for truss to truss connections.
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) 4=178, 5=700, 8=1433.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 19 lb down and 14 lb up at 1-6-1, 19 lb down and 14 lb up at 1-6-1, 88 lb down and 689 lb up at 7-1-15, 88 lb down and 689 lb up at 7-1-15, and 90 lb down and 133 lb up at 9-11-14, and 90 lb down and 133 lb up at 9-11-14 on top chord, and 7 lb down and 11 lb up at 1-6-1, 7 lb down and 11 lb up at 1-6-1, 120 lb down and 488 lb up at 4-4-0, 120 lb down and 488 lb up at 4-4-0, 574 lb down and 76 lb up at 7-1-15, 574 lb down and 76 lb up at 7-1-15, and 27 lb down and 67 lb up at 9-11-14, and 27 lb down and 67 lb up at 9-11-14 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=-80, 1-5=-20



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LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 7=-1016(F=-508, B=-508) 3=707(F=353, B=353) 12=-57(F=-28, B=-28) 13=-12(F=-6, B=-6) 14=558(F=279, B=279) 15=-4(F=-2, B=-2)

Job	Truss	Truss Type	Qty	Ply	T20988980
2432497	HJ13A	Diagonal Hip Girder	2	1	Job Reference (optional)

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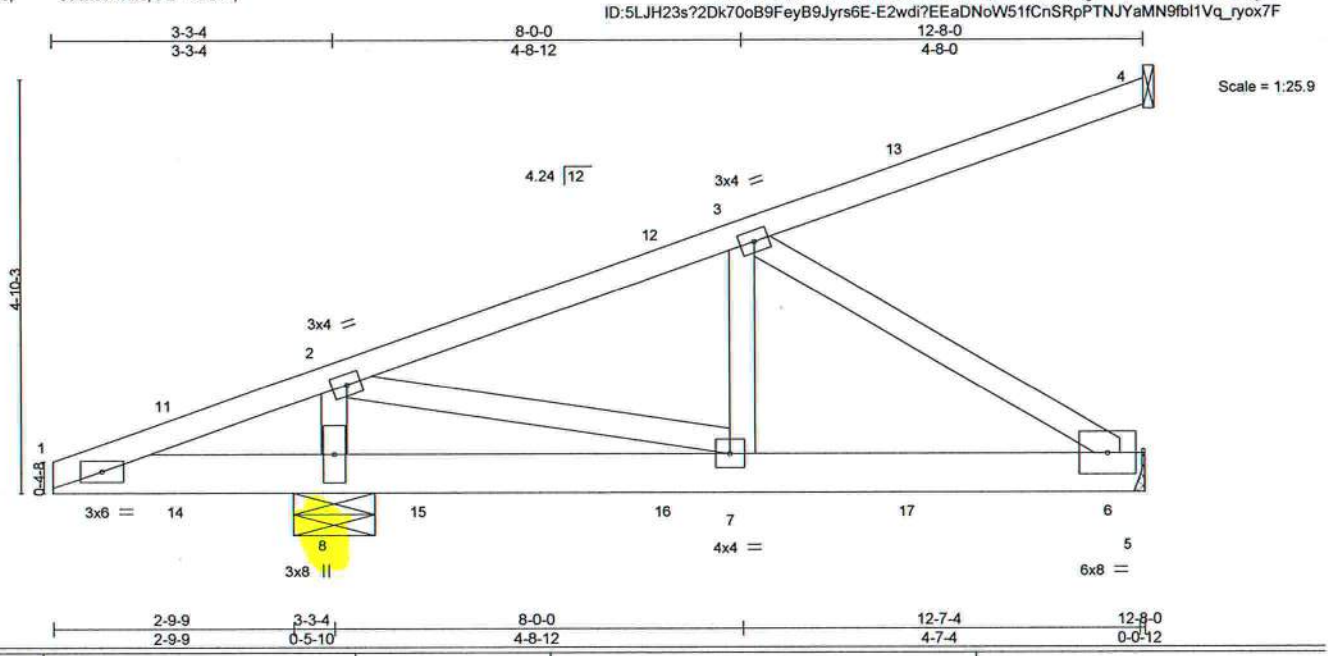


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.91	Vert(LL)	0.03	6-7	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.60	Vert(CT)	0.03	7-8	>999	180		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.49	Horz(CT)	-0.01	4	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 69 lb	FT = 20%

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

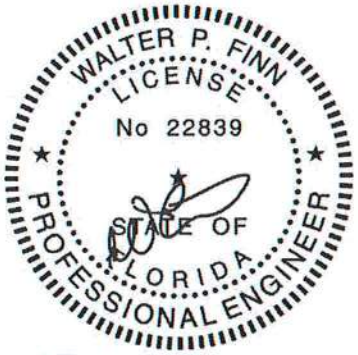
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing, Except:
10-0-0 oc bracing: 5-6.

REACTIONS. (size) 4=Mechanical, 5=Mechanical, 8=0-11-5
Max Horz 8=242(LC 4)
Max Uplift 4=-115(LC 4), 5=-533(LC 8), 8=-1178(LC 4)
Max Grav 4=192(LC 19), 5=534(LC 35), 8=1222(LC 35)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-329/713, 2-3=-901/836
BOT CHORD 1-8=-648/322, 7-8=-657/80, 6-7=-860/789
WEBS 2-7=-630/1020, 3-7=-140/492, 3-6=-939/1023, 2-8=-815/645

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; cantilever left exposed ; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
4) Refer to girder(s) for truss to truss connections.
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) 4=115, 5=533, 8=1178.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 19 lb down and 14 lb up at 1-6-1, 19 lb down and 14 lb up at 1-6-1, 56 lb down and 79 lb up at 7-1-15, 88 lb down and 689 lb up at 7-1-15, and 102 lb down and 139 lb up at 9-11-14, and 90 lb down and 133 lb up at 9-11-14 on top chord, and 7 lb down and 11 lb up at 1-6-1, 7 lb down and 11 lb up at 1-6-1, 88 lb down and 488 lb up at 4-4-0, 88 lb down and 488 lb up at 4-4-0, 17 lb down and 25 lb up at 7-1-15, 547 lb down and 76 lb up at 7-1-15, and 40 lb down and 32 lb up at 9-11-14, and 22 lb down and 67 lb up at 9-11-14 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=-80, 1-5=-20
Concentrated Loads (lb)
Vert: 12=353(B) 13=-75(F=-47, B=-28) 14=-12(F=-6, B=-6) 15=558(F=279, B=279) 16=-511(F=-3, B=-508) 17=-28(F=-26, B=-2)



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Date:

August 11,2020

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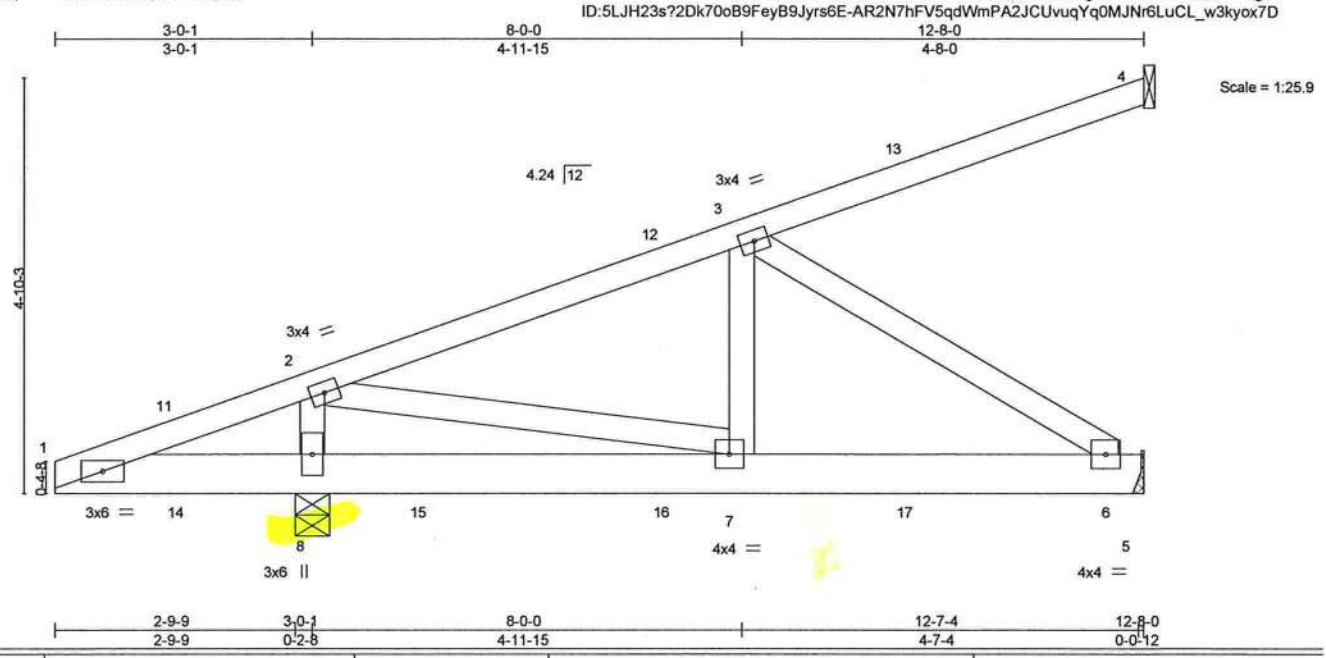
Job	Truss	Truss Type	Qty	Ply	T20988981
2432497	HJ13B	Diagonal Hip Girder	3	1	Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:34:56 2020 Page 1
ID:5LJH23s?2Dk70oB9FeyB9Jyrs6E-AR2N7hFV5qdWmPA2JCUvuqYq0MJNr6LuCL_w3kyox7D



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)	0.03	6-7	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.44	Vert(CT)	-0.03	6-7	>999	180		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.28	Horz(CT)	-0.01	4	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 69 lb	FT = 20%

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

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

REACTIONS. (size) 4=Mechanical, 5=Mechanical, 8=0-4-15
Max Horz 8=242(LC 4)
Max Uplift 4=-126(LC 4), 5=-389(LC 4), 8=-750(LC 4)
Max Grav 4=170(LC 1), 5=319(LC 35), 8=845(LC 35)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-189/561, 2-3=-498/474
BOT CHORD 1-8=-475/183, 7-8=-475/0, 6-7=-548/404
WEBS 2-7=-390/748, 3-6=-480/652, 2-8=-761/408

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; cantilever left exposed ; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
4) Refer to girder(s) for truss to truss connections.
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) 4=126, 5=389, 8=750.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 19 lb down and 14 lb up at 1-6-1, 19 lb down and 14 lb up at 1-6-0, 36 lb down and 69 lb up at 7-1-15, 36 lb down and 69 lb up at 7-1-15, and 94 lb down and 118 lb up at 9-11-14, and 94 lb down and 118 lb up at 9-11-14 on top chord, and 7 lb down and 11 lb up at 1-6-1, 7 lb down and 11 lb up at 1-6-0, 84 lb down and 311 lb up at 4-4-0, 84 lb down and 311 lb up at 4-4-0, 1 lb down and 36 lb up at 7-1-15, 1 lb down and 36 lb up at 7-1-15, and 31 lb down and 85 lb up at 9-11-14, and 31 lb down and 85 lb up at 9-11-14 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=-80, 1-5=-20
Concentrated Loads (lb)
Vert: 13=-78(F=-39, B=-39) 14=-12(F=-6, B=-6) 15=355(F=178, B=178) 16=21(F=11, B=11) 17=-6(F=-3, B=-3)

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Job	Truss	Truss Type	Qty	Ply	
2432497	HJ13C	Diagonal Hip Girder	1	1	T20988982
					Job Reference (optional)

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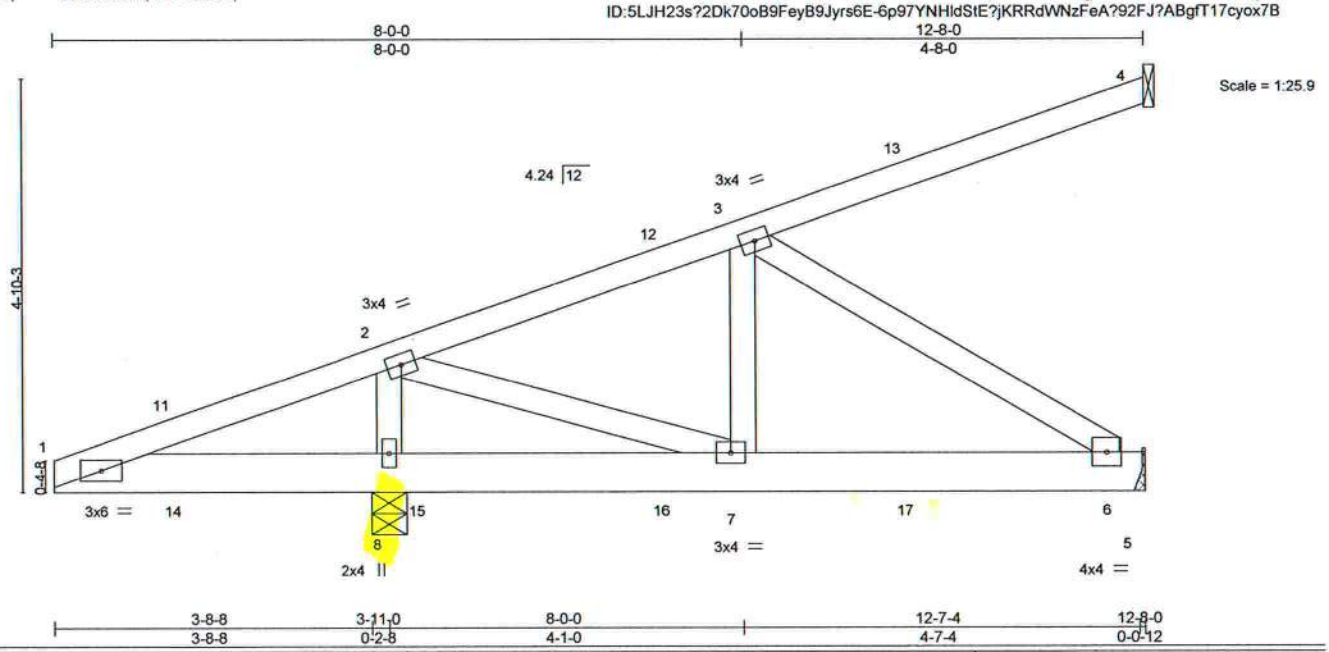
ID:5LJH23s?2Dk70oB9FeyB9Jyrs6E-6p97YNHldStE?jKRRdWNzFeA?92FJ?ABgfT17cyox7B



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)	0.02	6-7	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.16	Vert(CT)	-0.02	6-7	>999	180		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.26	Horz(CT)	-0.01	4	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 68 lb	FT = 20%

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

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

REACTIONS. (size) 4=Mechanical, 5=Mechanical, 8=0-4-15
Max Horz 8=242(LC 4)
Max Uplift 4=-125(LC 4), 5=-323(LC 5), 8=-806(LC 4)
Max Grav 4=168(LC 1), 5=218(LC 35), 8=1001(LC 35)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-257/543, 2-3=-305/368
BOT CHORD 1-8=-471/283, 7-8=-471/41, 6-7=-432/234
WEBS 2-7=-483/697, 3-7=-311/32, 3-6=-278/514, 2-8=-710/487

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; cantilever left exposed ; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
4) Refer to girder(s) for truss to truss connections.
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) 4=125, 5=323, 8=806.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 19 lb down and 14 lb up at 1-6-1, 19 lb down and 14 lb up at 1-6-1, 33 lb down and 38 lb up at 7-1-15, 36 lb down and 69 lb up at 7-1-15, and 81 lb down and 101 lb up at 9-11-14, and 94 lb down and 118 lb up at 9-11-14 on top chord, and 7 lb down and 11 lb up at 1-6-1, 7 lb down and 11 lb up at 1-6-1, 114 lb down and 98 lb up at 4-4-0, 84 lb down and 311 lb up at 4-4-0, 32 lb down and 183 lb up at 7-1-15, 1 lb down and 36 lb up at 7-1-15, and 70 lb up at 9-11-14, and 31 lb down and 85 lb up at 9-11-14 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=-80, 1-5=-20
Concentrated Loads (lb)
Vert: 13=-58(F=-19, B=-39) 14=-12(F=-6, B=-6) 15=63(B=178) 16=113(F=102, B=11) 17=14(F=16, B=-3)

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Job	Truss	Truss Type	Qty	Ply	T20988983
2432497	HJ14	Diagonal Hip Girder	1	1	Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:34:59 2020 Page 1
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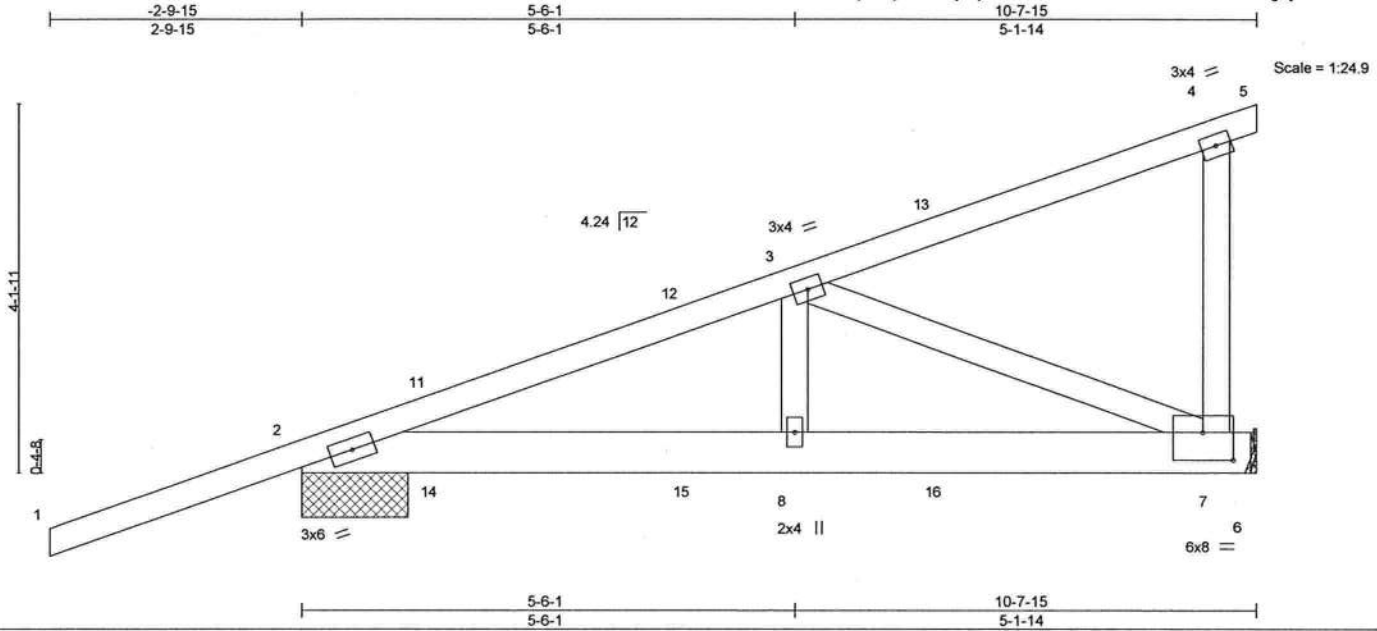

Plate Offsets (X,Y)-- [7:0-4-0,0-3-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.82	Vert(LL)	-0.04	8-10	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.49	Vert(CT)	-0.07	7-8	>999	180		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.50	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 61 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-6-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=1-2-2, 6=Mechanical
Max Horz 2=275(LC 4)
Max Uplift 2=-396(LC 4), 6=-559(LC 8)
Max Grav 2=772(LC 35), 6=1063(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1111/411, 4-7=-522/390
BOT CHORD 2-8=-478/996, 7-8=-478/996
WEBS 3-8=-39/367, 3-7=-1023/480

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=396, 6=559.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 98 lb down and 154 lb up at 1-6-1, 98 lb down and 154 lb up at 1-6-1, 51 lb down and 52 lb up at 4-4-0, 51 lb down and 52 lb up at 4-4-0, 101 lb down and 118 lb up at 7-1-15, 101 lb down and 118 lb up at 7-1-15, and 149 lb down and 181 lb up at 9-11-14, and 149 lb down and 181 lb up at 9-11-14 on top chord, and 42 lb down and 100 lb up at 1-6-1, 42 lb down and 100 lb up at 1-6-1, 27 lb down and 2 lb up at 4-4-0, 27 lb down and 2 lb up at 4-4-0, 50 lb down and 17 lb up at 7-1-15, 50 lb down and 17 lb up at 7-1-15, and 96 lb down and 28 lb up at 9-11-14, and 96 lb down and 28 lb up at 9-11-14 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-80, 4-5=-80, 2-6=-20

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Date:
August 11,2020

Continued on page 2

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LOAD CASE(S) Standard

Concentrated Loads (lb)

Vert: 4=-299(F=-149, B=-149) 7=-141(F=-71, B=-71) 11=152(F=76, B=76) 13=-87(F=-44, B=-44) 14=121(F=60, B=60) 15=5(F=2, B=2) 16=-59(F=-30, B=-30)

Job	Truss	Truss Type	Qty	Ply	T20988984
2432497	HJ14A	Diagonal Hip Girder	1	1	Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:35:00 2020 Page 1
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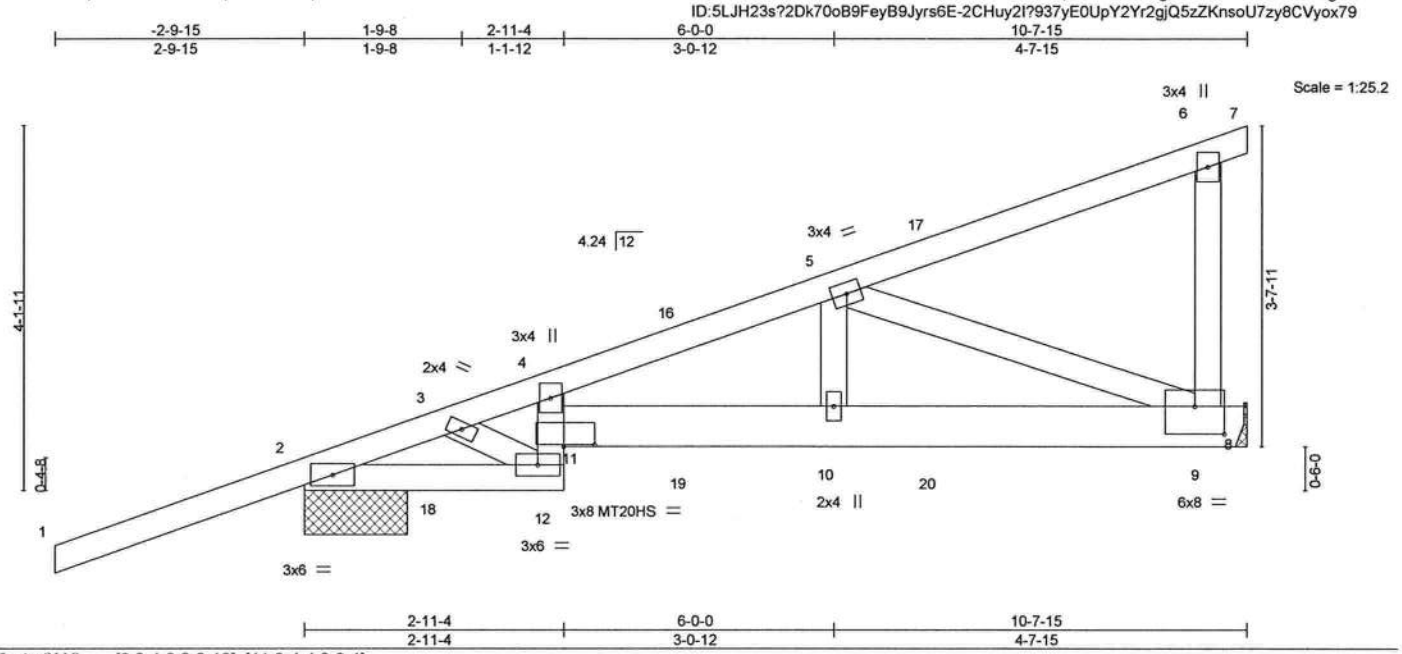

Plate Offsets (X,Y)-- [9:0-4-0,0-3-12], [11:0-4-4,0-0-4]

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	0.82	Vert(LL)	-0.06	10-11	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.89	Vert(CT)	-0.10	10-11	>999	180	MT20HS	187/143
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.51	Horz(CT)	0.03	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 59 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-8-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (size) 2=1-2-2, 8=Mechanical
Max Horz 2=275(LC 4)
Max Uplift 2=-415(LC 4), 8=-573(LC 8)
Max Grav 2=787(LC 35), 8=1069(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1102/396, 3-4=-1090/383, 4-5=-1388/568, 6-9=-481/351
BOT CHORD 2-12=-443/922, 11-12=-321/272, 4-11=-258/197, 10-11=-665/1289, 9-10=-665/1289
WEBS 3-12=-398/530, 5-10=-166/531, 5-9=-1330/679

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
2) All plates are MT20 plates unless otherwise indicated.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) 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) 2=415, 8=573.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 98 lb down and 154 lb up at 1-6-1, 98 lb down and 154 lb up at 1-6-1, 43 lb down and 37 lb up at 4-4-0, 38 lb down and 30 lb up at 4-4-0, 94 lb down and 103 lb up at 7-1-15, 91 lb down and 98 lb up at 7-1-15, and 149 lb down and 177 lb up at 9-11-14, and 147 lb down and 173 lb up at 9-11-14 on top chord, and 42 lb down and 100 lb up at 1-6-1, 42 lb down and 100 lb up at 1-6-1, 36 lb down and 14 lb up at 4-4-0, 41 lb down and 21 lb up at 4-4-0, 56 lb down and 32 lb up at 7-1-15, 58 lb down and 37 lb up at 7-1-15, and 94 lb down and 33 lb up at 9-11-14, and 95 lb down and 37 lb up at 9-11-14 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: 1-6=-80, 6-7=-80, 12-13=-20, 8-11=-20

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August 11,2020

Continued on page 2

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Tampa, FL 36610

LOAD CASE(S) Standard

Concentrated Loads (lb)

Vert: 6=-293(F=-148, B=-145) 9=-147(F=-72, B=-75) 3=152(F=76, B=76) 17=-54(F=-30, B=-25) 18=121(F=60, B=60) 19=-14(F=-5, B=-9) 20=-92(F=-43, B=-48)

Job	Truss	Truss Type	Qty	Ply	T20988985
2432497	PB01	Piggyback	1	1	Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:35:01 2020 Page 1
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3-4-0 2-4-8

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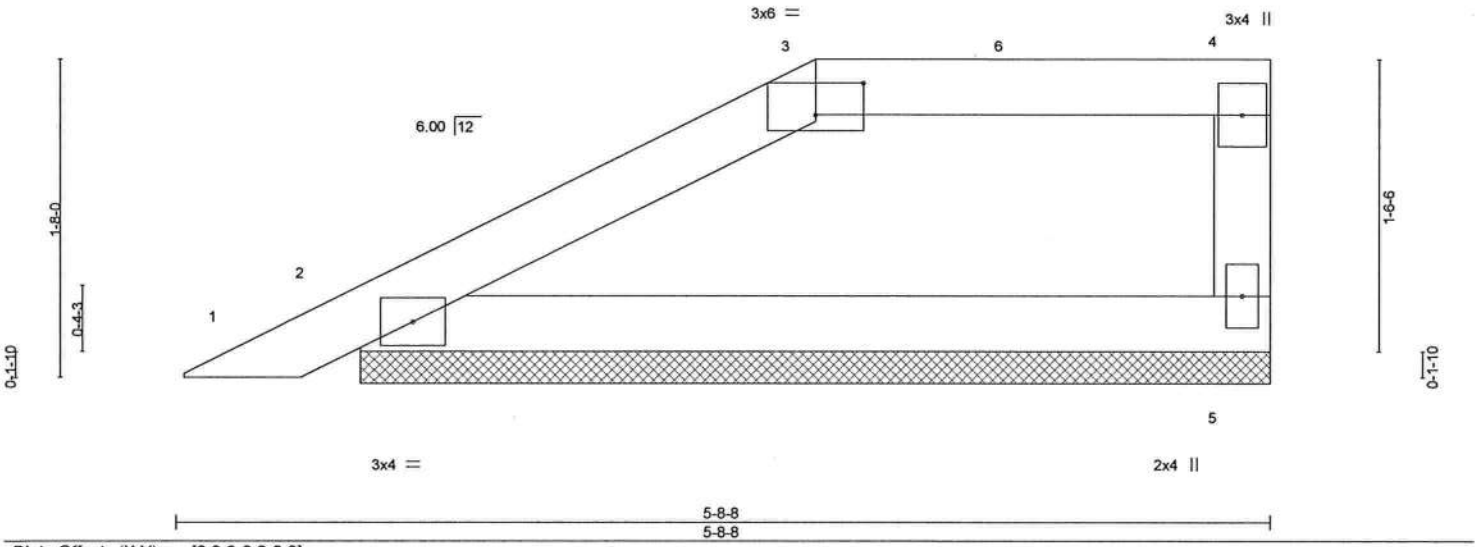

5-8-8
5-8-8

Plate Offsets (X,Y)— [3:0-3-0,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.38	Vert(LL)	0.00	1	n/r	120	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.19	Vert(CT)	0.01	1	n/r	120		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-R							Weight: 17 lb	FT = 20%

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

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

REACTIONS. (size) 5=4-8-15, 2=4-8-15
Max Horz 2=80(LC 12)
Max Uplift 5=-83(LC 9), 2=-105(LC 12)
Max Grav 5=238(LC 2), 2=288(LC 2)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5 except (jt=lb) 2=105.
8) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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Date:

August 11,2020

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
2432497	PB02	Piggyback	1	1	T20988986
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:35:02 2020 Page 1
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0-4-8

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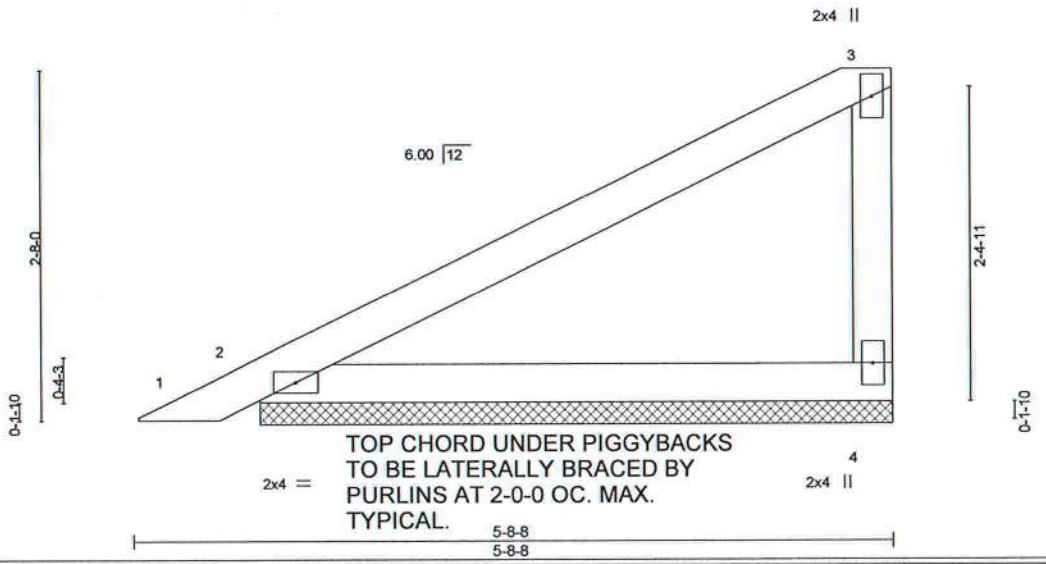


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.49	Vert(LL)	-0.01	1	n/r	120	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.26	Vert(CT)	0.02	1	n/r	120		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00		n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-P							Weight: 19 lb	FT = 20%

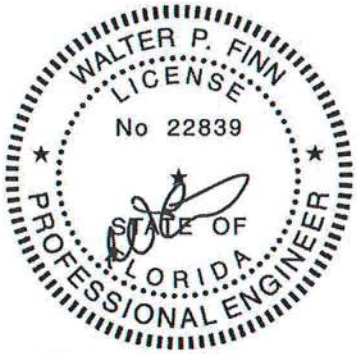
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

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

REACTIONS. (size) 4=4-8-15, 2=4-8-15
Max Horz 2=139(LC 12)
Max Uplift 4=-122(LC 12), 2=-85(LC 12)
Max Grav 4=238(LC 2), 2=288(LC 2)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Gable requires continuous bottom chord bearing.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 4=122.
6) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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August 11,2020

Job	Truss	Truss Type	Qty	Ply	T20988987
2432497	PB03	Piggyback	4	1	Job Reference (optional)

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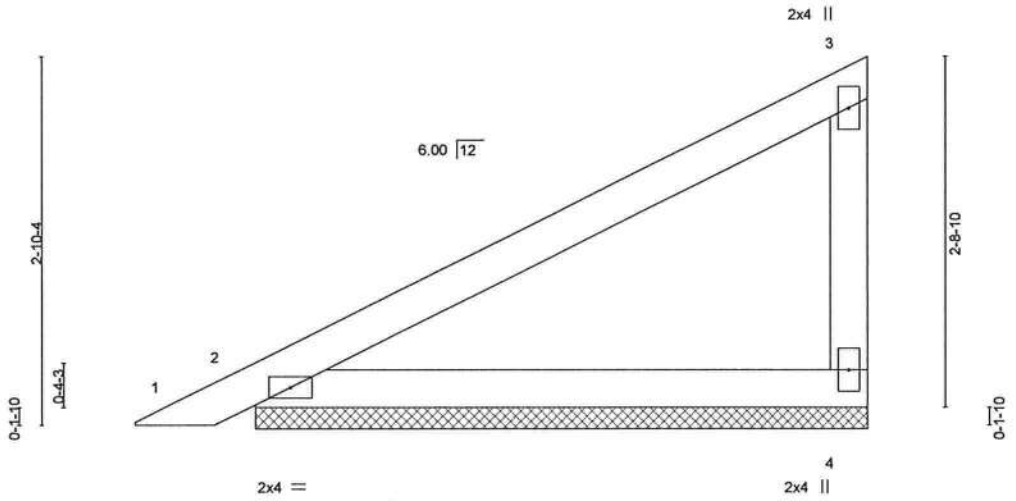

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.49	Vert(LL)	-0.00	1	n/r	120	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.26	Vert(CT)	0.02	1	n/r	120		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00		n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-P							Weight: 20 lb	FT = 20%

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

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

REACTIONS. (size) 4=4-8-15, 2=4-8-15
Max Horz 2=139(LC 12)
Max Uplift 4=-122(LC 12), 2=-85(LC 12)
Max Grav 4=238(LC 2), 2=288(LC 2)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Gable requires continuous bottom chord bearing.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 4=122.
6) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
2432497	PB04	Piggyback	1	1	T20988988
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:35:04 2020 Page 1
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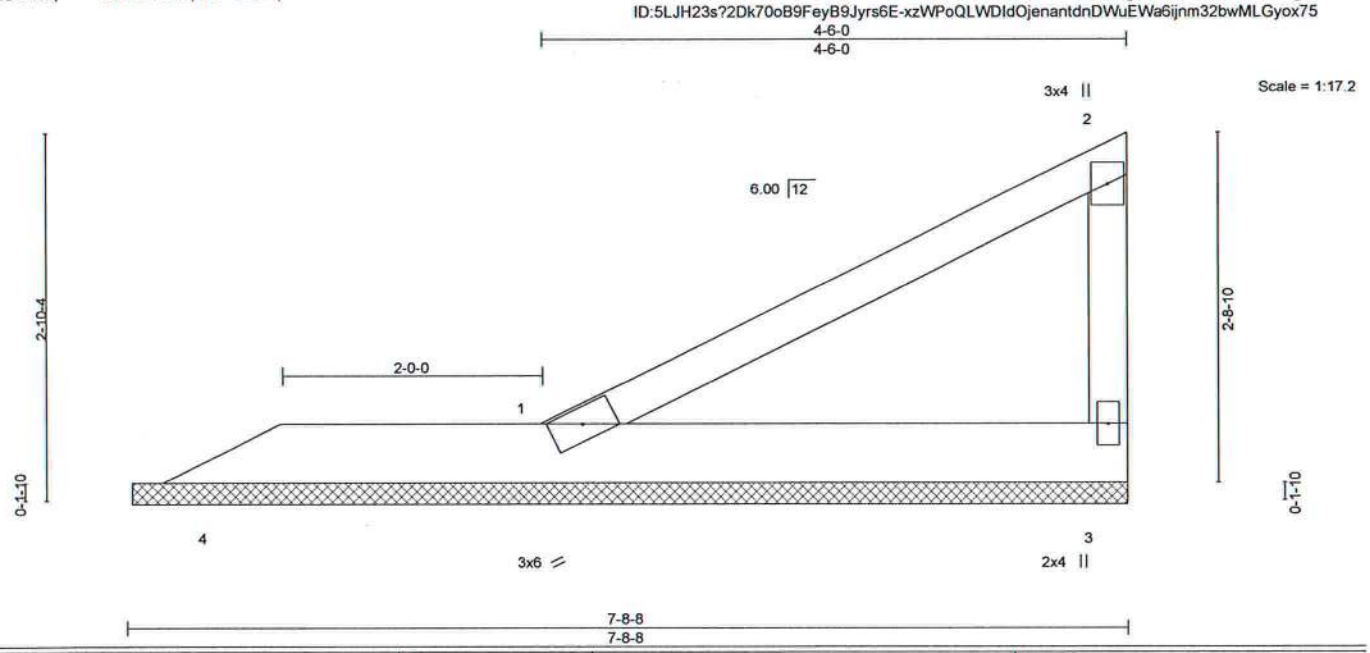


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.28	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.09	Vert(CT)	n/a	-	n/a	999		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 28 lb	FT = 20%

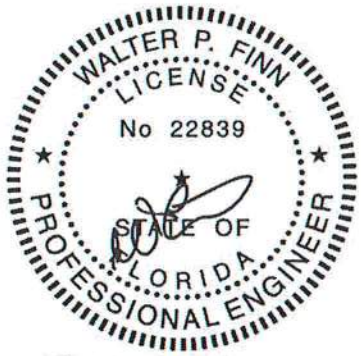
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

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) 3=7-8-0, 1=7-8-0, 4=7-8-0
Max Horz 4=122(LC 12)
Max Uplift 3=-112(LC 12), 1=-67(LC 12), 4=-10(LC 1)
Max Grav 3=206(LC 2), 1=339(LC 2), 4=19(LC 12)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Gable requires continuous bottom chord bearing.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 4 except (jt=lb) 3=112.
6) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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August 11,2020

Job	Truss	Truss Type	Qty	Ply	
2432497	PB05	Piggyback	1	1	T20988989
					Job Reference (optional)

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8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:35:05 2020 Page 1
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7-8-8
7-8-8

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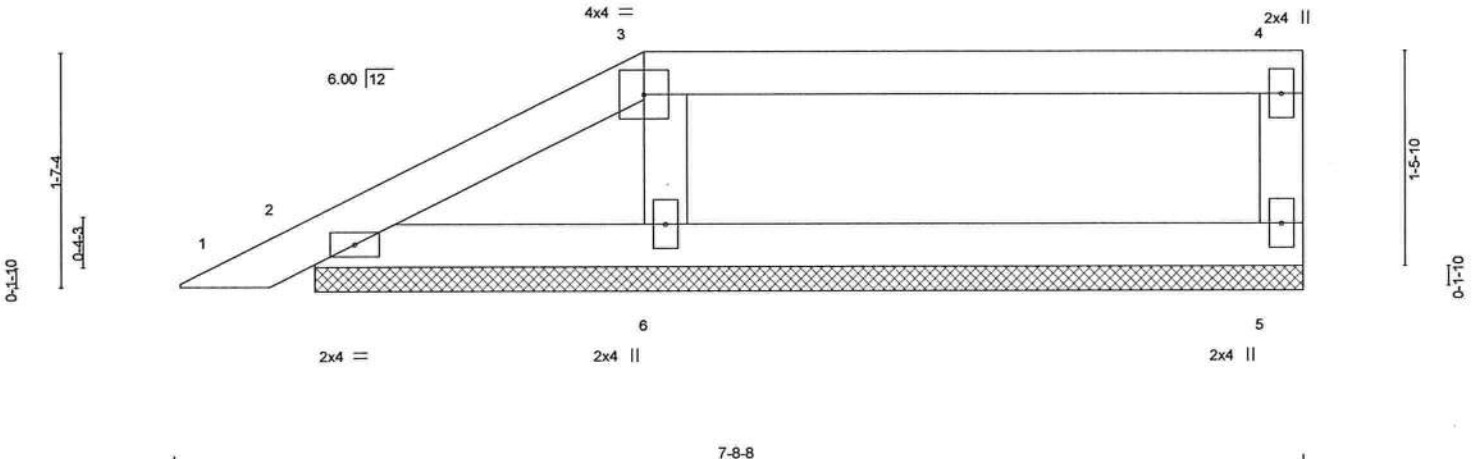

7-8-8
7-8-8

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	0.44	Vert(LL)	-0.00	1	n/r	120	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.14	Vert(CT)	0.00	1	n/r	120		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-P							Weight: 25 lb	FT = 20%

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

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

REACTIONS. (size) 5=6-8-15, 2=6-8-15, 6=6-8-15
Max Horz 2=76(LC 12)
Max Uplift 5=-89(LC 8), 2=-66(LC 12), 6=-101(LC 9)
Max Grav 5=212(LC 2), 2=172(LC 1), 6=365(LC 2)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 2 except (jt=lb) 6=101.
7) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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Job	Truss	Truss Type	Qty	Ply	
2432497	PB06	Piggyback	1	1	T20988990
					Job Reference (optional)

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7-8-8

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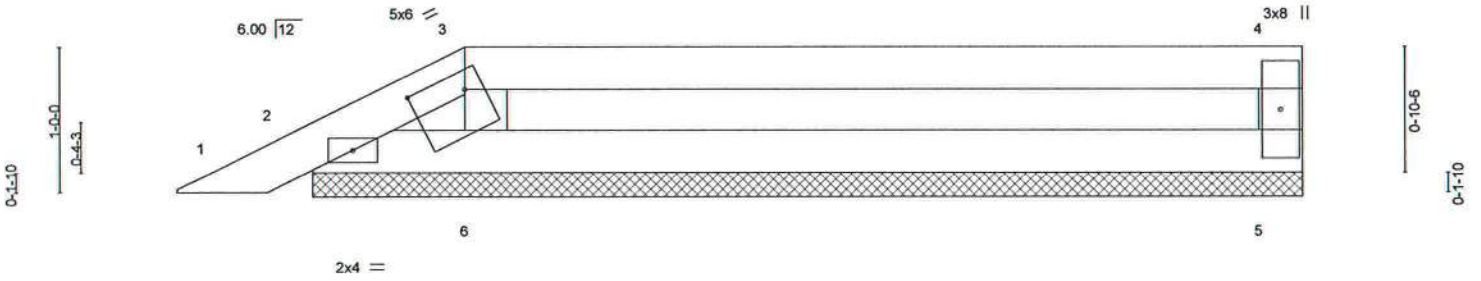


7-8-8
7-8-8

Plate Offsets (X,Y)-- [3:0-4-8,0-1-8], [6:0-1-9,0-0-13]

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	0.75	Vert(LL)	0.00	1	n/r	120	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.25	Vert(CT)	-0.00	1	n/r	120		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-P							Weight: 23 lb	FT = 20%

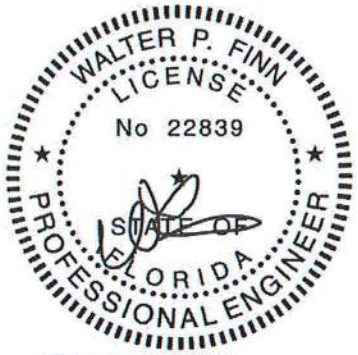
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

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

REACTIONS. (size) 5=6-8-15, 2=6-8-15, 6=6-8-15
Max Horz 2=43(LC 12)
Max Uplift 5=-114(LC 8), 2=-70(LC 12), 6=-85(LC 9)
Max Grav 5=270(LC 2), 2=97(LC 1), 6=416(LC 2)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6 except (jt=lb) 5=114.
7) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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August 11,2020

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Job	Truss	Truss Type	Qty	Ply	
2432497	T01	Hip Girder	1	1	T20988991
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:35:07 2020 Page 1
ID:5LJH23s?2Dk70oB9FeyB9Jyrs6E-LYCXRSOOWD0ya5W9T0BUr8WfXnxEwwBWkZ80ybyox72

4-10-15	9-0-0	13-8-0	18-4-0	22-5-1	27-4-0
4-10-15	4-1-1	4-8-0	4-8-0	4-1-1	4-10-15

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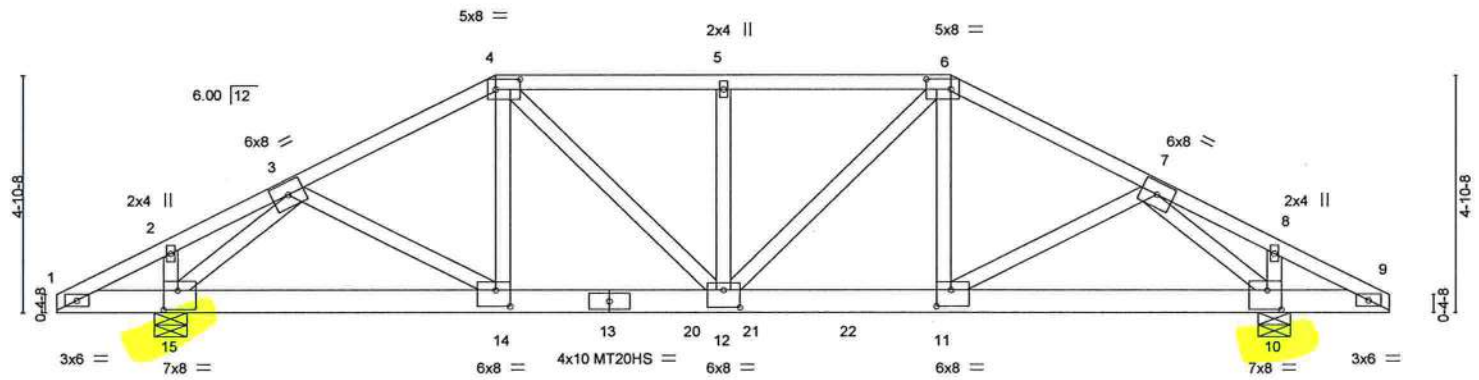

2-0-0	9-0-0	13-8-0	18-4-0	25-4-0	27-4-0
2-0-0	7-0-0	4-8-0	4-8-0	7-0-0	2-0-0

Plate Offsets (X,Y)-- [4:0-6-0,0-2-8], [6:0-6-0,0-2-8], [10:0-3-8,0-4-12], [11:0-3-8,0-4-0], [12:0-4-0,0-4-4], [14:0-3-8,0-4-0], [15:0-3-8,0-4-12]

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	0.68	Vert(LL)	0.17	12-14	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL 1.25	BC	0.93	Vert(CT)	-0.23	12-14	>999	180	MT20HS	187/143
BCLL	10.0 *	Rep Stress Incr NO	WB	0.92	Horz(CT)	0.07	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014	Matrix-MS							Weight: 170 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-6-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 4-5-3 oc bracing.

REACTIONS. (size) 15=0-8-0, 10=0-8-0
Max Horz 15=-106(LC 39)
Max Uplift 15=-1875(LC 8), 10=-1920(LC 9)
Max Grav 15=2824(LC 2), 10=2867(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-3752/2811, 4-5=-4156/3015, 5-6=-4156/3015, 6-7=-3824/2884
BOT CHORD 14-15=-1835/2437, 12-14=-2443/3312, 11-12=-2480/3376, 10-11=-1776/2482
WEBS 3-14=-817/1019, 4-14=-639/728, 4-12=-751/1226, 5-12=-414/251, 6-12=-623/1115, 6-11=-645/736, 7-11=-852/1049, 3-15=-3372/2439, 7-10=-3431/2498

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; cantilever left and right exposed ; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 15=1875, 10=1920.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 132 lb down and 177 lb up at 18-4-0 on top chord, and 841 lb down and 926 lb up at 9-0-0, 369 lb down and 310 lb up at 11-0-12, 350 lb down and 191 lb up at 13-0-12, 350 lb down and 191 lb up at 14-3-4, and 369 lb down and 310 lb up at 16-3-4, and 841 lb down and 926 lb up at 18-3-4 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: 1-4=-80, 4-6=-80, 6-9=-80, 1-9=-20
Concentrated Loads (lb)
Vert: 6=-95(F) 13=-369(F) 14=-599(F) 11=-599(F) 20=-347(F) 21=-347(F) 22=-369(F)

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August 11,2020

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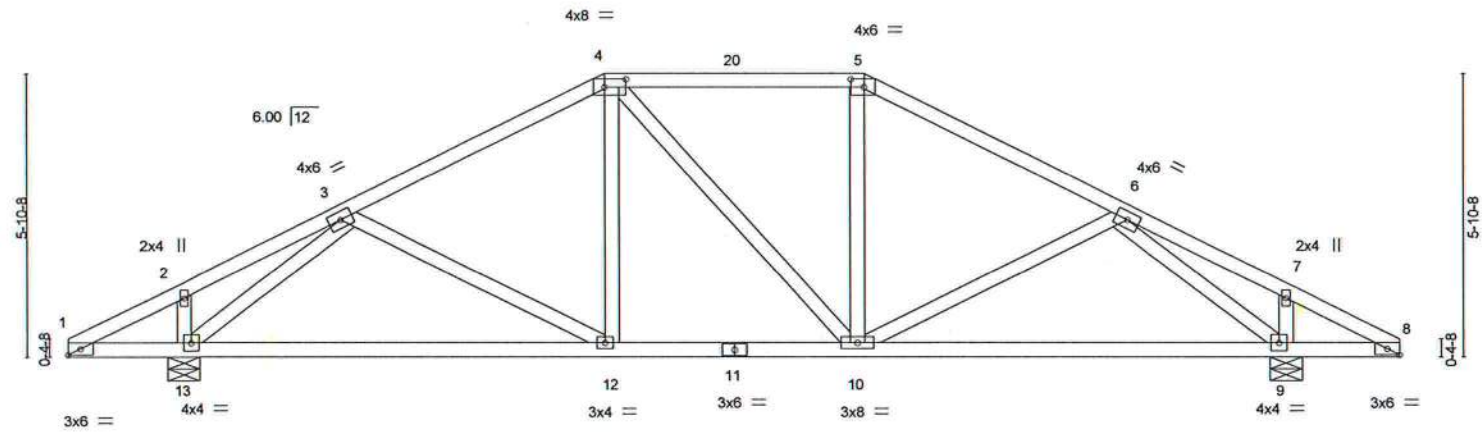
Job	Truss	Truss Type	Qty	Ply	
2432497	T02	Hip	1	1	T20988992
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:35:08 2020 Page 1
ID:5LJH23s?2Dk70oB9FeyB9Jyrs6E-pkmveoP0GW8pCF5M0ijjNM2tJBKyfSifzDuZU1yox71

2-4-0	5-8-15	11-0-0	16-4-0	21-7-1	25-0-0	27-4-0
2-4-0	3-4-15	5-3-1	5-4-0	5-3-1	3-4-15	2-4-0

Scale = 1:45.8



2-0-0	2-4-0	11-0-0	16-4-0	25-0-0	25-4-0	27-4-0
2-0-0	0-4-0	8-8-0	5-4-0	8-8-0	0-4-0	2-0-0

Plate Offsets (X,Y)-- [4:0-5-4,0-2-0], [5:0-3-4,0-2-0], [8:0-2-15,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.49	Vert(LL)	-0.13	12-13	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.71	Vert(CT)	-0.27	12-13	>997	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.58	Horz(CT)	0.04	9	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 145 lb	FT = 20%

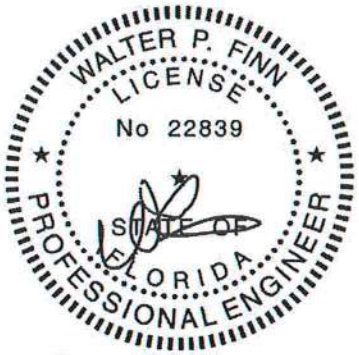
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

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

REACTIONS. (size) 13=0-8-0, 9=0-8-0
Max Horz 13=-129(LC 13)
Max Uplift 13=-464(LC 12), 9=-464(LC 13)
Max Grav 13=1435(LC 2), 9=1435(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-1355/597, 4-5=-1138/601, 5-6=-1355/597
BOT CHORD 12-13=-419/1073, 10-12=-278/1138, 9-10=-370/1073
WEBS 3-13=-1473/798, 6-9=-1474/798

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 13=464, 9=464.



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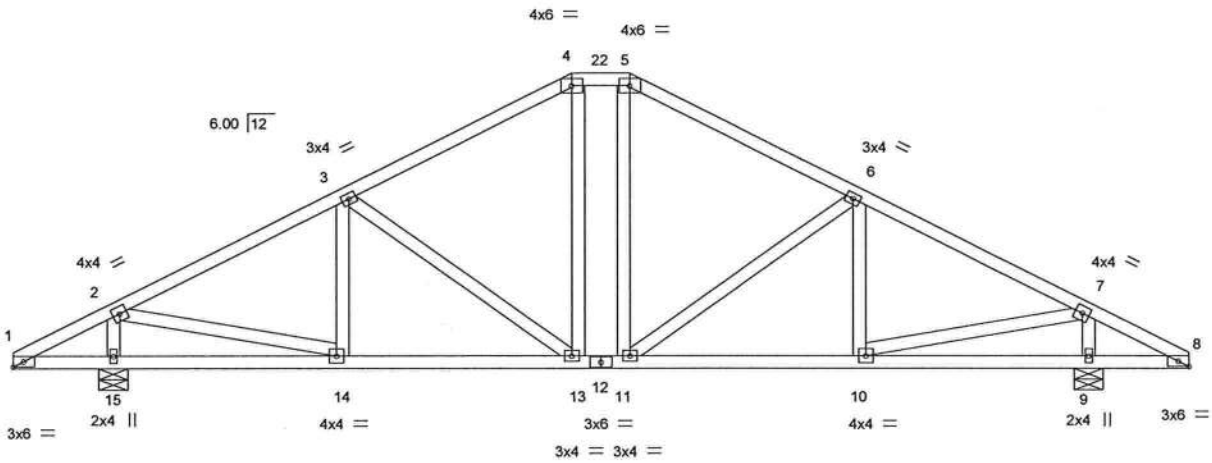
6904 Parke East Blvd. Tampa FL 33610
Date:

August 11,2020

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	T20988993
2432497	T03	Hip	1	1	Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:35:10 2020 Page 1
ID:5LJH23s?2Dk70oB9FeyB9Jyrs6E-m7ug3TQHo8OXRZFk88kBSn8Eh?5w7OPyQXNgZwyox7?



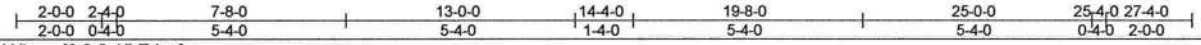


Plate Offsets (X,Y)-- [8:0-2-15,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.43	Vert(LL)	-0.06	10-11	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.42	Vert(CT)	-0.12	10-11	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.50	Horz(CT)	0.02	9	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 153 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 4-7-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (size) 15=0-8-0, 9=0-8-0
Max Horz 15=-153(LC 13)
Max Uplift 15=-458(LC 12), 9=-458(LC 13)
Max Grav 15=1435(LC 2), 9=1435(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1464/608, 3-4=-1205/599, 4-5=-1000/600, 5-6=-1205/599, 6-7=-1464/608
BOT CHORD 13-14=-418/1247, 11-13=-210/1000, 10-11=-390/1238
WEBS 2-15=-1259/708, 2-14=-548/1318, 3-13=-338/261, 4-13=-114/293, 5-11=-114/293, 6-11=-338/261, 7-10=-548/1318, 7-9=-1259/708

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 15=458, 9=458.

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August 11,2020

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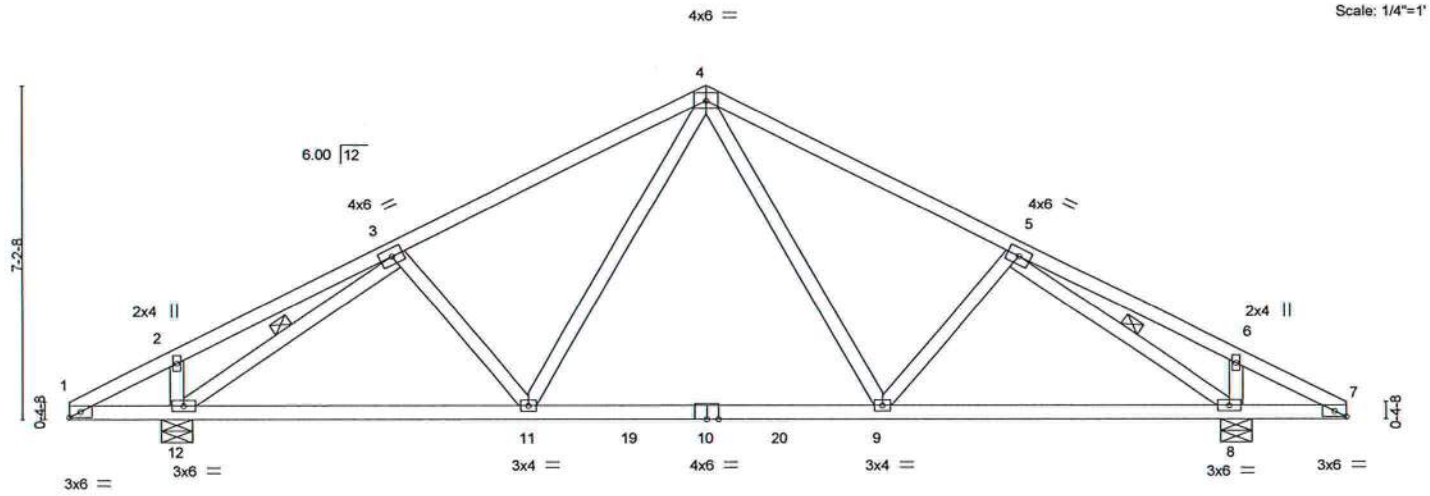
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
2432497	T04	Common	2	1	T20988994
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:35:11 2020 Page 1
ID:5LJH23s?2Dk70oB9FeyB9Jyrs6E-EJS2GpRvZRWO3iqwirFQ?_gLVPL0ssE5fB6D5Myox7_

2-4-0	7-0-15	13-8-0	20-3-1	25-0-0	27-4-0
2-4-0	4-8-15	6-7-1	6-7-1	4-8-15	2-4-0

Scale: 1/4"=1'



2-0-0	2-4-0	9-10-11	17-5-5	25-0-0	25-4-0	27-4-0
2-0-0	0-4-0	7-6-11	7-6-11	7-6-11	0-4-0	2-0-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.68	Vert(LL)	-0.18	9-11	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.75	Vert(CT)	-0.28	9-11	>989	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.40	Horz(CT)	0.04	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 142 lb	FT = 20%

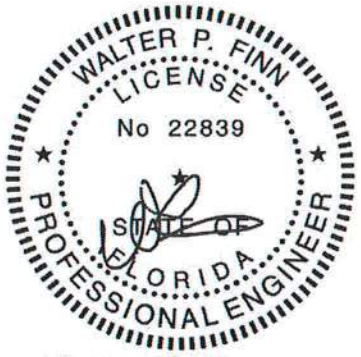
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

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

REACTIONS. (size) 12=0-8-0, 8=0-8-0
Max Horz 12=160(LC 12)
Max Uplift 12=-456(LC 12), 8=-456(LC 13)
Max Grav 12=1483(LC 2), 8=1483(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-1471/669, 4-5=-1471/669
BOT CHORD 11-12=-455/1303, 9-11=-202/1015, 8-9=-422/1269
WEBS 4-9=-177/468, 5-9=-208/264, 4-11=-177/468, 3-11=-208/264, 3-12=-1659/780, 2-12=-269/245, 5-8=-1659/780, 6-8=-269/245

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 12=456, 8=456.



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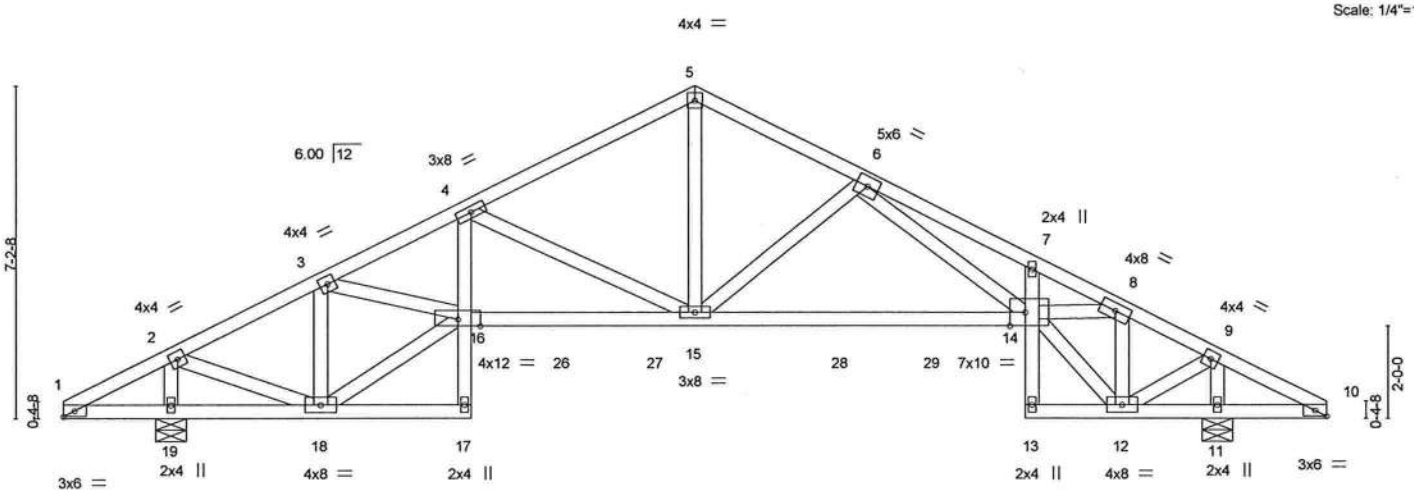
August 11,2020

Job	Truss	Truss Type	Qty	Ply	
2432497	T05	Roof Special	2	1	T20988995
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:35:12 2020 Page 1
ID:5LJH23s?2Dk70oB9FeyB9Jyrs6E-iW?QU9SXKIeFhsP7FZmfYCDY0oiDbBsFursncoyox6z

2-4-0	5-7-0	8-10-0	13-8-0	17-3-0	20-10-0	22-11-0	25-0-0	27-4-0
2-4-0	3-3-0	3-3-0	4-10-0	3-7-0	3-7-0	2-1-0	2-1-0	2-4-0

Scale: 1/4"=1'



2-0-0	2-4-0	5-7-0	8-10-0	13-8-0	20-10-0	22-11-0	25-0-0	25-4-0	27-4-0
2-0-0	0-4-0	3-3-0	3-3-0	4-10-0	7-2-0	2-1-0	2-1-0	0-4-0	2-0-0

Plate Offsets (X,Y)-- [10:0-2-15,Edge], [14:0-4-0,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	0.57	Vert(LL)	-0.21	14-15	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.69	Vert(CT)	-0.49	14-15	>553	180		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.95	Horz(CT)	0.26	11	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 158 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
4-17,7-13: 2x4 SP No.3, 14-16: 2x4 SP M 31
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-5-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (size) 19=0-8-0, 11=0-8-0
Max Horz 19=160(LC 16)
Max Uplift 19=-527(LC 12), 11=-543(LC 13)
Max Grav 19=1623(LC 2), 11=1667(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1496/612, 3-4=-3134/1251, 4-5=-2054/873, 5-6=-2034/890, 6-7=-4185/1648, 7-8=-4015/1516, 8-9=-1240/491
BOT CHORD 4-16=-228/744, 15-16=-940/2896, 14-15=-760/2353
WEBS 2-19=-1469/754, 2-18=-635/1494, 3-18=-1297/542, 16-18=-550/1563, 3-16=-503/1537, 4-15=-1216/579, 5-15=-575/1480, 6-15=-770/425, 6-14=-617/1794, 12-14=-429/1458, 8-14=-872/2504, 8-12=-1755/672, 9-12=-593/1395, 9-11=-1507/744

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 19=527, 11=543.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 111 lb down and 45 lb up at 10-10-0, 111 lb down and 45 lb up at 12-10-0, and 111 lb down and 45 lb up at 16-10-0, and 111 lb down and 45 lb up at 18-10-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-80, 5-10=-80, 17-20=-20, 14-16=-20, 13-23=-20
Concentrated Loads (lb)
Vert: 26=-100(F) 27=-100(F) 28=-100(F) 29=-100(F)

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August 11,2020

Job	Truss	Truss Type	Qty	Ply	
2432497	T06	Roof Special	1	1	T20988996
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:35:14 2020 Page 1
ID:5LJH23s?2Dk70oB9FeyB9Jyrs6E-eu7BvrTnsMuzwAYVN_p7ddIufcM636jYL9Lthhyox6x

3-7-0	6-10-0	11-8-0	18-10-0	20-11-0	23-0-0	25-4-0
3-7-0	3-3-0	4-10-0	7-2-0	2-1-0	2-1-0	2-4-0

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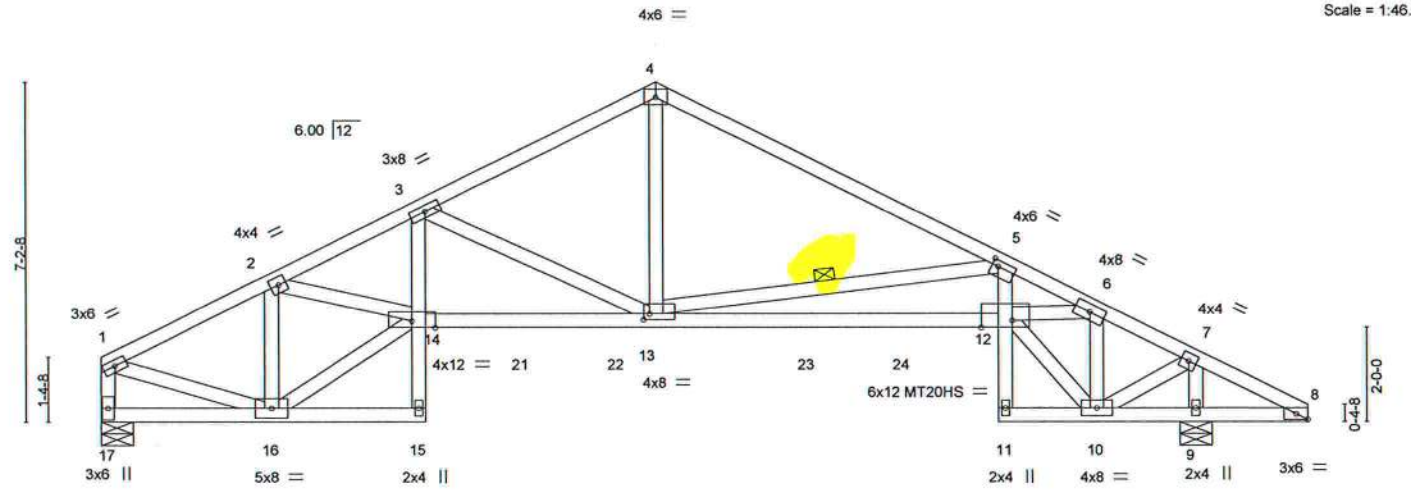


3-7-0	6-10-0	11-8-0	18-10-0	20-11-0	23-0-0	23-4-0	25-4-0
3-7-0	3-3-0	4-10-0	7-2-0	2-1-0	2-1-0	0-4-0	2-0-0

Plate Offsets (X,Y)-- [5:0-1-8,0-1-8], [8:0-2-15,Edge], [12:0-7-12,Edge], [13:0-1-8,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.56	Vert(LL)	-0.25	12-13	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.79	Vert(CT)	-0.59	12-13	>465	180	MT20HS	187/143
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.87	Horz(CT)	0.35	9	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 149 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2 *Except* 4-8: 2x4 SP M 31
BOT CHORD 2x4 SP No.2 *Except* 3-15: 2x4 SP No.3, 12-14: 2x4 SP M 31
WEBS 2x4 SP No.3 *Except* 6-12: 2x4 SP No.2

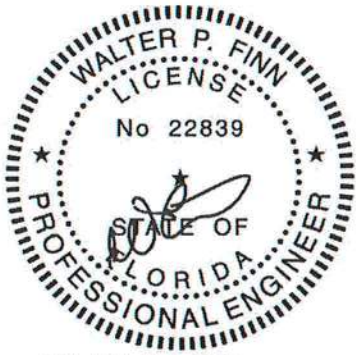
BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-1-11 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-11-8 oc bracing.
WEBS 1 Row at midpt 5-13

REACTIONS. (size) 17=0-8-0, 9=0-8-0
Max Horz 17=-193(LC 13)
Max Uplift 17=-435(LC 12), 9=-547(LC 13)
Max Grav 17=1374(LC 2), 9=1691(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1684/728, 2-3=-3313/1367, 3-4=-2161/934, 4-5=-2152/891, 5-6=-4657/1812, 6-7=-1255/496, 1-17=-1307/591
BOT CHORD 3-14=-263/832, 13-14=-1033/3025, 12-13=-1678/4512, 5-12=-293/1247
WEBS 2-16=-1318/567, 14-16=-615/1741, 2-14=-488/1522, 3-13=-1260/601, 4-13=-500/1404, 5-13=-2724/1216, 10-12=-411/1470, 6-12=-1174/3099, 6-10=-1791/661, 7-10=-578/1375, 7-9=-1539/771, 1-16=-584/1454

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) All plates are MT20 plates unless otherwise indicated.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 17=435, 9=547.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 111 lb down and 45 lb up at 8-10-0, 111 lb down and 45 lb up at 10-10-0, and 111 lb down and 45 lb up at 14-10-0, and 111 lb down and 45 lb up at 16-10-0 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



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6904 Parke East Blvd. Tampa FL 33610
Date:
August 11,2020

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	T20988996
2432497	T06	Roof Special	1	1	Job Reference (optional)

LOAD CASE(S) Standard

Uniform Loads (plf)

Vert: 1-4=-80, 4-8=-80, 15-17=-20, 12-14=-20, 11-18=-20

Concentrated Loads (lb)

Vert: 21=-100(F) 22=-100(F) 23=-100(F) 24=-100(F)

Job	Truss	Truss Type	Qty	Ply	
2432497	T07	Roof Special	1	1	T20988997
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:35:15 2020 Page 1
ID:5LJH23s?2Dk70oB9FeyB9Jyrs6E-65hZ6BUPdg0qYK7ixhKM9qr3G0hgoXKhap4RD7yox6w

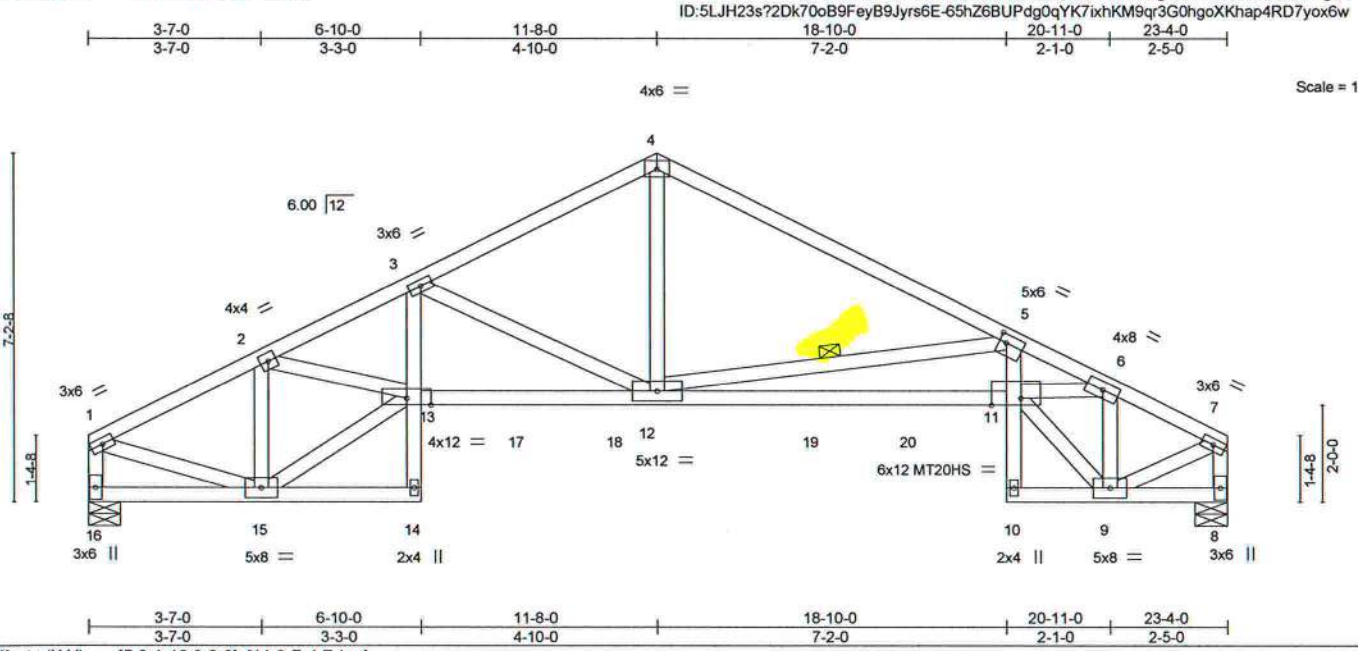

Plate Offsets (X,Y)-- [5:0-1-12,0-2-0], [11:0-7-4,Edge]

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	0.57	Vert(LL)	-0.27	11-12	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.83	Vert(CT)	-0.62	11-12	>445	180	MT20HS	187/143
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.97	Horz(CT)	0.37	8	n/a	n/a		
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-MS							Weight: 143 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP M 31
BOT CHORD 2x4 SP No.2 *Except*
3-14: 2x4 SP No.3, 11-13: 2x4 SP M 31
WEBS 2x4 SP No.3 *Except*
6-11: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-4-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
7-1-12 oc bracing: 12-13
5-3-10 oc bracing: 11-12.
WEBS 1 Row at midpt 5-12

REACTIONS. (size) 16=0-8-0, 8=0-8-0
Max Horz 16=-135(LC 13)
Max Uplift 16=-439(LC 12), 8=-455(LC 13)
Max Grav 16=1398(LC 2), 8=1441(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1717/749, 2-3=-3391/1482, 3-4=-2227/1007, 4-5=-2216/962, 5-6=-5090/2223, 6-7=-1503/652, 1-16=-1332/607, 7-8=-1380/617
BOT CHORD 3-13=-296/836, 12-13=-1195/3054, 11-12=-2108/4896, 5-11=-513/1484
WEBS 2-15=-1337/629, 13-15=-715/1761, 2-13=-575/1548, 3-12=-1252/634, 4-12=-557/1453, 5-12=-3052/1520, 9-11=-719/1799, 6-11=-1382/3248, 6-9=-1928/831, 1-15=-605/1481, 7-9=-563/1378

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) All plates are MT20 plates unless otherwise indicated.
4) The Fabrication Tolerance at joint 11 = 0%
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 16=439, 8=455.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 111 lb down and 45 lb up at 8-10-0, 111 lb down and 45 lb up at 10-10-0, and 111 lb down and 45 lb up at 14-10-0, and 111 lb down and 45 lb up at 16-10-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

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

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Tampa, FL 36610

LOAD CASE(S) Standard

Uniform Loads (plf)

Vert: 1-4=-80, 4-7=-80, 14-16=-20, 11-13=-20, 8-10=-20

Concentrated Loads (lb)

Vert: 17=-100(F) 18=-100(F) 19=-100(F) 20=-100(F)

Job	Truss	Truss Type	Qty	Ply	T20988998
2432497	T08	Roof Special	3	1	Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:35:16 2020 Page 1
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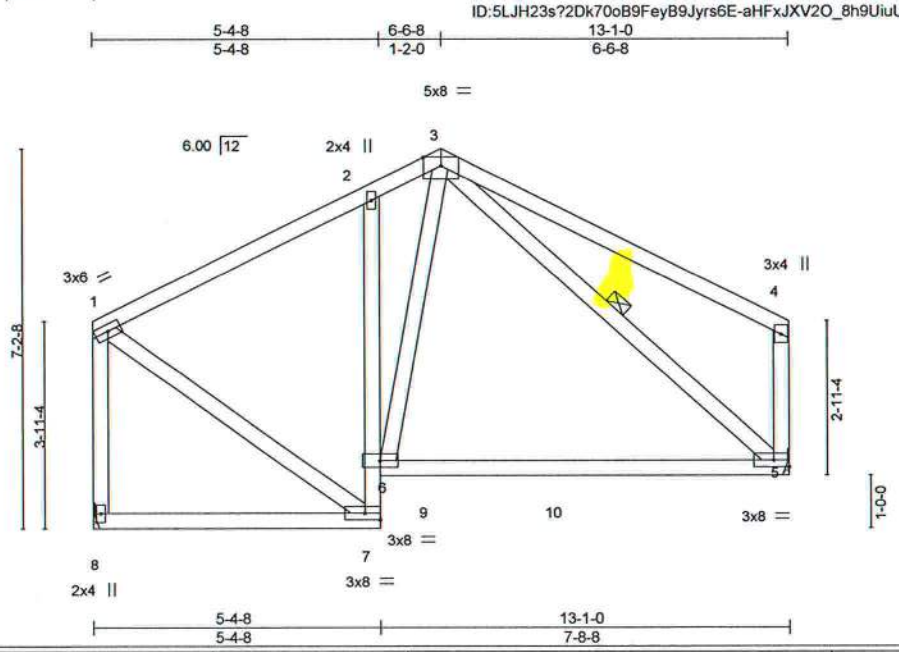


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.67	Vert(LL)	-0.24	5-6	>651	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.84	Vert(CT)	-0.40	5-6	>385	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.18	Horz(CT)	0.11	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 89 lb	FT = 20%

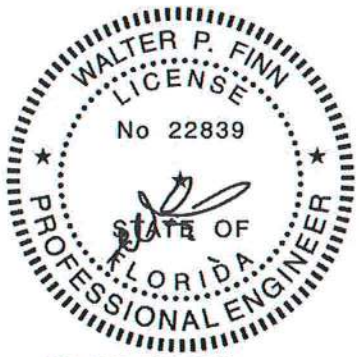
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

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

REACTIONS. (size) 8=Mechanical, 5=Mechanical
Max Horz 8=-75(LC 13)
Max Uplift 8=-186(LC 12), 5=-186(LC 13)
Max Grav 8=702(LC 2), 5=713(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-521/266, 2-3=-529/381, 1-8=-644/347, 4-5=-295/253
BOT CHORD 2-6=-335/239, 5-6=-140/397
WEBS 3-6=-165/356, 1-7=-174/464, 3-5=-419/128

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=186, 5=186.



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Job	Truss	Truss Type	Qty	Ply	
2432497	T09	Roof Special Girder	1	1	T20988999
					Job Reference (optional)

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ID:5LJH23s?2Dk70oB9FeyB9Jyrs6E-XgNhkCWlwbOOPnsHcqt3nTTXNDhC?tf7GmJ5qSyox6t

2-4-0	5-8-0	9-0-0	11-0-0	14-6-0	15-0-0	18-8-0	22-4-0	25-2-0	29-0-0	31-4-0
2-4-0	3-4-0	3-4-0	2-0-0	3-6-0	0-6-0	3-8-0	3-8-0	2-10-0	3-10-0	2-4-0

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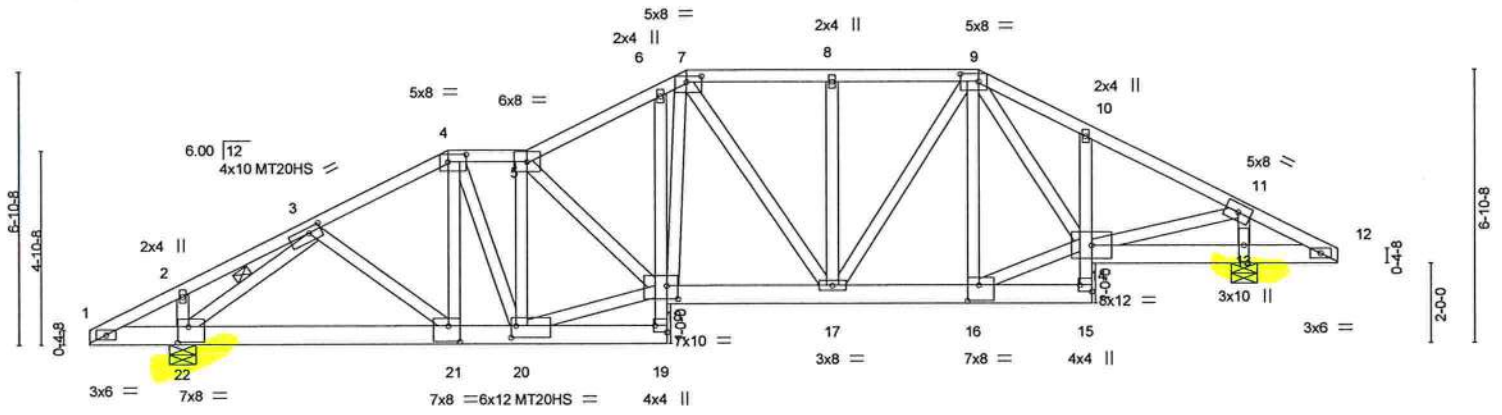

2-0-0	2-4-0	9-0-0	11-0-0	14-6-0	18-8-0	22-4-0	25-2-0	29-0-0	29-4-0	31-4-0
2-0-0	0-4-0	6-8-0	2-0-0	3-6-0	4-2-0	3-8-0	2-10-0	3-10-0	0-4-0	2-0-0

Plate Offsets (X,Y)-- [3:0-3-12,0-1-8], [4:0-5-8,0-2-4], [7:0-4-8,0-1-12], [9:0-5-8,0-2-4], [15:Edge,0-3-8], [16:0-3-8,0-4-12], [18:0-3-4,0-4-0], [19:Edge,0-3-8], [20:0-1-8,0-3-8], [21:0-3-8,0-4-12], [22:0-3-4,0-4-12]

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	0.64	Vert(LL)	0.19	18	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.91	Vert(CT)	-0.34	17-18	>938	180	MT20HS	187/143
BCLL	10.0 *	Rep Stress Incr	NO	WB	1.00	Horz(CT)	0.10	13	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 241 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
6-19: 2x4 SP No.3, 10-15: 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
18-20,14-16,11-14: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-3-5 oc purlins.
BOT CHORD Rigid ceiling directly applied or 4-11-0 oc bracing.
WEBS 1 Row at midpt 3-22

REACTIONS. (size) 22=0-8-0, 13=0-8-0
Max Horz 22=214(LC 27)
Max Uplift 22=-1661(LC 8), 13=-1621(LC 9)
Max Grav 22=3517(LC 2), 13=3566(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-272/184, 3-4=-4822/2429, 4-5=-4577/2320, 5-6=-4716/2304, 6-7=-4641/2346, 7-8=-3952/1963, 8-9=-3952/1963, 9-10=-4242/2121, 10-11=-4301/2059
BOT CHORD 21-22=-1873/3498, 20-21=-2204/4313, 19-20=-194/386, 17-18=-1862/3968, 16-17=-1732/3598, 15-16=-203/424
WEBS 2-22=-323/219, 3-22=-4376/2144, 3-21=-506/977, 4-21=-762/1302, 4-20=-257/691, 5-20=-1779/790, 18-20=-2205/4418, 5-18=-657/477, 7-18=-1023/1862, 8-17=-302/203, 9-17=-223/661, 9-16=-740/786, 14-16=-1610/3344, 9-14=-198/368, 11-14=-1732/3761, 11-13=-3121/1504

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; cantilever left and right exposed ; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 22=1661, 13=1621.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 117 lb down and 130 lb up at 22-4-0 on top chord, and 1848 lb down and 1148 lb up at 9-0-0, and 1868 lb down and 1176 lb up at 22-3-4 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

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LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-4=-80, 4-5=-80, 5-7=-80, 7-9=-80, 9-12=-80, 1-19=-20, 15-18=-20, 12-14=-20
   Concentrated Loads (lb)
   Vert: 9=-79(F) 21=-1719(F) 16=-1719(F)

Job	Truss	Truss Type	Qty	Ply	
2432497	T10	Roof Special	1	1	T20989000
					Job Reference (optional)

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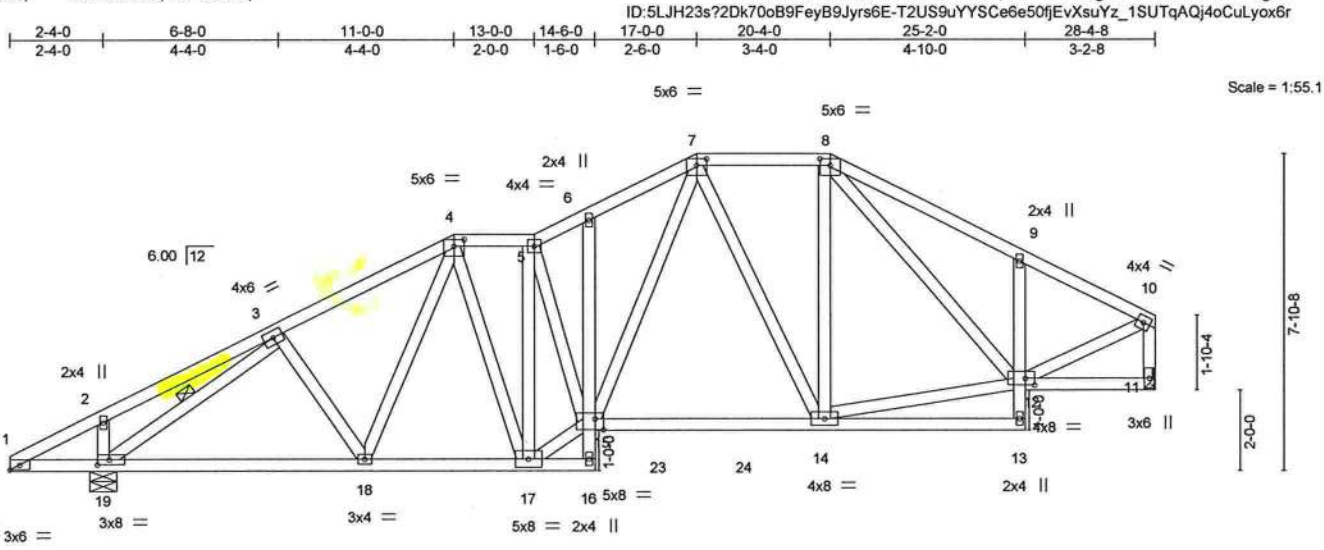

Plate Offsets (X,Y)-- [4:0-3-0,0-2-0], [7:0-3-0,0-2-0], [8:0-3-0,0-2-0], [12:0-2-12,0-2-0], [15:0-2-8,0-3-4], [19:0-3-8,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.31	Vert(LL)	-0.11	14-15	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.60	Vert(CT)	-0.21	14-15	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.80	Horz(CT)	0.06	11	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 206 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
6-16,9-13: 2x4 SP No.3
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-1-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 3-19

REACTIONS. (size) 11=Mechanical, 19=0-8-0
Max Horz 19=285(LC 12)
Max Uplift 11=-355(LC 13), 19=-521(LC 12)
Max Grav 11=1385(LC 2), 19=1643(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-1713/755, 4-5=-1546/748, 5-6=-1907/893, 6-7=-1948/978, 7-8=-1211/657, 8-9=-1455/769, 9-10=-1423/615, 10-11=-1311/580
BOT CHORD 18-19=-672/1411, 17-18=-593/1422, 14-15=-492/1341, 9-12=-361/306
WEBS 2-19=-307/269, 3-19=-1837/808, 4-17=-117/394, 5-17=-1313/522, 15-17=-721/1871, 5-15=-99/431, 7-15=-485/997, 7-14=-371/209, 8-14=-97/367, 12-14=-397/1138, 10-12=-554/1347

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 11=355, 19=521.

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Job	Truss	Truss Type	Qty	Ply	
2432497	T11	Roof Special	1	1	T20989001
					Job Reference (optional)

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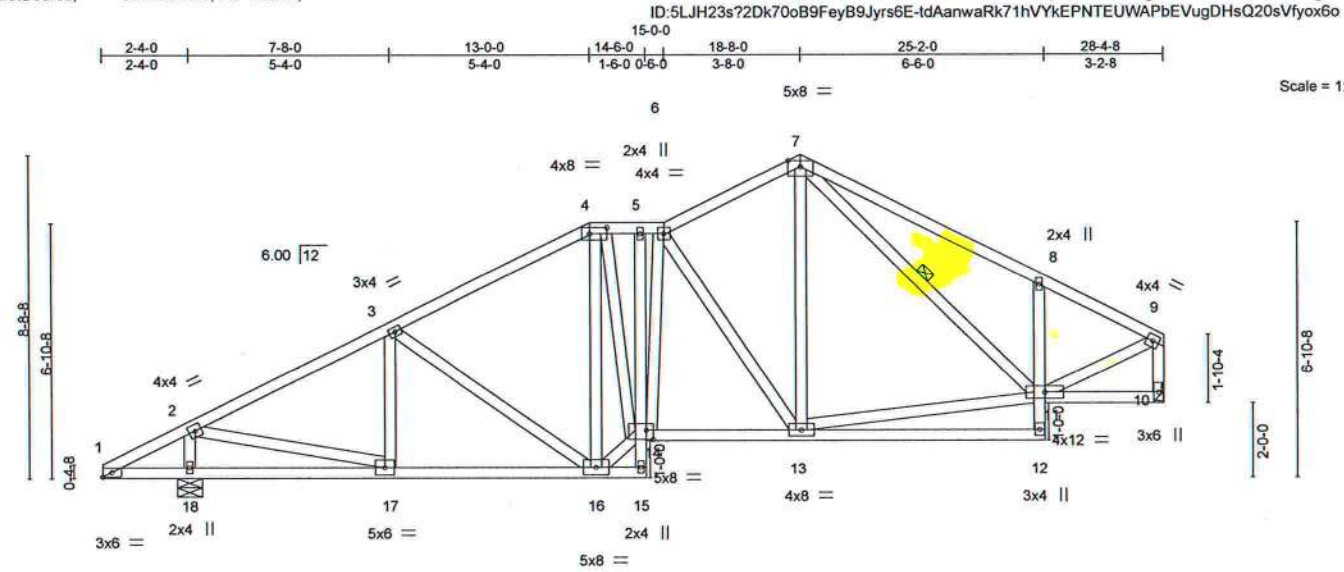

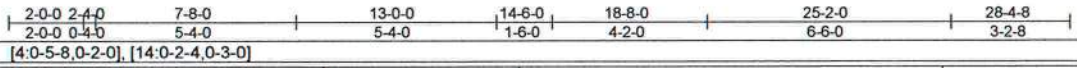

Plate Offsets (X,Y)-- [4:0-5-8,0-2-0], [14:0-2-4,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.61	Vert(LL)	-0.07	12-13	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.56	Vert(CT)	-0.16	12-13	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.65	Horz(CT)	0.05	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 205 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
5-15,8-12: 2x4 SP No.3
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-6-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 7-11

REACTIONS. (size) 10=Mechanical, 18=0-8-0
Max Horz 18=304(LC 12)
Max Uplift 10=-375(LC 13), 18=-531(LC 12)
Max Grav 10=1348(LC 2), 18=1616(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1736/710, 3-4=-1540/723, 4-5=-1520/800, 5-6=-1531/804, 6-7=-1300/705, 7-8=-1479/847, 8-9=-1394/635, 9-10=-1272/587
BOT CHORD 17-18=-268/103, 16-17=-693/1481, 13-14=-638/1545, 8-11=-476/395
WEBS 2-18=-1430/772, 2-17=-639/1559, 3-16=-261/219, 4-16=-686/304, 14-16=-623/1555, 4-14=-412/1026, 6-13=-767/434, 7-13=-271/736, 11-13=-386/1010, 7-11=-257/255, 9-11=-594/1339

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 10=375, 18=531.

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Job	Truss	Truss Type	Qty	Ply	
2432497	T12	Roof Special	1	1	T20989002
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:35:25 2020 Page 1
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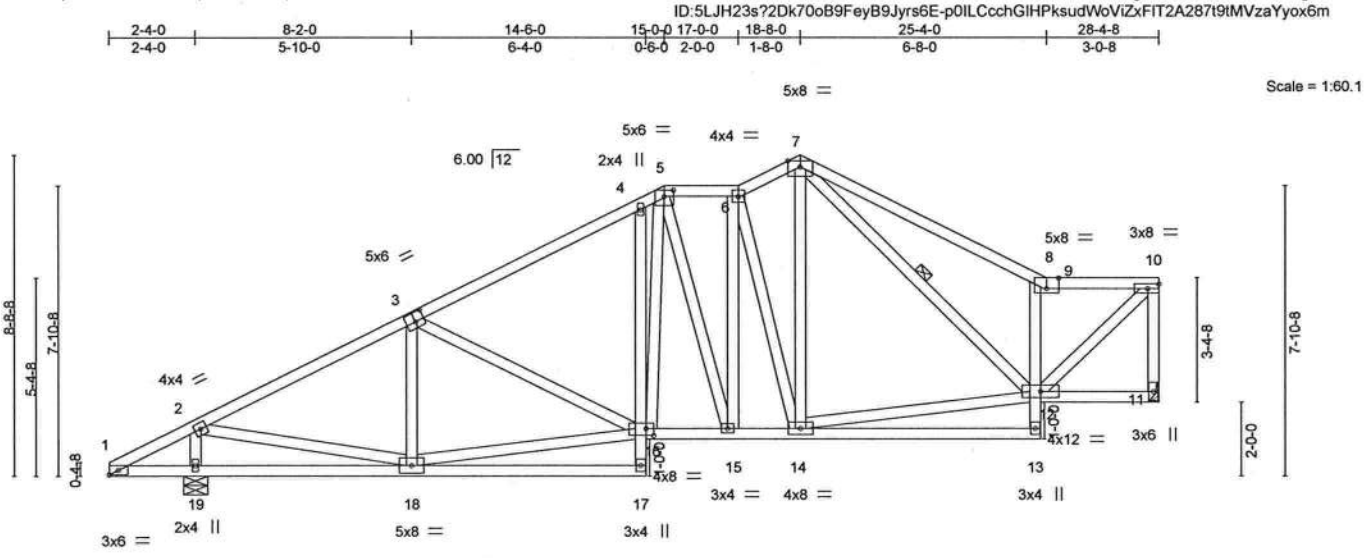

Plate Offsets (X,Y)-- [3:0-3-0,0-3-0], [5:0-3-0,0-2-0], [8:0-1-12,0-0-14], [9:0-4-0,Edge], [9:0-0-0,0-1-12], [16:0-2-8,0-2-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.59	Vert(LL)	-0.07	17-18	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.51	Vert(CT)	-0.17	17-18	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.65	Horz(CT)	0.03	11	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 220 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
4-17,8-13: 2x4 SP No.3
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-9-5 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 7-12

REACTIONS. (size) 11=Mechanical, 19=0-8-0
Max Horz 19=349(LC 12)
Max Uplift 11=-388(LC 13), 19=-524(LC 12)
Max Grav 11=1348(LC 2), 19=1616(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1769/698, 3-4=-1660/771, 4-5=-1624/926, 5-6=-1294/713, 6-7=-1248/684, 7-8=-1479/782, 8-9=-1099/488, 9-10=-1244/570, 10-11=-1271/588
BOT CHORD 18-19=-329/106, 4-16=-412/351, 15-16=-582/1315, 14-15=-561/1292, 8-12=-1018/626
WEBS 2-19=-1432/769, 2-18=-601/1550, 3-18=-402/291, 16-18=-735/1388, 5-16=-499/773, 6-14=-694/395, 7-14=-288/758, 12-14=-449/998, 10-12=-784/1698

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 11=388, 19=524.

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

August 11,2020

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
2432497	T13	Roof Special	1	1	T20989003
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:35:26 2020 Page 1
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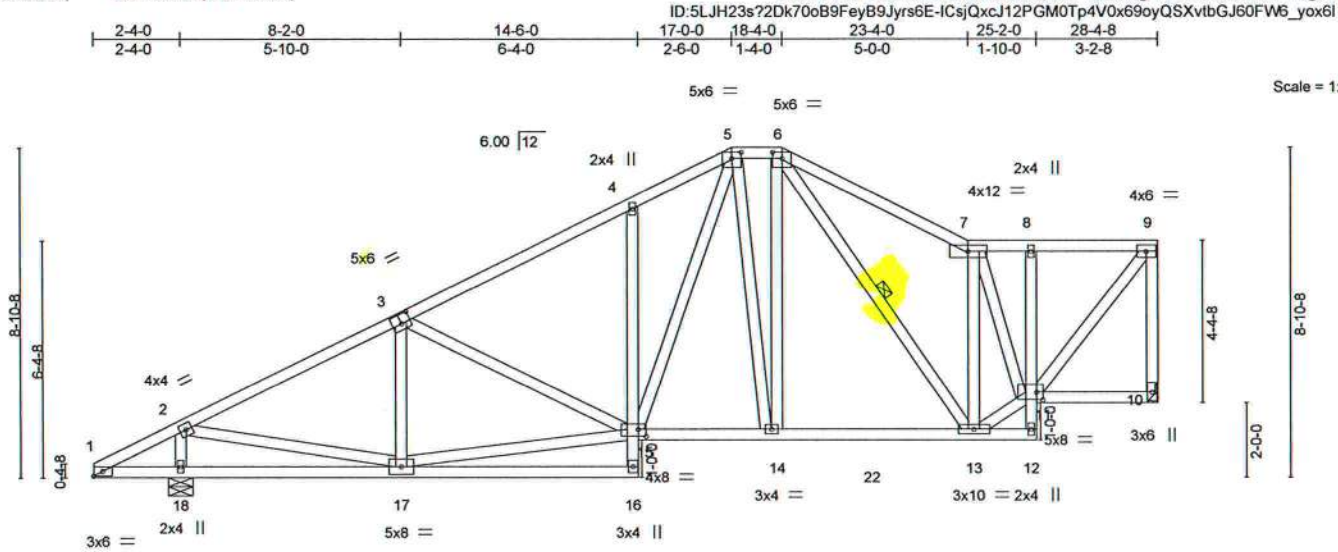


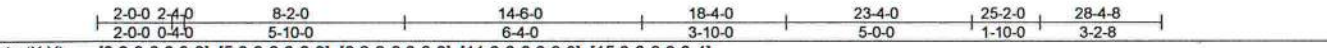


Plate Offsets (X,Y)-- [3:0-3-0,0-3-0], [5:0-3-0,0-2-0], [6:0-3-0,0-2-0], [11:0-2-0,0-2-8], [15:0-2-8,0-2-4]

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	0.51	Vert(LL)	-0.07	16-17	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.47	Vert(CT)	-0.17	16-17	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.64	Horz(CT)	0.03	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 215 lb	FT = 20%

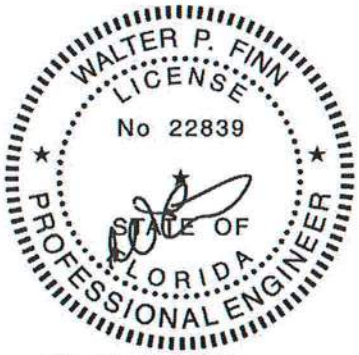
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
4-16,8-12: 2x4 SP No.3
WEBS 2x4 SP No.3

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

REACTIONS. (size) 10=Mechanical, 18=0-8-0
Max Horz 18=385(LC 12)
Max Uplift 10=-403(LC 13), 18=-500(LC 12)
Max Grav 10=1399(LC 2), 18=1642(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1812/681, 3-4=-1720/755, 4-5=-1685/910, 5-6=-1167/644, 6-7=-1335/639, 7-8=-966/415, 8-9=-972/419, 9-10=-1331/599
BOT CHORD 17-18=-358/122, 4-15=-412/339, 14-15=-507/1176, 13-14=-493/1161
WEBS 2-18=-1456/755, 2-17=-593/1594, 3-17=-405/297, 15-17=-781/1426, 5-15=-522/818, 6-14=-138/401, 7-13=-504/323, 11-13=-526/1282, 7-11=-385/171, 9-11=-669/1552

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 10=403, 18=500.



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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	T20989004
2432497	T14	Roof Special	1	1	Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:35:27 2020 Page 1
ID:5LJH23s?2Dk70oB9FeyB9Jyrs6E-mOP5dHdxoMX7_A2?eDXAeML4Qrohc0ySKg_3eRyox6k

2-4-0	8-2-0	14-6-0	17-8-0	21-4-0	25-2-0	28-4-8
2-4-0	5-10-0	6-4-0	3-2-0	3-8-0	3-10-0	3-2-8

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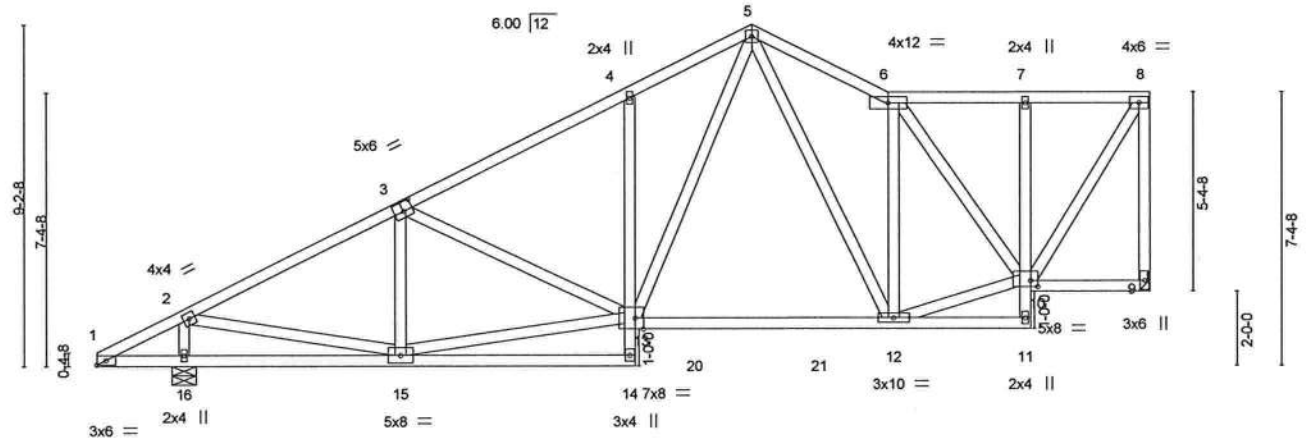

2-0-0 2-4-0	8-2-0	14-6-0	21-4-0	25-2-0	28-4-8
2-0-0 0-4-0	5-10-0	6-4-0	6-10-0	3-10-0	3-2-8

Plate Offsets (X,Y)-- [3:0-3-0,0-3-0], [10:0-2-4,0-2-0], [13:0-2-12,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	0.69	Vert(LL)	-0.19	12-13	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.82	Vert(CT)	-0.33	12-13	>953	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.74	Horz(CT)	0.03	9	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 204 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
4-14,7-11: 2x4 SP No.3
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-11-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (size) 9=Mechanical, 16=0-8-0
Max Horz 16=423(LC 12)
Max Uplift 9=-424(LC 13), 16=-496(LC 12)
Max Grav 9=1409(LC 2), 16=1656(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1833/656, 3-4=-1770/734, 4-5=-1736/888, 5-6=-1429/664, 6-7=-794/349, 7-8=-795/349, 8-9=-1340/611
BOT CHORD 15-16=-399/146, 4-13=-405/329, 12-13=-515/1116, 7-10=-309/185
WEBS 2-16=-1472/743, 2-15=-566/1607, 3-15=-411/298, 13-15=-821/1568, 5-13=-528/985, 5-12=-114/327, 6-12=-353/229, 10-12=-518/1253, 6-10=-731/306, 8-10=-648/1472

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=424, 16=496.

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Date:

August 11,2020

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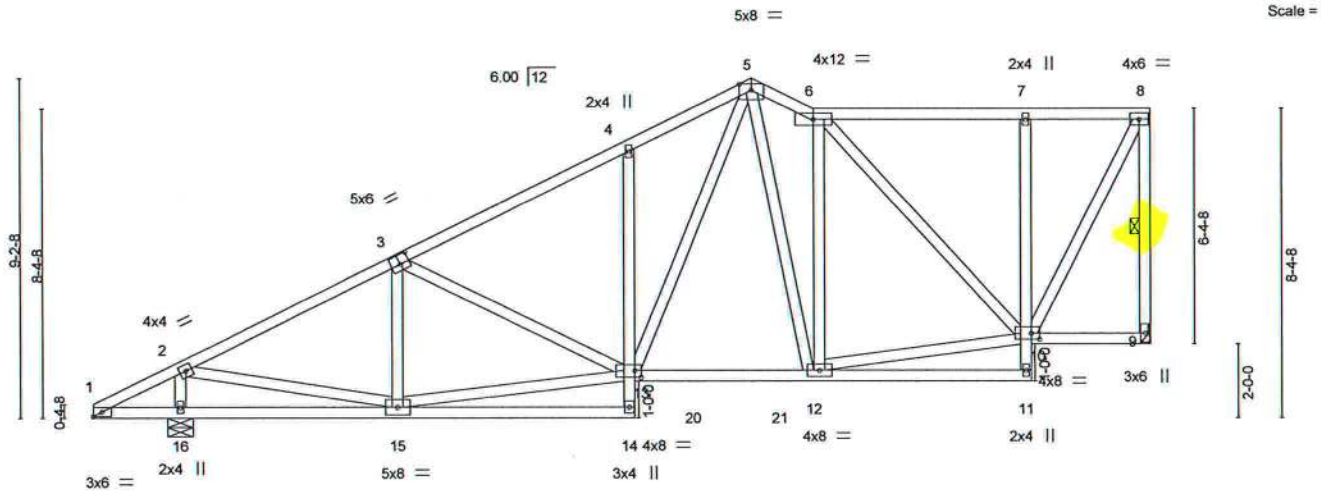
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
2432497	T15	Roof Special	1	1	T20989005
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:35:29 2020 Page 1
ID:5LJH23s?2Dk70oB9FeyB9Jyrs6E-inXs2zfBKznrDTCOldaeknQTlfZE4stlo_TAjJyox6i

2-4-0	8-2-0	14-6-0	17-8-0	19-4-0	25-2-0	28-4-8
2-4-0	5-10-0	6-4-0	3-2-0	1-8-0	5-10-0	3-2-8

Scale = 1:59.8



2-0-0 2-4-0	8-2-0	14-6-0	19-4-0	25-2-0	28-4-8
2-0-0 0-4-0	5-10-0	6-4-0	4-10-0	5-10-0	3-2-8

Plate Offsets (X,Y)-- [3:0-3-0,0-3-0], [10:0-2-12,0-2-0], [13:0-2-0,0-2-4]

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	0.50	Vert(LL)	-0.08	12-13	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.50	Vert(CT)	-0.17	14-15	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.97	Horz(CT)	0.03	9	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 215 lb	FT = 20%

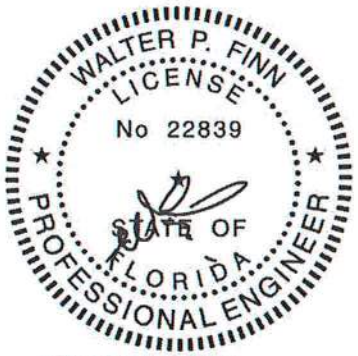
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
4-14,7-11: 2x4 SP No.3
WEBS 2x4 SP No.3

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

REACTIONS. (size) 9=Mechanical, 16=0-8-0
Max Horz 16=453(LC 12)
Max Uplift 9=-440(LC 13), 16=-487(LC 12)
Max Grav 9=1389(LC 2), 16=1645(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1816/624, 3-4=-1734/702, 4-5=-1701/860, 5-6=-1360/657, 6-7=-670/310, 7-8=-666/306, 8-9=-1318/621
BOT CHORD 15-16=-429/167, 4-13=-408/337, 12-13=-539/1110, 7-10=-433/255
WEBS 2-16=-1462/723, 2-15=-539/1592, 3-15=-406/297, 13-15=-854/1479, 5-13=-549/907, 5-12=-138/427, 6-12=-386/228, 10-12=-542/1124, 6-10=-758/359, 8-10=-653/1415

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=440, 16=487.



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6904 Parke East Blvd. Tampa FL 33610
Date:

August 11,2020

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
2432497	T16	Half Hip	1	1	T20989006
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:35:30 2020 Page 1
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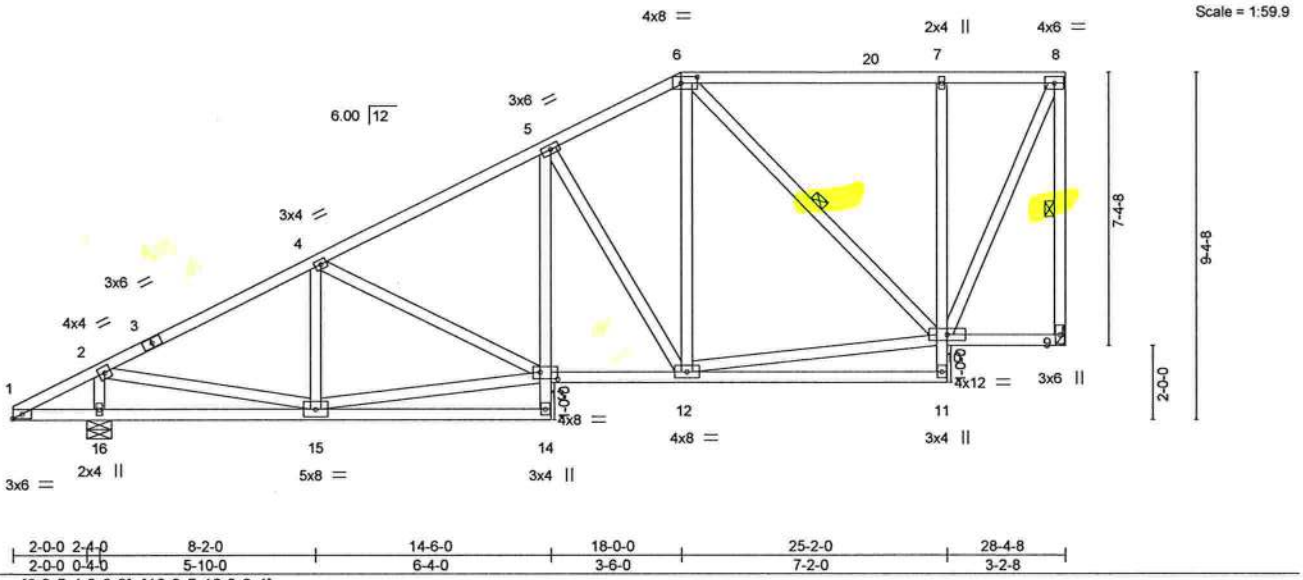

Plate Offsets (X,Y)-- [6:0-5-4,0-2-0], [13:0-5-12,0-2-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.71	Vert(LL)	-0.08	11-12	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.57	Vert(CT)	-0.18	11-12	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.76	Horz(CT)	0.03	9	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 211 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
5-14,7-11: 2x4 SP No.3
WEBS 2x4 SP No.3

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

REACTIONS. (size) 9=Mechanical, 16=0-8-0
Max Horz 16=489(LC 12)
Max Uplift 9=-489(LC 12), 16=-514(LC 12)
Max Grav 9=1348(LC 2), 16=1616(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-1770/591, 4-5=-1665/667, 5-6=-1239/562, 6-7=-572/284, 7-8=-565/278, 8-9=-1277/637
BOT CHORD 15-16=-463/185, 5-13=-185/409, 12-13=-782/1396, 7-10=-526/308
WEBS 4-15=-408/299, 13-15=-885/1391, 5-12=-687/465, 6-12=-285/708, 10-12=-540/964, 6-10=-690/373, 8-10=-672/1360, 2-15=-513/1554, 2-16=-1431/702

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=489, 16=514.

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Date:

August 11,2020

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
2432497	T17	Half Hip	1	1	T20989007
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:35:31 2020 Page 1
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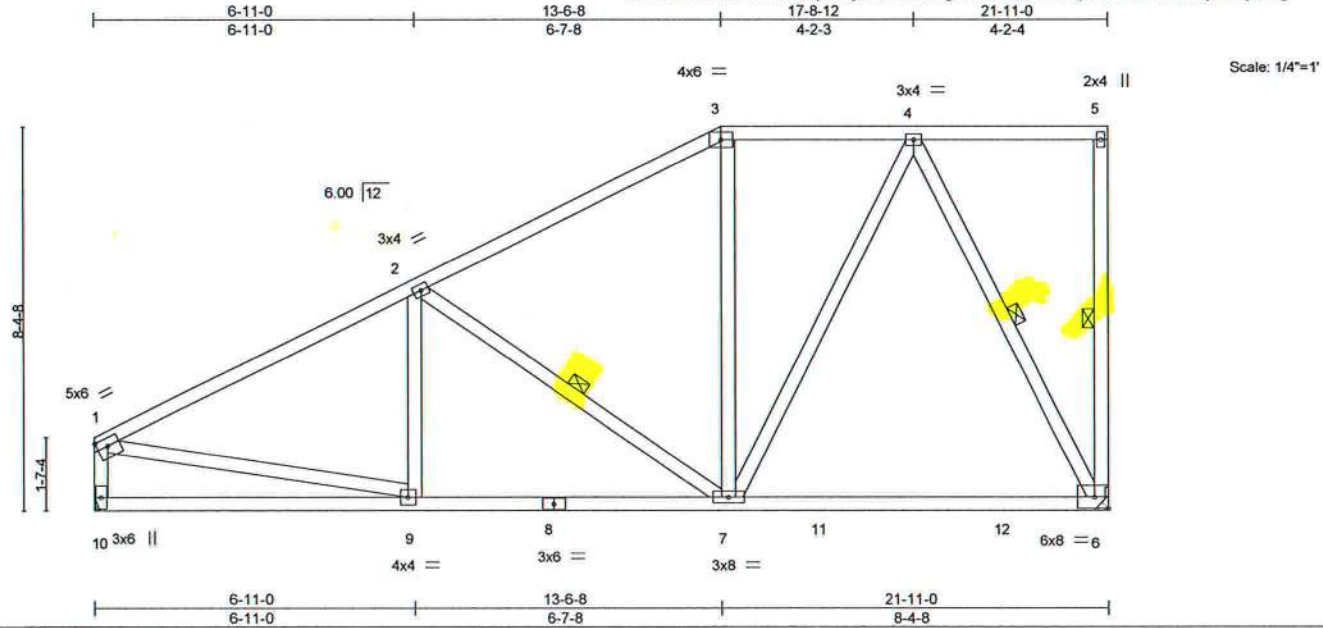


Plate Offsets (X,Y)-- [1:0-2-12,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.73	Vert(LL)	-0.26	6-7	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.47	Vert(CT)	-0.36	6-7	>720	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.50	Horz(CT)	0.02	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 147 lb	FT = 20%

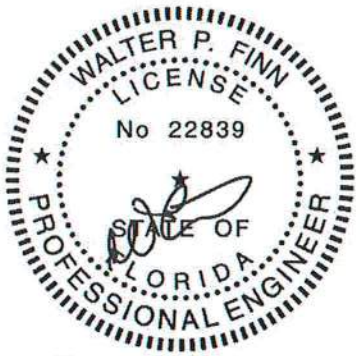
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
6-8: 2x4 SP M 31
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-10-3 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-10-12 oc bracing.
WEBS 1 Row at midpt 5-6, 2-7, 4-6

REACTIONS. (size) 6=Mechanical, 10=Mechanical
Max Horz 10=364(LC 12)
Max Uplift 6=-424(LC 12), 10=-342(LC 12)
Max Grav 6=1232(LC 2), 10=1158(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1471/486, 2-3=-1007/353, 3-4=-794/388, 1-10=-1041/413
BOT CHORD 9-10=-474/257, 7-9=-737/1233, 6-7=-246/482
WEBS 2-7=-549/424, 4-7=-318/699, 4-6=-1046/548, 1-9=-268/1102

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=424, 10=342.



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August 11,2020

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Job	Truss	Truss Type	Qty	Ply	
2432497	T18	Roof Special Girder	1	1	T20989008
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:35:32 2020 Page 1
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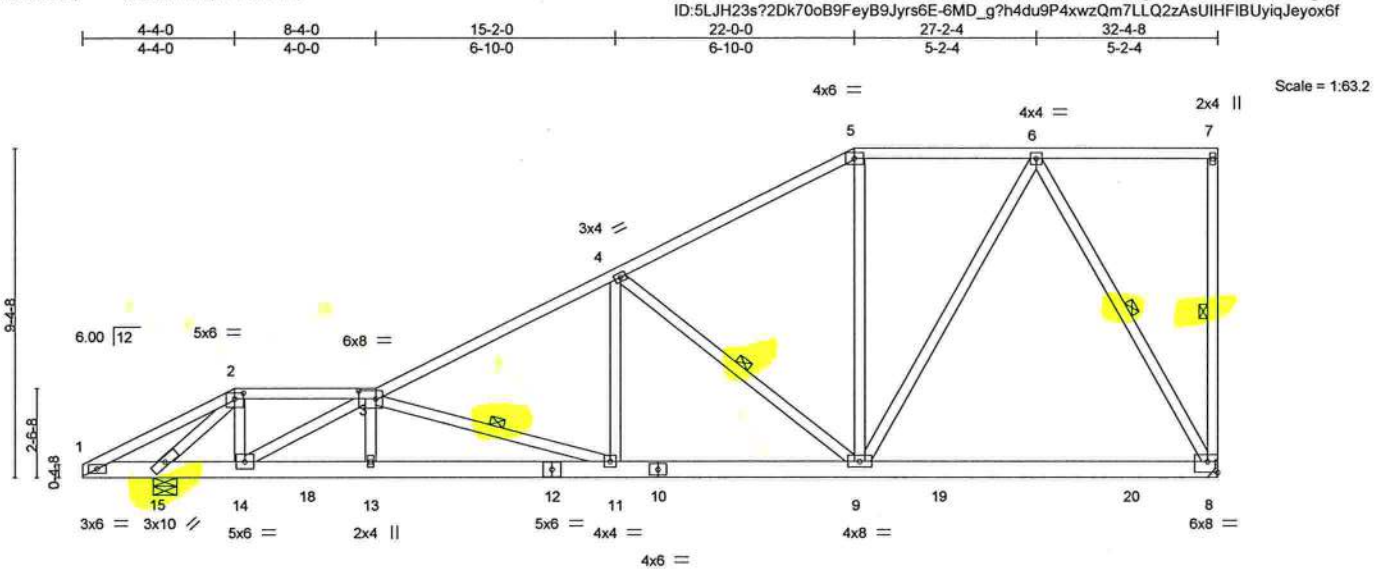

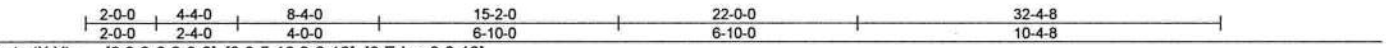

Plate Offsets (X,Y)-- [2:0-3-0,0-2-0], [3:0-5-12,0-2-12], [8:Edge,0-3-12]

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	0.49	Vert(LL)	-0.25	8-9	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.86	Vert(CT)	-0.38	8-9	>955	180		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.89	Horz(CT)	0.07	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 228 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-6-3 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-4-9 oc bracing.
WEBS 1 Row at midpt 7-8, 3-11, 4-9, 6-8

REACTIONS. (size) 8=Mechanical, 15=0-8-0
Max Horz 15=489(LC 8)
Max Uplift 8=-540(LC 5), 15=-904(LC 8)
Max Grav 8=1708(LC 2), 15=1774(LC 35)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1512/866, 3-4=-2560/824, 4-5=-1563/455, 5-6=-1291/474
BOT CHORD 14-15=-1198/1429, 13-14=-1822/3609, 11-13=-1823/3595, 9-11=-1018/2213, 8-9=-271/764
WEBS 2-15=-1981/1015, 2-14=-562/1204, 3-14=-2481/673, 3-11=-1450/844, 4-11=-228/638, 4-9=-1186/696, 5-9=-8/307, 6-9=-416/1076, 6-8=-1538/553

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; cantilever left exposed ; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=540, 15=904.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 52 lb down and 66 lb up at 4-4-0 on top chord, and 120 lb down and 359 lb up at 4-4-0, and 94 lb down and 115 lb up at 6-4-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-80, 2-3=-80, 3-5=-80, 5-7=-80, 1-8=-20
Concentrated Loads (lb)
Vert: 2=-1(F) 14=183(F) 18=-94(F)

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Job	Truss	Truss Type	Qty	Ply	
2432497	T19	Roof Special	1	1	T20989009
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:35:34 2020 Page 1
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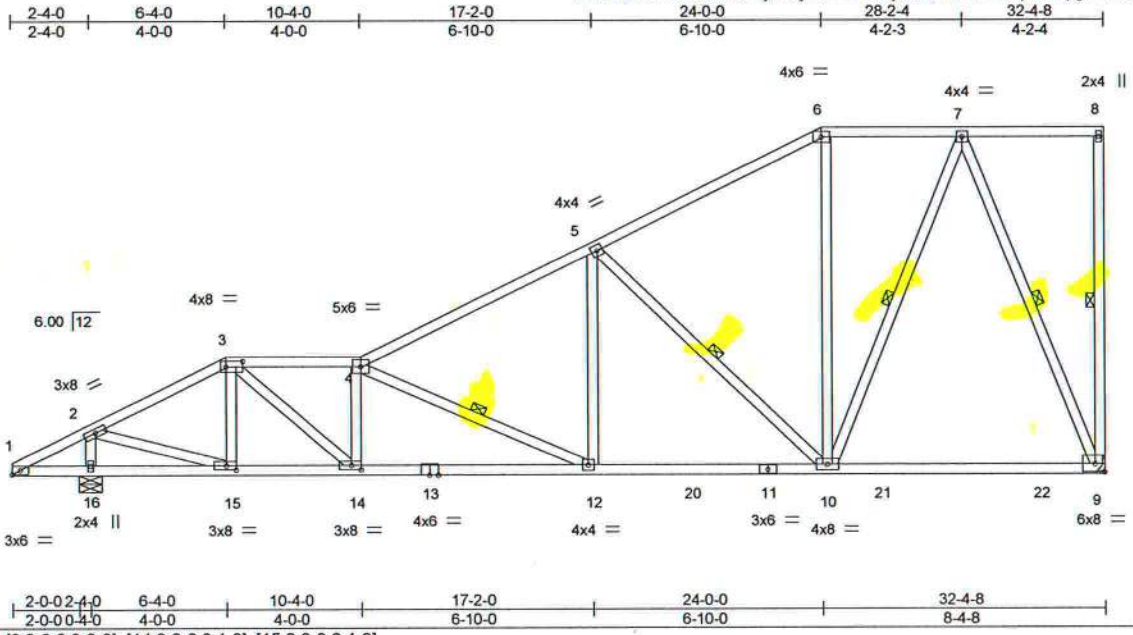

Plate Offsets (X,Y)-- [3:0-6-0,0-2-0], [14:0-3-8,0-1-8], [15:0-3-8,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.80	Vert(LL)	-0.27	9-10	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.80	Vert(CT)	-0.40	9-10	>893	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.93	Horz(CT)	0.06	9	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 218 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP M 31 *Except*
1-13: 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-0-3 oc bracing.
WEBS 1 Row at midpt 8-9, 4-12, 5-10, 7-10, 7-9

REACTIONS. (size) 9=Mechanical, 16=0-8-0
Max Horz 16=543(LC 12)
Max Uplift 9=-517(LC 12), 16=-573(LC 12)
Max Grav 9=1730(LC 2), 16=1884(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1989/639, 3-4=-2921/980, 4-5=-2268/713, 5-6=-1276/432, 6-7=-1032/462
BOT CHORD 15-16=-487/157, 14-15=-1017/1694, 12-14=-1404/2959, 10-12=-949/1951, 9-10=-272/583
WEBS 2-16=-1712/750, 2-15=-613/1864, 3-15=-427/200, 3-14=-485/1605, 4-14=-844/349, 4-12=-1116/504, 5-12=-177/778, 5-10=-1273/671, 7-10=-510/1206, 7-9=-1538/730

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=517, 16=573.

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Job	Truss	Truss Type	Qty	Ply	T20989010
2432497	T20	Roof Special	1	1	Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:35:35 2020 Page 1
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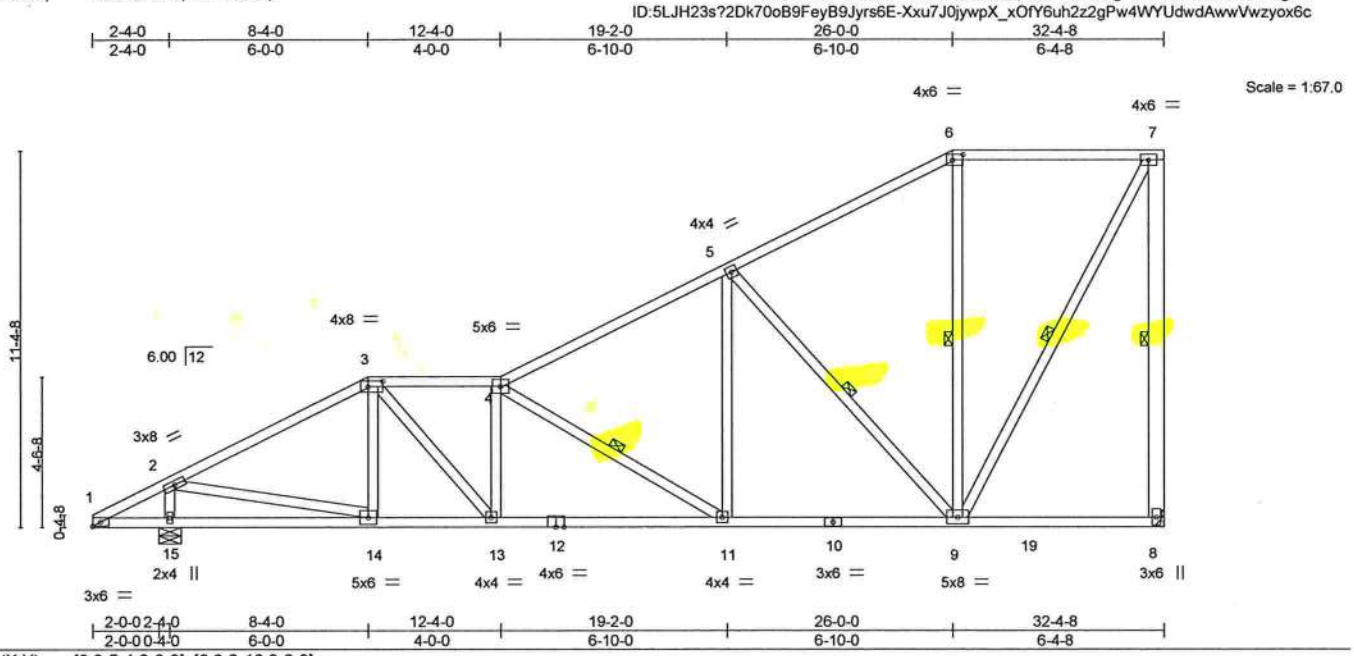

Plate Offsets (X,Y)-- [3:0-5-4,0-2-0], [6:0-3-12,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.78	Vert(LL)	-0.13	9-11	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.89	Vert(CT)	-0.29	11-13	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.74	Horz(CT)	0.06	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 227 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
7-8: 2x6 SP No.2, 7-9: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-3-12 oc bracing.
WEBS 1 Row at midpt 7-8, 4-11, 5-9, 6-9, 7-9

REACTIONS. (size) 8=Mechanical, 15=0-8-0
Max Horz 15=597(LC 12)
Max Uplift 8=-572(LC 12), 15=-563(LC 12)
Max Grav 8=1724(LC 2), 15=1864(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2140/663, 3-4=-2521/834, 4-5=-1933/573, 5-6=-958/309, 6-7=-747/352, 7-8=-1558/775
BOT CHORD 14-15=-606/286, 13-14=-1067/1811, 11-13=-1251/2542, 9-11=-823/1650
WEBS 2-15=-1661/779, 2-14=-512/1793, 3-13=-261/1057, 4-13=-611/227, 4-11=-1051/504, 5-11=-224/889, 5-9=-1338/695, 7-9=-726/1533

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=572, 15=563.

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Job	Truss	Truss Type	Qty	Ply	
2432497	T21	Roof Special	1	1	T20989011
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:35:36 2020 Page 1
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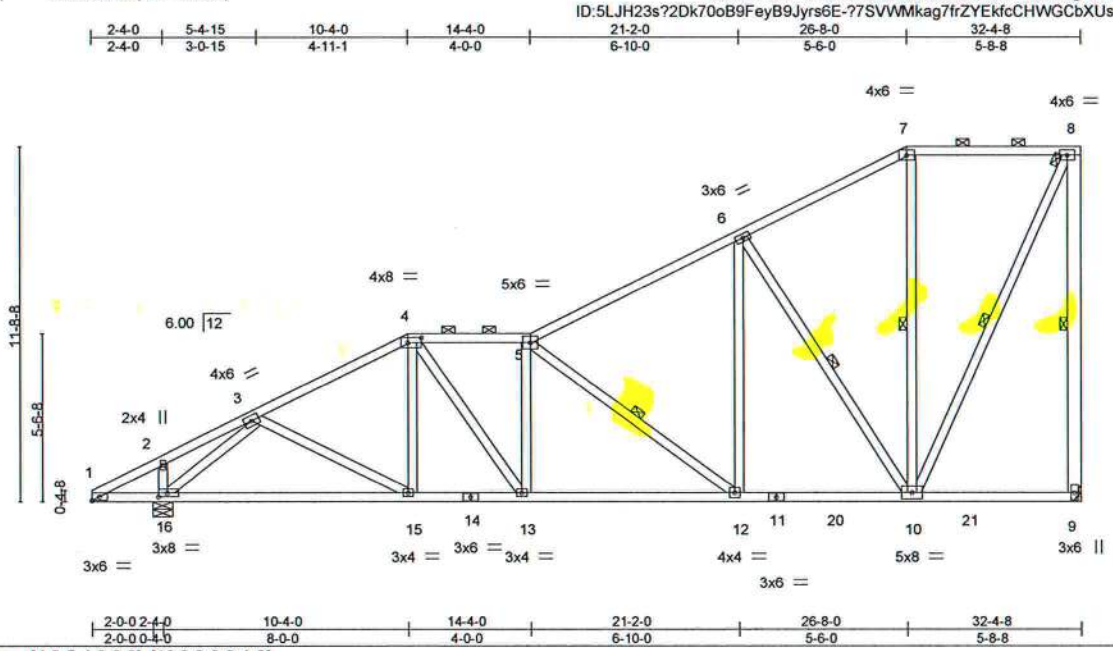


Plate Offsets (X,Y)-- [4:0-5-4,0-2-0], [16:0-3-8,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.72	Vert(LL)	-0.12	12-13	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.77	Vert(CT)	-0.28	12-13	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.72	Horz(CT)	0.07	9	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 240 lb	FT = 20%

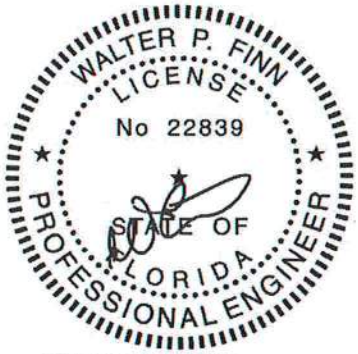
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
8-9: 2x6 SP No.2, 8-10: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals, and 2-0-0 oc purlins (3-10-3 max.): 4-5, 7-8.
BOT CHORD Rigid ceiling directly applied or 5-7-10 oc bracing.
WEBS 1 Row at midpt 8-9, 5-12, 6-10, 7-10, 8-10

REACTIONS. (size) 9=Mechanical, 16=0-8-0
Max Horz 16=615(LC 12)
Max Uplift 9=-591(LC 12), 16=-559(LC 12)
Max Grav 9=1717(LC 2), 16=1855(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-2097/668, 4-5=-2207/740, 5-6=-1627/472, 6-7=-838/286, 7-8=-656/312, 8-9=-1566/782
BOT CHORD 15-16=-1075/1494, 13-15=-1028/1801, 12-13=-1113/2218, 10-12=-689/1372
WEBS 3-15=-26/362, 4-13=-137/687, 5-13=-408/138, 5-12=-1067/535, 6-12=-286/953, 6-10=-1308/686, 8-10=-725/1517, 3-16=-2061/835

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=591, 16=559.
7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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Job	Truss	Truss Type	Qty	Ply	
2432497	T22	Piggyback Base	1	1	T20989012
					Job Reference (optional)

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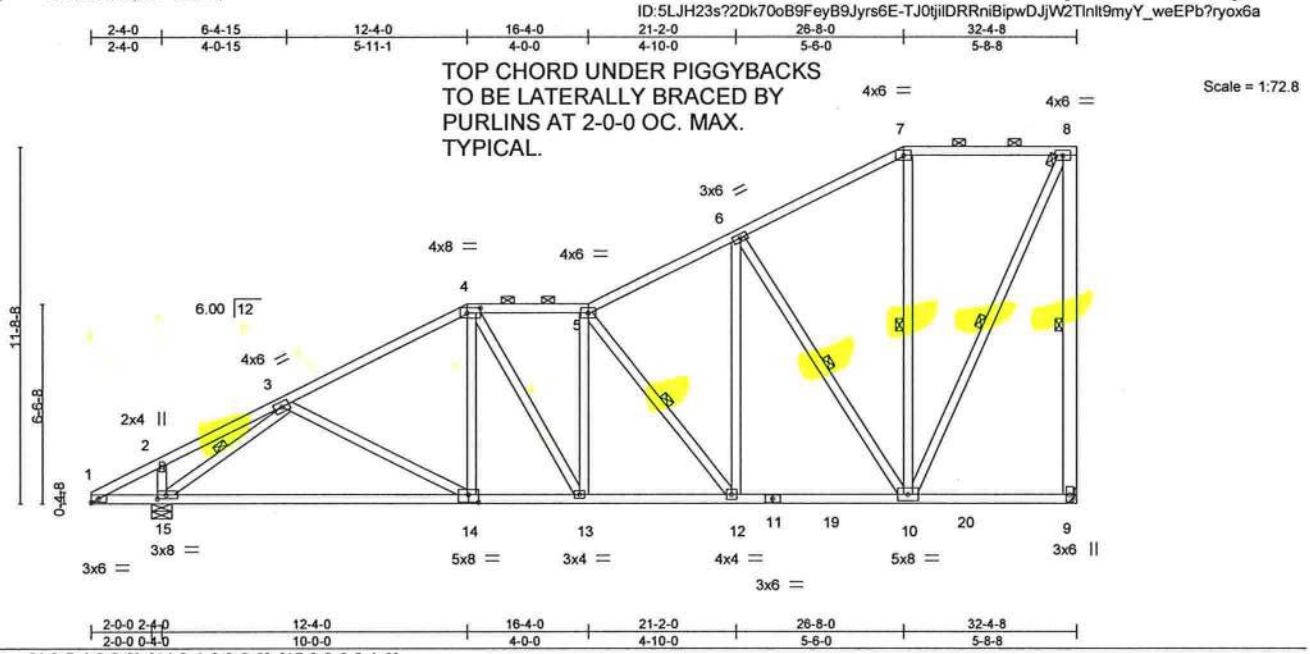

Plate Offsets (X,Y)-- [4:0-5-4,0-2-0], [14:0-4-0,0-3-0], [15:0-3-8,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.69	Vert(LL)	-0.21	14-15	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.97	Vert(CT)	-0.44	14-15	>813	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.70	Horz(CT)	0.07	9	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 247 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
8-9: 2x6 SP No.2, 8-10: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-9-12 oc purlins, except end verticals, and 2-0-0 oc purlins (4-1-4 max.): 4-5, 7-8.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 8-9, 5-12, 6-10, 7-10, 8-10, 3-15

REACTIONS. (size) 9=Mechanical, 15=0-8-0
Max Horz 15=615(LC 12)
Max Uplift 9=-591(LC 12), 15=-559(LC 12)
Max Grav 9=1717(LC 2), 15=1855(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-2051/650, 4-5=-1916/659, 5-6=-1576/486, 6-7=-831/278, 7-8=-658/313, 8-9=-1568/781
BOT CHORD 14-15=-1129/1651, 13-14=-964/1744, 12-13=-968/1921, 10-12=-677/1356
WEBS 4-14=-37/282, 4-13=-18/327, 5-12=-923/476, 6-12=-342/1001, 6-10=-1275/664, 8-10=-726/1523, 3-15=-2052/864

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=591, 15=559.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
2432497	T23	Piggyback Base	1	1	T20989013
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:35:38 2020 Page 1
ID:5LJH23s?2Dk70oB9FeyB9Jyrs6E-xWaFx2mrCkwZosO7n0ElbhItIHYKh_F4su99Xlyox6Z

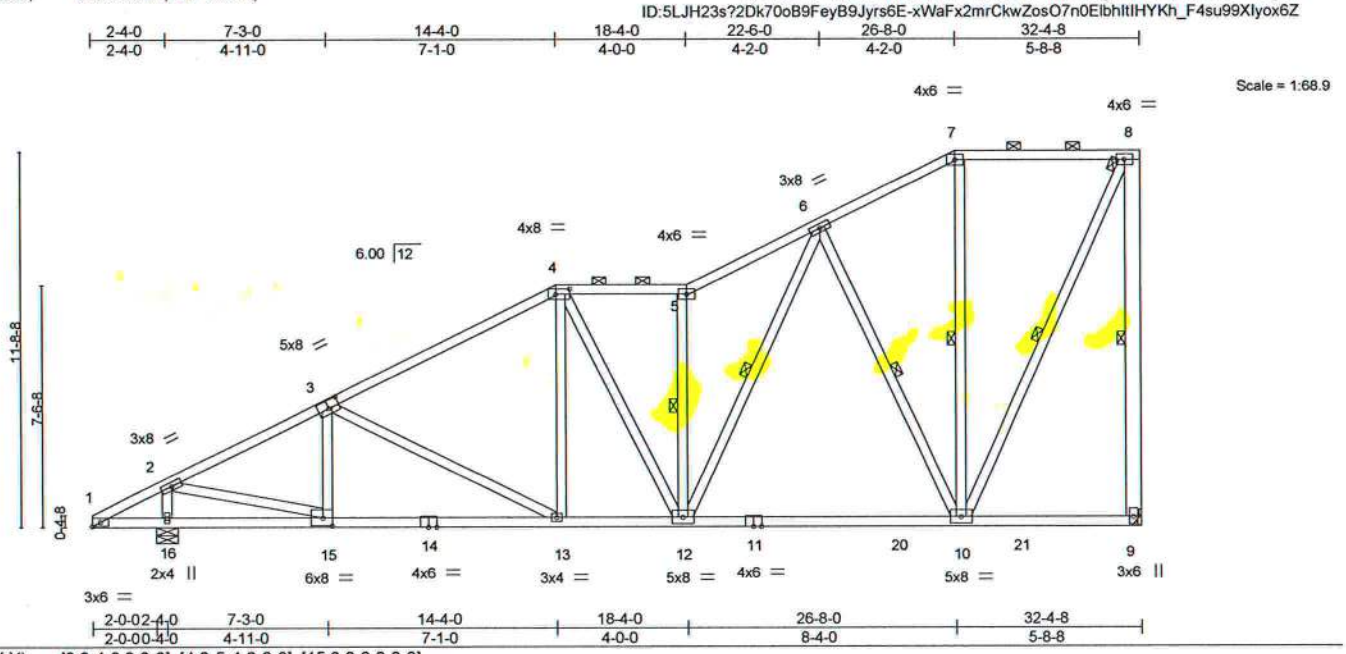

Plate Offsets (X,Y)-- [3:0-4-0,0-3-0], [4:0-5-4,0-2-0], [15:0-3-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.96	Vert(LL)	-0.28	10-12	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.82	Vert(CT)	-0.45	10-12	>792	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.76	Horz(CT)	0.04	9	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 248 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
9-11: 2x4 SP M 31
WEBS 2x4 SP No.3 *Except*
8-9: 2x6 SP No.2, 8-10: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (4-3-8 max.): 4-5, 7-8.
BOT CHORD Rigid ceiling directly applied or 5-6-9 oc bracing.
WEBS 1 Row at midpt 8-9, 5-12, 6-12, 6-10, 7-10, 8-10

REACTIONS. (size) 9=Mechanical, 16=0-8-0
Max Horz 16=615(LC 12)
Max Uplift 9=-591(LC 12), 16=-559(LC 12)
Max Grav 9=1746(LC 2), 16=1869(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2127/665, 3-4=-1948/622, 4-5=-1723/585, 5-6=-2002/730, 6-7=-837/291, 7-8=-685/309, 8-9=-1635/775
BOT CHORD 15-16=-541/162, 13-15=-1139/1848, 12-13=-893/1639, 10-12=-589/1170
WEBS 3-15=-330/213, 3-13=-278/278, 4-13=-101/294, 5-12=-1098/480, 6-12=-607/1369, 6-10=-1155/663, 8-10=-715/1592, 2-15=-664/2007, 2-16=-1707/712

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=591, 16=559.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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Date:

August 11,2020

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
2432497	T24	Piggyback Base	1	1	T20989014
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:35:39 2020 Page 1
ID:5LJH23s?2Dk70oB9FeyB9Jyrs6E-Pi8d8OnTz22QQ0zJLkl_8uq6_hvTQPgD5Yui3kyox6Y

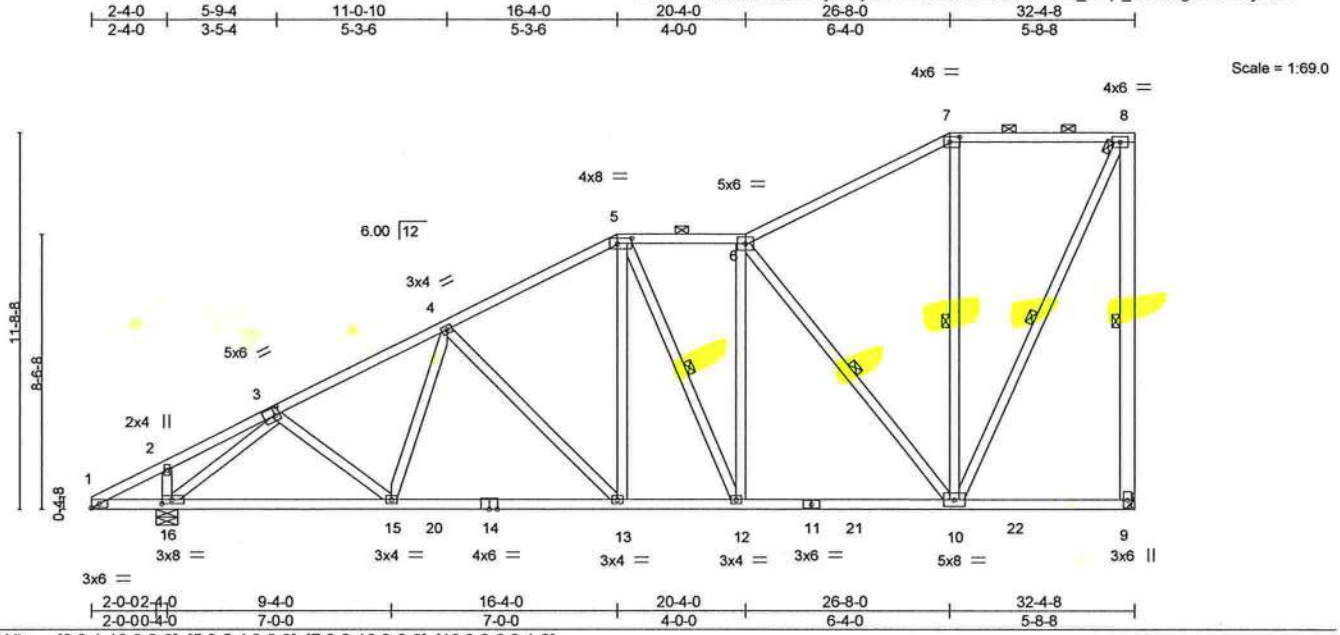

Plate Offsets (X,Y)-- [3:0-1-12,0-3-0], [5:0-5-4,0-2-0], [7:0-3-12,0-2-0], [16:0-3-8,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.71	Vert(LL)	-0.15	13-15	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.76	Vert(CT)	-0.28	13-15	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.88	Horz(CT)	0.07	9	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 247 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
8-9: 2x6 SP No.2, 8-10: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-8-3 oc purlins, except end verticals, and 2-0-0 oc purlins (4-8-3 max.): 5-6, 7-8.
BOT CHORD Rigid ceiling directly applied or 5-8-2 oc bracing.
WEBS 1 Row at midpt 8-9, 5-12, 6-10, 7-10, 8-10

REACTIONS. (size) 9=Mechanical, 16=0-8-0
Max Horz 16=615(LC 12)
Max Uplift 9=-591(LC 12), 16=-559(LC 12)
Max Grav 9=1739(LC 2), 16=1898(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-2164/683, 4-5=-1781/604, 5-6=-1486/530, 6-7=-853/259, 7-8=-675/314, 8-9=-1598/777
BOT CHORD 15-16=-1085/1612, 13-15=-1042/1837, 12-13=-794/1516, 10-12=-717/1480
WEBS 3-15=0/348, 4-13=-494/363, 5-13=-231/549, 6-12=-130/337, 6-10=-1302/648, 8-10=-732/1565, 3-16=-2225/801

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=591, 16=559.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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Job	Truss	Truss Type	Qty	Ply	
2432497	T25	Roof Special Girder	1	1	T20989015
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:35:40 2020 Page 1
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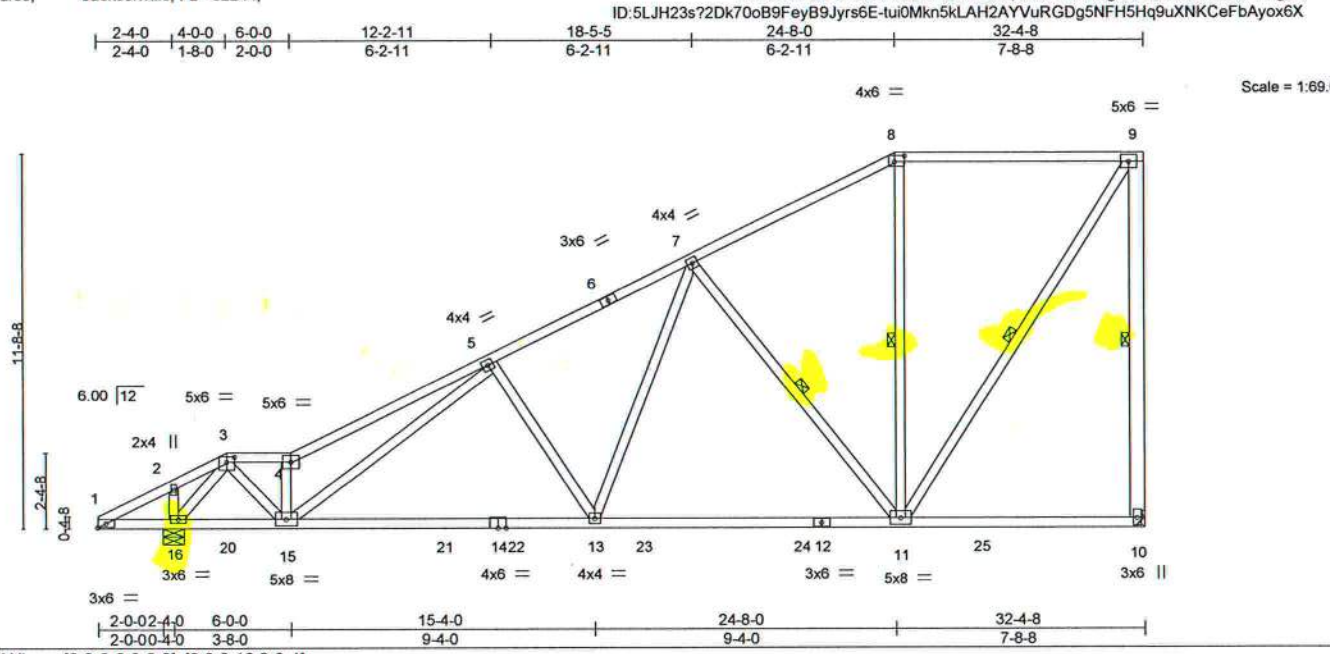

Plate Offsets (X,Y)-- [3:0-3-0,0-2-0], [8:0-3-12,0-2-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.87	Vert(LL)	-0.28	11-13	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.62	Vert(CT)	-0.44	13-15	>809	180		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.71	Horz(CT)	0.05	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 222 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2 *Except*
8-9: 2x4 SP M 31
BOT CHORD 2x4 SP M 31
WEBS 2x4 SP No.3 *Except*
9-10: 2x6 SP No.2, 9-11: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 9-10, 7-11, 8-11, 9-11

REACTIONS. (size) 10=Mechanical, 16=0-8-0
Max Horz 16=615(LC 34)
Max Uplift 10=-572(LC 8), 16=-843(LC 8)
Max Grav 10=1774(LC 2), 16=1818(LC 40)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-78/424, 2-3=-53/345, 3-4=-2431/893, 4-5=-2914/1144, 5-7=-2202/648, 7-8=-1079/299, 8-9=-873/332, 9-10=-1583/588
BOT CHORD 1-16=-311/94, 15-16=-989/1123, 13-15=-1072/2148, 11-13=-701/1535
WEBS 2-16=-293/151, 3-16=-1992/576, 3-15=-615/1962, 4-15=-1518/703, 5-15=-485/500, 5-13=-537/464, 7-13=-353/1013, 7-11=-1117/603, 9-11=-607/1571

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; cantilever left exposed ; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, 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) 10=572, 16=843.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 76 lb down and 607 lb up at 4-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-80, 3-4=-80, 4-8=-80, 8-9=-80, 10-17=-20
Concentrated Loads (lb)
Vert: 20=348(B)

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August 11,2020

Job	Truss	Truss Type	Qty	Ply	
2432497	T26	Piggyback Base	1	1	T20989016
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:35:41 2020 Page 1
ID:5LJH23s?2Dk70oB9FeyB9Jyrs6E-M5GOZ4ojVfI8fJ6hS9oSDJwT7VaAuNLWYrNp8dyox6W

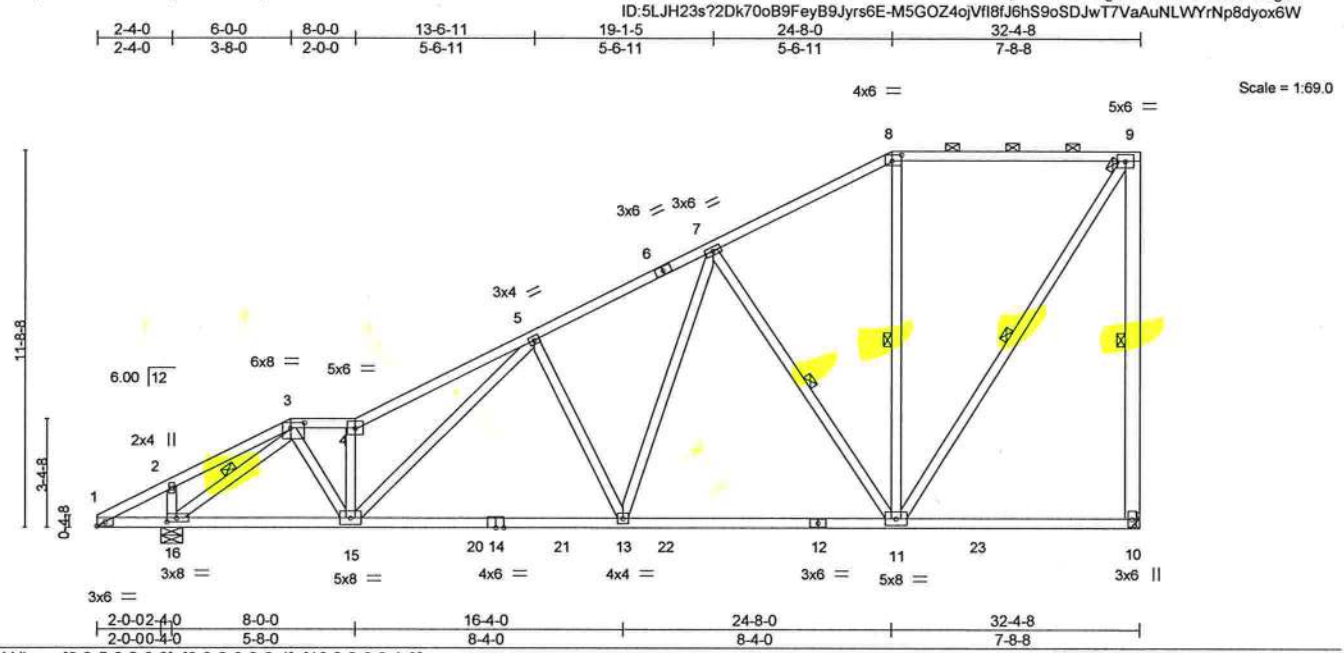

Plate Offsets (X,Y)-- [3:0-5-0,0-2-0], [8:0-3-8,0-2-4], [16:0-3-8,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.67	Vert(LL)	-0.21	13-15	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.81	Vert(CT)	-0.40	13-15	>894	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.61	Horz(CT)	0.06	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 229 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2 *Except* 8-9: 2x4 SP M 31
BOT CHORD 2x4 SP M 31 *Except* 1-14: 2x4 SP No.2
WEBS 2x4 SP No.3 *Except* 9-10: 2x6 SP No.2, 9-11: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-8-6 oc purlins, except end verticals, and 2-0-0 oc purlins (3-8-5 max.): 3-4, 8-9.
BOT CHORD Rigid ceiling directly applied or 5-8-12 oc bracing.
WEBS 1 Row at midpt 9-10, 3-16, 7-11, 8-11, 9-11

REACTIONS. (size) 10=Mechanical, 16=0-8-0
Max Horz 16=615(LC 12)
Max Uplift 10=-555(LC 12), 16=-549(LC 12)
Max Grav 10=1802(LC 2), 16=1941(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-2486/760, 4-5=-2930/973, 5-7=-2128/697, 7-8=-1080/374, 8-9=-886/402, 9-10=-1604/784
BOT CHORD 15-16=-1057/1705, 13-15=-1062/2085, 11-13=-745/1499
WEBS 2-16=-323/273, 3-16=-2312/699, 3-15=-389/1515, 4-15=-1521/619, 5-15=-327/678, 5-13=-633/462, 7-13=-387/1058, 7-11=-1110/617, 9-11=-726/1594

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) 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) 10=555, 16=549.
7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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August 11,2020

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Job	Truss	Truss Type	Qty	Ply	
2432497	T27	Piggyback Base	1	1	T20989017
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:35:43 2020 Page 1
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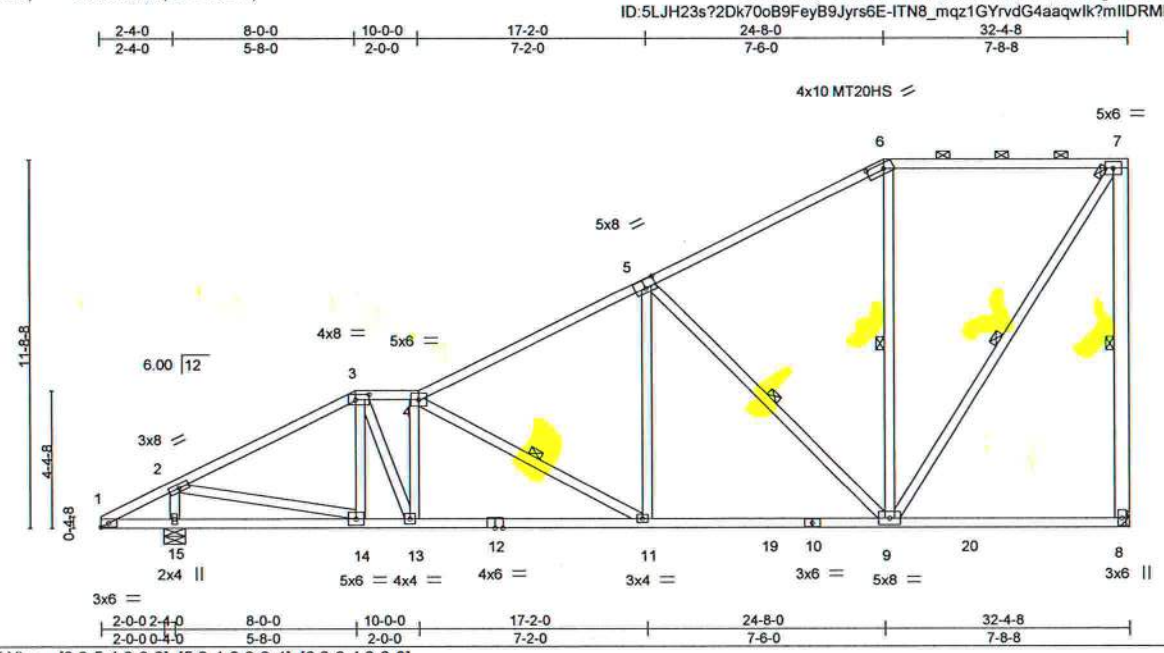

Scale = 1:70.2

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

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	0.88	Vert(LL)	-0.19	8-9	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.95	Vert(CT)	-0.28	8-9	>999	180	MT20HS	187/143
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.72	Horz(CT)	0.05	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 228 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2 *Except* 6-7: 2x4 SP M 31
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except* 7-8: 2x6 SP No.2, 7-9: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals, and 2-0-0 oc purlins (3-9-0 max.): 3-4, 6-7.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 7-8, 4-11, 5-9, 6-9, 7-9

REACTIONS. (size) 8=Mechanical, 15=0-8-0
Max Horz 15=615(LC 12)
Max Uplift 8=-555(LC 12), 15=-549(LC 12)
Max Grav 8=1753(LC 2), 15=1882(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2149/654, 3-4=-2258/761, 4-5=-2000/606, 5-6=-1088/357, 6-7=-854/405, 7-8=-1548/785
BOT CHORD 14-15=-610/272, 13-14=-1086/1820, 11-13=-1210/2287, 9-11=-881/1715
WEBS 2-15=-1684/767, 2-14=-528/1835, 3-14=-292/126, 3-13=-275/1058, 4-13=-809/285, 4-11=-666/380, 5-11=-144/687, 5-9=-1207/664, 7-9=-734/1534

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
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) 8=555, 15=549.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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August 11,2020

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
2432497	T28	Piggyback Base	1	1	T20989018
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:35:44 2020 Page 1
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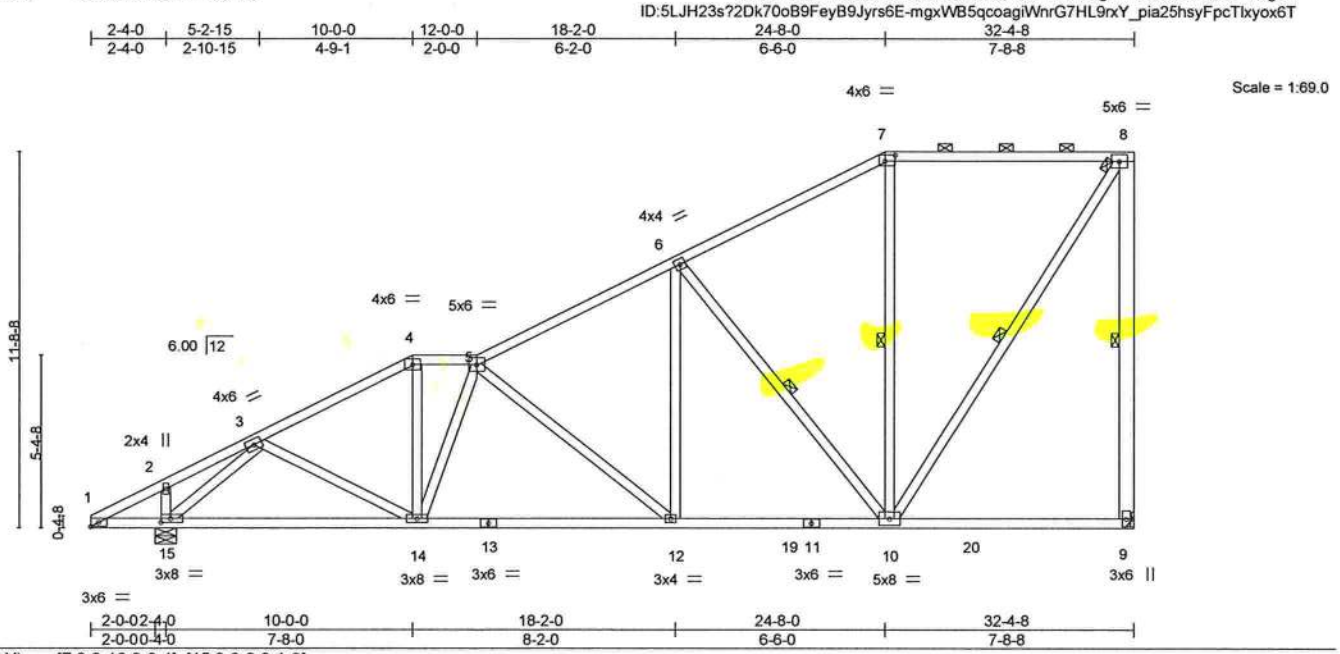

Plate Offsets (X,Y)-- [7:0-3-12,0-2-4], [15:0-3-8,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.64	Vert(LL)	-0.20	9-10	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.86	Vert(CT)	-0.30	9-10	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.82	Horz(CT)	0.06	9	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 231 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2 *Except* 7-8: 2x4 SP M 31
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except* 8-9: 2x6 SP No.2, 8-10: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-5-13 oc purlins, except end verticals, and 2-0-0 oc purlins (4-2-8 max.): 4-5, 7-8.
BOT CHORD Rigid ceiling directly applied or 5-7-3 oc bracing.
WEBS 1 Row at midpt 8-9, 6-10, 7-10, 8-10

REACTIONS. (size) 9=Mechanical, 15=0-8-0
Max Horz 15=615(LC 12)
Max Uplift 9=-555(LC 12), 15=-549(LC 12)
Max Grav 9=1751(LC 2), 15=1875(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-2145/673, 4-5=-1865/666, 5-6=-1837/575, 6-7=-1060/367, 7-8=-848/403, 8-9=-1541/785
BOT CHORD 14-15=-1065/1481, 12-14=-1112/2087, 10-12=-805/1572
WEBS 3-14=-7/418, 4-14=-142/697, 5-14=-649/195, 5-12=-667/397, 6-12=-212/747, 6-10=-1145/633, 8-10=-730/1521, 3-15=-2107/826

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=555, 15=549.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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MiTek USA, Inc. FL Cert 6634
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Date:

August 11,2020

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	T20989019
2432497	T29	Piggyback Base	1	1	Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:35:45 2020 Page 1
ID:5LJH23s?2Dk70oB9FeyB9Jyrs6E-EsVvPRrEZuoZ8xQTh_sON94BC6zeq7z6TTL0HOyox6S

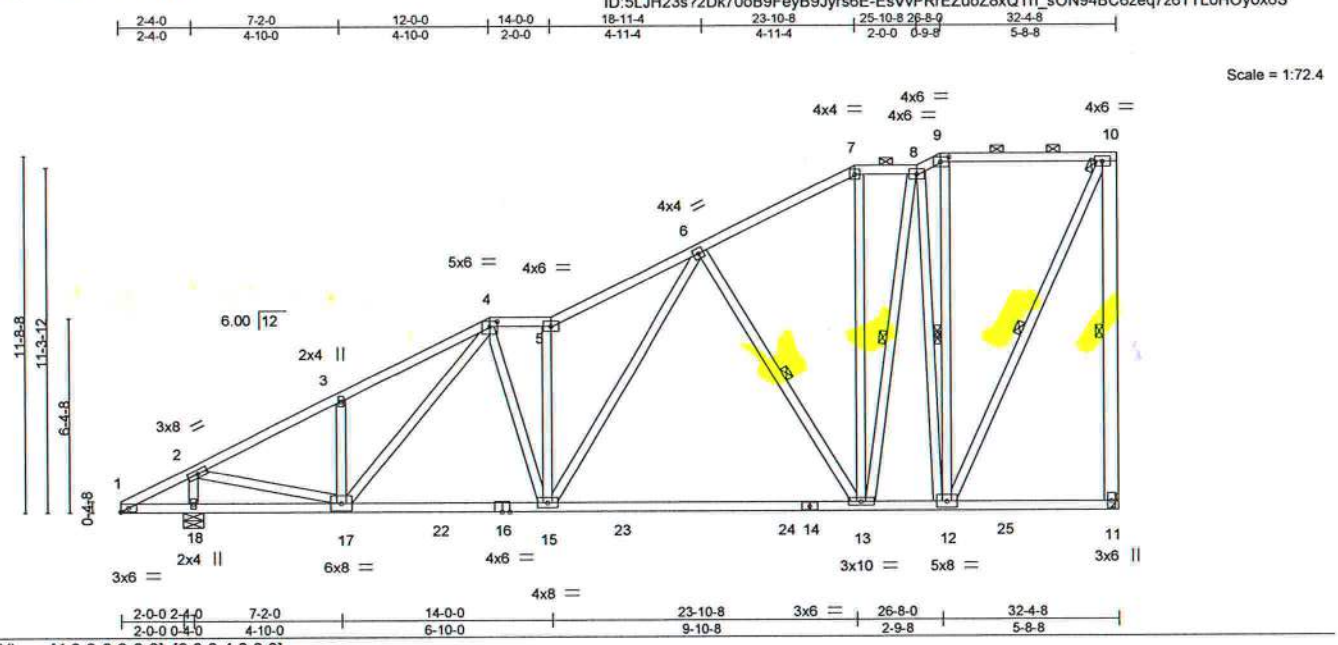

Plate Offsets (X,Y)-- [4:0-3-0,0-2-0], [9:0-3-4,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.54	Vert(LL)	-0.47	13-15	>762	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.65	Vert(CT)	-0.72	13-15	>494	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.89	Horz(CT)	0.04	11	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 280 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP M 31 *Except*
1-16: 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
10-11: 2x6 SP No.2, 10-12: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-5-9 oc purlins, except end verticals, and 2-0-0 oc purlins (4-0-1 max.): 4-5, 7-8, 9-10.
BOT CHORD Rigid ceiling directly applied or 5-11-13 oc bracing.
WEBS 1 Row at midpt 10-11, 6-13, 8-13, 8-12, 9-12, 10-12

REACTIONS. (size) 11=Mechanical, 18=0-8-0
Max Horz 18=606(LC 12)
Max Uplift 11=-538(LC 12), 18=-548(LC 12)
Max Grav 11=1762(LC 2), 18=1940(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2186/652, 3-4=-2186/818, 4-5=-2061/674, 5-6=-2377/842, 6-7=-1167/404, 7-8=-963/417, 8-9=-660/282, 9-10=-674/312, 10-11=-1594/782
BOT CHORD 17-18=-553/201, 15-17=-982/1858, 13-15=-759/1491, 12-13=-360/780
WEBS 2-18=-1750/733, 2-17=-613/1992, 3-17=-409/346, 4-15=-38/696, 5-15=-1214/508, 6-15=-485/1180, 6-13=-1022/613, 8-13=-488/1106, 8-12=-1236/536, 10-12=-726/1556

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 11=538, 18=548.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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Job	Truss	Truss Type	Qty	Ply	
2432497	T30	Piggyback Base	1	1	T20989020
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:35:46 2020 Page 1
ID:5LJH23s?2Dk70oB9FeyB9Jyrs6E-i23HcnssKBwQm5?fFiNdwMdKlWFRZbBFi75apqyox6R

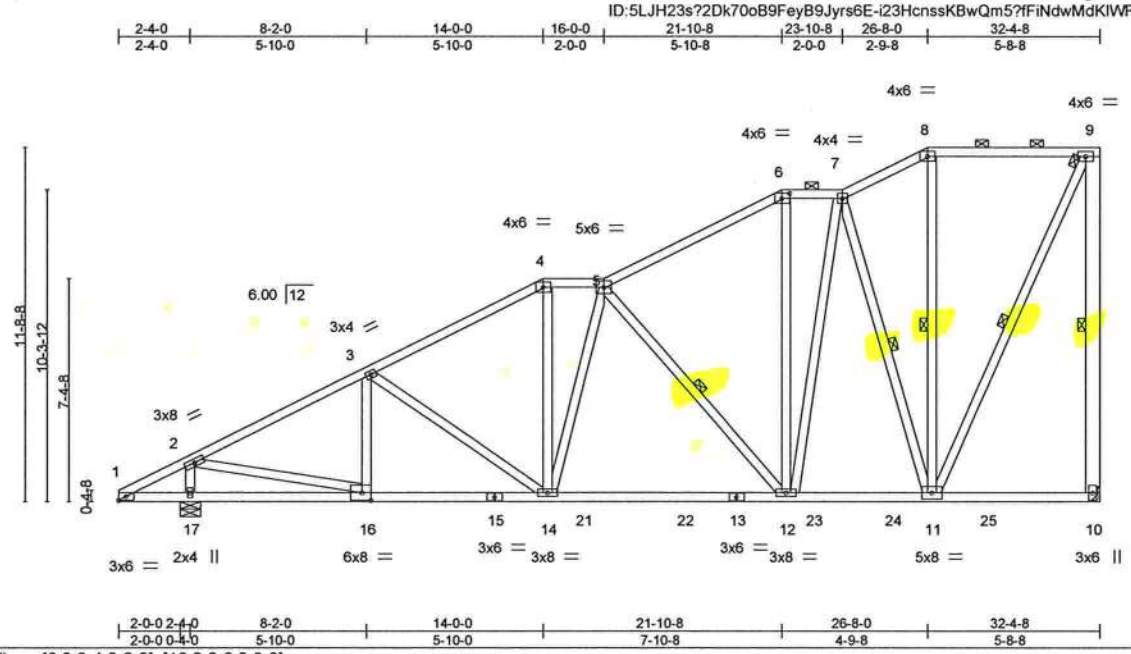

Plate Offsets (X,Y)-- [6:0-3-4,0-2-0], [16:0-3-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.68	Vert(LL)	-0.23	12-14	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.93	Vert(CT)	-0.39	12-14	>914	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.83	Horz(CT)	0.05	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 265 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
9-10: 2x6 SP No.2, 9-11: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-5-15 oc purlins, except end verticals, and 2-0-0 oc purlins (4-3-10 max.): 4-5, 6-7, 8-9.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 9-10, 5-12, 7-11, 8-11, 9-11

REACTIONS. (size) 10=Mechanical, 17=0-8-0
Max Horz 17=615(LC 12)
Max Uplift 10=-591(LC 12), 17=-559(LC 12)
Max Grav 10=1759(LC 2), 17=1897(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2198/676, 3-4=-2016/640, 4-5=-1723/642, 5-6=-1391/448, 6-7=-1166/478, 7-8=-772/297, 8-9=-673/310, 9-10=-1601/780
BOT CHORD 16-17=-585/242, 14-16=-1122/1887, 12-14=-903/1763, 11-12=-486/1022
WEBS 2-17=-1684/751, 2-16=-590/1921, 3-16=-261/161, 3-14=-265/272, 4-14=-118/614, 5-12=-927/525, 6-12=0/279, 7-12=-420/793, 7-11=-1240/619, 9-11=-720/1556

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 10=591, 17=559.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
2432497	T31	Piggyback Base	1	1	T20989021
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:35:47 2020 Page 1
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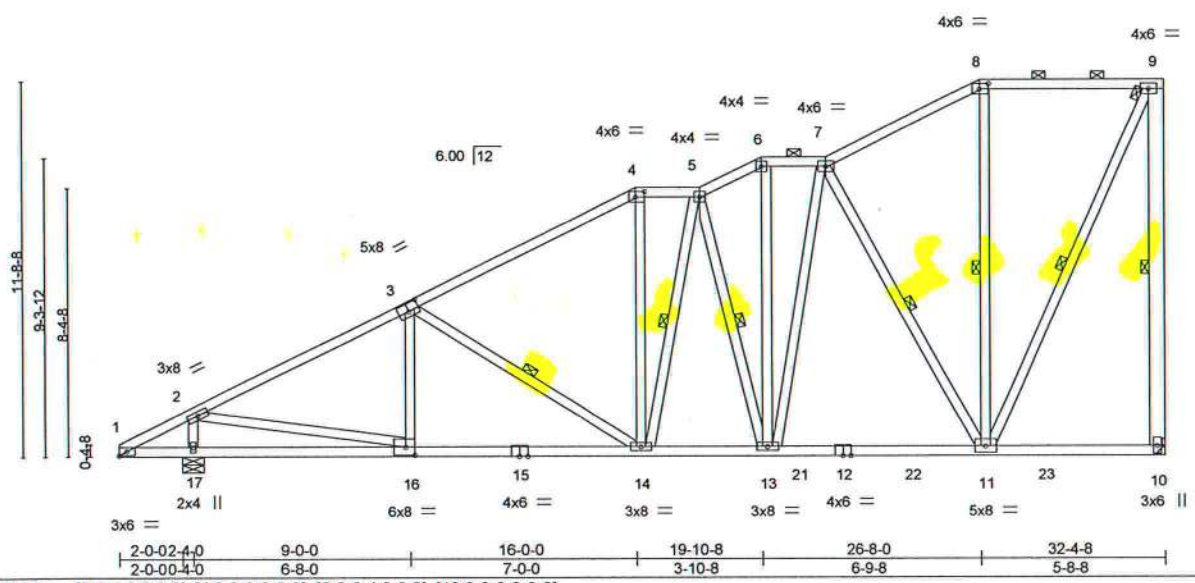

Plate Offsets (X,Y)-- [3:0-4-0,0-3-0], [4:0-3-8,0-2-0], [8:0-3-4,0-2-0], [16:0-3-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.78	Vert(LL)	-0.14	11-13	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.74	Vert(CT)	-0.26	14-16	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.72	Horz(CT)	0.05	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 267 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
9-10: 2x6 SP No.2, 9-11: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals, and 2-0-0 oc purlins (4-5-14 max.): 4-5, 6-7, 8-9.
BOT CHORD Rigid ceiling directly applied or 5-7-0 oc bracing.
WEBS 1 Row at midpt 9-10, 3-14, 5-14, 5-13, 7-11, 8-11, 9-11

REACTIONS. (size) 10=Mechanical, 17=0-8-0
Max Horz 17=615(LC 12)
Max Uplift 10=-591(LC 12), 17=-559(LC 12)
Max Grav 10=1727(LC 2), 17=1859(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2206/693, 3-4=-1805/595, 4-5=-1510/616, 5-6=-1488/549, 6-7=-1332/525, 7-8=-818/276, 8-9=-668/311, 9-10=-1590/777
BOT CHORD 16-17=-601/267, 14-16=-1125/1886, 13-14=-774/1502, 11-13=-617/1237
WEBS 2-17=-1654/762, 2-16=-574/1887, 3-14=-475/365, 4-14=0/377, 5-13=-734/450, 6-13=-160/504, 7-13=-253/474, 7-11=-1183/634, 9-11=-722/1548

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 10=591, 17=559.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
2432497	T32	Hip Girder	1	1	T20989022
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:35:50 2020 Page 1
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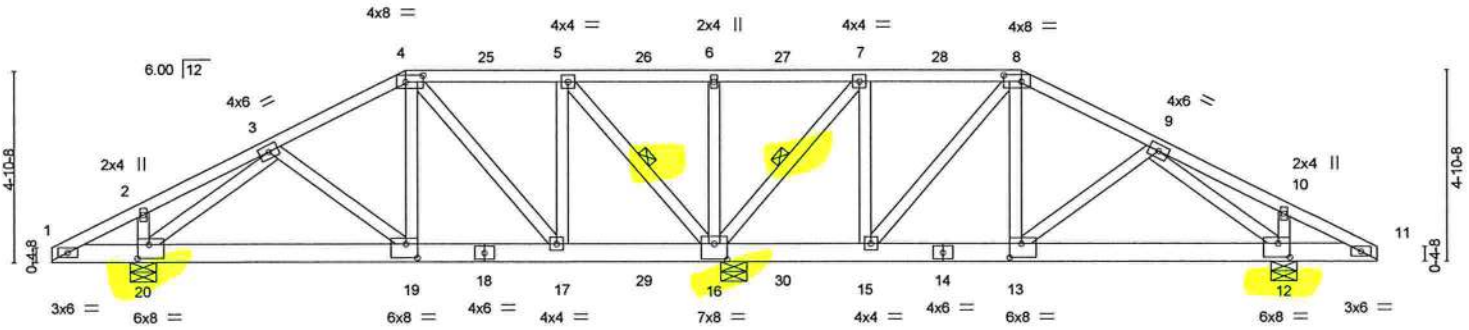
2-4-0	5-8-0	9-0-0	12-11-14	16-10-0	20-8-2	24-8-0	28-0-0	31-4-0	33-8-0
2-4-0	3-4-0	3-4-0	3-11-14	3-10-2	3-10-2	3-11-14	3-4-0	3-4-0	2-4-0

Scale = 1:56.5



2-0-0	2-4-0	9-0-0	12-11-14	16-10-0	17-8-0	20-8-2	24-8-0	31-4-0	31-8-0	33-8-0
2-0-0	0-4-0	6-8-0	3-11-14	3-10-2	0-10-0	3-0-2	3-11-14	6-8-0	0-4-0	2-0-0

Plate Offsets (X,Y)– [4:0-5-4,0-2-0], [8:0-5-4,0-2-0], [12:0-3-8,0-4-4], [13:0-3-8,0-4-4], [16:0-4-0,0-4-12], [19:0-3-8,0-4-4], [20:0-3-8,0-4-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.41	Vert(LL)	0.05	13-15	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.35	Vert(CT)	-0.05	13-15	>999	180		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.52	Horz(CT)	0.03	12	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 222 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-2-3 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 5-16, 7-16

REACTIONS. (size) 20=0-8-0, 16=0-8-0, 12=0-8-0
Max Horz 20=-106(LC 9)
Max Uplift 20=-835(LC 8), 16=-2837(LC 5), 12=-909(LC 9)
Max Grav 20=1269(LC 21), 16=3491(LC 2), 12=1315(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-1185/1075, 4-5=-537/531, 5-6=-418/559, 6-7=-418/559, 7-8=-572/606, 8-9=-1262/1229
BOT CHORD 19-20=-807/1012, 17-19=-888/1159, 16-17=-404/630, 15-16=-486/599, 13-15=-1009/1148, 12-13=-837/987
WEBS 3-20=-1233/991, 3-19=-295/293, 4-19=-827/900, 4-17=-826/747, 5-17=-815/971, 5-16=-1661/1427, 6-16=-381/258, 7-16=-1711/1533, 7-15=-896/966, 8-15=-828/818, 8-13=-844/852, 9-13=-331/316, 9-12=-1300/1096

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; cantilever left and right exposed ; porch right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, 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) 20=835, 16=2837, 12=909.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 72 lb down and 82 lb up at 9-0-0, 72 lb down and 82 lb up at 11-0-12, 72 lb down and 82 lb up at 13-0-12, 72 lb down and 82 lb up at 15-0-12, 72 lb down and 70 lb up at 16-10-0, 72 lb down and 82 lb up at 18-7-4, 72 lb down and 82 lb up at 20-7-4, and 72 lb down and 82 lb up at 22-7-4, and 204 lb down and 259 lb up at 24-8-0 on top chord, and 712 lb down and 891 lb up at 9-0-0, 166 lb down and 163 lb up at 11-0-12, 166 lb down and 163 lb up at 13-0-12, 166 lb down and 163 lb up at 15-0-12, 166 lb down and 163 lb up at 16-10-0, 166 lb down and 163 lb up at 18-7-4, 166 lb down and 163 lb up at 20-7-4, and 166 lb down and 163 lb up at 22-7-4, and 758 lb down and 891 lb up at 24-7-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

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MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
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August 11,2020

Continued on page 2

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

LOAD CASE(S) Standard

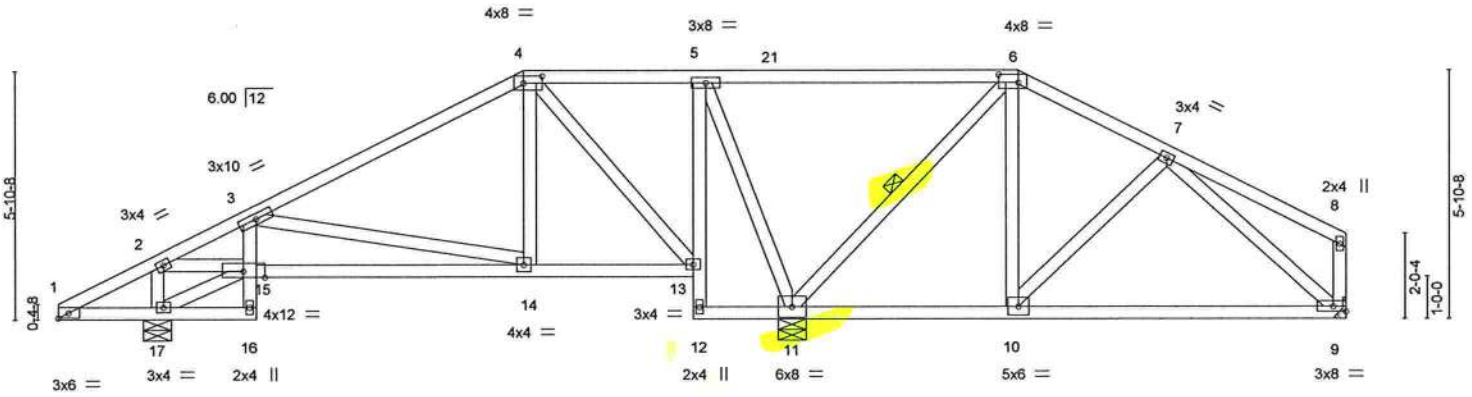
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-4=-80, 4-8=-80, 8-11=-80, 1-11=-20
   Concentrated Loads (lb)
   Vert: 4=-36(B) 8=-131(B) 18=-153(B) 19=-431(B) 17=-153(B) 5=-36(B) 16=-153(B) 6=-36(B) 7=-36(B) 15=-153(B) 13=-431(B) 14=-153(B) 25=-36(B) 26=-36(B) 27=-36(B) 28=-36(B) 29=-153(B) 30=-153(B)

Job	Truss	Truss Type	Qty	Ply	T20989023
2432497	T33	Hip	1	1	Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:35:51 2020 Page 1
ID:5LJH23s?2Dk70oB9FeyB9Jyrs6E-30sAgVw?8kYjsstc2FzodQK6pX1jEtm_sPoLU2yox6M

2-4-0	4-8-0	11-0-0	15-0-0	22-8-0	26-2-0	30-4-8
2-4-0	2-4-0	6-4-0	4-0-0	7-8-0	3-6-0	4-2-8

Scale = 1:52.4



2-0-0	2-4-0	4-8-0	11-0-0	15-0-0	17-4-0	17-8-0	22-8-0	30-4-8
2-0-0	0-4-0	2-4-0	6-4-0	4-0-0	2-4-0	0-4-0	5-0-0	7-8-8

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

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	0.91	Vert(LL)	0.18	9-10	>867	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.60	Vert(CT)	-0.19	9-10	>818	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.75	Horz(CT)	0.04	9	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 181 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
3-16,5-12: 2x4 SP No.3
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 6-0-0 oc bracing.
WEBS 1 Row at midpt 6-11

REACTIONS. (size) 17=0-8-0, 11=0-8-0, 9=Mechanical
Max Horz 17=182(LC 12)
Max Uplift 17=-313(LC 12), 11=-724(LC 9), 9=-272(LC 8)
Max Grav 17=891(LC 25), 11=1798(LC 2), 9=509(LC 26)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-940/465, 3-4=-492/220, 5-6=-124/472, 6-7=-270/456
BOT CHORD 14-15=-643/1082, 13-14=-121/372, 5-13=-171/522, 9-10=-328/304
WEBS 2-17=-640/343, 15-17=-267/173, 2-15=-452/978, 3-14=-747/534, 4-14=-53/349, 4-13=-639/263, 5-11=-1074/463, 6-11=-908/711, 6-10=-465/368, 7-9=-335/323

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ; porch right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 17=313, 11=724, 9=272.

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

August 11,2020

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
2432497	T34	Hip	1	1	T20989024
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:35:52 2020 Page 1
ID:5LJH23s?2Dk70oB9FeyB9Jyrs6E-XCQYtqxdv1gaU0SpbzU19dtNxwLczHA843Yu1Uyox6L

2-4-0	4-8-0	8-10-0	13-0-0	15-0-0	20-8-0	25-4-8	30-4-8
2-4-0	2-4-0	4-2-0	4-2-0	2-0-0	5-8-0	4-8-8	5-0-0

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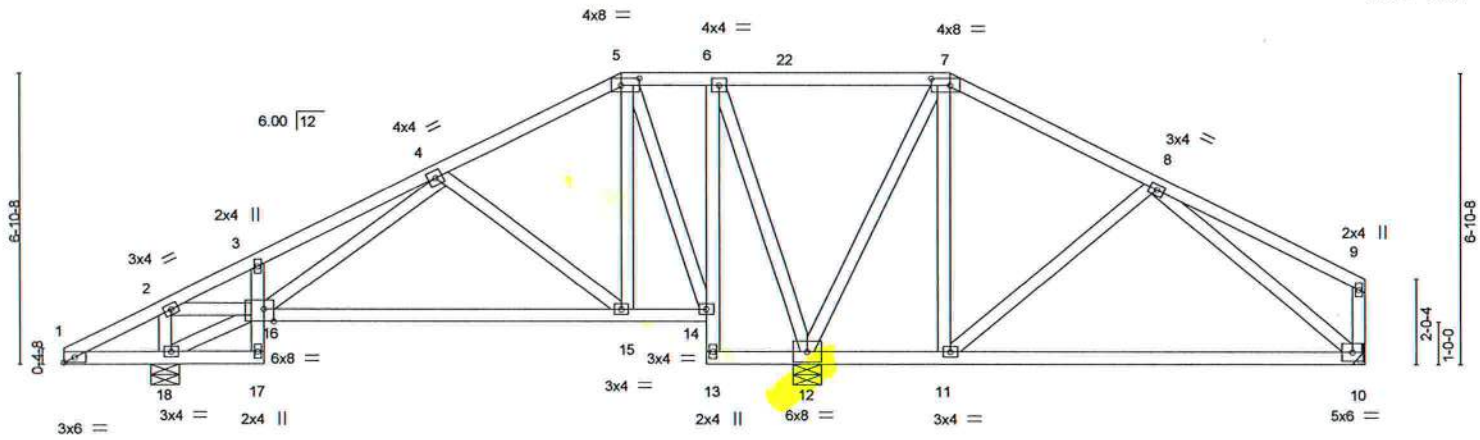

2-0-0	2-4-0	4-8-0	13-0-0	15-0-0	17-4-0	17-8-0	20-8-0	30-4-8
2-0-0	0-4-0	2-4-0	8-4-0	2-0-0	2-4-0	0-4-0	3-0-0	9-8-8

Plate Offsets (X,Y)-- [5:0-5-4,0-2-0], [7:0-5-4,0-2-0], [16:0-2-12,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	0.57	Vert(LL)	0.43	10-11	>362	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.75	Vert(CT)	-0.45	10-11	>343	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.93	Horz(CT)	0.03	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 196 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
3-17,6-13: 2x4 SP No.3
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-9-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (size) 18=0-8-0, 12=0-8-0, 10=Mechanical
Max Horz 18=205(LC 12)
Max Uplift 18=-307(LC 12), 12=-614(LC 9), 10=-287(LC 8)
Max Grav 18=921(LC 25), 12=1739(LC 2), 10=549(LC 26)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-884/384, 3-4=-1003/497, 4-5=-305/229, 6-7=-54/396, 7-8=-210/394
BOT CHORD 3-16=-256/203, 15-16=-284/563, 6-14=-202/589, 10-11=-334/339
WEBS 2-18=-727/401, 2-16=-393/901, 4-16=-240/443, 4-15=-459/344, 5-15=-145/587, 5-14=-693/218, 6-12=-971/431, 7-12=-902/780, 7-11=-639/511, 8-11=-337/275, 8-10=-343/261

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ; porch right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 18=307, 12=614, 10=287.

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August 11,2020

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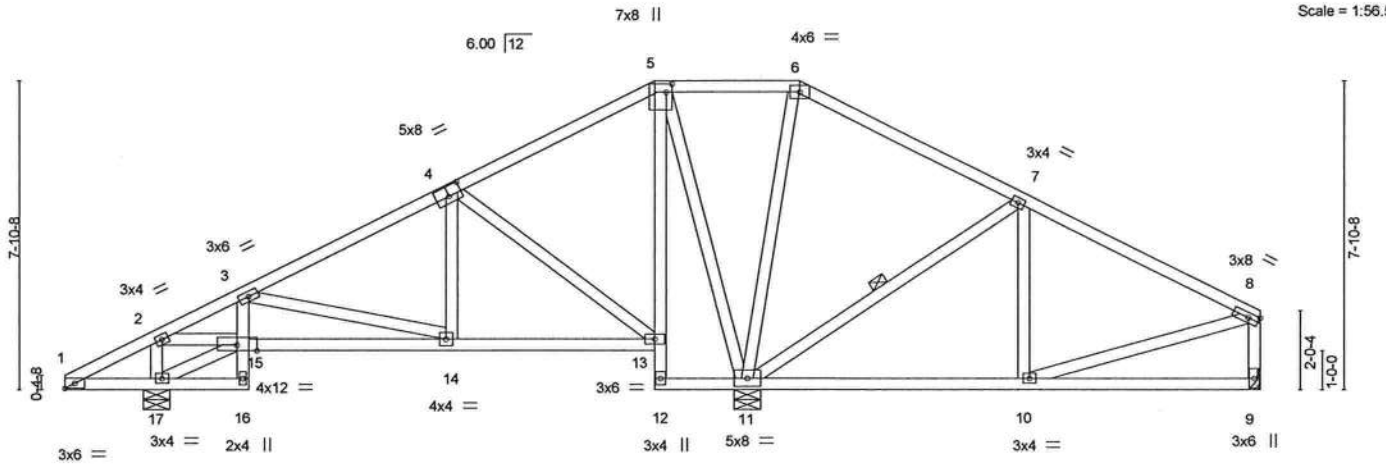
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
2432497	T35	Hip	1	1	T20989025
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:35:53 2020 Page 1
ID:5LJH23s?2Dk70oB9FeyB9Jyrs6E-?O_w4AxFgLoR591?9g?GirQXTKn?iiOHJjHSZwyox6K

2-4-0	4-8-0	9-10-0	15-0-0	18-8-0	24-4-8	30-4-8
2-4-0	2-4-0	5-2-0	5-2-0	3-8-0	5-8-8	6-0-0

Scale = 1:56.5



2-0-0	2-4-0	4-8-0	9-10-0	15-0-0	17-8-0	24-4-8	30-4-8
2-0-0	0-4-0	2-4-0	5-2-0	5-2-0	2-8-0	6-8-8	6-0-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.58	Vert(LL)	0.09	10-11	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.36	Vert(CT)	-0.08	10-11	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.99	Horz(CT)	0.02	9	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 191 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 7-11

REACTIONS. (size) 9=Mechanical, 17=0-8-0, 11=0-8-0
Max Horz 17=229(LC 12)
Max Uplift 9=-298(LC 8), 17=-301(LC 12), 11=-524(LC 9)
Max Grav 9=497(LC 24), 17=862(LC 25), 11=1867(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-856/463, 3-4=-562/303, 4-5=-27/344, 5-6=-13/481, 6-7=-28/497, 7-8=-459/535, 8-9=-446/460
BOT CHORD 14-15=-606/912, 13-14=-249/475, 5-13=-198/482, 10-11=-392/330
WEBS 2-17=-635/378, 15-17=-290/147, 2-15=-414/866, 3-14=-458/368, 4-14=-33/295, 4-13=-715/389, 5-11=-844/337, 6-11=-484/173, 7-11=-664/703, 8-10=-332/275

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ; porch right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) 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) 9=298, 17=301, 11=524.

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August 11,2020

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	T20989026
2432497	T36	Roof Special	1	1	Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:35:54 2020 Page 1
ID:5LJH23s?2Dk70oB9FeyB9Jyrs6E-TbYIlWytRfxljJcBjNWVE2yk_k36RCqQYN1?5Myox6J

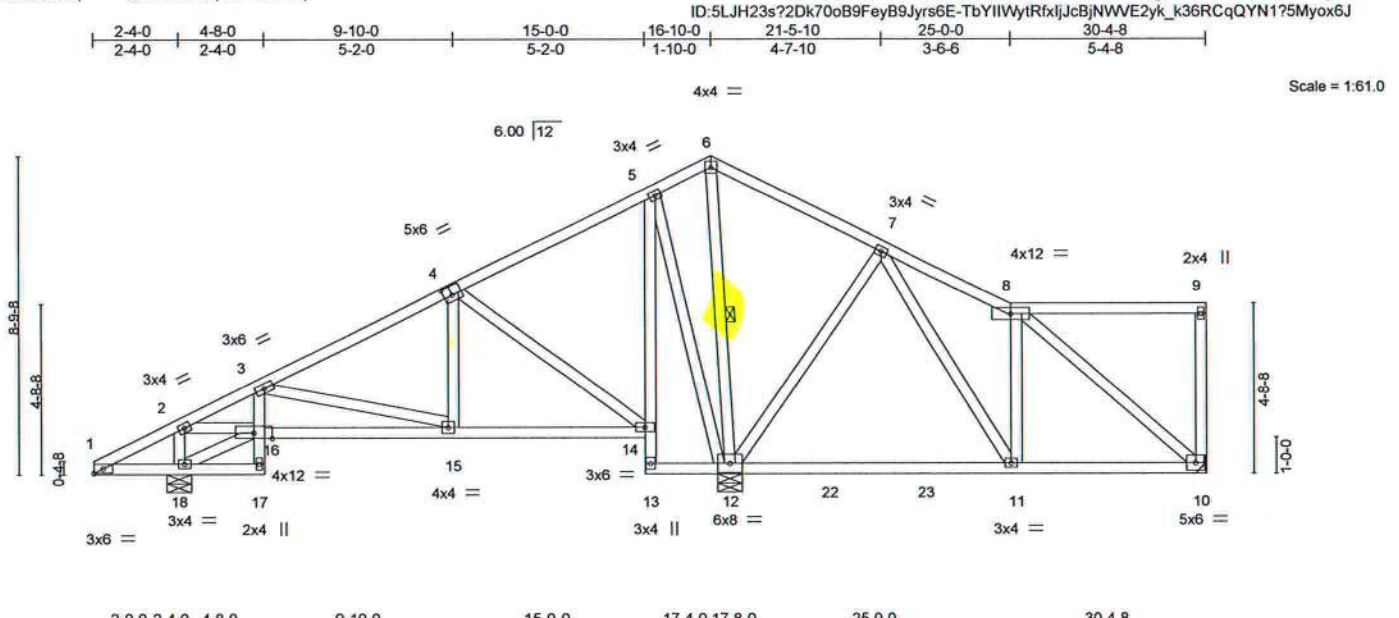

Plate Offsets (X,Y)-- [4:0-2-12,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.47	Vert(LL)	-0.16	11-12	>960	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.62	Vert(CT)	-0.23	11-12	>677	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.79	Horz(CT)	0.02	12	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 205 lb	FT = 20%

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

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

REACTIONS. (size) 10=Mechanical, 18=0-8-0, 12=0-8-0
Max Horz 18=331(LC 12)
Max Uplift 10=-274(LC 9), 18=-249(LC 12), 12=-621(LC 12)
Max Grav 10=515(LC 26), 18=853(LC 25), 12=1944(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-845/462, 3-4=-555/167, 4-5=-73/311, 5-6=-45/415, 6-7=-89/481, 7-8=-444/457
BOT CHORD 15-16=-711/884, 14-15=-275/447, 5-14=-209/432, 10-11=-356/349
WEBS 2-18=-632/373, 16-18=-339/64, 2-16=-417/857, 3-15=-455/450, 4-15=-52/294, 4-14=-696/406, 5-12=-653/415, 6-12=-493/135, 7-12=-609/568, 7-11=-531/589, 8-11=-273/171, 8-10=-433/446

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ; porch right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 10=274, 18=249, 12=621.

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August 11,2020

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Job	Truss	Truss Type	Qty	Ply	T20989027
2432497	T37	Roof Special	1	1	Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:35:56 2020 Page 1
ID:5LJH23s?2Dk70oB9FeyB9Jyrs6E-Pzg3jC_7zGB?ydmaqoZzKT2_1YjYv5sj?hW6AFyox6H

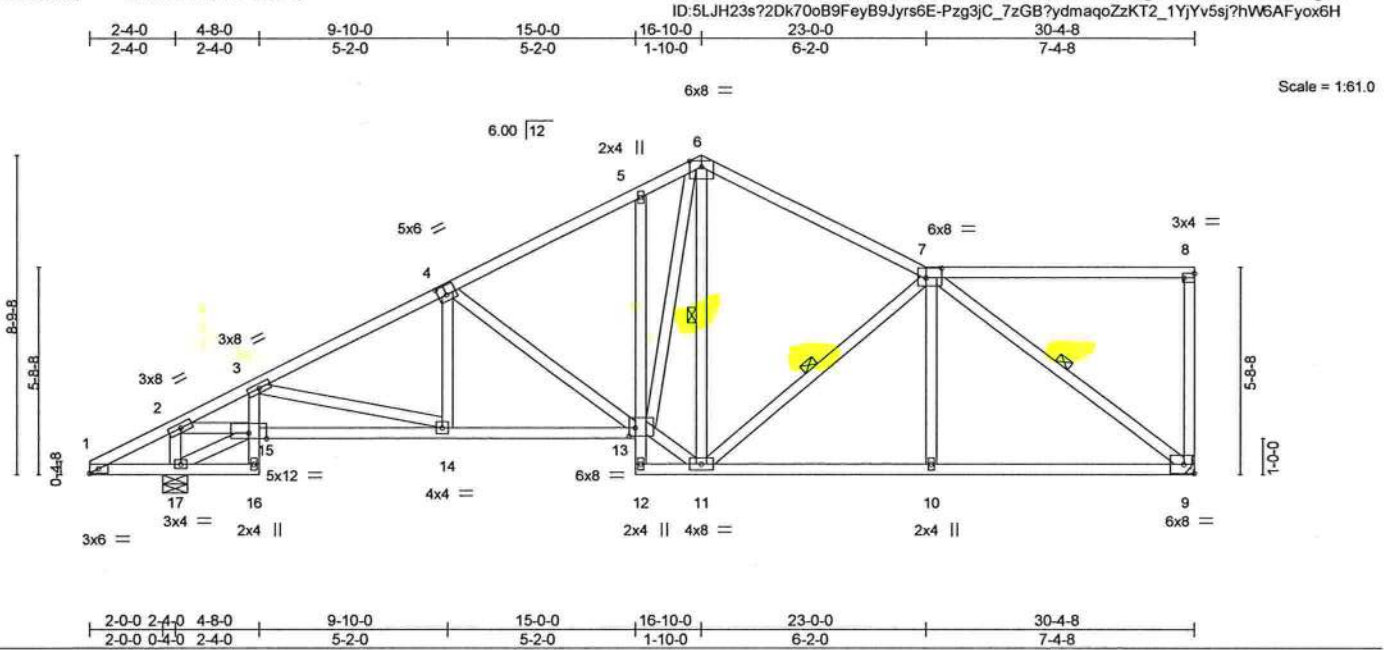

Plate Offsets (X,Y)-- [4:0-2-12,0-3-0], [7:0-5-4,0-3-4], [8:Edge,0-1-8], [13:0-2-0,0-2-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.88	Vert(LL)	0.11	13-14	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.69	Vert(CT)	-0.23	13-14	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.88	Horz(CT)	0.15	9	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 204 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
3-16,5-12: 2x4 SP No.3
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 5-1-1 oc bracing.
WEBS 1 Row at midpt 6-11, 7-11, 7-9

REACTIONS. (size) 9=Mechanical, 17=0-8-0
Max Horz 17=362(LC 12)
Max Uplift 9=-463(LC 13), 17=-530(LC 12)
Max Grav 9=1454(LC 2), 17=1720(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2483/1176, 3-4=-2356/1023, 4-5=-1795/850, 5-6=-1695/930, 6-7=-1454/706, 8-9=-279/165
BOT CHORD 14-15=-1359/2365, 13-14=-1021/2049, 5-13=-263/200, 10-11=-660/1492, 9-10=-659/1499
WEBS 2-17=-1453/784, 15-17=-390/33, 2-15=-1136/2316, 3-14=-372/444, 4-14=-43/256, 4-13=-661/404, 11-13=-546/1355, 6-13=-705/1340, 6-11=-300/201, 7-11=-411/205, 7-10=0/294, 7-9=-1828/804

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=463, 17=530.

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August 11,2020

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
2432497	T38	Roof Special	1	1	T20989028
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:35:57 2020 Page 1
ID:5LJH23s?2Dk70oB9FeyB9Jyrs6E-uADRwY?lkaJsanLmOW4CshaGZx1zeXltELFfihyox6G

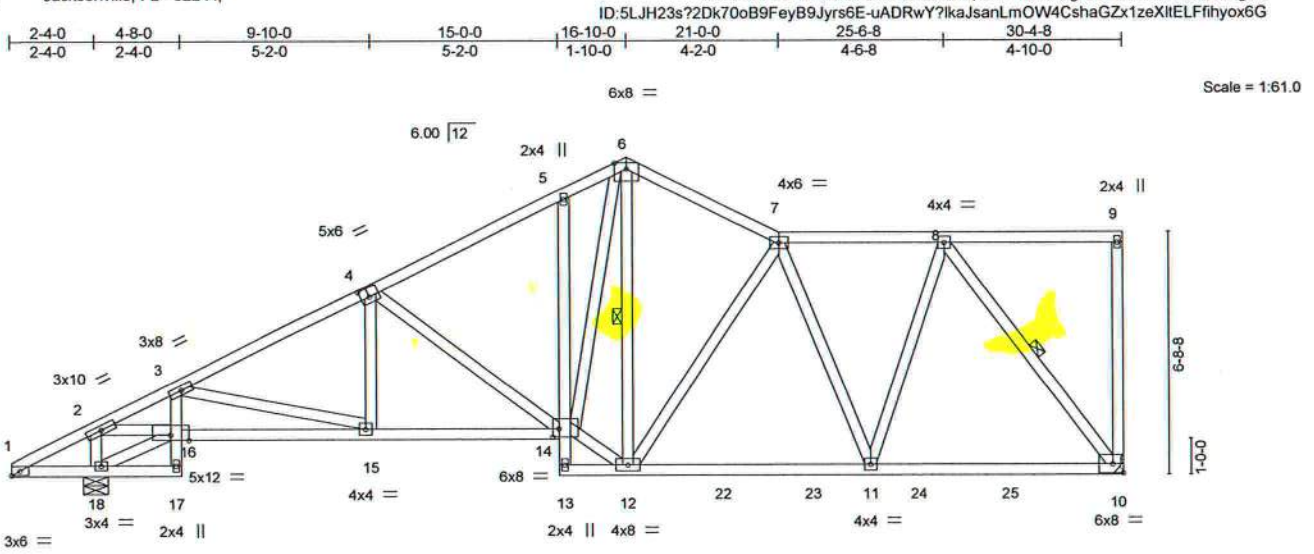

Plate Offsets (X,Y)-- [4:0-2-12,0-3-0], [14:0-2-0,0-2-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.45	Vert(LL)	-0.12	10-11	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.80	Vert(CT)	-0.23	14-15	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.91	Horz(CT)	0.14	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 215 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-5-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 4-11-3 oc bracing.
WEBS 1 Row at midpt 6-12, 8-10

REACTIONS. (size) 10=Mechanical, 18=0-8-0
Max Horz 18=392(LC 12)
Max Uplift 10=-475(LC 13), 18=-523(LC 12)
Max Grav 10=1566(LC 2), 18=1756(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2554/1205, 3-4=-2432/1008, 4-5=-1873/827, 5-6=-1789/925, 6-7=-1484/694, 7-8=-1272/511
BOT CHORD 15-16=-1445/2416, 14-15=-1067/2116, 5-14=-284/225, 11-12=-649/1492, 10-11=-411/969
WEBS 2-18=-1488/799, 16-18=-404/0, 2-16=-1162/2377, 3-15=-374/466, 4-15=-48/256, 4-14=-656/412, 12-14=-574/1435, 6-14=-768/1387, 6-12=-264/200, 7-12=-433/198, 7-11=-642/385, 8-11=-325/983, 8-10=-1617/691

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 10=475, 18=523.

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Job	Truss	Truss Type	Qty	Ply	
2432497	T39	Roof Special	1	1	T20989029
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:35:58 2020 Page 1
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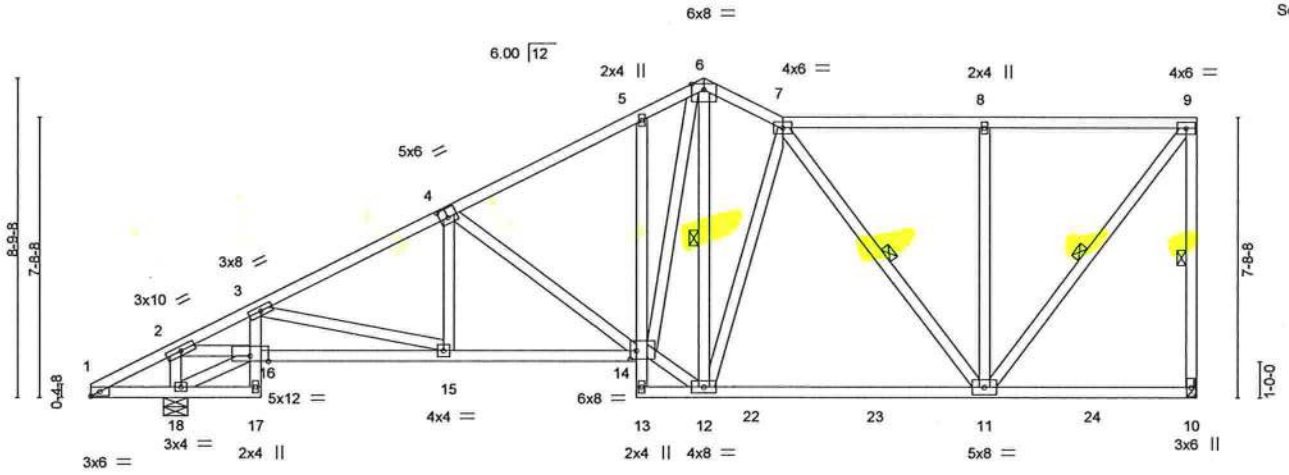

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2-0-0	0-4-0	2-4-0	5-2-0	5-2-0	1-10-0	7-8-8	5-10-0

Plate Offsets (X,Y)-- [4:0-2-12,0-3-0], [14:0-2-0,0-2-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.56	Vert(LL)	-0.18	11-12	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.86	Vert(CT)	-0.32	11-12	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.91	Horz(CT)	0.13	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 222 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-5-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 4-9-8 oc bracing.
WEBS 1 Row at midpt 9-10, 6-12, 7-11, 9-11

REACTIONS. (size) 10=Mechanical, 18=0-8-0
Max Horz 18=423(LC 12)
Max Uplift 10=-488(LC 13), 18=-516(LC 12)
Max Grav 10=1596(LC 2), 18=1762(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2565/1229, 3-4=-2444/987, 4-5=-1887/799, 5-6=-1816/907, 6-7=-1479/688, 7-8=-1009/421, 8-9=-1009/421, 9-10=-1465/653
BOT CHORD 15-16=-1527/2427, 14-15=-1108/2127, 5-14=-299/251, 11-12=-633/1398
WEBS 2-18=-1494/811, 16-18=-416/0, 2-16=-1184/2388, 3-15=-389/487, 4-15=-52/255, 4-14=-652/420, 12-14=-598/1488, 6-14=-818/1361, 7-12=-422/223, 7-11=-651/354, 8-11=-527/310, 9-11=-685/1638

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 10=488, 18=516.

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Date:

August 11,2020

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
2432497	T40	Half Hip	1	1	T20989030
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:35:59 2020 Page 1
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2-4-0	4-8-0	9-10-0	15-0-0	16-8-0	23-6-4	30-4-8
2-4-0	2-4-0	5-2-0	5-2-0	1-8-0	6-10-4	6-10-4

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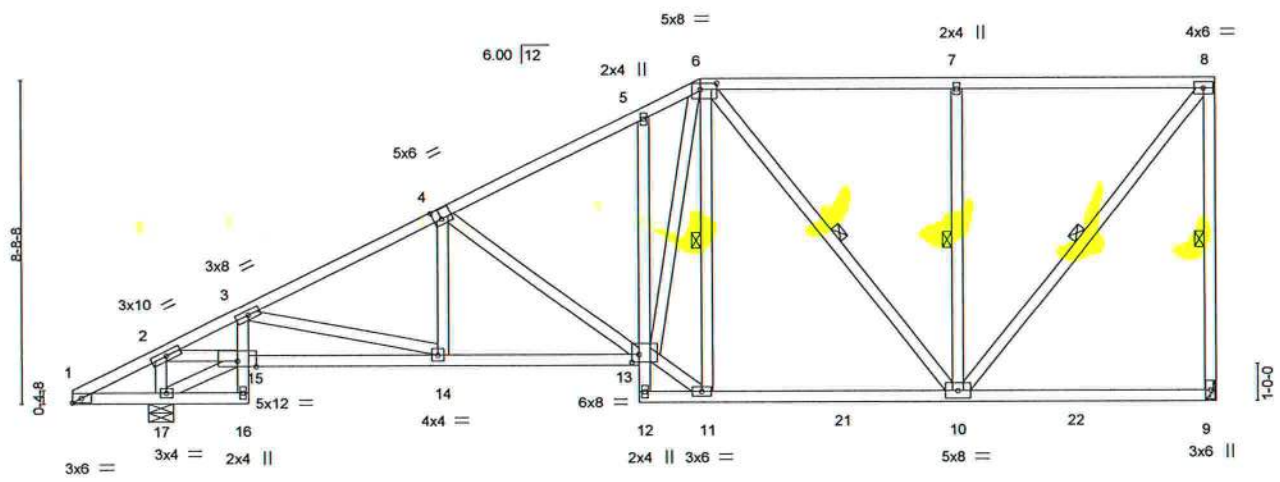

2-0-0	2-4-0	4-8-0	9-10-0	15-0-0	16-8-0	23-6-4	30-4-8
2-0-0	0-4-0	2-4-0	5-2-0	5-2-0	1-8-0	6-10-4	6-10-4

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.85	Vert(LL)	-0.13	9-10	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.74	Vert(CT)	-0.24	13-14	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.92	Horz(CT)	0.14	9	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 218 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-5-5 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 4-8-2 oc bracing.
WEBS 1 Row at midpt 8-9, 6-11, 6-10, 7-10, 8-10

REACTIONS. (size) 9=Mechanical, 17=0-8-0
Max Horz 17=452(LC 12)
Max Uplift 9=-518(LC 9), 17=-564(LC 12)
Max Grav 9=1619(LC 2), 17=1772(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2584/1245, 3-4=-2466/959, 4-5=-1907/762, 5-6=-1808/852, 6-7=-1013/436, 7-8=-1013/436, 8-9=-1444/669
BOT CHORD 14-15=-1601/2444, 13-14=-1144/2147, 10-11=-615/1323
WEBS 2-17=-1503/820, 15-17=-425/0, 2-15=-1199/2404, 3-14=-402/501, 4-14=-53/256, 4-13=-655/432, 11-13=-646/1503, 6-13=-800/1368, 6-11=-538/360, 6-10=-504/293, 7-10=-632/373, 8-10=-692/1600

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=518, 17=564.

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August 11,2020

Job	Truss	Truss Type	Qty	Ply	
2432497	T41	Half Hip	1	1	T20989031
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:36:01 2020 Page 1
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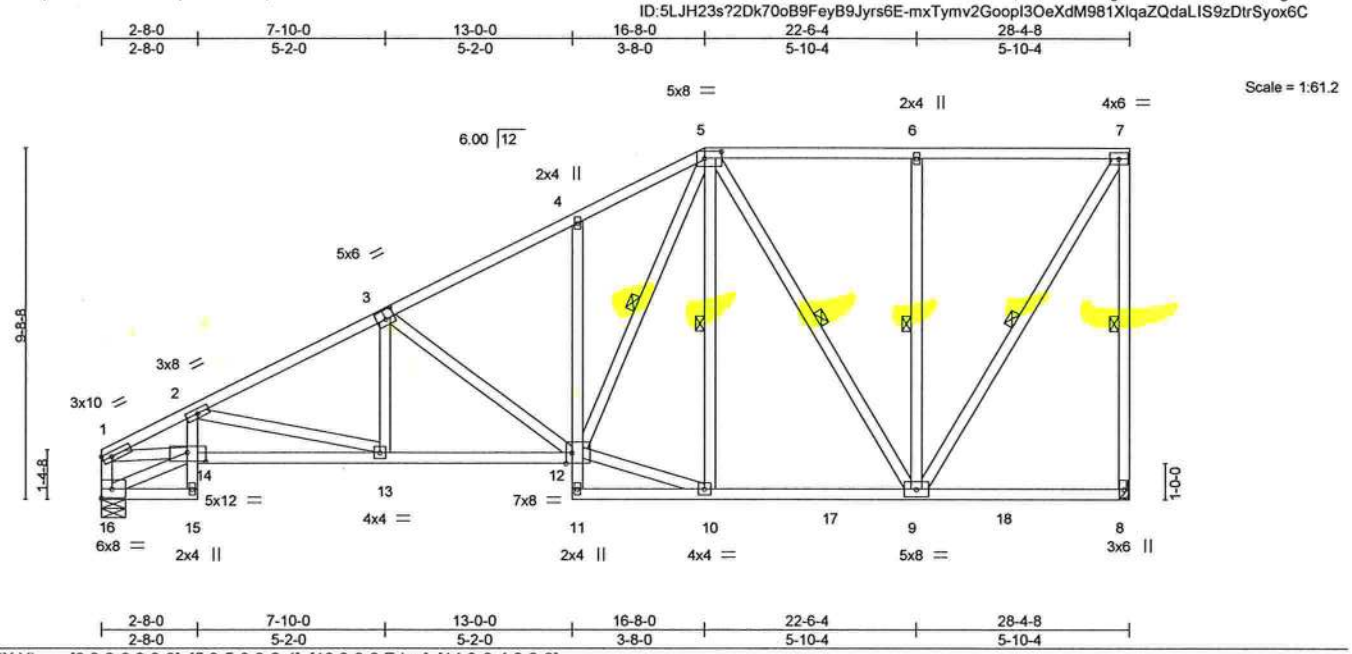

Plate Offsets (X,Y)-- [3:0-3-0,0-3-0], [5:0-5-8,0-2-4], [12:0-2-0,Edge], [14:0-6-4,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.96	Vert(LL)	0.12	12-13	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.76	Vert(CT)	-0.24	12-13	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.93	Horz(CT)	0.13	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 222 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
2-15,4-11: 2x4 SP No.3
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-4-3 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 4-4-8 oc bracing.
WEBS 1 Row at midpt 7-8, 5-12, 5-10, 5-9, 6-9, 7-9

REACTIONS. (size) 8=Mechanical, 16=0-8-0
Max Horz 16=449(LC 12)
Max Uplift 8=-523(LC 12), 16=-461(LC 12)
Max Grav 8=1633(LC 2), 16=1515(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2846/1417, 2-3=-2556/1009, 3-4=-1936/772, 4-5=-1892/909, 5-6=-810/363, 6-7=-810/363, 7-8=-1483/702, 1-16=-1432/726
BOT CHORD 13-14=-1819/2672, 12-13=-1247/2223, 4-12=-346/295, 9-10=-562/1159
WEBS 2-13=-496/591, 3-13=-95/311, 3-12=-710/475, 10-12=-538/1157, 5-12=-753/1240, 5-9=-661/376, 6-9=-544/318, 7-9=-694/1544, 1-14=-1217/2450, 14-16=-444/105

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=523, 16=461.

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August 11,2020

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
2432497	T42	Half Hip	1	1	T20989032
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:36:01 2020 Page 1
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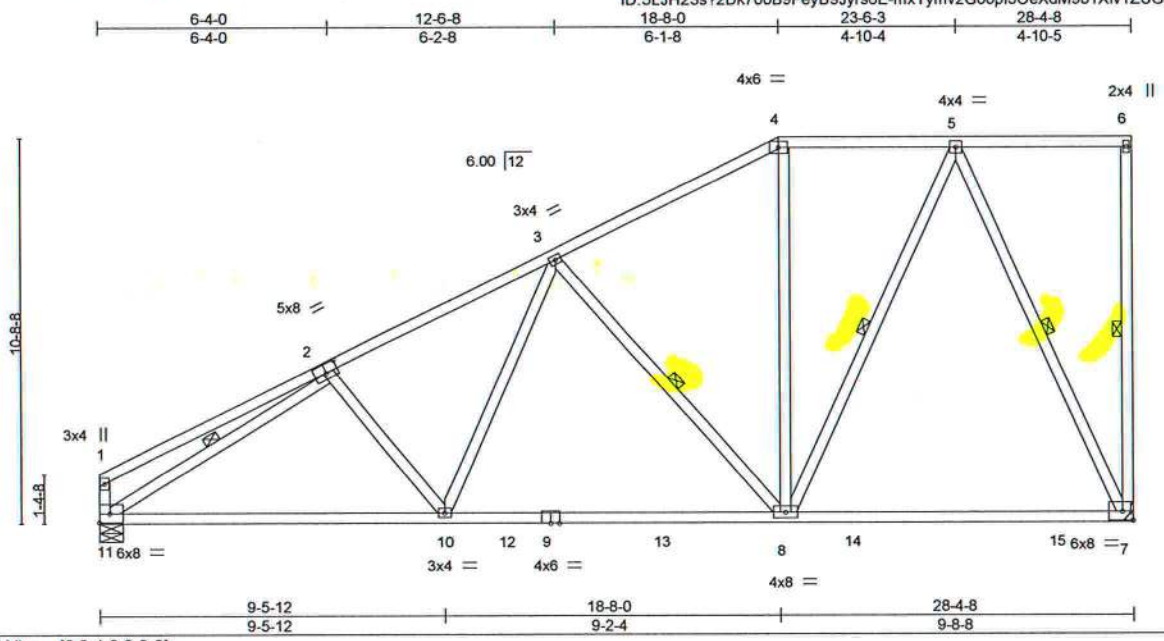


Plate Offsets (X,Y)-- [2:0-4-0,0-3-0]

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	0.61	Vert(LL)	-0.44	7-8	>766	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.59	Vert(CT)	-0.62	7-8	>544	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.98	Horz(CT)	0.05	7	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 196 lb	FT = 20%

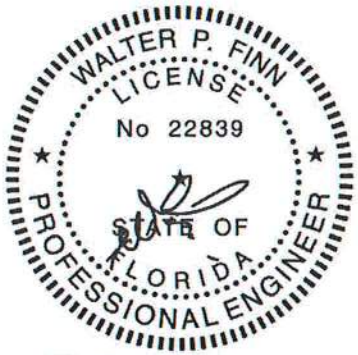
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP M 31
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-7-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-5-6 oc bracing.
WEBS 1 Row at midpt 6-7, 3-8, 5-8, 5-7, 2-11

REACTIONS. (size) 7=Mechanical, 11=0-8-0
Max Horz 11=503(LC 12)
Max Uplift 7=-561(LC 12), 11=-446(LC 12)
Max Grav 7=1675(LC 2), 11=1571(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-346/189, 2-3=-2079/712, 3-4=-1277/453, 4-5=-1047/475, 1-11=-324/218
BOT CHORD 10-11=-1099/1852, 8-10=-829/1563, 7-8=-295/615
WEBS 2-10=-221/313, 3-10=-200/552, 3-8=-804/543, 5-8=-438/1049, 5-7=-1460/713, 2-11=-1967/567

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=561, 11=446.



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August 11,2020

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Job	Truss	Truss Type	Qty	Ply	T20989033
2432497	T43	Hip Girder	1	1	Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:36:03 2020 Page 1
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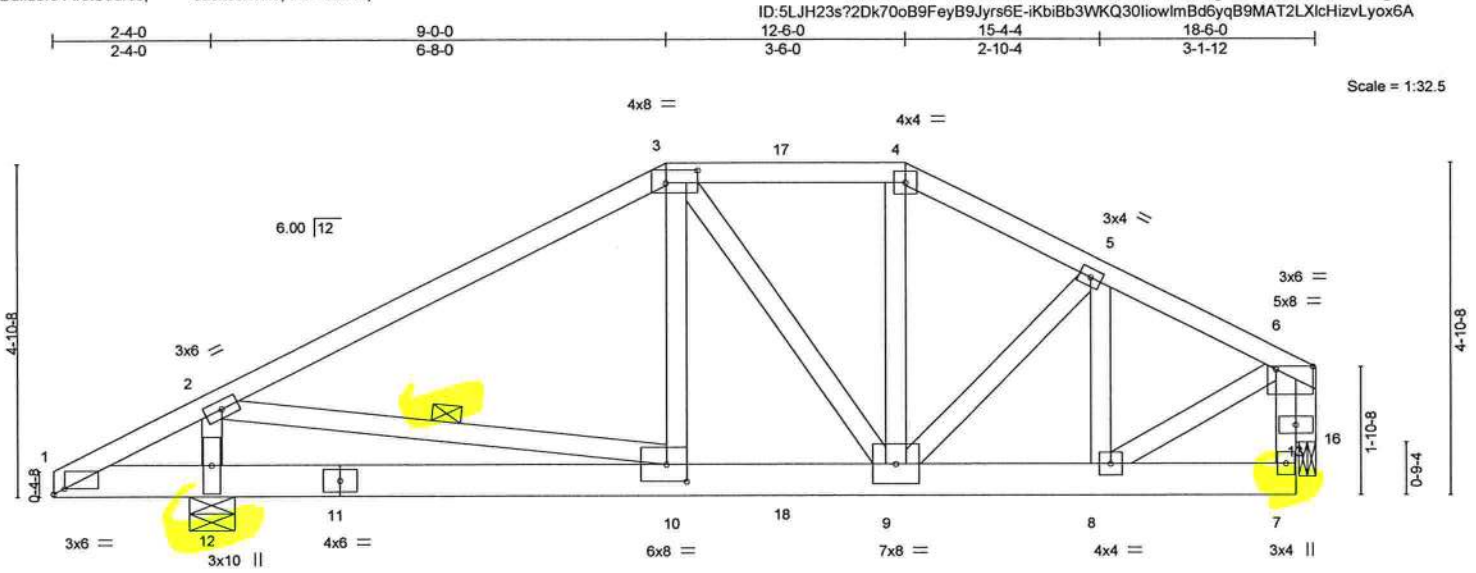

Plate Offsets (X,Y)– [1:0-1-15,Edge], [3:0-5-8,0-2-4], [6:0-6-8,0-0-8], [10:0-3-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.82	Vert(LL)	0.07	9-10	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.41	Vert(CT)	0.08	9-10	>999	180		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.57	Horz(CT)	-0.01	16	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 121 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 2-9-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-5-14 oc bracing.
WEBS 1 Row at midpt 2-10

REACTIONS. (size) 12=0-8-0, 16=0-3-0
Max Horz 12=159(LC 8)
Max Uplift 12=-1368(LC 8), 16=-1402(LC 4)
Max Grav 12=1750(LC 43), 16=1564(LC 42)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2099/1951, 3-4=-1745/1798, 4-5=-1984/1972, 5-6=-1638/1500
BOT CHORD 10-12=-316/231, 9-10=-1759/1855, 8-9=-1314/1436, 7-8=-313/352
WEBS 2-12=-1582/1398, 2-10=-1541/1683, 3-10=-674/646, 4-9=-590/636, 5-9=-638/512, 5-8=-702/711, 6-8=-1190/1280, 6-16=-1623/1455

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; cantilever left exposed ; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
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) Bearing at joint(s) 16 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 12=1368, 16=1402.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 72 lb down and 82 lb up at 9-0-0, and 72 lb down and 70 lb up at 10-9-0, and 204 lb down and 259 lb up at 12-6-0 on top chord, and 760 lb down and 891 lb up at 9-0-0, and 166 lb down and 163 lb up at 10-9-0, and 760 lb down and 891 lb up at 12-5-4 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=-80, 3-4=-80, 4-6=-80, 1-7=-20

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Date:
August 11,2020

Continued on page 2

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Tampa, FL 36610

LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 3=-36(F) 4=-131(F) 10=-436(F) 9=-436(F) 17=-36(F) 18=-153(F)

Job	Truss	Truss Type	Qty	Ply	
2432497	T44	Common	2	1	T20989034
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:36:04 2020 Page 1
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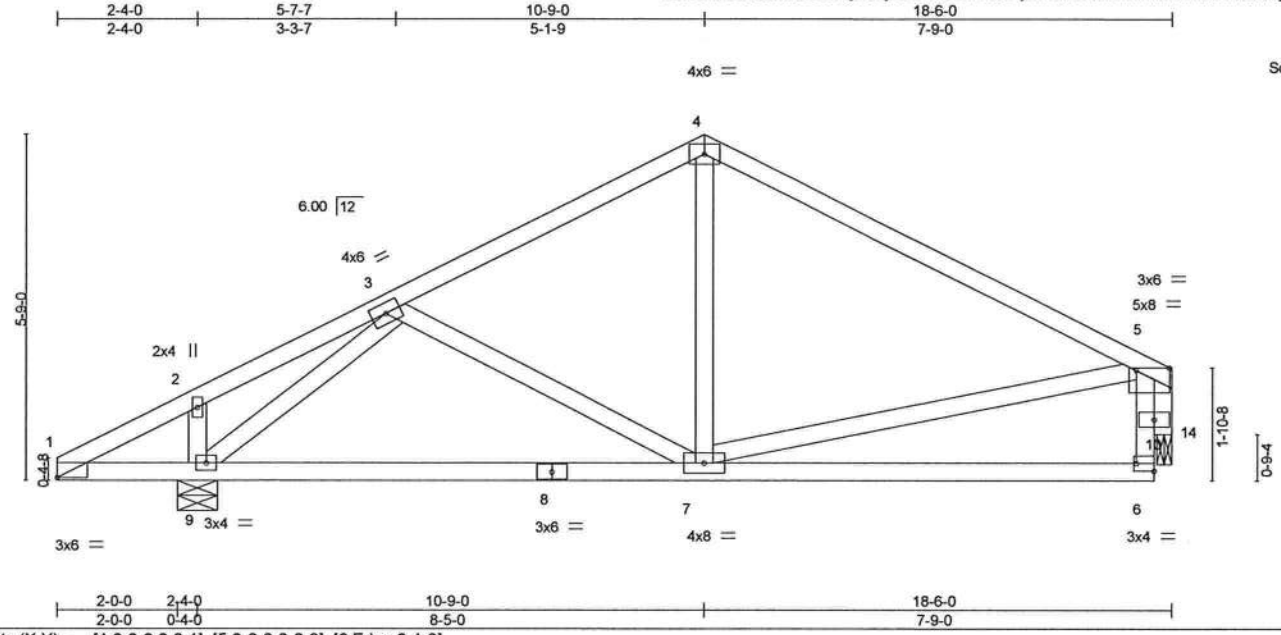

Plate Offsets (X,Y)-- [1:0-0-0,0-0-1], [5:0-6-8,0-0-8], [6:Edge,0-1-8]

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	0.99	Vert(LL)	0.18	7-9	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.58	Vert(CT)	0.16	7-9	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.56	Horz(CT)	0.02	14	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 96 lb	FT = 20%

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

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

REACTIONS. (size) 9=0-8-0, 14=0-3-0
Max Horz 9=179(LC 12)
Max Uplift 9=-356(LC 9), 14=-289(LC 8)
Max Grav 9=1105(LC 2), 14=792(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-822/921, 4-5=-854/881
BOT CHORD 7-9=-723/685, 6-7=-334/299
WEBS 4-7=-470/260, 3-9=-1022/860, 5-7=-340/391, 5-14=-845/912

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Bearing at joint(s) 14 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=356, 14=289.

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Job	Truss	Truss Type	Qty	Ply	
2432497	T45	Monopitch	4	1	T20989035
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:36:04 2020 Page 1
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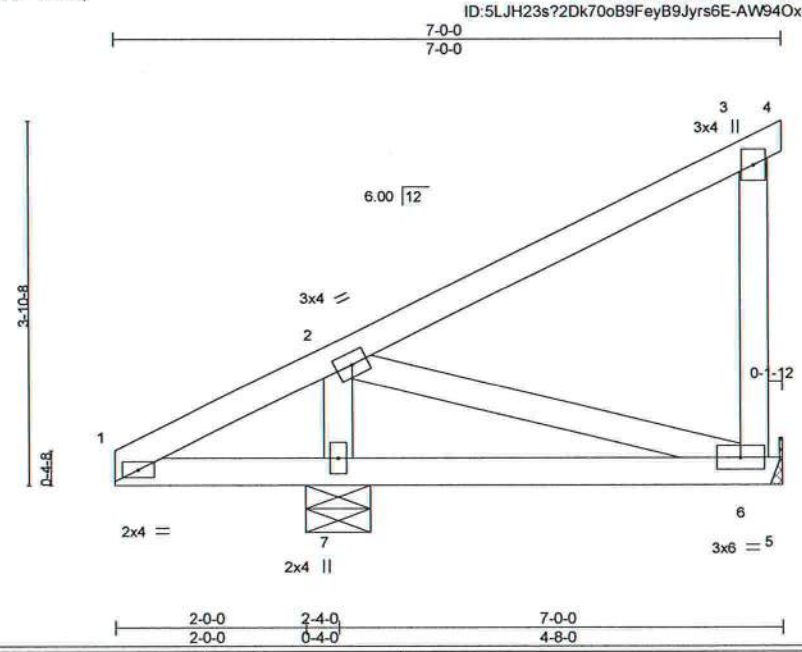


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.30	Vert(LL)	-0.01	6-7	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.14	Vert(CT)	-0.02	6-7	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.11	Horz(CT)	-0.00	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 35 lb	FT = 20%

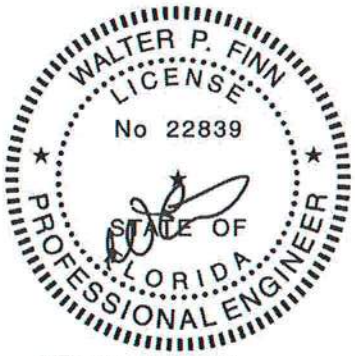
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

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) 6=Mechanical, 7=0-8-0
Max Horz 7=189(LC 12)
Max Uplift 6=-150(LC 12), 7=-127(LC 12)
Max Grav 6=195(LC 19), 7=539(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-7=-432/386

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=150, 7=127.



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Job	Truss	Truss Type	Qty	Ply	
2432497	T48	Hip Girder	1	1	T20989036
					Job Reference (optional)

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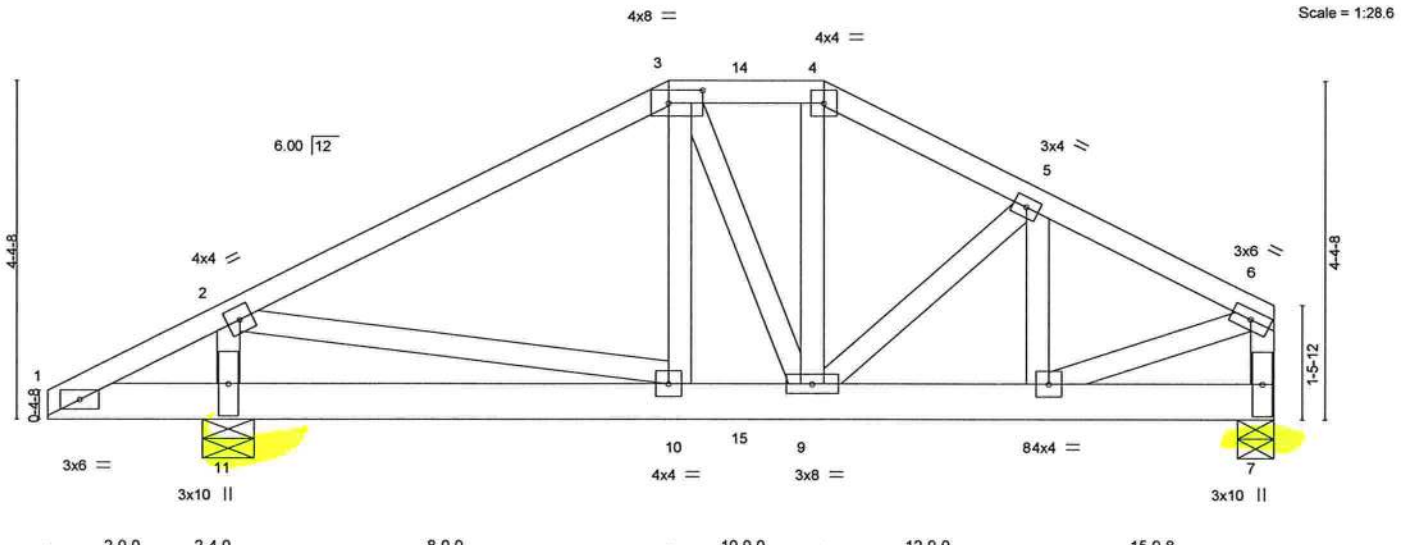

Plate Offsets (X,Y)-- [3:0-5-4,0-2-0]

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)	0.04	10	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.24	Vert(CT)	0.05	10	>999	180		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.81	Horz(CT)	-0.01	7	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 103 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 4-1-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-2-4 oc bracing.

REACTIONS. (size) 7=0-5-8, 11=0-8-0
Max Horz 11=130(LC 8)
Max Uplift 7=-1095(LC 9), 11=-1185(LC 8)
Max Grav 7=1318(LC 41), 11=1545(LC 40)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1720/1575, 3-4=-1476/1517, 4-5=-1679/1651, 5-6=-1494/1302, 6-7=-1238/1071
BOT CHORD 9-10=-1395/1501, 8-9=-1120/1297
WEBS 2-11=-1335/1172, 2-10=-1233/1393, 3-10=-465/466, 4-9=-550/599, 5-9=-517/406, 5-8=-438/496, 6-8=-1146/1320

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; cantilever left exposed ; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, 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) 7=1095, 11=1185.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 63 lb down and 57 lb up at 9-0-0, and 117 lb down and 168 lb up at 10-0-0 on top chord, and 601 lb down and 771 lb up at 8-0-0, and 119 lb down and 117 lb up at 9-0-0, and 601 lb down and 771 lb up at 10-0-0 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=-80, 3-4=-80, 4-6=-80, 1-7=-20
Concentrated Loads (lb)
Vert: 4=-67(B) 10=-255(B) 9=-255(B) 14=-21(B) 15=-111(B)

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Job	Truss	Truss Type	Qty	Ply	
2432497	T49	Common	1	1	T20989037
					Job Reference (optional)

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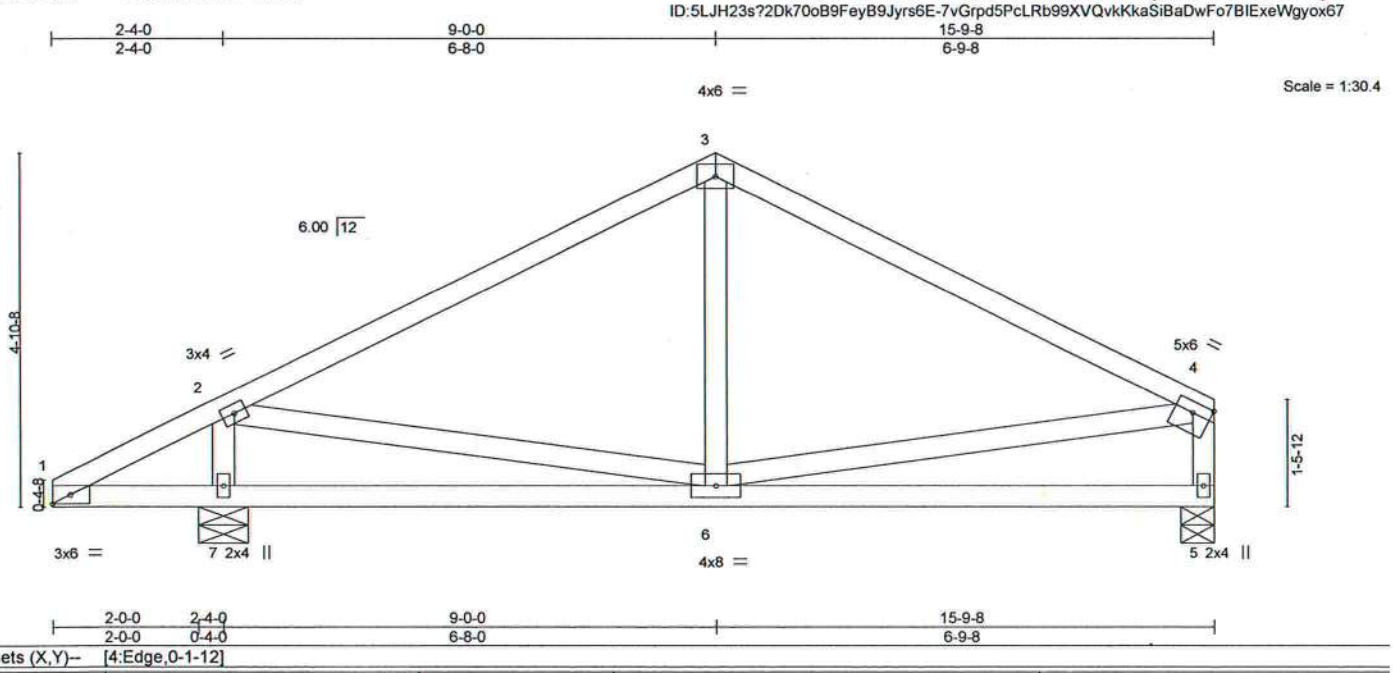


Plate Offsets (X,Y)-- [4:Edge,0-1-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.77	Vert(LL)	-0.04	5-6	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.37	Vert(CT)	-0.09	5-6	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.19	Horz(CT)	-0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 79 lb	FT = 20%

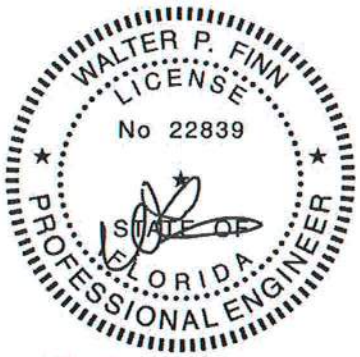
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-8-11 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 5=0-5-8, 7=0-8-0
Max Horz 7=142(LC 12)
Max Uplift 5=-207(LC 13), 7=-307(LC 12)
Max Grav 5=677(LC 2), 7=965(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-721/303, 3-4=-714/296, 4-5=-584/309
WEBS 2-7=-840/597, 2-6=-179/528, 4-6=-95/407

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 5=207, 7=307.



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Job	Truss	Truss Type	Qty	Ply	
2432497	T50	Half Hip	1	1	T20989038
					Job Reference (optional)

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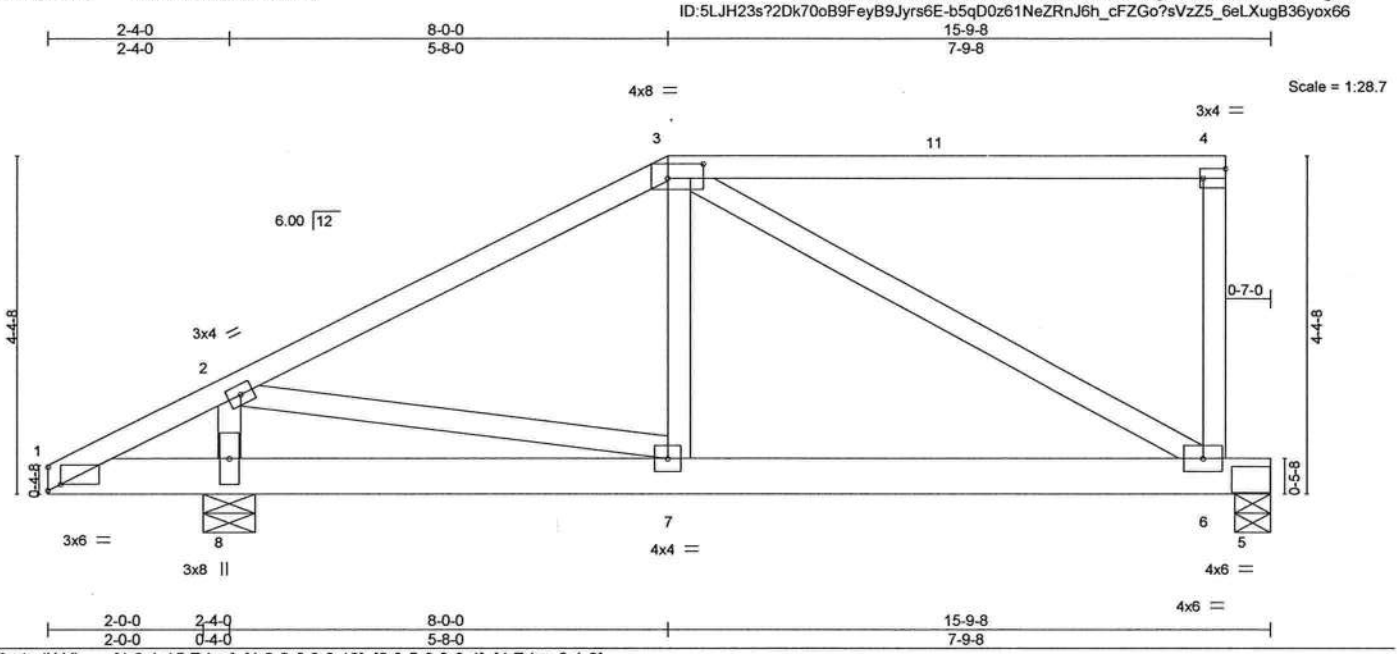

Plate Offsets (X,Y)-- [1:0-1-15,Edge], [1:0-0-0,0-3-10], [3:0-5-8,0-2-4], [4:Edge,0-1-8]

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)	-0.04	6-7	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.37	Vert(CT)	-0.09	6-7	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.75	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 93 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 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 6-0-0 oc bracing.

REACTIONS. (size) 5=0-5-8, 8=0-8-0
Max Horz 8=218(LC 12)
Max Uplift 5=-231(LC 9), 8=-317(LC 12)
Max Grav 5=639(LC 2), 8=960(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-770/247, 4-6=-283/170
BOT CHORD 6-7=-293/613
WEBS 2-8=-853/547, 2-7=-206/644, 3-6=-630/297

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 5=231, 8=317.

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Job	Truss	Truss Type	Qty	Ply	
2432497	T51	Half Hip	1	1	T20989039
					Job Reference (optional)

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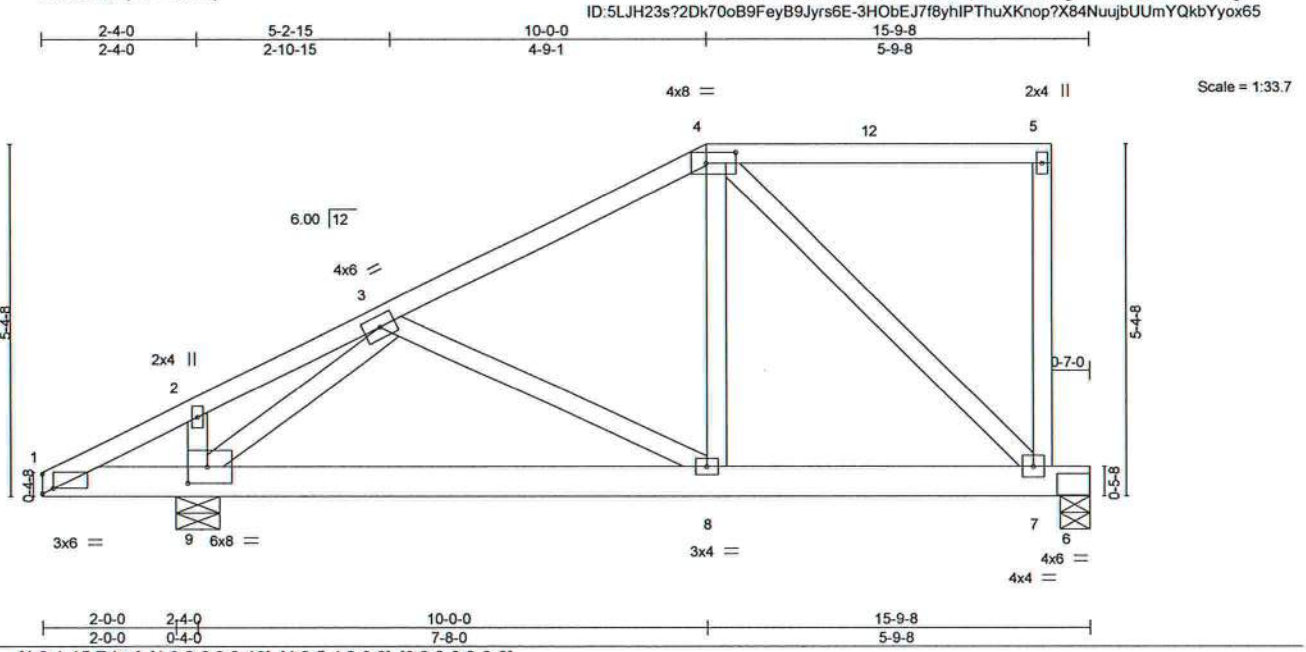

Plate Offsets (X,Y)-- [1:0-1-15,Edge], [1:0-0-0,0-3-10], [4:0-5-4,0-2-0], [9:0-3-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.43	Vert(LL)	-0.02	8-9	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.33	Vert(CT)	-0.05	7-8	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.58	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 99 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 1-9.

REACTIONS. (size) 6=0-5-8, 9=0-8-0
Max Horz 9=272(LC 12)
Max Uplift 6=-232(LC 12), 9=-305(LC 12)
Max Grav 6=639(LC 2), 9=960(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-277/157, 3-4=-607/199
BOT CHORD 1-9=-109/282, 8-9=-391/529, 7-8=-243/483
WEBS 4-8=-63/347, 4-7=-645/323, 3-9=-858/491

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=232, 9=305.

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Job	Truss	Truss Type	Qty	Ply	
2432497	T52	Half Hip	1	1	T20989040
					Job Reference (optional)

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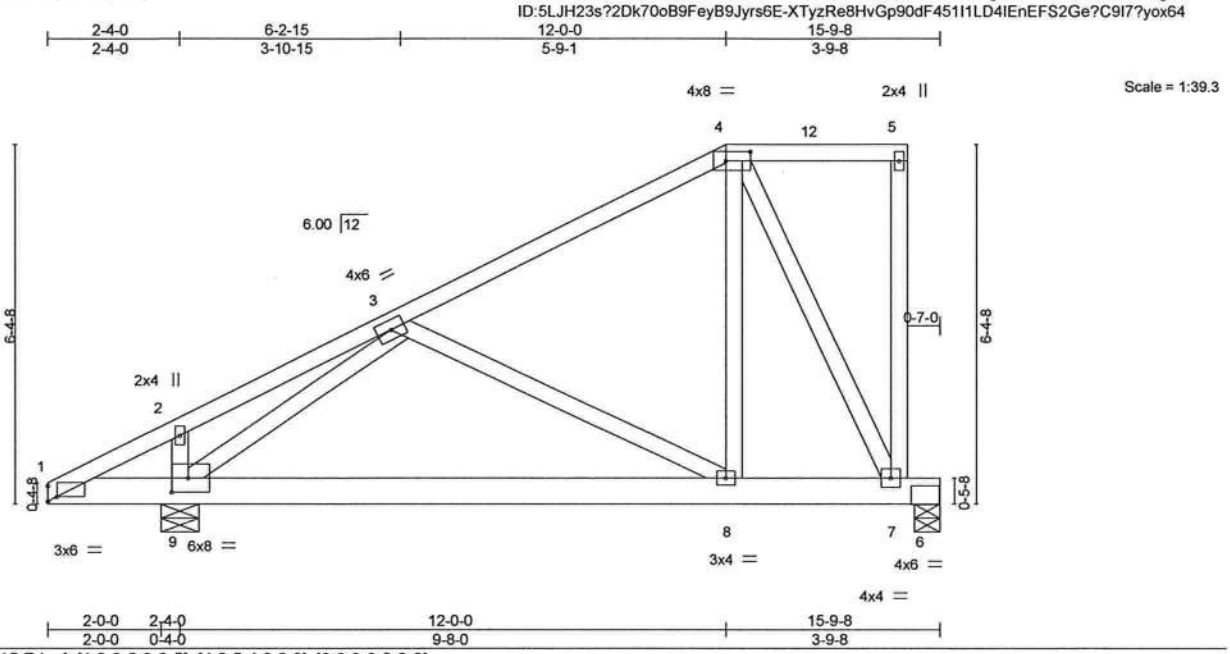

Plate Offsets (X,Y)— [1:0-1-15,Edge], [1:0-0-0,0-3-5], [4:0-5-4,0-2-0], [9:0-3-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.47	Vert(LL)	-0.05	8-9	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.33	Vert(CT)	-0.10	8-9	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.61	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 106 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 1-9.

REACTIONS. (size) 6=0-5-8, 9=0-8-0
Max Horz 9=326(LC 12)
Max Uplift 6=-274(LC 12), 9=-287(LC 12)
Max Grav 6=639(LC 2), 9=960(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-285/88, 3-4=-473/109
BOT CHORD 1-9=-46/285, 8-9=-445/569, 7-8=-174/346
WEBS 3-8=-295/308, 4-8=-134/514, 4-7=-748/375, 3-9=-788/459

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=274, 9=287.

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

August 11,2020

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
2432497	T53	Half Hip	1	1	T20989041
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:36:10 2020 Page 1
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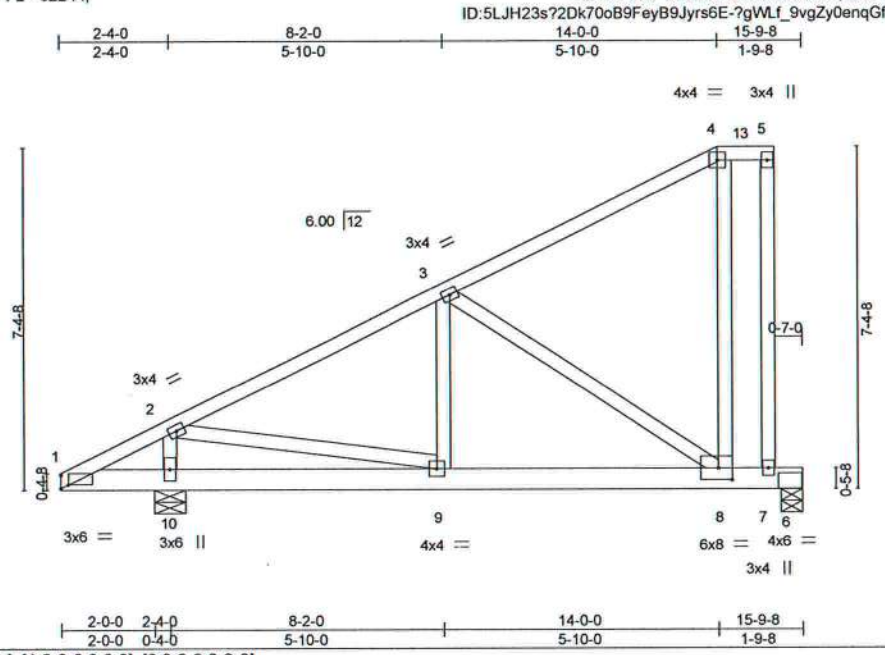


Plate Offsets (X,Y)-- [1:0-1-15,Edge], [1:0-0-0,0-3-9], [8:0-3-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.64	Vert(LL)	0.12	8-9	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.76	Vert(CT)	-0.20	8-9	>805	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.72	Horz(CT)	-0.00	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 107 lb	FT = 20%

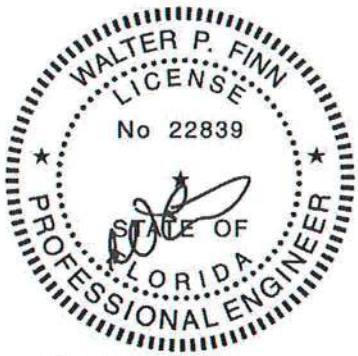
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

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

REACTIONS. (size) 6=0-5-8, 10=0-8-0
Max Horz 10=380(LC 12)
Max Uplift 6=-321(LC 12), 10=-263(LC 12)
Max Grav 6=639(LC 2), 10=960(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-804/176
BOT CHORD 9-10=-314/105, 8-9=-425/643
WEBS 2-10=-874/503, 2-9=-207/715, 3-9=-43/276, 3-8=-736/487

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=321, 10=263.



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Job	Truss	Truss Type	Qty	Ply	
2432497	T54	Monopitch	1	1	T20989042
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:36:10 2020 Page 1
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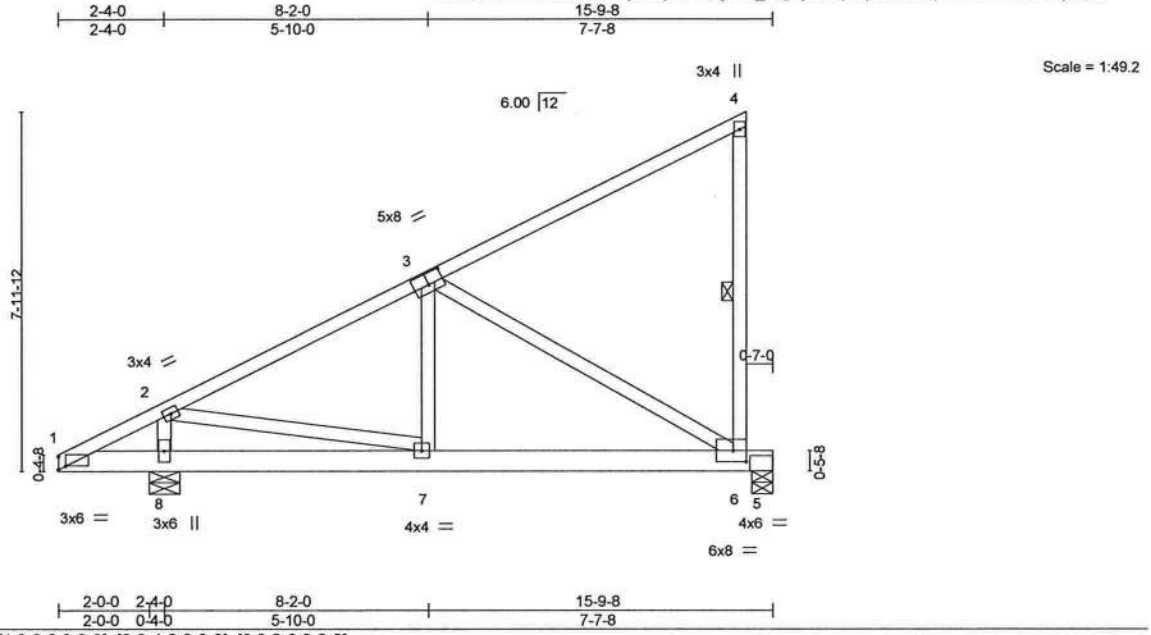

Plate Offsets (X,Y)-- [1:0-1-15,Edge], [1:0-0-0,0-3-8], [3:0-4-0,0-3-0], [6:0-3-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.73	Vert(LL)	-0.04	6-7	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.41	Vert(CT)	-0.10	6-7	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.87	Horz(CT)	-0.01	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 100 lb	FT = 20%

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

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

REACTIONS. (size) 5=0-5-8, 8=0-8-0
Max Horz 8=408(LC 12)
Max Uplift 5=-348(LC 12), 8=-248(LC 12)
Max Grav 5=640(LC 19), 8=960(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-802/141
BOT CHORD 7-8=-341/116, 6-7=-431/649
WEBS 3-6=-726/481, 2-7=-185/713, 2-8=-825/443

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 5=348, 8=248.

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
2432497	T55	Monopitch	8	1	T20989043
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:36:11 2020 Page 1
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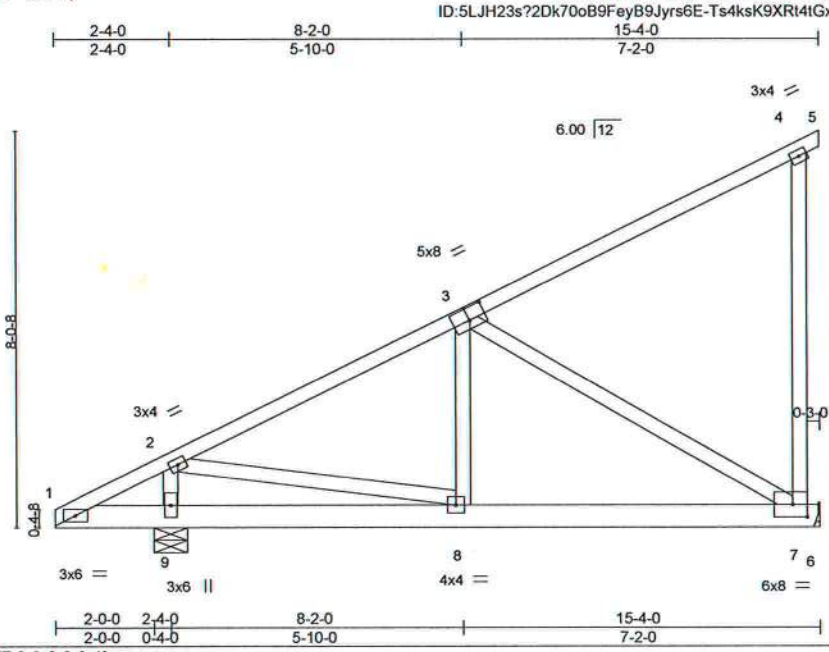


Plate Offsets (X,Y)-- [3:0-4-0,0-3-0], [7:0-3-8,0-3-1]

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	0.66	Vert(LL)	-0.03	7-8	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.33	Vert(CT)	-0.08	7-8	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.79	Horz(CT)	-0.01	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 98 lb	FT = 20%

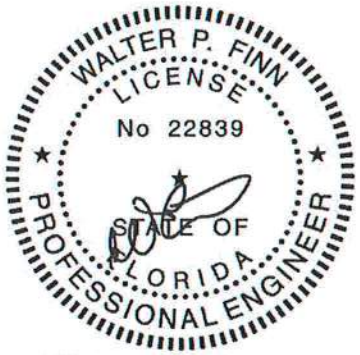
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-11-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (size) 6=Mechanical, 9=0-8-0
Max Horz 9=414(LC 12)
Max Uplift 6=-370(LC 12), 9=-237(LC 12)
Max Grav 6=662(LC 2), 9=946(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-764/113, 4-7=-256/239
BOT CHORD 8-9=-358/136, 7-8=-413/604
WEBS 3-7=-684/464, 2-8=-138/655, 2-9=-814/440

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=370, 9=237.



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Job	Truss	Truss Type	Qty	Ply	
2432497	T56	Monopitch	1	1	T20989044
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:36:12 2020 Page 1
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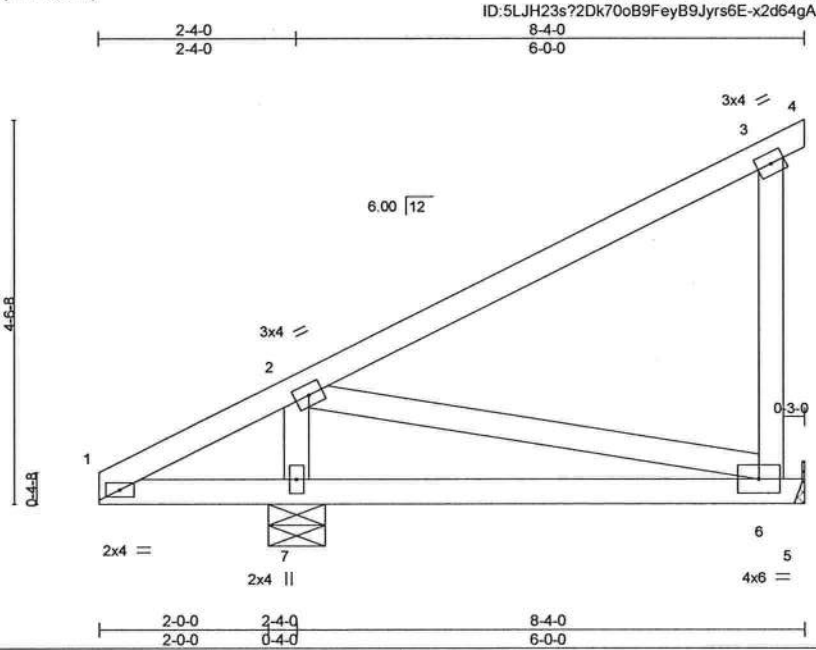

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.47	Vert(LL)	-0.03	6-7	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.25	Vert(CT)	-0.07	6-7	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.12	Horz(CT)	-0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		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, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (size) 5=Mechanical, 7=0-8-0
Max Horz 7=224(LC 12)
Max Uplift 5=-180(LC 12), 7=-149(LC 12)
Max Grav 5=272(LC 19), 7=605(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-7=-470/401

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 5=180, 7=149.

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Job	Truss	Truss Type	Qty	Ply	
2432497	T58	Roof Special Girder	1	1	T20989045
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:36:14 2020 Page 1
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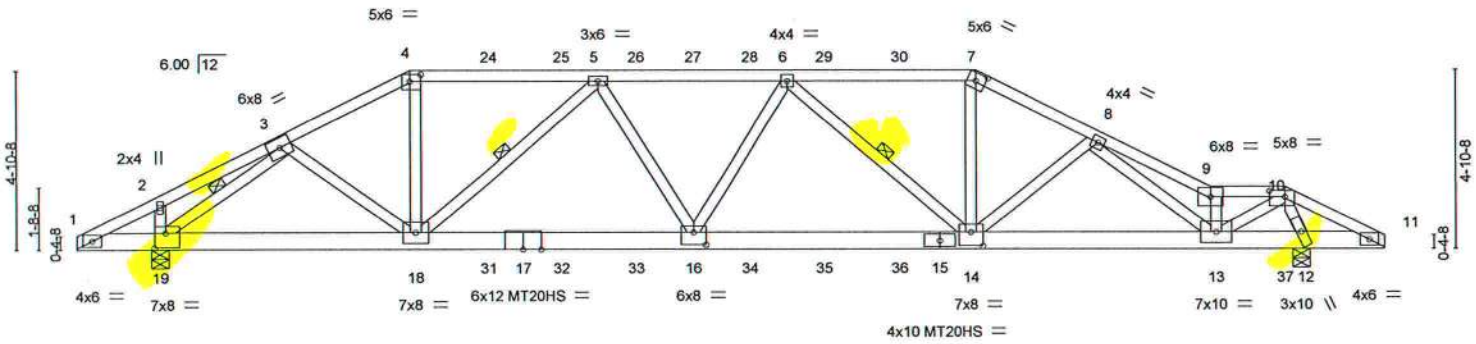
2-2-12	5-7-6	9-0-0	14-0-11	19-1-5	24-2-0	27-4-0	30-6-0	32-6-0	35-2-0
2-2-12	3-4-10	3-4-10	5-0-11	5-0-11	5-0-11	3-2-0	3-2-0	2-0-0	2-8-0

Scale = 1:60.1



2-0-0 2-2-12	9-0-0	16-7-0	24-2-0	30-6-0	33-2-0	35-2-0
2-0-0 2-2-12	6-9-4	7-7-0	7-7-0	6-4-0	2-8-0	2-0-0

Plate Offsets (X,Y)-- [4:0-3-8,0-2-4], [7:0-3-4,0-2-8], [10:0-5-0,0-2-0], [14:0-4-0,0-4-8], [16:0-4-0,0-4-0], [19:0-3-8,0-4-12]

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	0.98	Vert(LL)	0.38	14-16	>982	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.49	Vert(CT)	-0.48	14-16	>776	180	MT20HS	187/143
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.85	Horz(CT)	0.10	12	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 215 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP M 26
WEBS 2x4 SP No.3 *Except*
10-13: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied or 5-1-9 oc bracing.
WEBS 1 Row at midpt 3-19, 5-18, 6-14

REACTIONS. (size) 19=0-5-8, 12=0-5-8
Max Horz 19=-106(LC 9)
Max Uplift 19=-1944(LC 8), 12=-2053(LC 9)
Max Grav 19=3155(LC 2), 12=2749(LC 42)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-255/197, 3-4=-4383/3022, 4-5=-3934/2766, 5-6=-5675/3892, 6-7=-4591/3214, 7-8=-5122/3509, 8-9=-4785/3282, 9-10=-4027/2741, 10-11=-233/302
BOT CHORD 18-19=-2184/3218, 16-18=-3568/5260, 14-16=-3691/5484, 13-14=-3051/4644, 12-13=-780/1014
WEBS 2-19=-345/252, 3-19=-3989/2638, 3-18=-671/889, 4-18=-1118/1596, 5-18=-1824/1246, 5-16=-551/865, 6-16=-296/427, 6-14=-1263/867, 7-14=-1361/1952, 8-14=-296/266, 8-13=-563/376, 9-13=-2223/1528, 10-13=-2343/3758, 10-12=-2239/1568

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; cantilever left and right exposed ; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 19=1944, 12=2053.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 75 lb down and 87 lb up at 9-0-0, 75 lb down and 87 lb up at 11-0-12, 75 lb down and 87 lb up at 13-0-12, 75 lb down and 87 lb up at 15-0-12, 75 lb down and 87 lb up at 16-7-0, 75 lb down and 87 lb up at 18-1-4, 75 lb down and 87 lb up at 20-1-4, 75 lb down and 87 lb up at 22-1-4, and 75 lb down and 87 lb up at 24-2-0, and 216 lb down and 431 lb up at 32-6-0 on top chord, and 434 lb down and 563 lb up at 9-0-0, 179 lb down and 165 lb up at 11-0-12, 179 lb down and 165 lb up at 13-0-12, 179 lb down and 165 lb up at 15-0-12, 179 lb down and 165 lb up at 16-7-0, 179 lb down and 165 lb up at 18-1-4, 179 lb down and 165 lb up at 20-1-4, 179 lb down and 165 lb up at 22-1-4, and 434 lb down and 563 lb up at 24-1-4, and 176 lb down and 410 lb up at 32-6-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

Continued on page 2

LOAD CASE(S) Standard

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LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-4=-80, 4-7=-80, 7-9=-80, 9-10=-80, 10-11=-80, 1-11=-20
   Concentrated Loads (lb)
   Vert: 4=-41(B) 7=-41(B) 10=226(B) 18=-395(B) 16=-164(B) 14=-395(B) 24=-41(B) 25=-41(B) 26=-41(B) 27=-41(B) 28=-41(B) 29=-41(B) 30=-41(B) 31=-164(B) 32=-164(B) 33=-164(B) 34=-164(B) 35=-164(B) 36=-164(B) 37=215(B)

Job	Truss	Truss Type	Qty	Ply	
2432497	T59	Roof Special	1	1	T20989046
					Job Reference (optional)

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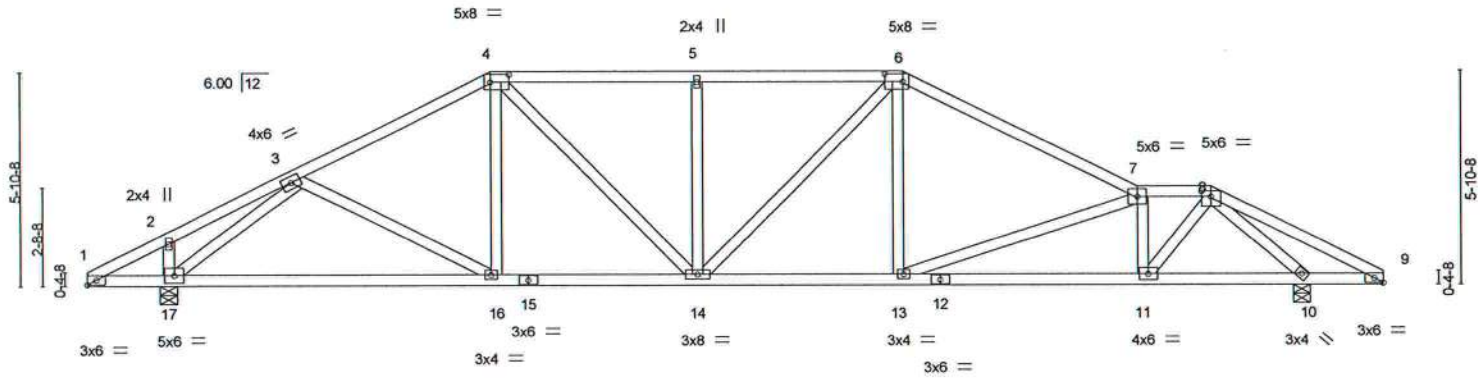
2-2-12	5-8-15	11-0-0	16-7-0	22-2-0	28-6-0	30-6-0	35-2-0
2-2-12	3-6-3	5-3-1	5-7-0	5-7-0	6-4-0	2-0-0	4-8-0

Scale = 1:60.6



2-0-0	2-2-12	11-0-0	16-7-0	22-2-0	28-6-0	32-11-4	33-2-0	35-2-0
2-0-0	0-2-12	8-9-4	5-7-0	5-7-0	6-4-0	4-5-4	0-2-12	2-0-0

Plate Offsets (X,Y)-- [4:0-6-0,0-2-8], [6:0-6-0,0-2-8], [8:0-3-0,0-1-12], [9:0-2-15,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.56	Vert(LL)	-0.13	16-17	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.82	Vert(CT)	-0.30	16-17	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.85	Horz(CT)	0.10	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 193 lb	FT = 20%

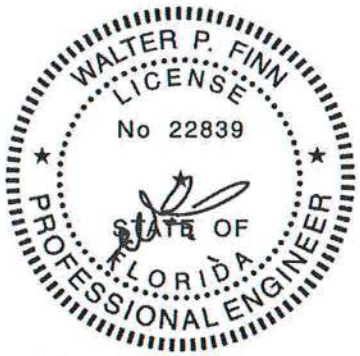
LUMBER-
TOP CHORD 2x4 SP No.2 *Except*
6-7: 2x4 SP M 31
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-2-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (size) 10=0-5-8, 17=0-5-8
Max Horz 17=129(LC 12)
Max Uplift 10=-535(LC 13), 17=-508(LC 12)
Max Grav 10=1836(LC 2), 17=1856(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-2132/910, 4-5=-2231/1056, 5-6=-2231/1056, 6-7=-2386/1004, 7-8=-2524/1061
BOT CHORD 16-17=-600/1621, 14-16=-550/1832, 13-14=-655/2060, 11-13=-955/2592, 10-11=-528/1523
WEBS 3-16=-97/318, 4-14=-273/633, 5-14=-495/291, 6-14=-192/365, 6-13=-82/442, 7-13=-583/332, 7-11=-1144/574, 8-11=-645/1643, 8-10=-2275/1014, 3-17=-2095/1045

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 10=535, 17=508.



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

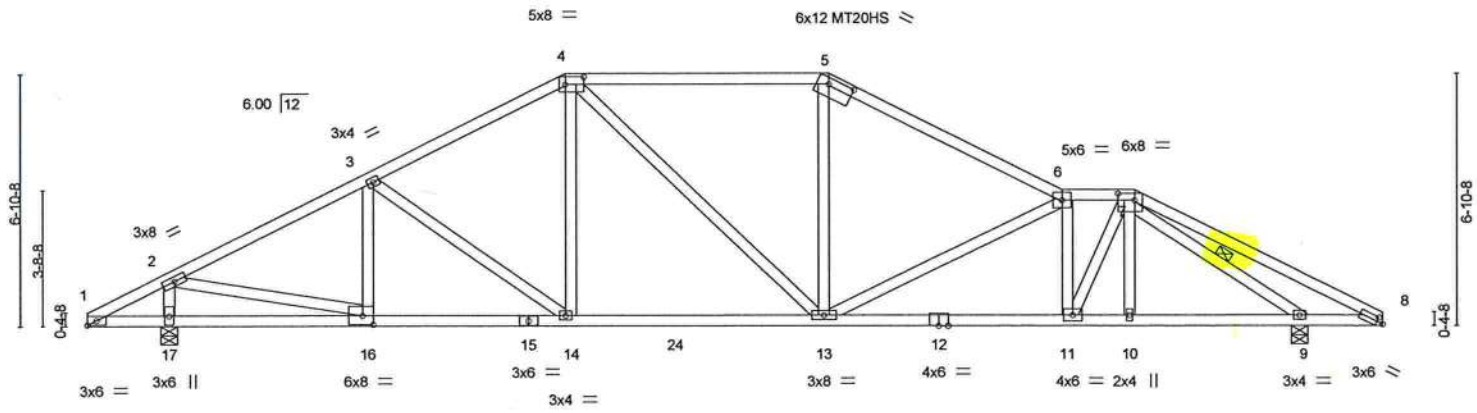
August 11,2020

Job	Truss	Truss Type	Qty	Ply	T20989047
2432497	T60	Roof Special	1	1	Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:36:16 2020 Page 1
ID:5LJH23s?2Dk70oB9FeyB9Jyrs6E-qqtdv2DgGPiAMilQ??wg8htNacVhbAwgcoM9s5yox5z

2-2-12	7-7-6	13-0-0	20-2-0	26-6-0	28-6-0	35-2-0
2-2-12	5-4-10	5-4-10	7-2-0	6-4-0	2-0-0	6-8-0

Scale = 1:60.4



2-0-0	2-2-12	7-7-6	13-0-0	20-2-0	26-6-0	28-6-0	33-2-0	35-2-0
2-0-0	2-2-12	5-4-10	5-4-10	7-2-0	6-4-0	2-0-0	4-8-0	2-0-0

Plate Offsets (X,Y)-- [4:0-6-0,0-2-8], [5:0-8-4,0-2-0], [7:0-5-8,0-2-4], [8:0-1-15,0-1-8], [16:0-3-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.97	Vert(LL)	-0.15	13-14	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.85	Vert(CT)	-0.29	13-14	>999	180	MT20HS	187/143
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.75	Horz(CT)	0.09	9	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 199 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2 *Except*
4-5: 2x4 SP M 31
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 7-9

REACTIONS. (size) 17=0-5-8, 9=0-5-8
Max Horz 17=-153(LC 13)
Max Uplift 17=-536(LC 12), 9=-558(LC 13)
Max Grav 17=1911(LC 2), 9=1867(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2236/895, 3-4=-2124/926, 4-5=-1946/953, 5-6=-2257/966, 6-7=-2489/1083
BOT CHORD 14-16=-647/1925, 13-14=-506/1829, 11-13=-902/2529, 10-11=-639/1883, 9-10=-641/1882
WEBS 2-17=-1714/868, 2-16=-770/1962, 3-16=-296/207, 4-14=-95/413, 4-13=-154/290, 5-13=-83/482, 6-13=-672/385, 6-11=-938/460, 7-11=-512/1268, 7-9=-2369/994

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 17=536, 9=558.

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
2432497	T61	Roof Special Girder	1	3	T20989048

Job Reference (optional)

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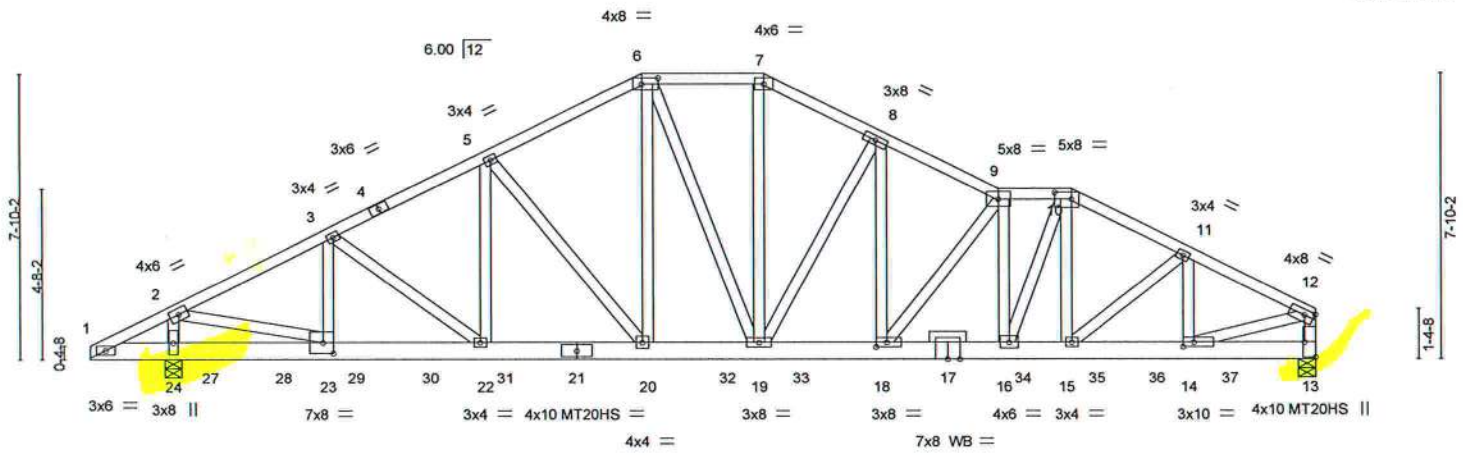
ID:5LJH23s?2Dk70oB9FeyB9Jyrs6E-EPZIY3GZYK4ID90?h7TNlKUx0pXSoVT6ImaqTQyox5w

2-2-12	6-5-9	10-8-7	14-11-4	18-2-12	21-4-12	24-6-12	26-6-12	29-8-10	33-2-0
2-2-12	4-2-13	4-2-13	4-2-13	3-3-8	3-2-0	3-2-0	2-0-0	3-1-14	3-5-6

Scale = 1:60.6



2-0-0 2-2-12	6-5-9	10-8-7	14-11-4	18-2-12	21-4-12	24-6-12	26-6-12	29-8-10	33-2-0
2-0-0 0-2-12	4-2-13	4-2-13	4-2-13	3-3-8	3-2-0	3-2-0	2-0-0	3-1-14	3-5-6

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.77	Vert(LL)	0.15	18	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.85	Vert(CT)	-0.31	16-18	>999	180	MT20HS	187/143
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.89	Horz(CT)	0.06	13	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 779 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x6 SP M 26 *Except* 1-21: 2x6 SP No.2
WEBS	2x4 SP No.3 *Except* 12-14: 2x4 SP No.2
OTHERS	2x4 SP No.3

BRACING-

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

REACTIONS. (size) 24=0-5-8, 13=0-5-8
Max Horz 24=208(LC 8)
Max Uplift 24=-2503(LC 8), 13=-3021(LC 9)
Max Grav 24=6199(LC 2), 13=9040(LC 2)

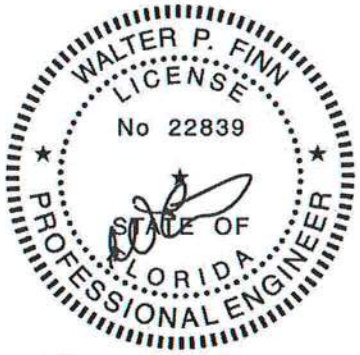
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD	1-2=-594/306, 2-3=-8235/3299, 3-5=-10100/3794, 5-6=-9668/3463, 6-7=-9182/3290, 7-8=-10237/3613, 8-9=-12557/4332, 9-10=-13081/4509, 10-11=-12670/4330, 11-12=-11631/3897, 12-13=-8474/2861
BOT CHORD	1-24=-243/533, 23-24=-416/574, 22-23=-3030/7293, 20-22=-3365/8980, 19-20=-2959/8623, 18-19=-3668/11235, 16-18=-4369/13181, 15-16=-3744/11339, 14-15=-3429/10327, 13-14=-192/547
WEBS	2-24=-5419/2211, 2-23=-2700/6986, 3-23=-2373/654, 3-22=-553/2147, 5-22=-452/532, 5-20=-811/677, 6-20=-1252/2764, 6-19=-392/1521, 7-19=-1532/4348, 8-19=-4352/1535, 8-18=-1461/4506, 9-18=-3285/1182, 9-16=-2971/1053, 10-16=-1505/4399, 10-15=-430/1362, 11-15=-469/1249, 11-14=-1468/586, 12-14=-3398/10266

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.
   Bottom chords connected as follows: 2x6 - 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 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; cantilever left and right exposed ; Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
6) All plates are MT20 plates unless otherwise indicated.
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 24=2503, 13=3021.

Continued on page 2



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Tampa, FL 36610

NOTES-

10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 89 lb down and 87 lb up at 3-2-12, 63 lb down and 190 lb up at 5-2-12, 94 lb down and 307 lb up at 7-2-12, 97 lb down and 275 lb up at 9-2-12, 1080 lb down and 438 lb up at 11-2-12, 1080 lb down and 429 lb up at 13-2-12, 1080 lb down and 418 lb up at 15-2-12, 1080 lb down and 349 lb up at 17-2-12, 1105 lb down and 351 lb up at 19-2-12, 1105 lb down and 345 lb up at 21-2-12, 1105 lb down and 393 lb up at 23-2-12, 1105 lb down and 393 lb up at 25-2-12, 1105 lb down and 386 lb up at 27-2-12, and 1147 lb down and 368 lb up at 28-10-4, and 1147 lb down and 368 lb up at 30-10-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

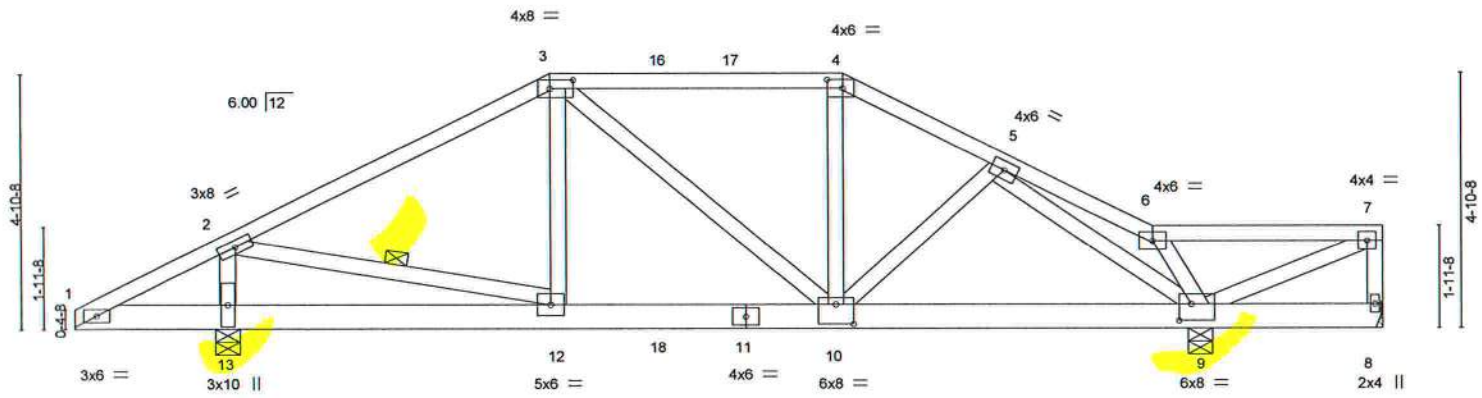
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-6=-80, 6-7=-80, 7-9=-80, 9-10=-80, 10-12=-80, 1-13=-20
   Concentrated Loads (lb)
   Vert: 21=-1042(F) 20=-1042(F) 18=-1065(F) 17=-1065(F) 27=-89(F) 28=108(F) 29=176(F) 30=157(F) 31=-1042(F) 32=-1042(F) 33=-1065(F) 34=-1065(F) 35=-1065(F) 36=-1065(F) 37=-1065(F)

Job	Truss	Truss Type	Qty	Ply	
2432497	T62	Roof Special Girder	1	1	T20989049
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:36:21 2020 Page 1
ID:5LJH23s?2Dk70oB9FeyB9Jyrs6E-BngWylHp4yKSSTANoYVrrlaD?cGcGPcPl43wXlyox5u

2-10-12	9-0-0	14-6-0	17-5-0	20-4-0	24-8-0
2-10-12	6-1-4	5-6-0	2-11-0	2-11-0	4-4-0

Scale = 1:42.2



2-8-0	2-10-12	9-0-0	14-6-0	21-2-12	24-8-0
2-8-0	0-2-12	6-1-4	5-6-0	6-8-12	3-5-4

Plate Offsets (X,Y)-- [3:0-5-4,0-2-0], [4:0-3-8,0-2-0], [9:0-2-11,0-3-12], [10:0-4-0,0-4-8]

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	0.99	Vert(LL)	0.12	10-12	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.61	Vert(CT)	-0.13	10-12	>999	180		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.85	Horz(CT)	0.02	8	n/a	n/a		
BCDL	10.0	Code FBC2017/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

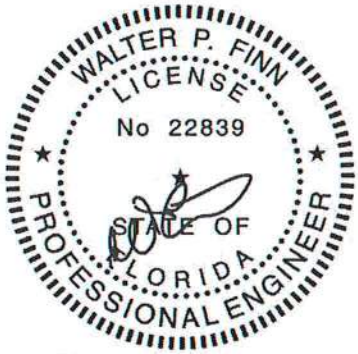
BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-10-4 oc bracing.
WEBS 1 Row at midpt 2-12

REACTIONS. (size) 8=Mechanical, 13=0-5-8, 9=0-5-8
Max Horz 13=155(LC 8)
Max Uplift 8=-74(LC 5), 13=-1226(LC 8), 9=-1270(LC 5)
Max Grav 8=109(LC 20), 13=1946(LC 2), 9=1838(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2080/1632, 3-4=-1948/1621, 4-5=-2185/1761, 5-6=-314/208
BOT CHORD 10-12=-1462/1776, 9-10=-1315/1742
WEBS 2-13=-1738/1268, 2-12=-1402/1846, 3-12=-408/303, 3-10=-209/266, 4-10=-427/518, 5-10=-385/336, 5-9=-1927/1502, 6-9=-517/328

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; cantilever left and right exposed ; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, 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) 8 except (jt=lb) 13=1226, 9=1270.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 75 lb down and 87 lb up at 9-0-0, 75 lb down and 87 lb up at 11-0-12, and 75 lb down and 87 lb up at 12-5-4, and 180 lb down and 209 lb up at 14-6-0 on top chord, and 336 lb down and 512 lb up at 9-0-0, 179 lb down and 165 lb up at 11-0-12, and 179 lb down and 165 lb up at 12-5-4, and 437 lb down and 563 lb up at 14-5-4 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=-80, 3-4=-80, 4-6=-80, 6-7=-80, 1-8=-20



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Continued on page 2

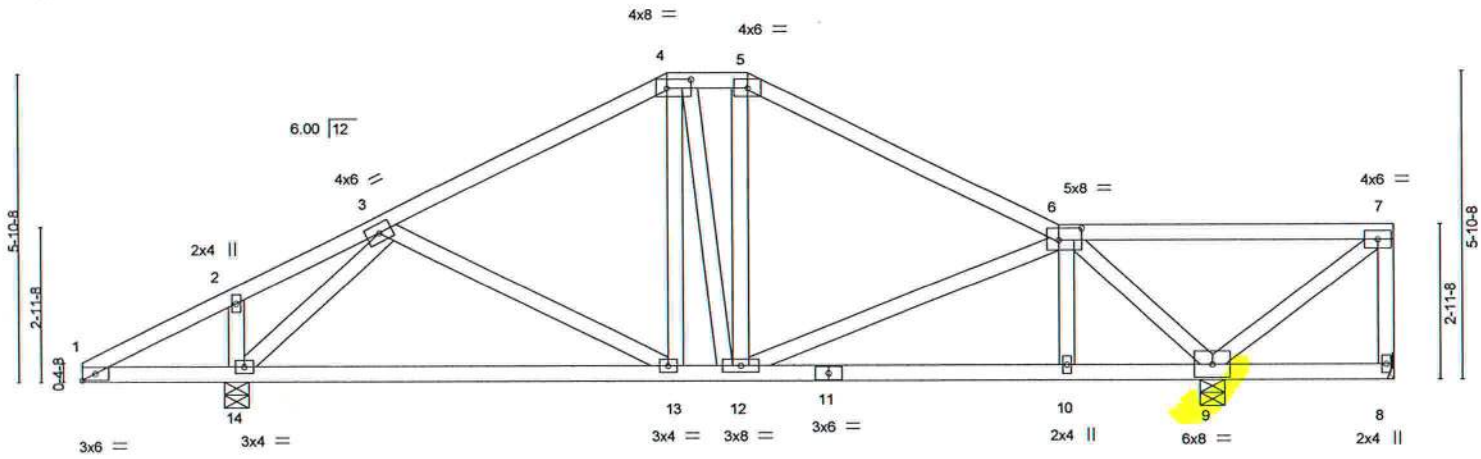
LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 3=-41(B) 4=-98(B) 11=-164(B) 12=-288(B) 10=-395(B) 16=-41(B) 17=-41(B) 18=-164(B)

Job	Truss	Truss Type	Qty	Ply	T20989050
2432497	T63	Roof Special	1	1	Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:36:22 2020 Page 1
ID:5LJH23s?2Dk70oB9FeyB9Jyrs6E-f_EuA5IRrFSJ4dlaMG14Ny6Tb0d7?ywY_kpU3lyox5t

2-10-12	5-8-15	11-0-0	12-6-0	18-4-0	24-8-0
2-10-12	2-10-3	5-3-1	1-6-0	5-10-0	6-4-0

Scale = 1:42.1



2-8-0	2-10-12	11-0-0	12-6-0	18-4-0	21-2-12	24-8-0
2-8-0	0-2-12	8-1-4	1-6-0	5-10-0	2-10-12	3-5-4

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.68	Vert(LL)	0.19	13-14	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.53	Vert(CT)	-0.18	13-14	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.46	Horz(CT)	0.02	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 144 lb	FT = 20%

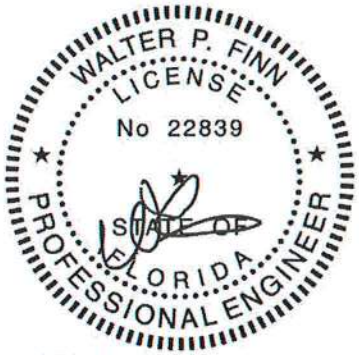
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-11-5 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (size) 8=Mechanical, 9=0-5-8, 14=0-5-8
Max Horz 14=209(LC 12)
Max Uplift 8=-155(LC 2), 9=-684(LC 9), 14=-416(LC 9)
Max Grav 8=69(LC 8), 9=1498(LC 2), 14=1232(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-51/267, 3-4=-864/870, 4-5=-685/829, 5-6=-859/837, 6-7=-467/466, 7-8=-267/206
BOT CHORD 13-14=-650/615, 12-13=-678/696, 10-12=-573/591, 9-10=-587/600
WEBS 4-13=-341/215, 6-10=-260/193, 6-9=-1449/1432, 7-9=-660/643, 3-14=-1136/918

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=155, 9=684, 14=416.



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Date:

August 11,2020

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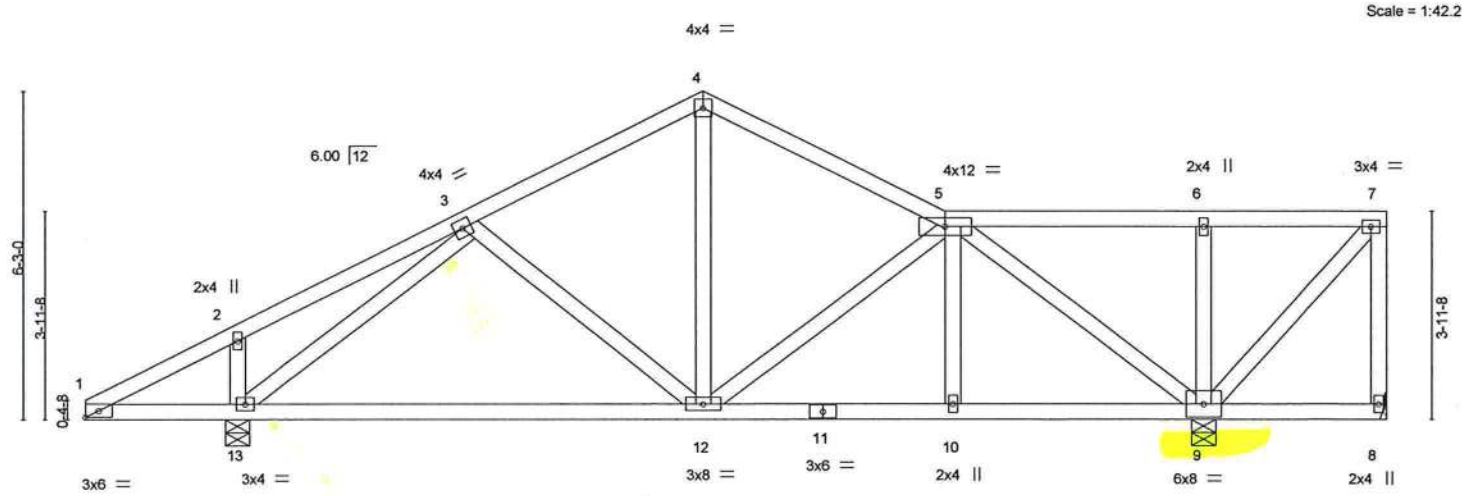
Job	Truss	Truss Type	Qty	Ply	T20989051
2432497	T64	Roof Special	1	1	Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:36:23 2020 Page 1
ID:5LJH23s?2Dk70oB9FeyB9Jyrs6E-7AoGNRJ3cZaAinKmwzYJwAfivQywkKNiDOY1cByox5s

2-10-12	7-3-14	11-9-0	16-4-0	21-2-12	24-8-0
2-10-12	4-5-2	4-5-2	4-7-0	4-10-12	3-5-4

Scale = 1:42.2



2-8-0	2-10-12	11-9-0	16-4-0	21-2-12	24-8-0
2-8-0	0-2-12	8-10-4	4-7-0	4-10-12	3-5-4

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	0.39	Vert(LL)	0.26	12-13	>836	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.62	Vert(CT)	-0.25	12-13	>881	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.83	Horz(CT)	0.02	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 142 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-10-9 oc bracing.

REACTIONS. (size) 8=Mechanical, 13=0-5-8, 9=0-5-8
Max Horz 13=248(LC 12)
Max Uplift 8=-272(LC 2), 13=-390(LC 9), 9=-821(LC 9)
Max Grav 8=100(LC 9), 13=1211(LC 2), 9=1636(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-776/814, 4-5=-771/807, 5-6=-345/335, 6-7=-345/335, 7-8=-338/304
BOT CHORD 12-13=-730/673, 10-12=-658/642, 9-10=-665/646
WEBS 2-13=-304/231, 3-13=-1023/768, 4-12=-486/315, 5-9=-1227/1262, 6-9=-394/233, 7-9=-503/518

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=272, 13=390, 9=821.

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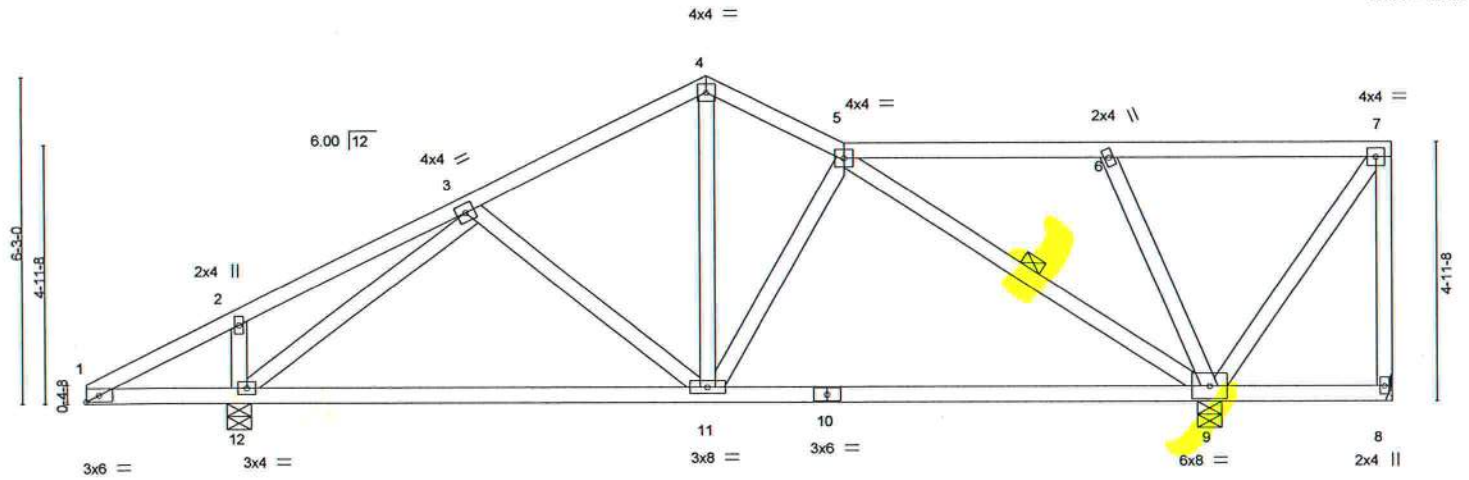
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
2432497	T65	Roof Special	1	1	T20989052
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:36:24 2020 Page 1
ID:5LJH23s?2Dk70oB9FeyB9Jyrs6E-bMMebnJhNti1JwvyTh3YSNCrhqG8Tp9rR2Ia8dyox5r

2-10-12	7-3-14	11-9-0	14-4-0	19-4-4	24-8-0
2-10-12	4-5-2	4-5-2	2-7-0	5-0-4	5-3-12

Scale = 1:42.2



2-8-0	2-10-12	11-9-0	21-2-12	24-8-0
2-8-0	0-2-12	8-10-4	9-5-12	3-5-4

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	0.52	Vert(LL)	0.30	9-11	>728	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.75	Vert(CT)	-0.29	9-11	>764	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.67	Horz(CT)	0.02	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 144 lb	FT = 20%

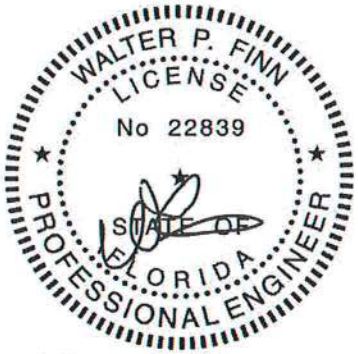
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

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

REACTIONS. (size) 8=Mechanical, 12=0-5-8, 9=0-5-8
Max Horz 12=279(LC 12)
Max Uplift 8=-240(LC 2), 12=-414(LC 9), 9=-878(LC 9)
Max Grav 8=103(LC 9), 12=1222(LC 2), 9=1593(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=0/253, 3-4=-810/826, 4-5=-767/841, 6-7=-238/256
BOT CHORD 11-12=-793/694, 9-11=-701/678
WEBS 2-12=-305/232, 3-12=-1066/814, 4-11=-556/411, 5-9=-902/981, 6-9=-528/315, 7-9=-465/420

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=240, 12=414, 9=878.



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August 11,2020

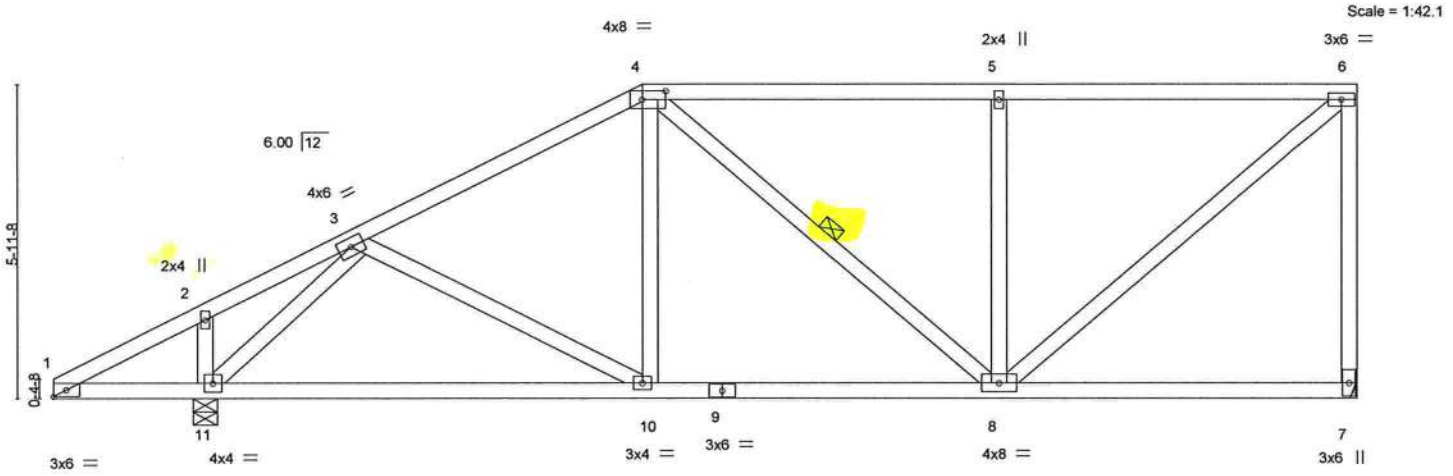
Job	Truss	Truss Type	Qty	Ply	
2432497	T66	Half Hip	1	1	T20989053
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:36:25 2020 Page 1
ID:5LJH23s?2Dk70oB9FeyB9Jyrs6E-3Yw0o7KK8Arux4U91Oan?bkxuEexCEV_gi18g3yox5q

2-10-12	5-9-15	11-2-0	17-11-0	24-8-0
2-10-12	2-11-3	5-4-1	6-9-0	6-9-0

Scale = 1:42.1



2-8-0	2-10-12	11-2-0	17-11-0	24-8-0
2-8-0	0-2-12	8-3-4	6-9-0	6-9-0

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	0.87	Vert(LL)	-0.10	10-11	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.59	Vert(CT)	-0.21	10-11	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.79	Horz(CT)	0.02	7	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 141 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 4-7-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 4-8

REACTIONS. (size) 7=Mechanical, 11=0-5-8
Max Horz 11=303(LC 12)
Max Uplift 7=-418(LC 9), 11=-489(LC 12)
Max Grav 7=1115(LC 2), 11=1460(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-302/234, 2-3=-211/252, 3-4=-1235/463, 4-5=-977/430, 5-6=-977/430, 6-7=-1011/490
BOT CHORD 1-11=-165/301, 10-11=-530/839, 8-10=-482/1030
WEBS 3-10=-76/255, 5-8=-623/360, 6-8=-556/1258, 3-11=-1419/714

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=418, 11=489.

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
2432497	T67	Half Hip	1	1	T20989054
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:36:27 2020 Page 1
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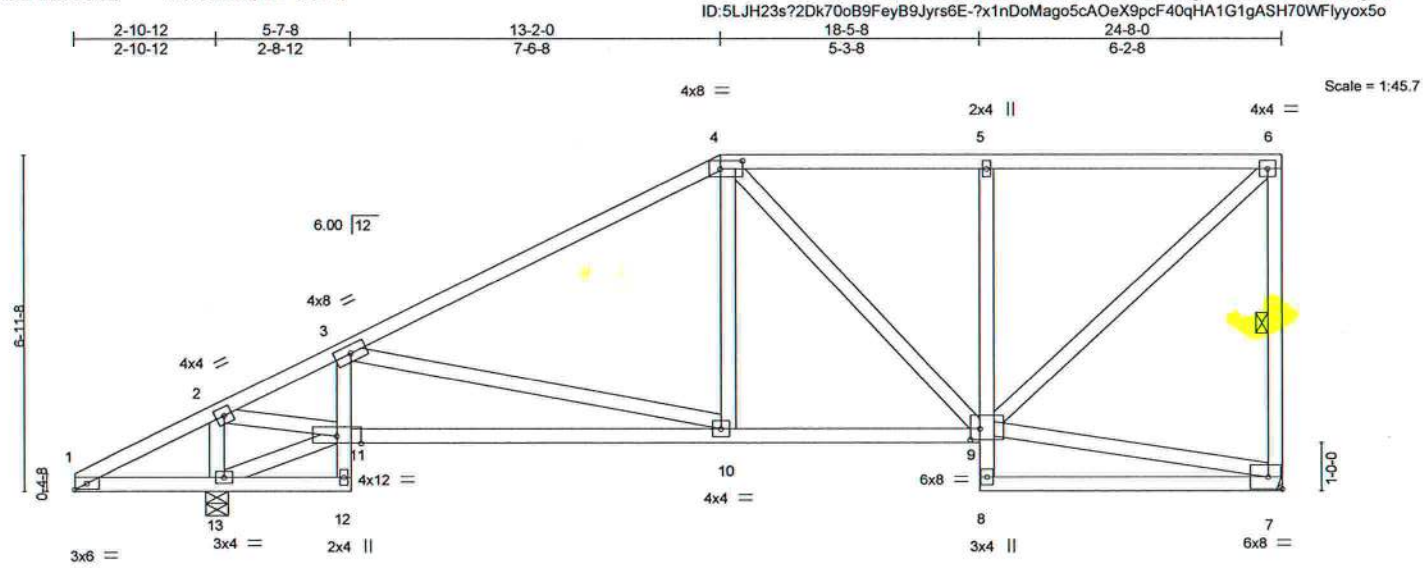


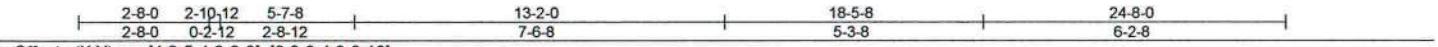


Plate Offsets (X,Y)-- [4:0-5-4,0-2-0], [9:0-2-4,0-2-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.88	Vert(LL)	-0.11	10-11	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.80	Vert(CT)	-0.25	10-11	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.70	Horz(CT)	0.07	7	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 158 lb	FT = 20%

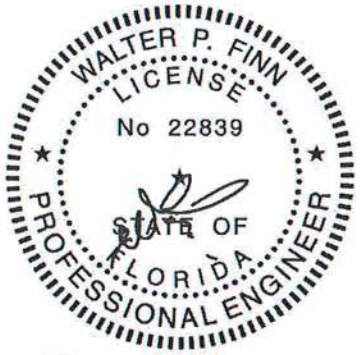
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
3-12,5-8: 2x4 SP No.3
WEBS 2x4 SP No.3

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

REACTIONS. (size) 7=Mechanical, 13=0-5-8
Max Horz 13=358(LC 12)
Max Uplift 7=-409(LC 9), 13=-478(LC 12)
Max Grav 7=1115(LC 2), 13=1460(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-276/297, 2-3=-1566/721, 3-4=-1355/506, 4-5=-880/414, 5-6=-880/417, 6-7=-1006/513
BOT CHORD 1-13=-228/287, 3-11=-257/138, 10-11=-1041/1577, 9-10=-544/1101, 5-9=-522/305
WEBS 2-13=-1177/637, 11-13=-357/0, 2-11=-809/1633, 3-10=-558/555, 4-10=-64/374, 4-9=-356/213, 6-9=-570/1197

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=409, 13=478.



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August 11,2020

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Job	Truss	Truss Type	Qty	Ply	
2432497	T68	Half Hip	1	1	T20989055
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:36:30 2020 Page 1
ID:5LJH23s?2Dk70oB9FeyB9Jyrs6E-QWjvrqOSzjTB1rM6qxAyieStDFG4tUPkqzlvMHyox5l

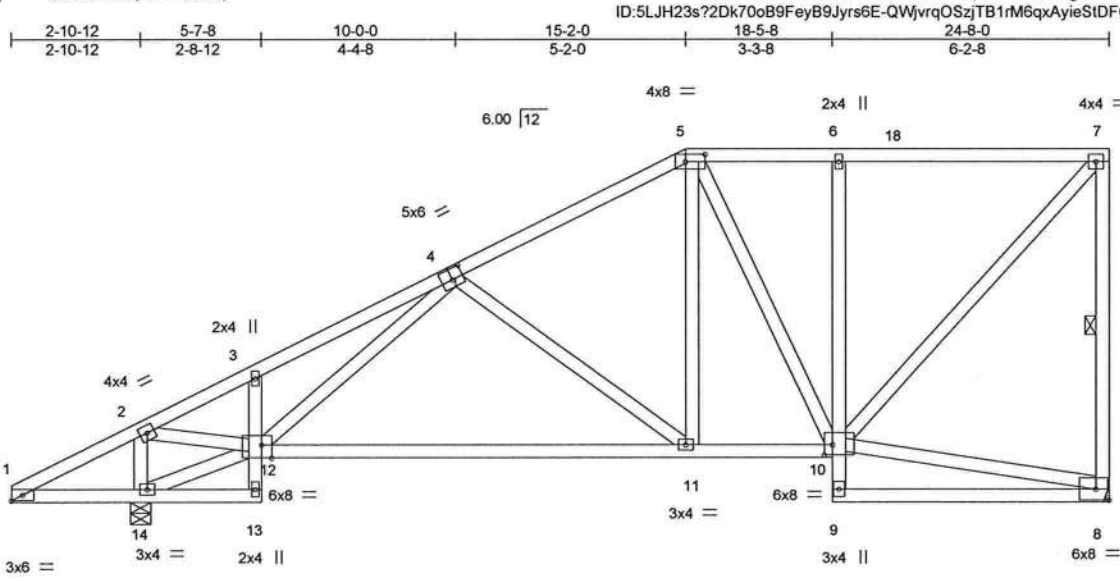

Plate Offsets (X,Y)-- [4:0-3-0,0-3-0], [5:0-5-4,0-2-0], [10:0-2-4,0-2-12], [12:0-2-12,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.51	Vert(LL)	-0.24	11-12	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.91	Vert(CT)	-0.51	11-12	>512	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.81	Horz(CT)	0.06	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 170 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
3-13,6-9: 2x4 SP No.3
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-5-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 7-8

REACTIONS. (size) 8=Mechanical, 14=0-5-8
Max Horz 14=412(LC 12)
Max Uplift 8=-398(LC 12), 14=-468(LC 12)
Max Grav 8=1115(LC 2), 14=1460(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-260/280, 2-3=-1445/631, 3-4=-1534/741, 4-5=-1119/442, 5-6=-733/372, 6-7=-738/375, 7-8=-999/539
BOT CHORD 1-14=-204/265, 3-12=-253/200, 11-12=-785/1257, 10-11=-461/929, 6-10=-455/265
WEBS 2-14=-1242/673, 12-14=-296/19, 2-12=-674/1480, 4-11=-455/407, 5-11=-185/599, 5-10=-464/206, 7-10=-558/1093

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=398, 14=468.

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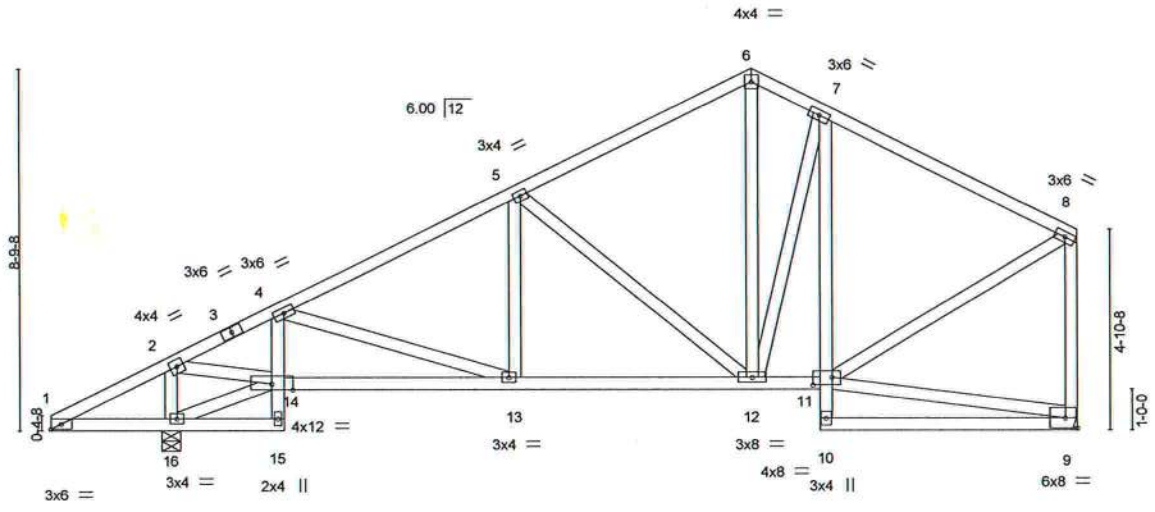
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
2432497	T69	Roof Special	1	1	T20989056
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:36:31 2020 Page 1
ID:5LJH23s?2Dk70oB9FeyB9Jyrs6E-uiHI3AP4k0b2f?xIOfhBEs_1fejfczgt2dUSujyox5k

2-10-12	5-7-8	11-2-0	16-10-0	18-5-8	24-8-0
2-10-12	2-8-12	5-6-8	5-8-0	1-7-8	6-2-8

Scale = 1:53.6



2-8-0	2-10-12	5-7-8	11-2-0	16-10-0	18-5-8	24-8-0
2-8-0	0-2-12	2-8-12	5-6-8	5-8-0	1-7-8	6-2-8

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

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	0.60	Vert(LL)	-0.05	13-14	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.50	Vert(CT)	-0.12	13-14	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.68	Horz(CT)	0.06	9	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 172 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
4-15,7-10: 2x4 SP No.3
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-5-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (size) 9=Mechanical, 16=0-5-8
Max Horz 16=338(LC 12)
Max Uplift 9=-329(LC 12), 16=-467(LC 12)
Max Grav 9=1115(LC 2), 16=1460(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-261/286, 2-4=-1535/661, 4-5=-1490/648, 5-6=-939/501, 6-7=-889/571, 7-8=-924/458, 8-9=-1005/521
BOT CHORD 1-16=-211/268, 13-14=-862/1473, 12-13=-602/1269, 11-12=-313/745, 7-11=-376/201
WEBS 2-16=-1195/661, 14-16=-371/72, 2-14=-729/1545, 4-13=-212/313, 5-13=-40/258, 5-12=-675/412, 6-12=-347/569, 8-11=-359/850

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=329, 16=467.

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Date:

August 11,2020

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	T20989057
2432497	T70	Hip	1	1	Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:36:32 2020 Page 1
ID:5LJH23s?2Dk70oB9FeyB9Jyrs6E-MvrgGWQjUKjuH9WVxMCQn3XCW23pLR70HHE0Q9yox5j

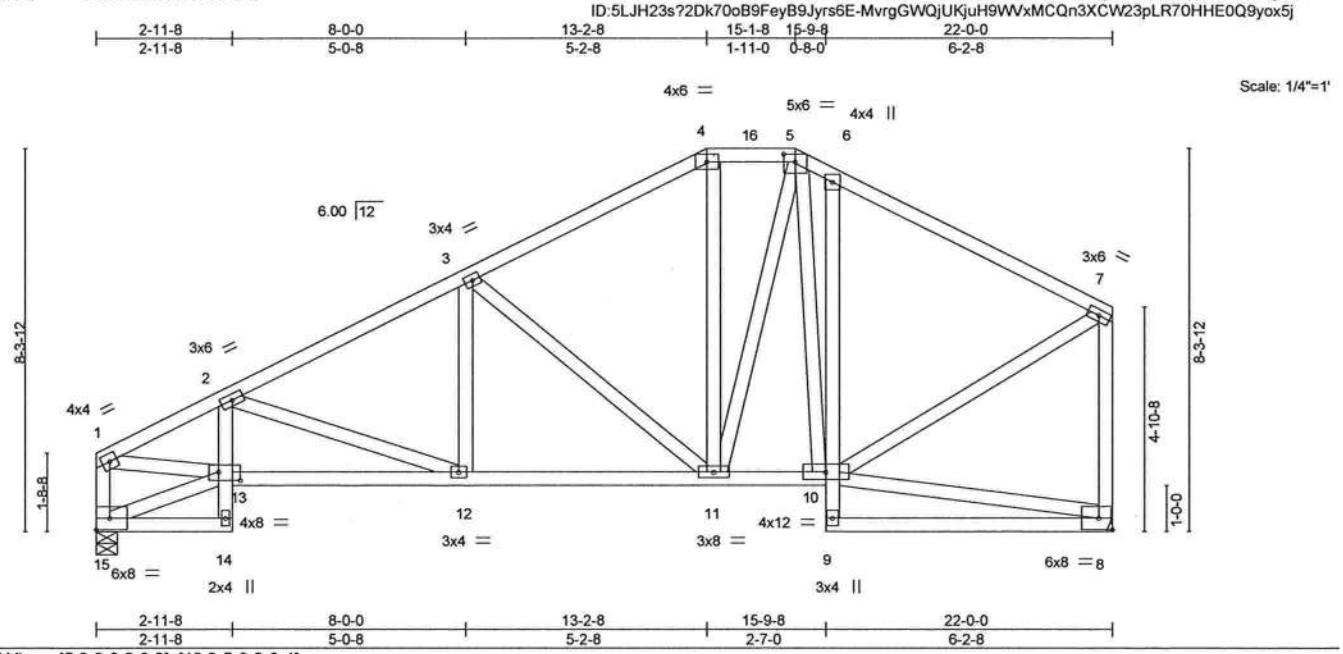

Plate Offsets (X,Y)-- [5:0-3-0,0-2-0], [13:0-5-8,0-2-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.59	Vert(LL)	-0.05	8-9	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.51	Vert(CT)	-0.11	12-13	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.60	Horz(CT)	0.06	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 172 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
2-14,6-9: 2x4 SP No.3
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-4-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-1-13 oc bracing: 12-13
7-2-15 oc bracing: 11-12.

REACTIONS. (size) 8=Mechanical, 15=0-5-8
Max Horz 15=251(LC 12)
Max Uplift 8=-331(LC 12), 15=-353(LC 12)
Max Grav 8=1140(LC 2), 15=1140(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1740/832, 2-3=-1596/720, 3-4=-1047/546, 4-5=-856/550, 5-6=-972/668, 6-7=-949/472, 1-15=-1078/531, 7-8=-1030/534
BOT CHORD 12-13=-935/1592, 11-12=-673/1362, 10-11=-298/753, 6-10=-538/445
WEBS 2-12=-270/292, 3-12=-54/279, 3-11=-666/423, 5-11=-227/452, 5-10=-268/231, 1-13=-708/1513, 7-10=-376/881

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=331, 15=353.

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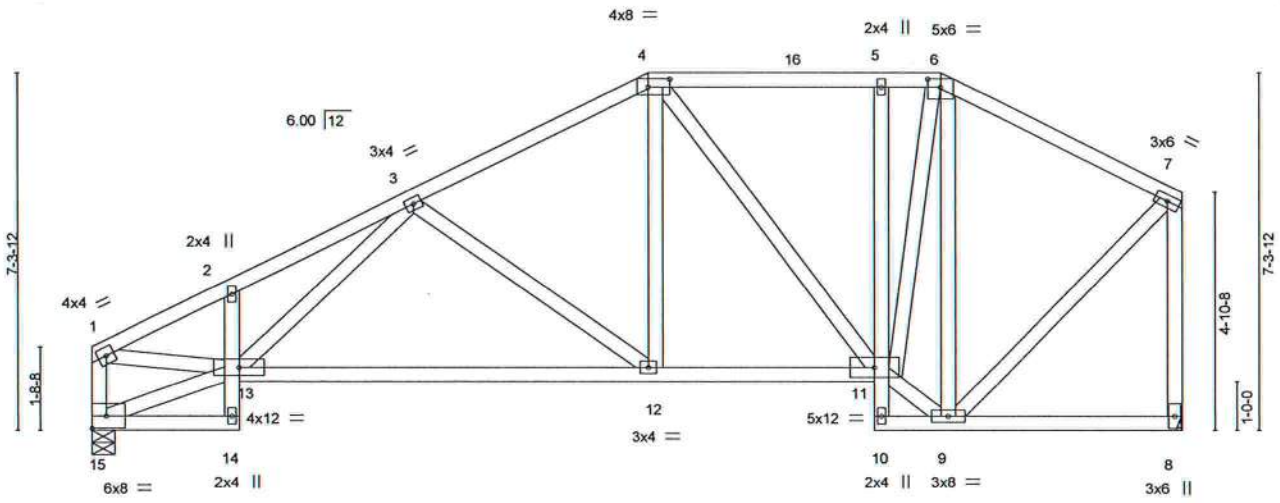
Job	Truss	Truss Type	Qty	Ply	
2432497	T71	Hip	1	1	T20989058
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:36:33 2020 Page 1
ID:5LJH23s?2Dk70oB9FeyB9Jyrs6E-q5P2UsQLFerluJ5hV4jfKH4OOSLA4rHAWxzZycyox5i

2-11-8	6-6-0	11-2-8	15-9-8	17-1-8	22-0-0
2-11-8	3-6-8	4-8-8	4-7-0	1-4-0	4-10-8

Scale = 1:45.1



2-11-8	6-6-0	11-2-8	15-9-8	17-1-8	22-0-0
2-11-8	3-6-8	4-8-8	4-7-0	1-4-0	4-10-8

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.52	Vert(LL)	-0.15	12-13	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.75	Vert(CT)	-0.33	12-13	>791	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.80	Horz(CT)	0.08	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 163 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
2-14,5-10: 2x4 SP No.3
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-3-2 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (size) 8=Mechanical, 15=0-5-8
Max Horz 15=227(LC 12)
Max Uplift 8=-325(LC 13), 15=-361(LC 12)
Max Grav 8=1140(LC 2), 15=1140(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1713/783, 2-3=-1779/887, 3-4=-1270/595, 4-5=-828/487, 5-6=-815/480, 6-7=-759/363, 1-15=-1103/524, 7-8=-1072/515
BOT CHORD 12-13=-744/1393, 11-12=-451/1077, 5-11=-277/181
WEBS 3-13=-170/256, 3-12=-435/372, 4-12=-178/546, 4-11=-421/203, 9-11=-272/697, 6-11=-418/966, 6-9=-865/432, 1-13=-657/1482, 7-9=-336/849

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=325, 15=361.

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Job	Truss	Truss Type	Qty	Ply	T20989059
2432497	T72	Roof Special	1	1	Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:36:35 2020 Page 1
ID:5LJH23s?2Dk70oB9FeyB9Jyrs6E-mUWovXSbnF5T8dF4dVm7Pi9mGG1mYpWTzFSg1Uyox5g

2-11-8	6-6-0	10-8-0	12-1-8	15-9-8	19-1-8	22-0-0
2-11-8	3-6-8	4-2-0	1-5-8	3-8-0	3-4-0	2-10-8

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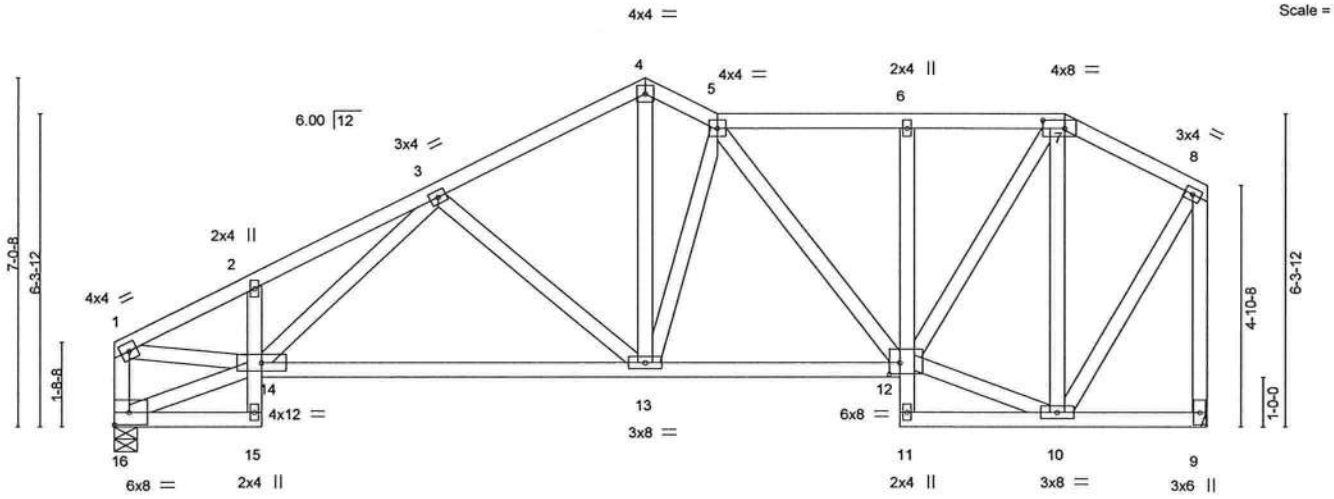

2-11-8	10-8-0	15-9-8	19-1-8	22-0-0
2-11-8	7-8-8	5-1-8	3-4-0	2-10-8

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.36	Vert(LL)	-0.11	13-14	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.68	Vert(CT)	-0.25	13-14	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.56	Horz(CT)	0.07	9	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 165 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
2-15,6-11: 2x4 SP No.3
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-3-13 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (size) 9=Mechanical, 16=0-5-8
Max Horz 16=221(LC 12)
Max Uplift 9=-373(LC 13), 16=-327(LC 12)
Max Grav 9=1140(LC 2), 16=1140(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1707/786, 2-3=-1773/898, 3-4=-1321/624, 4-5=-1255/645, 5-6=-998/515, 6-7=-988/511, 7-8=-578/273, 1-16=-1097/525, 8-9=-1095/502
BOT CHORD 2-14=-252/206, 13-14=-738/1394, 12-13=-548/1228, 6-12=-323/188
WEBS 3-13=-405/339, 4-13=-404/891, 5-13=-429/242, 5-12=-384/190, 10-12=-175/439, 7-12=-446/986, 7-10=-791/394, 1-14=-660/1478, 8-10=-369/894

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=373, 16=327.

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August 11,2020

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Job	Truss	Truss Type	Qty	Ply	
2432497	T73	Roof Special	1	1	T20989060
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:36:38 2020 Page 1
ID:5LJH23s?2Dk70oB9FeyB9Jyrs6E-B3CxXZUT4AT2?4zfldJq1KnFzT3JlAEvfDhKepyox5d

2-11-8	6-6-0	10-8-0	14-1-8	15-9-8	21-1-8	22-0-0
2-11-8	3-6-8	4-2-0	3-5-8	1-8-0	5-4-0	0-10-8

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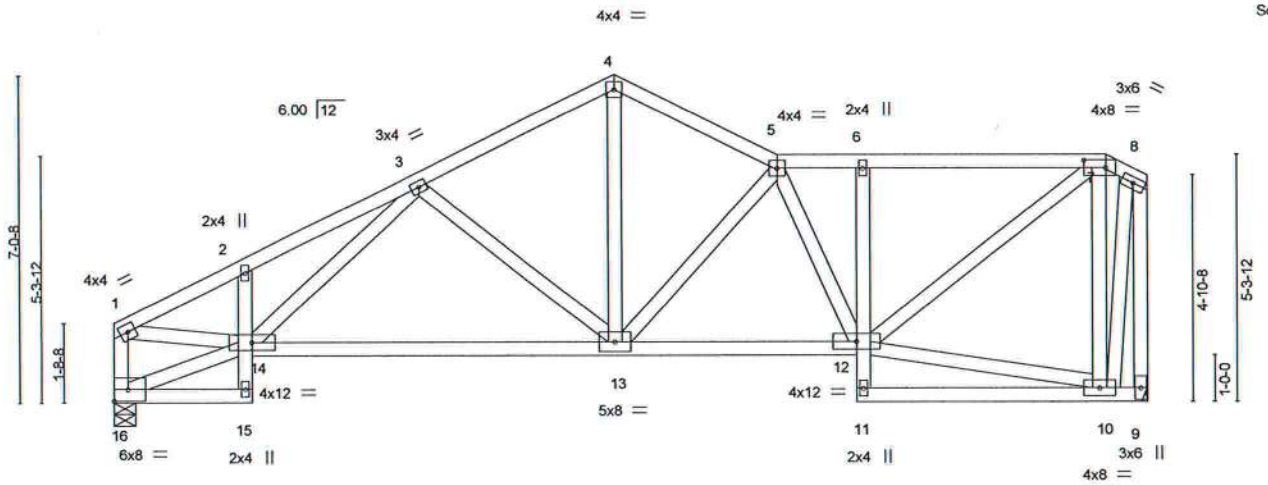


2-11-8	10-8-0	14-1-8	15-9-8	21-1-8	22-0-0
2-11-8	7-8-8	3-5-8	1-8-0	5-4-0	0-10-8

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

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	0.46	Vert(LL)	-0.12	13-14	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.69	Vert(CT)	-0.27	13-14	>965	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.56	Horz(CT)	0.07	9	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 162 lb	FT = 20%

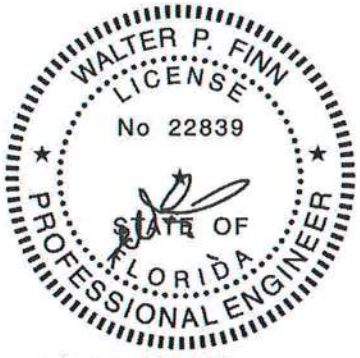
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
2-15,6-11: 2x4 SP No.3
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-3-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (size) 9=Mechanical, 16=0-5-8
Max Horz 16=221(LC 12)
Max Uplift 9=-373(LC 13), 16=-327(LC 12)
Max Grav 9=1140(LC 2), 16=1140(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1708/790, 2-3=-1776/903, 3-4=-1315/626, 4-5=-1296/633, 5-6=-1252/586, 6-7=-1252/589, 1-16=-1098/527, 8-9=-1128/429
BOT CHORD 2-14=-253/207, 13-14=-742/1393, 12-13=-645/1403, 6-12=-372/219
WEBS 3-13=-409/338, 4-13=-359/845, 5-13=-444/239, 5-12=-368/200, 7-12=-627/1357, 7-10=-972/507, 1-14=-665/1479, 8-10=-408/1047

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=373, 16=327.



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Date:
August 11,2020

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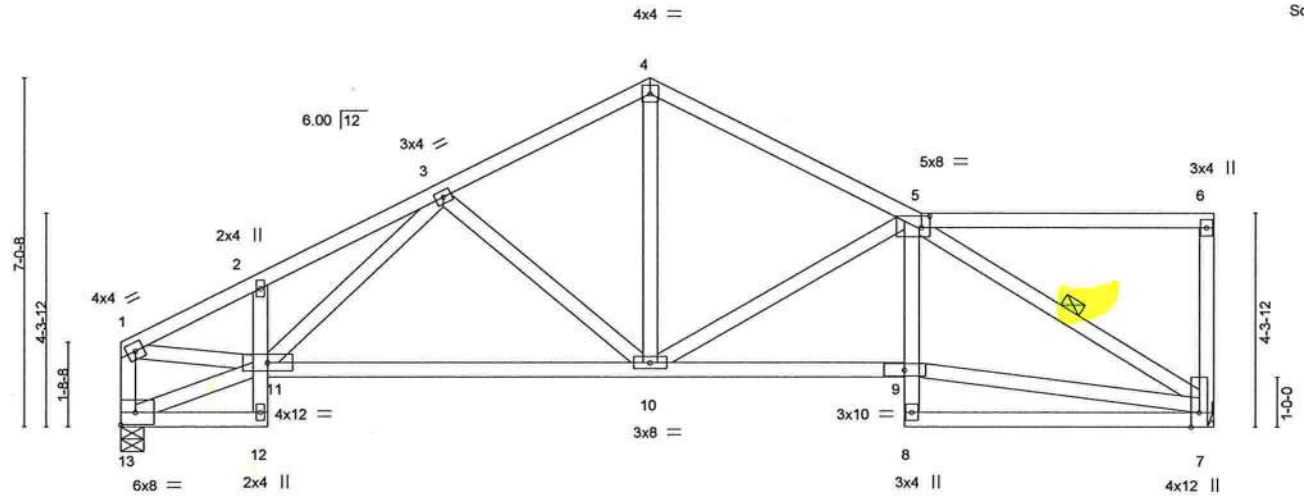
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	T20989061
2432497	T74	Roof Special	1	1	Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:36:39 2020 Page 1
ID:5LJH23s?2Dk70oB9FeyB9Jyrs6E-fFmJkvV6rUbvdEYrsKq3ZYJPetOLUdU2utQtAFyox5c

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

Scale = 1:44.8



2-11-8	10-8-0	15-9-8	22-0-0
2-11-8	7-8-8	5-1-8	6-2-8

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.53	Vert(LL)	-0.11	10-11	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.71	Vert(CT)	-0.26	10-11	>995	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.56	Horz(CT)	0.10	7	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 143 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
2-12,5-8: 2x4 SP No.3
WEBS 2x4 SP No.3

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

REACTIONS. (size) 7=Mechanical, 13=0-5-8
Max Horz 13=202(LC 12)
Max Uplift 7=-366(LC 13), 13=-331(LC 12)
Max Grav 7=1140(LC 2), 13=1140(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1707/785, 2-3=-1776/900, 3-4=-1325/646, 4-5=-1346/628, 1-13=-1097/524
BOT CHORD 2-11=-258/211, 10-11=-710/1392, 9-10=-740/1637, 5-9=-82/402
WEBS 3-10=-401/319, 4-10=-317/794, 5-10=-591/308, 7-9=-668/1406, 5-7=-1885/859, 1-11=-660/1478

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=366, 13=331.

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Job	Truss	Truss Type	Qty	Ply	T20989062
2432497	T76	Hip Girder	1	1	Job Reference (optional)

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ID:5LJH23s?2Dk70oB9FeyB9Jyrs6E-7RKhyFWkcnjmEO71P2LI6lscdHtsD8HC7XARiiyox5b

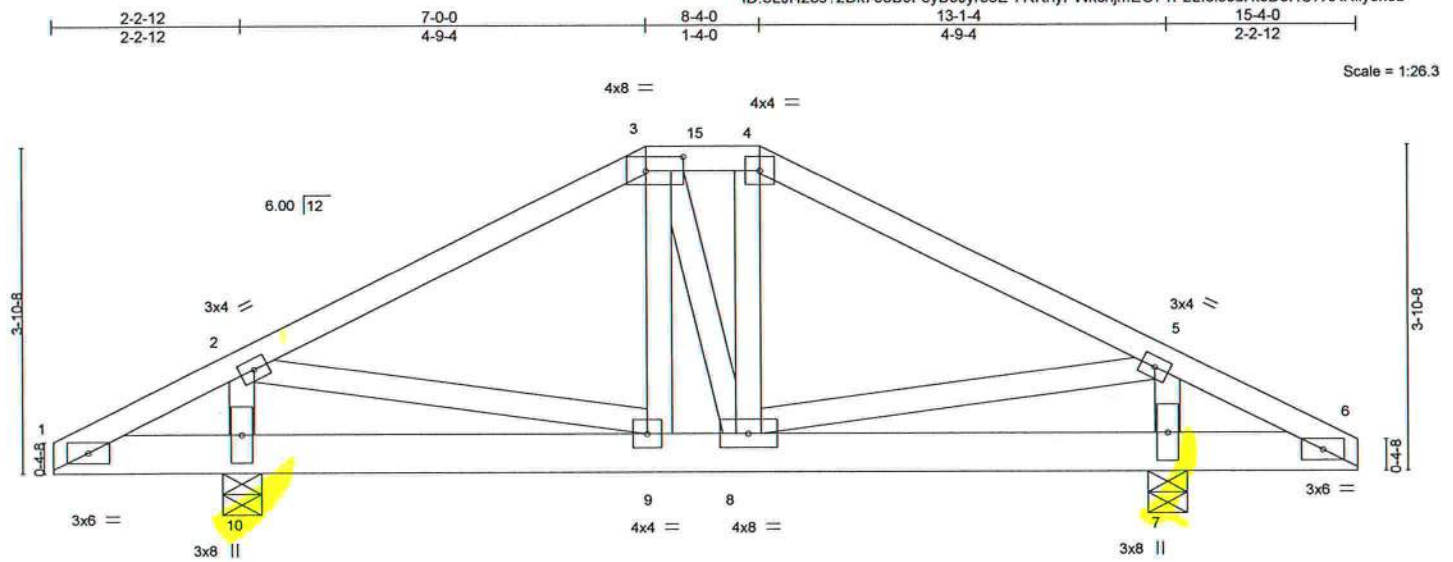

Plate Offsets (X,Y)-- [3:0-5-4,0-2-0]

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	0.39	Vert(LL)	0.02	9	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.11	Vert(CT)	-0.02	8	>999	180		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.27	Horz(CT)	-0.00	7	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 92 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing, Except:
9-5-12 oc bracing: 8-9.

REACTIONS. (size) 10=0-5-8, 7=0-5-8
Max Horz 10=82(LC 12)
Max Uplift 10=-647(LC 8), 7=-639(LC 9)
Max Grav 10=933(LC 2), 7=932(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-707/726, 3-4=-560/699, 4-5=-709/743
BOT CHORD 8-9=-604/599
WEBS 2-9=-552/578, 5-8=-571/582, 2-10=-780/651, 5-7=-777/648

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; cantilever left and right exposed ; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, 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=647, 7=639.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 94 lb down and 110 lb up at 7-0-0, and 165 lb down and 172 lb up at 8-4-0 on top chord, and 156 lb down and 309 lb up at 7-0-0, and 156 lb down and 309 lb up at 8-3-4 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: 1-3=-80, 3-4=-80, 4-6=-80, 1-6=-20
Concentrated Loads (lb)
Vert: 3=-72(F) 4=-76(F) 9=-41(F) 8=-41(F)

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Job	Truss	Truss Type	Qty	Ply	
2432497	T77	Common	1	1	T20989063
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:36:41 2020 Page 1
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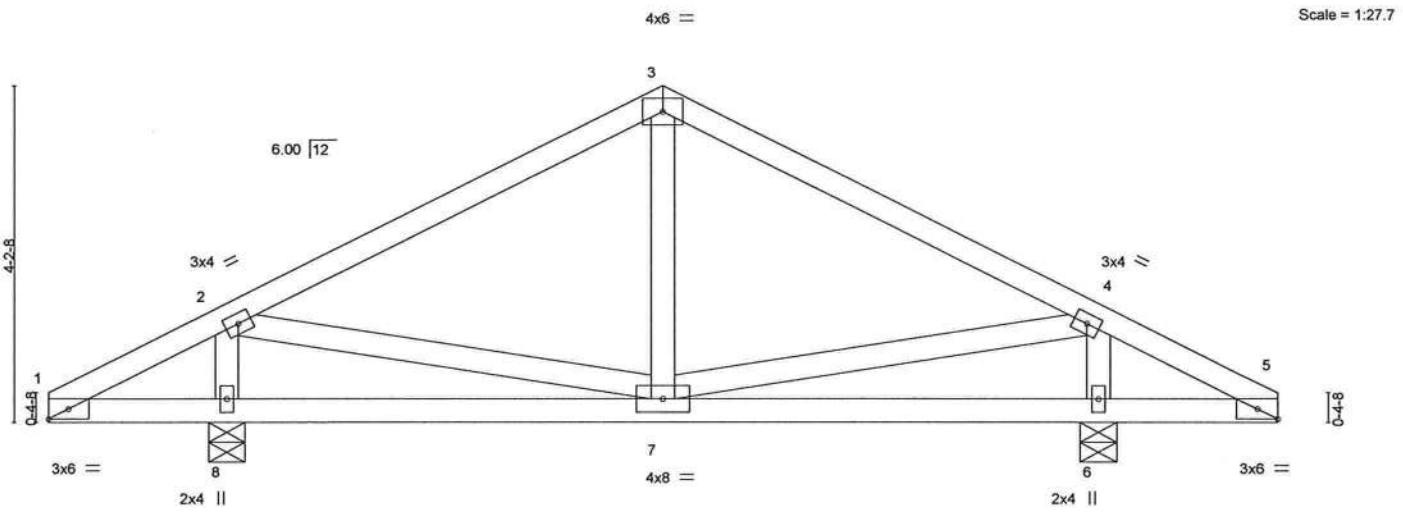

Plate Offsets (X,Y)-- [5:0-2-15,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.43	Vert(LL)	0.04	6-7	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.26	Vert(CT)	-0.03	6-7	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.21	Horz(CT)	-0.00	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 72 lb	FT = 20%

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

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

REACTIONS. (size) 8=0-5-8, 6=0-5-8
Max Horz 8=-90(LC 13)
Max Uplift 8=-262(LC 12), 6=-262(LC 13)
Max Grav 8=805(LC 2), 6=805(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-515/547, 3-4=-515/547
WEBS 2-7=-364/405, 2-8=-688/615, 4-7=-364/405, 4-6=-688/615

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=262, 6=262.

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Job	Truss	Truss Type	Qty	Ply	T20989064
2432497	T78	Common	3	1	Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:36:42 2020 Page 1
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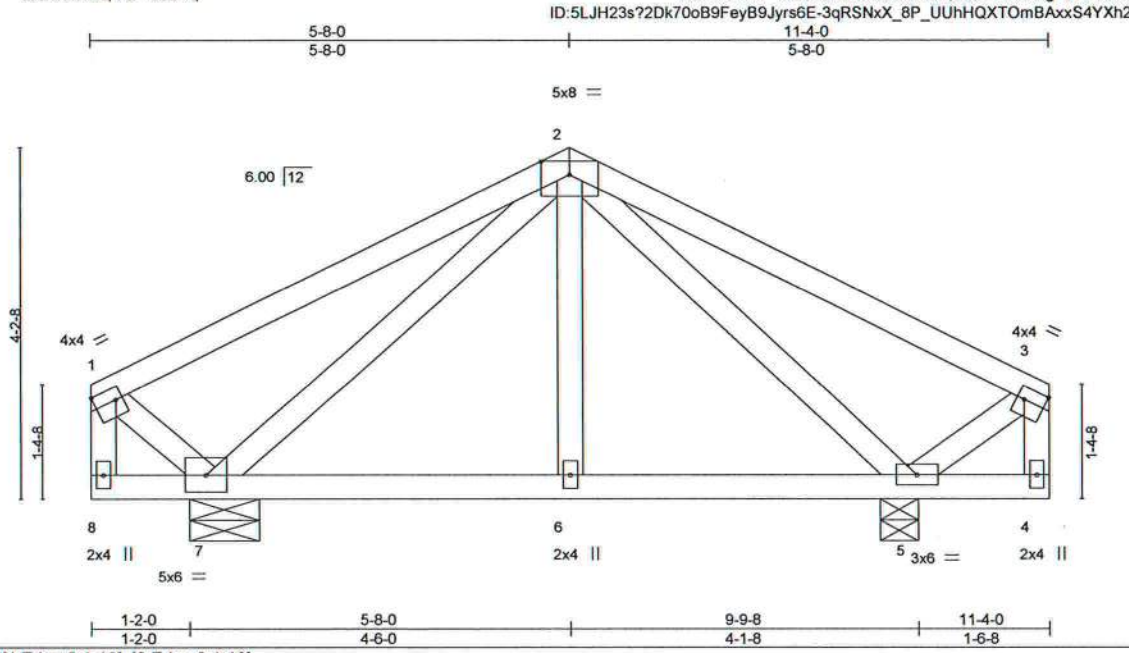


Plate Offsets (X,Y)-- [1:Edge,0-1-12], [3:Edge,0-1-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.50	Vert(LL)	0.02	6-7	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.16	Vert(CT)	-0.01	6-7	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.27	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 65 lb	FT = 20%

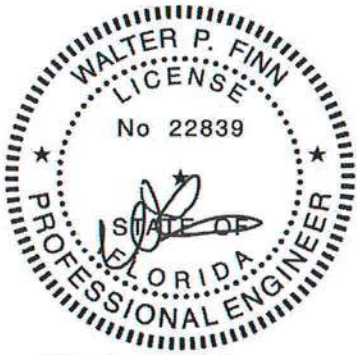
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

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

REACTIONS. (size) 7=0-10-0, 5=0-5-8
Max Horz 7=-65(LC 17)
Max Uplift 7=-180(LC 8), 5=-189(LC 9)
Max Grav 7=566(LC 2), 5=593(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-7=-428/409, 2-6=-272/166, 2-5=-469/464, 1-7=-264/220, 3-5=-278/251

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=180, 5=189.



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Job	Truss	Truss Type	Qty	Ply	
2432497	T79	Hip Girder	1	1	T20989065
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:36:43 2020 Page 1
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-2-0-0	4-2-7	7-7-0	8-5-0	13-5-0	18-5-0	18-10-0	21-3-12	24-2-8	26-0-0	28-0-0
2-0-0	4-2-7	3-4-9	0-10-0	5-0-0	5-0-0	0-5-0	2-5-12	2-10-12	1-9-8	2-0-0

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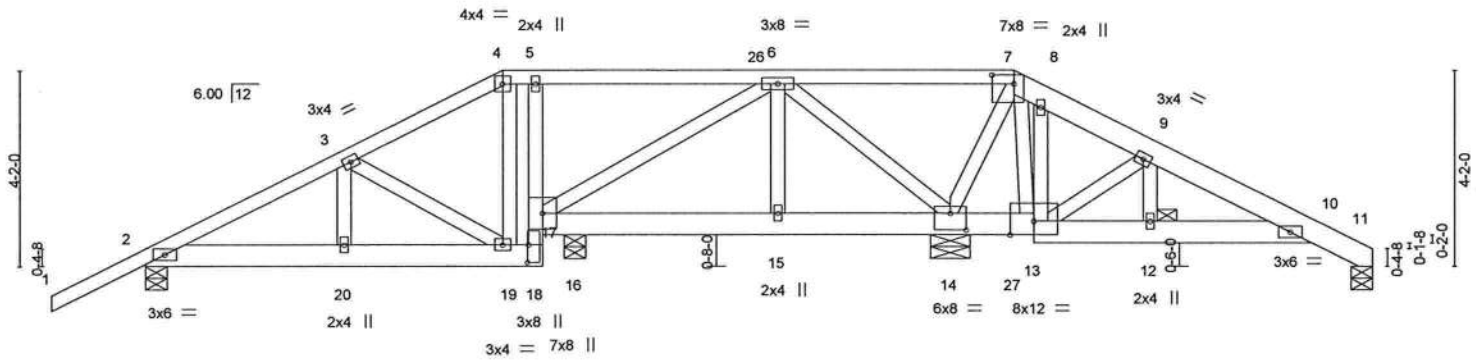

4-2-7	7-7-0	8-5-0	8-10-8	13-5-0	17-1-0	18-10-0	21-3-12	24-2-8	26-0-0
4-2-7	3-4-9	0-10-0	0-5-8	4-6-8	3-8-0	1-9-0	2-5-12	2-10-12	1-9-8

Plate Offsets (X,Y)-- [7:0-5-8,0-2-4], [14:0-4-0,0-4-4], [18:0-4-8,0-0-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.59	Vert(LL)	0.03	19-20	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.71	Vert(CT)	-0.06	19-20	>999	180		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.41	Horz(CT)	0.01	11	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 165 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2 *Except* 7-11: 2x6 SP No.2
BOT CHORD 2x6 SP No.2 *Except* 5-18: 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-2-10 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): 12

REACTIONS. All bearings 0-5-8 except (jt=length) 14=0-10-0.
(lb) - Max Horz 2=136(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) except 11=-147(LC 9), 2=-407(LC 8), 14=-1108(LC 9), 16=-550(LC 8)
Max Grav All reactions 250 lb or less at joint(s) except 11=318(LC 22), 2=888(LC 21), 14=2441(LC 2), 16=1257(LC 21)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1234/554, 3-4=-711/407, 4-5=-596/408, 5-6=-540/382, 6-7=-217/727, 7-8=-87/353, 8-9=-150/322, 9-10=-366/210
BOT CHORD 2-20=-514/1061, 19-20=-514/1061, 18-19=-294/596, 17-18=-399/839, 5-17=-504/287, 13-14=-262/236, 12-13=-113/328, 10-12=-113/328
WEBS 3-20=-32/259, 3-19=-564/270, 6-17=-374/652, 6-14=-909/376, 7-14=-1346/689, 8-13=-127/256, 7-13=-404/732, 9-13=-522/263, 4-19=-270/461

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Bearing at joint(s) 11 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 147 lb uplift at joint 11, 407 lb uplift at joint 2, 1108 lb uplift at joint 14 and 550 lb uplift at joint 16.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1014 lb down and 587 lb up at 7-7-0, and 1020 lb down and 601 lb up at 18-5-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	T20989065
2432497	T79	Hip Girder	1	1	Job Reference (optional)

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-4=-80, 4-7=-80, 7-10=-80, 10-11=-102, 2-18=-20, 17-23=-20
   Concentrated Loads (lb)
   Vert: 19=-959(F) 27=-965(F)

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Job	Truss	Truss Type	Qty	Ply	T20989066
2432497	T80	Hip	1	1	Job Reference (optional)

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-2-0-0	4-5-0	8-5-0	9-7-0	16-5-0	17-6-0	18-10-0	22-0-0	24-2-8	26-0-0	28-0-0
2-0-0	4-5-0	4-0-0	1-2-0	6-10-0	1-1-0	1-4-0	3-2-0	2-2-8	1-9-8	2-0-0

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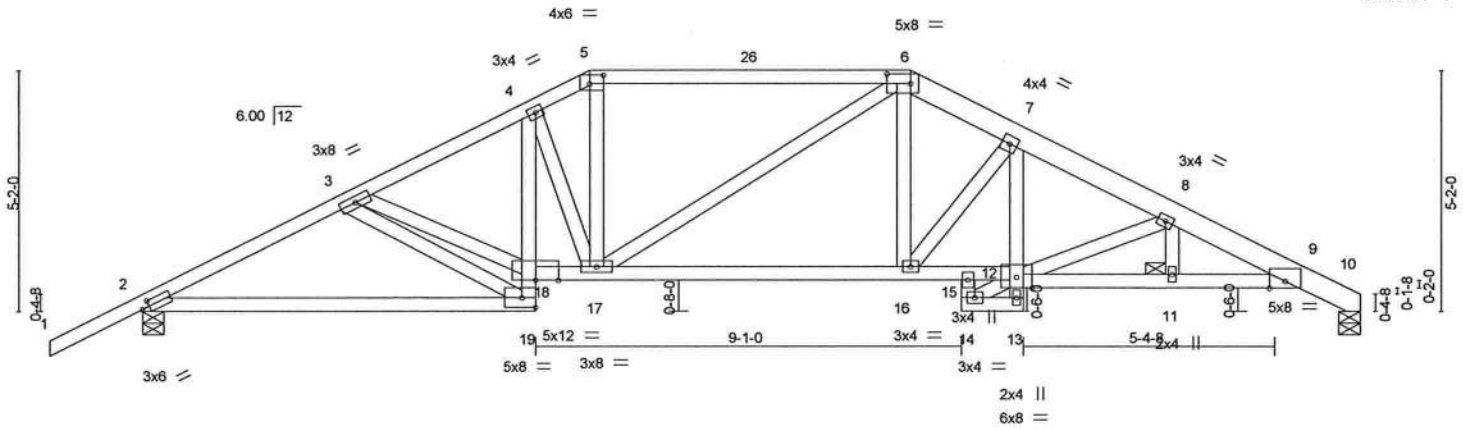

8-5-0	9-7-0	16-5-0	17-6-0	18-10-0	22-0-0	24-2-8	26-0-0
8-5-0	1-2-0	6-10-0	1-1-0	1-4-0	3-2-0	2-2-8	1-9-8

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.99	Vert(LL)	-0.13	19-22	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.88	Vert(CT)	-0.31	19-22	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.69	Horz(CT)	0.16	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 157 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2 *Except*
6-10: 2x6 SP M 26
BOT CHORD 2x4 SP No.2 *Except*
14-15,7-13: 2x4 SP No.3, 9-12: 2x4 SP M 31
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): 11

REACTIONS. (size) 10=0-5-8, 2=0-5-8
Max Horz 2=160(LC 12)
Max Uplift 10=-423(LC 13), 2=-507(LC 12)
Max Grav 10=1335(LC 2), 2=1498(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2399/1046, 3-4=-2366/1022, 4-5=-2175/995, 5-6=-1984/931, 6-7=-2215/992, 7-8=-2588/1110, 8-9=-3226/1353, 9-10=-592/260
BOT CHORD 2-19=-850/2110, 18-19=-380/982, 4-18=-131/271, 17-18=-727/2084, 16-17=-648/1975, 15-16=-817/2245, 12-15=-760/2100, 7-12=-147/352, 11-12=-1188/2988, 9-11=-1187/2986
WEBS 3-19=-1671/787, 3-18=-594/1488, 4-17=-370/240, 5-17=-223/621, 6-16=-212/640, 7-16=-478/280, 8-12=-789/398

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Bearing at joint(s) 10 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 423 lb uplift at joint 10 and 507 lb uplift at joint 2.

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Job	Truss	Truss Type	Qty	Ply	
2432497	T81	Hip	1	1	T20989067
					Job Reference (optional)

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-2-0-0	2-5-11	4-5-8	7-5-8	11-7-0	14-5-0	17-6-0	18-10-0	22-0-0	24-2-8	26-0-0	28-0-0
2-0-0	2-5-11	1-11-13	3-0-0	4-1-8	2-10-0	3-1-0	1-4-0	3-2-0	2-2-8	1-9-8	2-0-0

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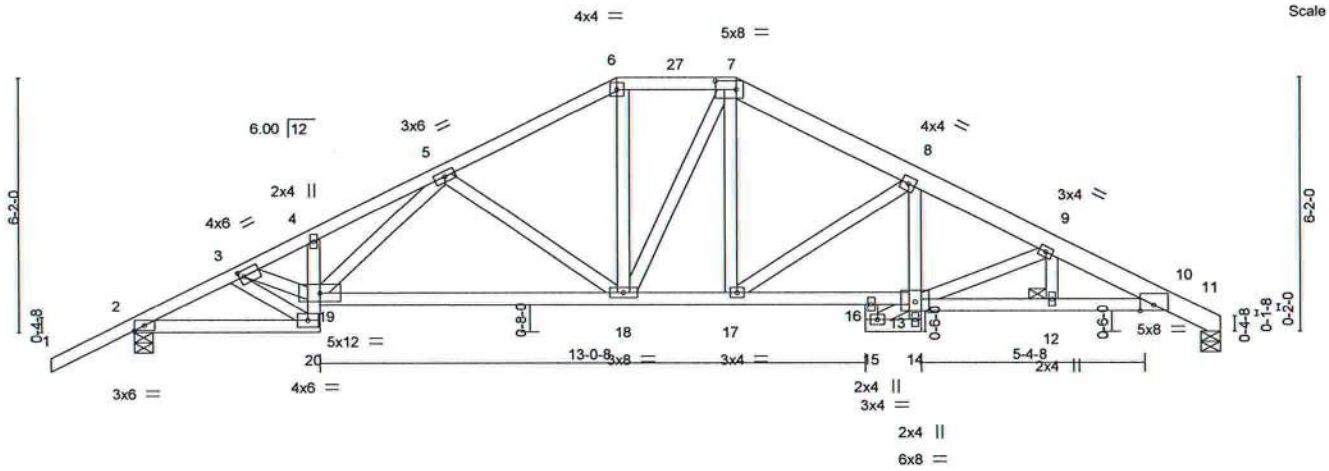

4-5-8	11-7-0	14-5-0	17-6-0	18-10-0	22-0-0	24-2-8	26-0-0
4-5-8	7-1-8	2-10-0	3-1-0	1-4-0	3-2-0	2-2-8	1-9-8

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.41	Vert(LL)	-0.18	18-19	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.85	Vert(CT)	-0.43	18-19	>724	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.96	Horz(CT)	0.18	11	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 161 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2 *Except*
7-11: 2x6 SP M 26
BOT CHORD 2x4 SP No.2 *Except*
15-16,8-14: 2x4 SP No.3, 10-13: 2x4 SP M 31
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-0-4 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): 12

REACTIONS. (size) 11=0-5-8, 2=0-5-8
Max Horz 2=183(LC 12)
Max Uplift 11=-418(LC 13), 2=-503(LC 12)
Max Grav 11=1335(LC 2), 2=1498(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2484/1053, 3-4=-3203/1340, 4-5=-3439/1491, 5-6=-1937/888, 6-7=-1683/849, 7-8=-1921/892, 8-9=-2619/1148, 9-10=-3206/1368, 10-11=-592/264
BOT CHORD 2-20=-868/2153, 19-20=-455/1261, 4-19=-261/195, 18-19=-855/2247, 17-18=-506/1655, 16-17=-866/2316, 13-16=-810/2173, 8-13=-132/477, 12-13=-1199/2970, 10-12=-1199/2967
WEBS 3-20=-2055/805, 3-19=-946/2510, 5-18=-720/445, 6-18=-230/607, 7-17=-255/561, 8-17=-815/442, 9-13=-729/363, 13-15=-66/301, 5-19=-438/1141

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Bearing at joint(s) 11 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 418 lb uplift at joint 11 and 503 lb uplift at joint 2.

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August 11,2020

Job	Truss	Truss Type	Qty	Ply	
2432497	T82	Roof Special	1	1	T20989068
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:36:49 2020 Page 1
ID:5LJH23s?2Dk70oB9FeyB9Jyrs6E-MAN5rKdNUYsUpmJmRR0Pzfk9kvlpq1kXBRrPXgyox5S

-2-0-0	2-5-11	4-5-8	8-8-12	13-0-0	17-6-0	21-6-1	26-0-0	28-0-0
2-0-0	2-5-11	1-11-13	4-3-4	4-3-4	4-6-0	4-0-1	4-5-15	2-0-0

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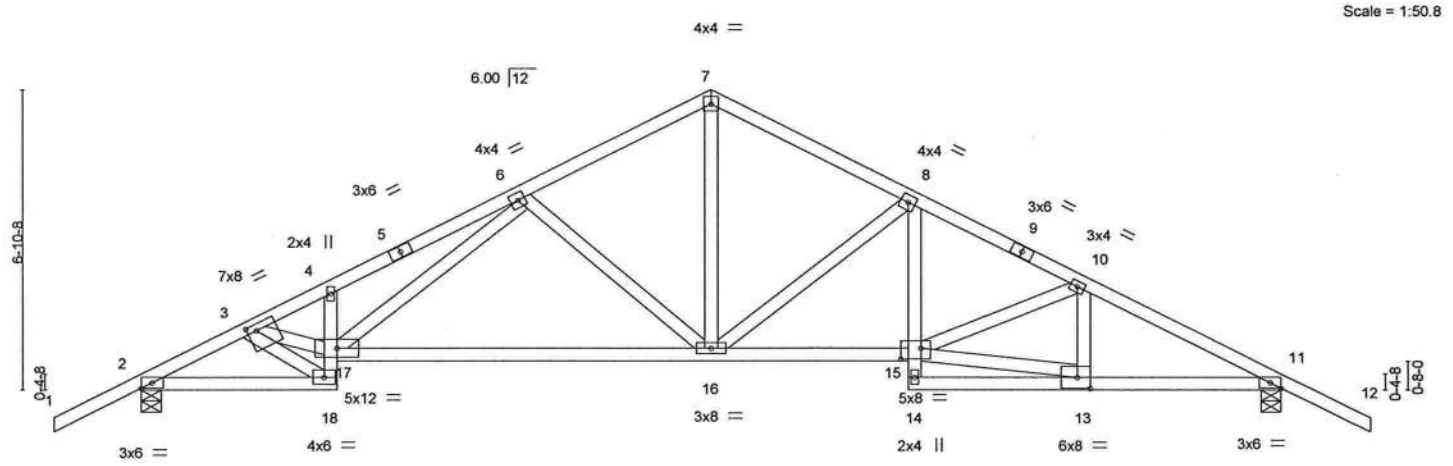

4-5-8	13-0-0	17-6-0	21-6-1	26-0-0
4-5-8	8-8-8	4-6-0	4-0-1	4-5-15

Plate Offsets (X,Y)– [3:0-2-8,0-1-12], [11:0-2-15,Edge], [13:0-3-8,0-3-0], [15:0-5-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.43	Vert(LL)	-0.24	16-17	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.95	Vert(CT)	-0.56	16-17	>556	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.96	Horz(CT)	0.15	11	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 150 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
8-14: 2x4 SP No.3
WEBS 2x4 SP No.3

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

REACTIONS. (size) 2=0-5-8, 11=0-5-8
Max Horz 2=176(LC 12)
Max Uplift 2=-500(LC 12), 11=-500(LC 13)
Max Grav 2=1505(LC 2), 11=1505(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2489/1054, 3-4=-3247/1319, 4-6=-3534/1510, 6-7=-1787/833, 7-8=-1790/829, 8-10=-2434/1066, 10-11=-2483/1039
BOT CHORD 2-18=-772/2167, 17-18=-340/1130, 4-17=-357/269, 16-17=-696/2070, 15-16=-721/2154, 8-15=-151/457, 13-14=-93/276, 11-13=-794/2161
WEBS 3-18=-2003/665, 3-17=-861/2530, 6-17=-536/1394, 6-16=-715/454, 7-16=-525/1242, 8-16=-786/459, 13-15=-712/1914, 10-13=-272/170

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 500 lb uplift at joint 2 and 500 lb uplift at joint 11.

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August 11,2020

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
2432497	T83	Roof Special Girder	1	1	T20989069

Job Reference (optional)

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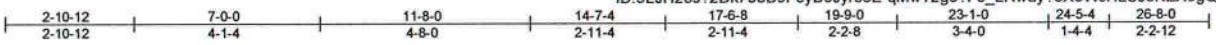

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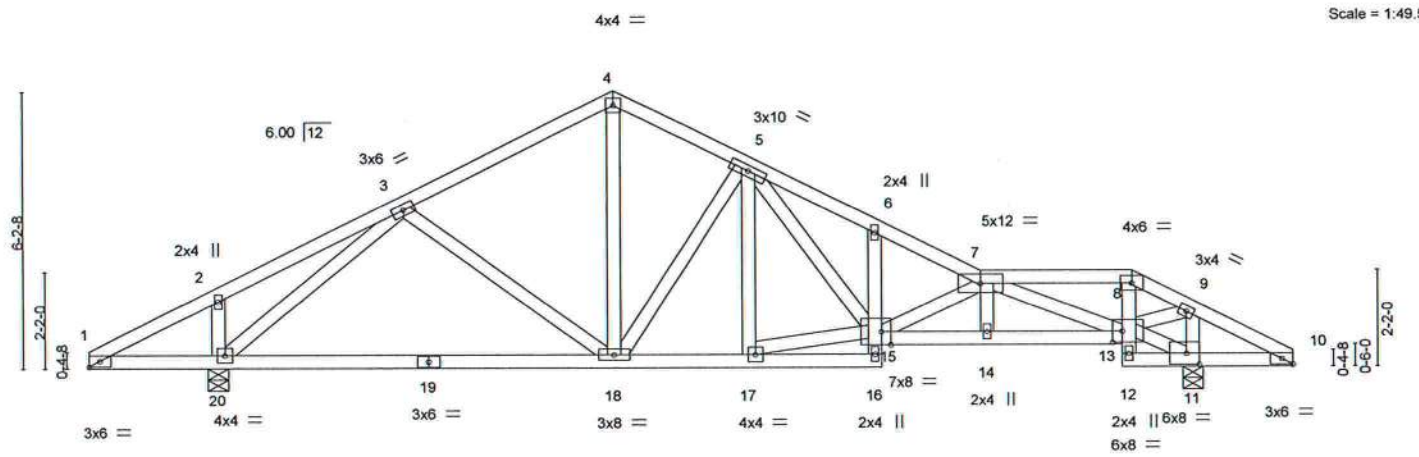


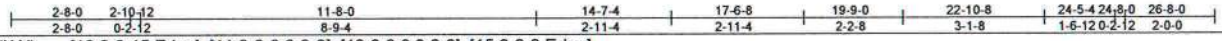


Plate Offsets (X,Y)-- [10:0-2-15,Edge], [11:0-3-8,0-3-0], [13:0-2-8,0-3-0], [15:0-2-8,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.37	Vert(LL)	-0.12	18-20	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.74	Vert(CT)	-0.27	18-20	>952	180		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.78	Horz(CT)	0.07	11	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 155 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
6-16,8-12: 2x4 SP No.3
WEBS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-11-5 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

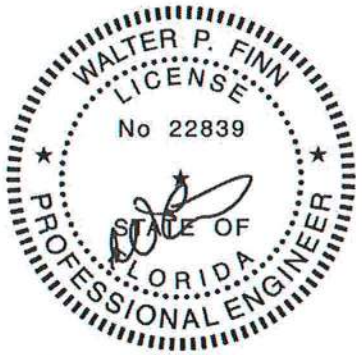
REACTIONS. (size) 20=0-5-8, 11=0-5-8
Max Horz 20=137(LC 12)
Max Uplift 20=-449(LC 8), 11=-525(LC 9)
Max Grav 20=1430(LC 2), 11=1238(LC 40)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-1147/416, 4-5=-1113/409, 5-6=-2118/806, 6-7=-2161/746, 7-8=-894/407, 8-9=-936/405
BOT CHORD 18-20=-325/961, 17-18=-282/1259, 16-17=-75/306, 14-15=-851/2596, 13-14=-847/2602, 8-13=-80/301
WEBS 2-20=-288/218, 3-20=-1351/407, 4-18=-252/699, 5-18=-556/341, 15-17=-221/968, 5-15=-434/1053, 7-15=-798/359, 7-13=-2011/623, 9-13=-397/1061, 9-11=-1050/461

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; cantilever left and right exposed ; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 449 lb uplift at joint 20 and 525 lb uplift at joint 11.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 93 lb down and 191 lb up at 23-1-0 on top chord, and 72 lb down and 178 lb up at 23-0-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-80, 4-7=-80, 7-8=-80, 8-10=-80, 16-21=-20, 13-15=-20, 12-24=-20
Concentrated Loads (lb)
Vert: 8=107(F) 13=101(F)



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August 11,2020

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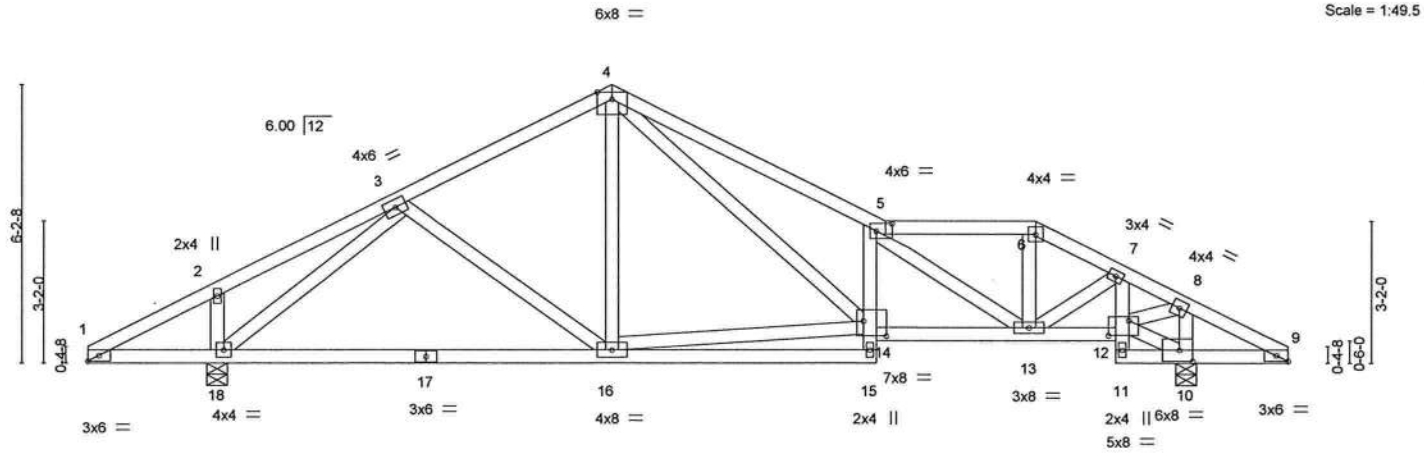
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	T20989070
2432497	T84	Roof Special	1	1	Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:36:52 2020 Page 1
ID:5LJH23s?2Dk70oB9FeyB9Jyrs6E-ml2ETLfFnTE3gE2L6ZZ6bHMWR6sj1SeztO437?yox5P

2-10-12	7-0-0	11-8-0	17-9-0	21-1-0	22-10-8	24-5-4	26-8-0
2-10-12	4-1-4	4-8-0	6-1-0	3-4-0	1-9-8	1-6-12	2-2-12

Scale = 1:49.5



2-8-0	2-10-12	11-8-0	17-6-8	21-1-0	22-10-8	24-5-4	24-8-0	26-8-0
2-8-0	0-2-12	8-9-4	5-10-8	3-6-8	1-9-8	1-6-12	0-2-12	2-0-0

Plate Offsets (X,Y)-- [5:0-4-4,0-2-0], [9:0-2-15,Edge], [10:0-3-8,0-3-0], [12:0-5-8,0-4-0], [14:0-6-4,0-4-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.98	Vert(LL)	-0.11	16-18	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.62	Vert(CT)	-0.24	16-18	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.76	Horz(CT)	0.06	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 153 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
5-15,7-11: 2x4 SP No.3
WEBS 2x4 SP No.3

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

REACTIONS. (size) 18=0-5-8, 10=0-5-8
Max Horz 18=-137(LC 13)
Max Uplift 18=-442(LC 12), 10=-458(LC 13)
Max Grav 18=1443(LC 2), 10=1357(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-275/207, 3-4=-1179/548, 4-5=-2396/1086, 5-6=-1303/539, 6-7=-1445/565, 7-8=-1131/363
BOT CHORD 1-18=-133/269, 16-18=-317/954, 15-16=-83/300, 5-14=-737/442, 13-14=-764/2209, 12-13=-255/1021, 7-12=-380/247
WEBS 2-18=-290/271, 3-18=-1370/722, 14-16=-130/698, 4-14=-675/1456, 5-13=-1124/488, 6-13=-138/457, 7-13=-158/311, 8-12=-419/1176, 8-10=-1115/493

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 442 lb uplift at joint 18 and 458 lb uplift at joint 10.

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August 11,2020

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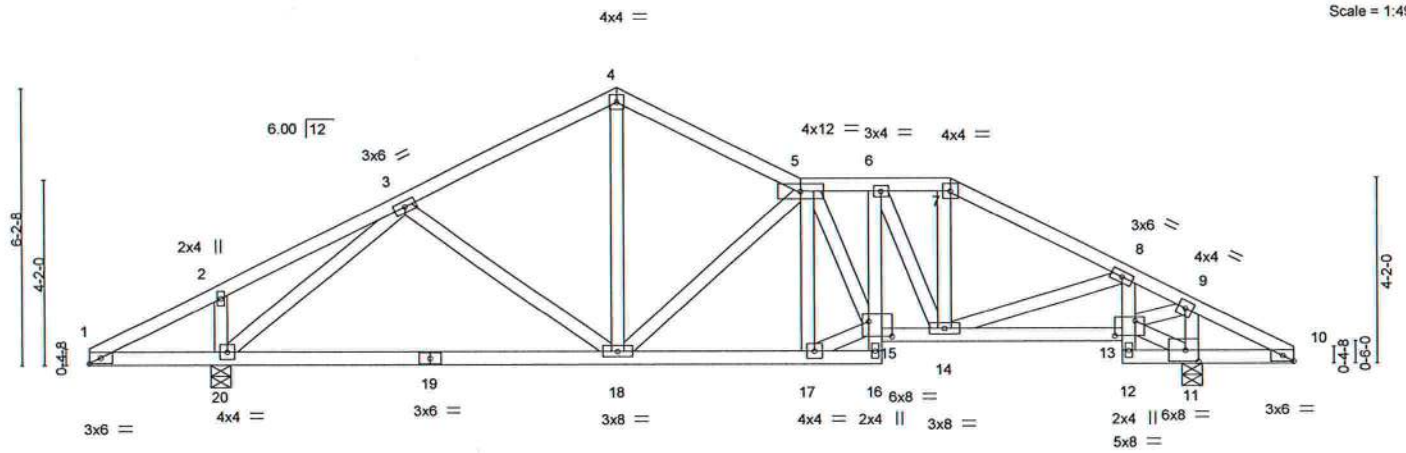
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
2432497	T85	Roof Special	1	1	T20989071
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:36:53 2020 Page 1
ID:5LJH23s?2Dk70oB9FeyB9Jyrs6E-FxccghguYnMwIOdXgG4L8VvsUWAUmuP662qdgSyox5O

2-10-12	7-0-0	11-8-0	15-9-0	17-6-8	19-1-0	22-10-8	24-5-4	26-8-0
2-10-12	4-1-4	4-8-0	4-1-0	1-9-8	1-6-8	3-9-8	1-6-12	2-2-12

Scale = 1:49.5



2-8-0	2-10-12	11-8-0	15-9-0	17-6-8	19-1-0	22-10-8	24-5-4	24-8-0	26-8-0
2-8-0	0-2-12	8-9-4	4-1-0	1-9-8	1-6-8	3-9-8	1-6-12	0-2-12	2-0-0

Plate Offsets (X,Y)-- [10:0-2-15,Edge], [11:0-3-8,0-3-0], [13:0-5-8,0-4-0], [15:0-6-4,0-4-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.32	Vert(LL)	-0.12	18-20	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.65	Vert(CT)	-0.26	18-20	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.79	Horz(CT)	0.06	11	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 158 lb	FT = 20%

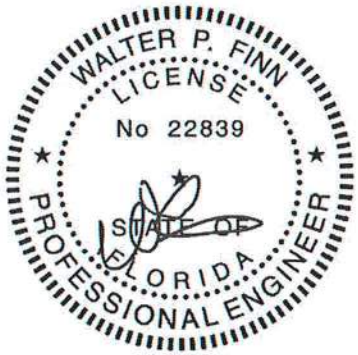
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
6-16,8-12: 2x4 SP No.3
WEBS 2x4 SP No.3

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

REACTIONS. (size) 20=0-5-8, 11=0-5-8
Max Horz 20=-137(LC 13)
Max Uplift 20=-442(LC 12), 11=-458(LC 13)
Max Grav 20=1443(LC 2), 11=1357(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-275/200, 3-4=-1169/543, 4-5=-1150/544, 5-6=-1554/691, 6-7=-1310/595, 7-8=-1512/608, 8-9=-1161/376
BOT CHORD 1-20=-126/268, 18-20=-317/961, 17-18=-454/1434, 6-15=-200/513, 14-15=-469/1568, 13-14=-307/1115, 8-13=-411/286
WEBS 2-20=-291/273, 3-20=-1367/722, 4-18=-254/666, 5-18=-629/357, 5-17=-554/196, 15-17=-437/1360, 5-15=-58/307, 6-14=-605/238, 7-14=-109/420, 9-13=-456/1229, 9-11=-1109/478

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 442 lb uplift at joint 20 and 458 lb uplift at joint 11.



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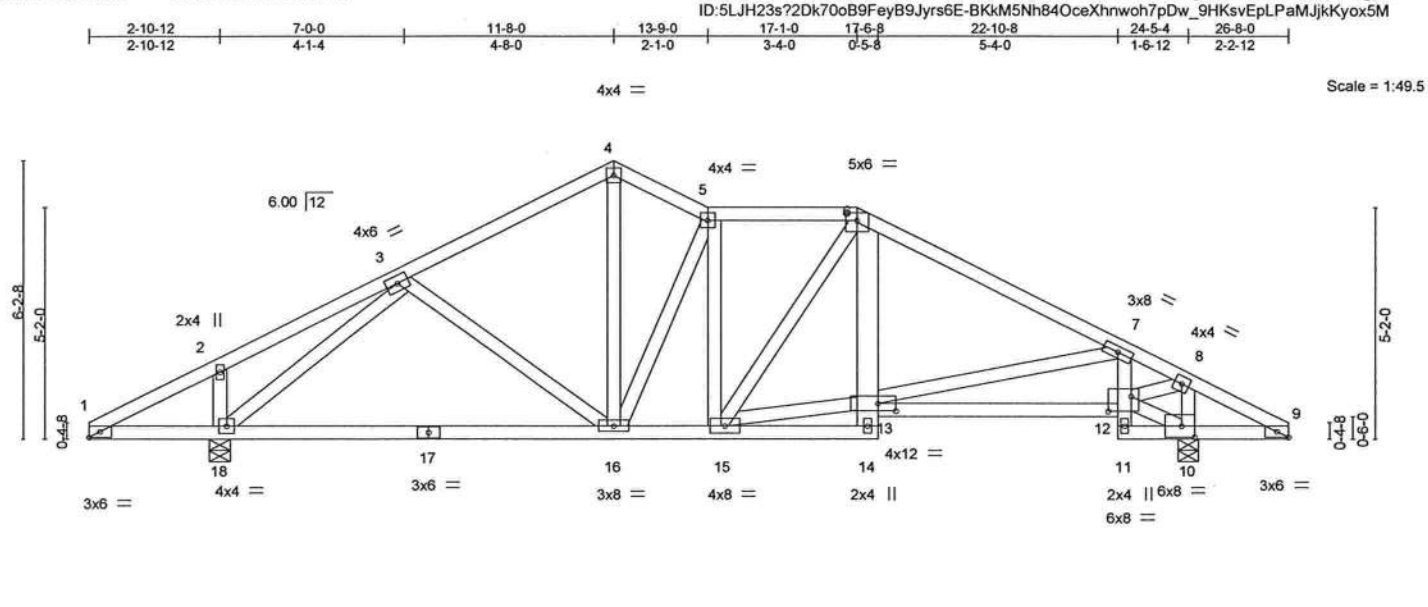
Date:

August 11,2020

Job	Truss	Truss Type	Qty	Ply	T20989072
2432497	T86	Roof Special	1	1	Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:36:55 2020 Page 1
ID:5LJH23s?2Dk70oB9FeyB9Jyrs6E-BKkM5Nh84OceXhnwoh7pDw_9HKsvEpLPaMJjkKyox5M



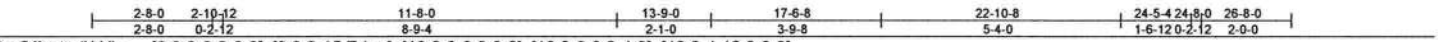


Plate Offsets (X,Y)-- [6:0-3-0,0-2-0], [9:0-2-15,Edge], [10:0-3-8,0-3-0], [12:0-6-0,0-4-0], [13:0-4-12,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.49	Vert(LL)	-0.12	16-18	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.65	Vert(CT)	-0.25	16-18	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.76	Horz(CT)	0.05	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 163 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
6-14: 2x6 SP No.2, 7-11: 2x4 SP No.3
WEBS 2x4 SP No.3

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

REACTIONS. (size) 18=0-5-8, 10=0-5-8
Max Horz 18=-137(LC 13)
Max Uplift 18=-442(LC 12), 10=-458(LC 13)
Max Grav 18=1443(LC 2), 10=1357(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-277/204, 3-4=-1172/538, 4-5=-1109/560, 5-6=-1168/599, 6-7=-1467/596, 7-8=-1202/396
BOT CHORD 1-18=-131/272, 16-18=-318/957, 15-16=-315/1179, 14-15=-99/263, 6-13=-20/284, 12-13=-393/1257, 7-12=-433/330
WEBS 2-18=-280/264, 3-18=-1376/727, 4-16=-297/715, 5-16=-529/317, 13-15=-200/915, 10-12=-258/279, 8-12=-514/1307, 8-10=-1100/454

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 442 lb uplift at joint 18 and 458 lb uplift at joint 10.

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August 11,2020

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Job	Truss	Truss Type	Qty	Ply	
2432497	T87	Hip	1	1	T20989073
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:36:56 2020 Page 1
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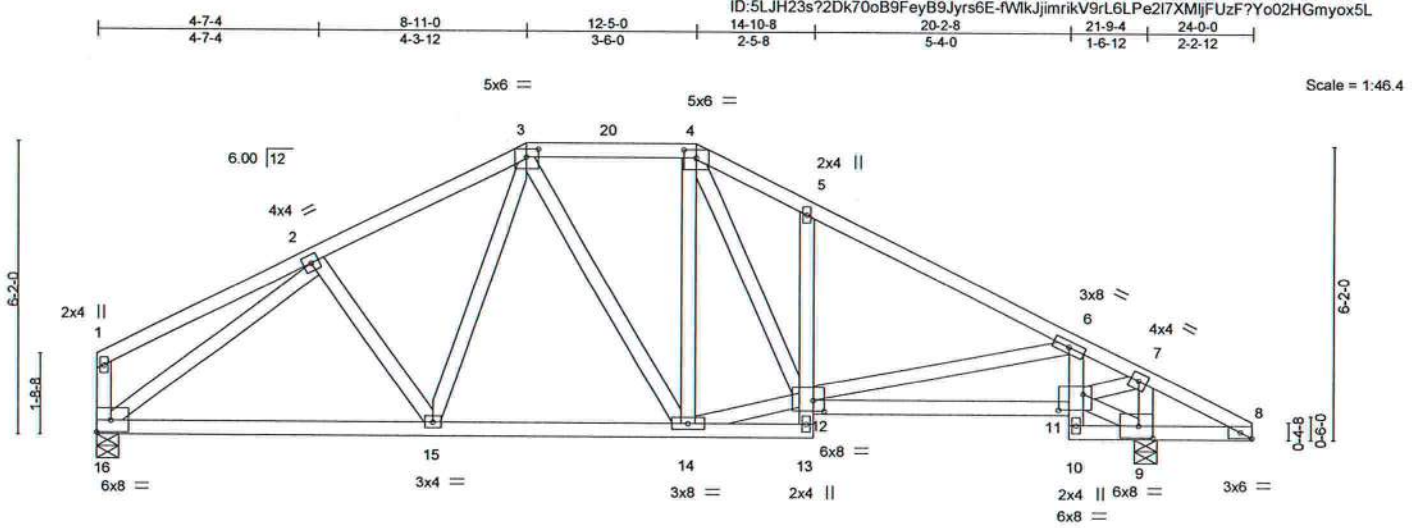

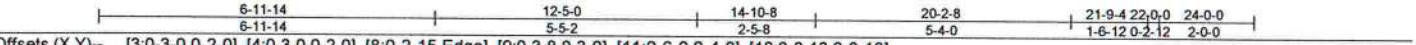

Plate Offsets (X,Y)-- [3:0-3-0,0-2-0], [4:0-3-0,0-2-0], [8:0-2-15,Edge], [9:0-3-8,0-3-0], [11:0-6-0,0-4-0], [12:0-2-12,0-2-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.38	Vert(LL)	-0.06	15-16	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.50	Vert(CT)	-0.13	15-16	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.80	Horz(CT)	0.05	9	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 152 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
5-13,6-10: 2x4 SP No.3
WEBS 2x4 SP No.3

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

REACTIONS. (size) 9=0-5-8, 16=0-5-8
Max Horz 16=-155(LC 10)
Max Uplift 9=-445(LC 13), 16=-347(LC 12)
Max Grav 9=1381(LC 2), 16=1123(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1281/638, 3-4=-1015/583, 4-5=-1460/773, 5-6=-1530/650, 6-7=-1228/404
BOT CHORD 15-16=-375/1080, 14-15=-241/997, 5-12=-342/292, 11-12=-374/1246, 6-11=-425/326
WEBS 3-15=-108/286, 12-14=-154/948, 4-12=-310/608, 9-11=-242/269, 7-11=-517/1313, 7-9=-1133/486, 2-16=-1287/566

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever right exposed ; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 445 lb uplift at joint 9 and 347 lb uplift at joint 16.

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August 11,2020

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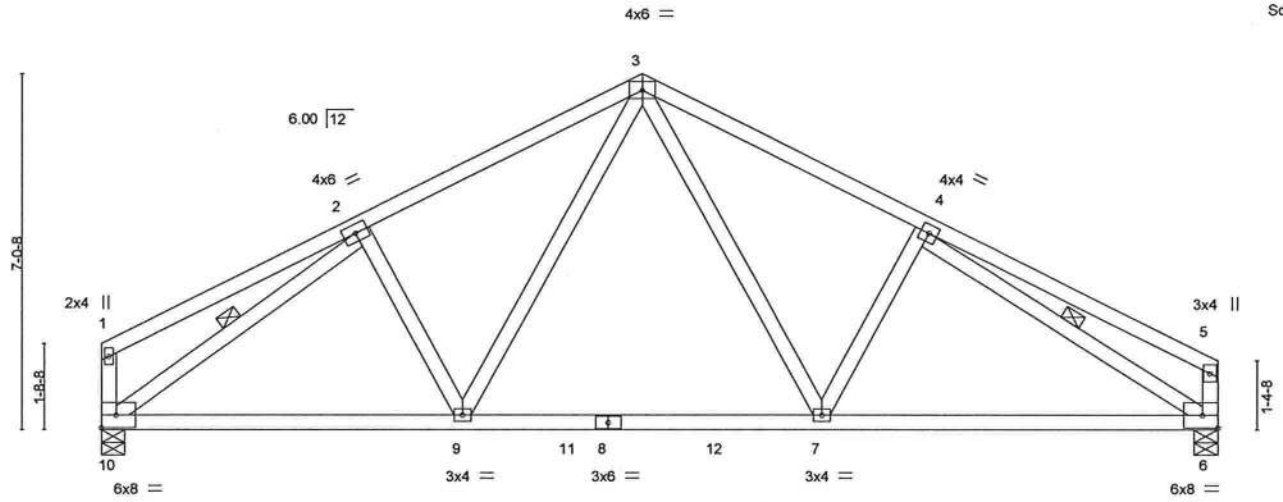
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
2432497	T88	Common	3	1	T20989074
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Aug 11 11:36:57 2020 Page 1
ID:5LJH23s?2Dk70oB9FeyB9Jyrs6E-7ir7W3jOc0tLn?wlv69HIL3Vg7XQioXi1goqpDyox5K

5-1-12	10-8-0	16-2-4	22-0-0
5-1-12	5-6-4	5-6-4	5-9-12

Scale = 1:43.9



7-1-9	14-2-7	22-0-0
7-1-9	7-0-14	7-9-9

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.50	Vert(LL)	-0.13	7-9	>999	240	MT20	244/190
TCDL	20.0	Lumber DOL	1.25	BC	0.71	Vert(CT)	-0.20	7-9	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.40	Horz(CT)	0.04	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 126 lb	FT = 20%

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

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

REACTIONS. (size) 10=0-5-8, 6=0-5-8
Max Horz 10=-141(LC 13)
Max Uplift 10=-342(LC 12), 6=-348(LC 13)
Max Grav 10=1184(LC 2), 6=1182(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1401/694, 3-4=-1468/723, 4-5=-263/162, 5-6=-272/191
BOT CHORD 9-10=-463/1206, 7-9=-271/978, 6-7=-515/1309
WEBS 3-9=-192/444, 3-7=-232/560, 4-7=-284/289, 2-10=-1419/579, 4-6=-1400/555

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=30ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 342 lb uplift at joint 10 and 348 lb uplift at joint 6.

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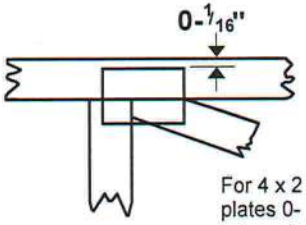
Symbols

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

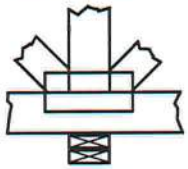
4 x 4

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

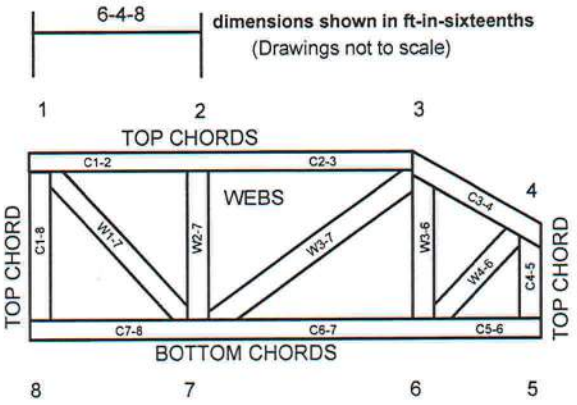


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

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 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.

AUGUST 1, 2016	T-BRACE / I-BRACE DETAIL WITH 2X BRACE ONLY	MII-T-BRACE 2

MiTek USA, Inc.
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A MiTek Affiliate

Note: T-Bracing / I-Bracing to be used when continuous lateral bracing is impractical. T-Brace / I-Brace must cover 90% of web length.

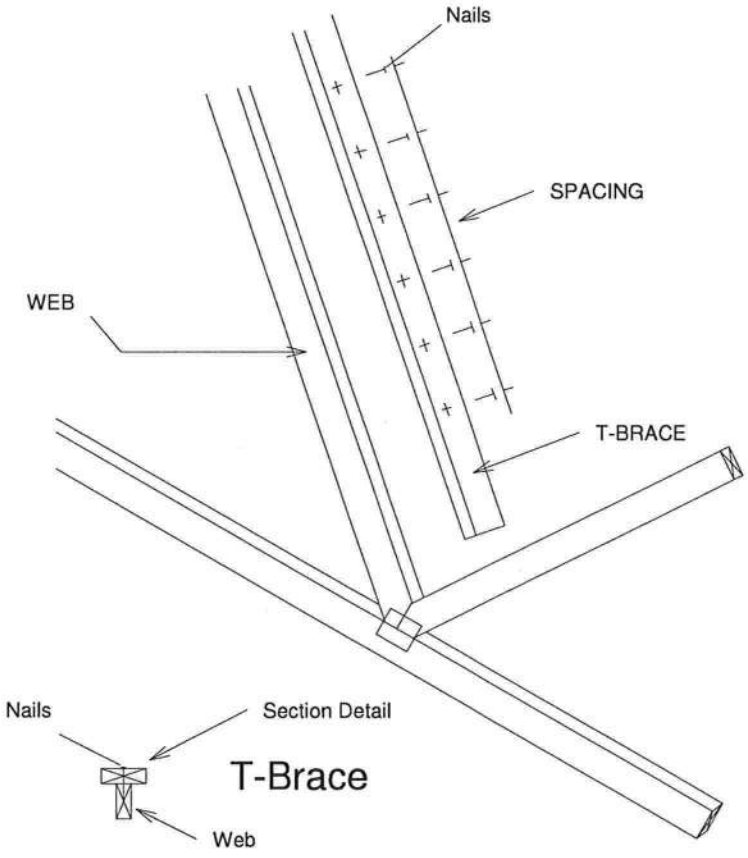
Note: This detail NOT to be used to convert T-Brace / I-Brace webs to continuous lateral braced webs.

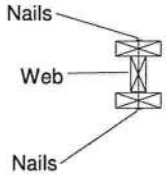
Nailing Pattern		
T-Brace size	Nail Size	Nail Spacing
2x4 or 2x6 or 2x8	10d (0.131" X 3")	6" o.c.
Note: Nail along entire length of T-Brace / I-Brace (On Two-Ply's Nail to Both Plies)		

	Brace Size for One-Ply Truss	
	Specified Continuous Rows of Lateral Bracing	
Web Size	1	2
2x3 or 2x4	2x4 T-Brace	2x4 I-Brace
2x6	2x6 T-Brace	2x6 I-Brace
2x8	2x8 T-Brace	2x8 I-Brace

	Brace Size for Two-Ply Truss	
	Specified Continuous Rows of Lateral Bracing	
Web Size	1	2
2x3 or 2x4	2x4 T-Brace	2x4 I-Brace
2x6	2x6 T-Brace	2x6 I-Brace
2x8	2x8 T-Brace	2x8 I-Brace

T-Brace / I-Brace must be same species and grade (or better) as web member.





I-Brace

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Date:
February 12, 2018

AUGUST 1, 2016	SCAB-BRACE DETAIL	MII-SCAB-BRACE

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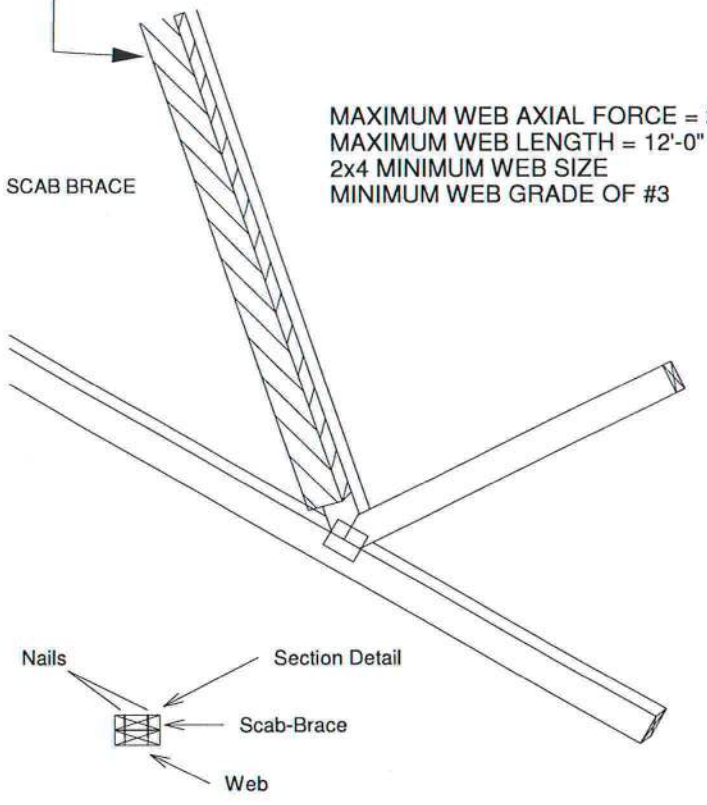
Note: Scab-Bracing to be used when continuous lateral bracing at midpoint (or T-Brace) is impractical.
Scab must cover full length of web +/- 6".

*** THIS DETAIL IS NOT APLICABLE WHEN BRACING IS *** REQUIRED AT 1/3 POINTS OR I-BRACE IS SPECIFIED.

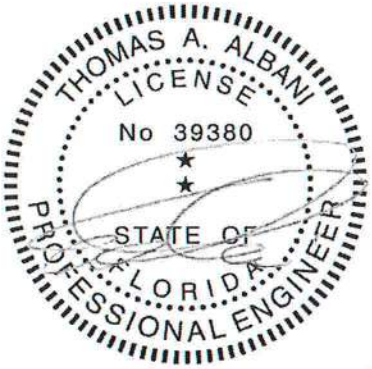
APPLY 2x___ SCAB TO ONE FACE OF WEB WITH
2 ROWS OF 10d (0.131" X 3") NAILS SPACED 6" O.C.
SCAB MUST BE THE SAME GRADE, SIZE AND
SPECIES (OR BETTER) AS THE WEB.

SCAB BRACE

MAXIMUM WEB AXIAL FORCE = 2500 lbs
MAXIMUM WEB LENGTH = 12'-0"
2x4 MINIMUM WEB SIZE
MINIMUM WEB GRADE OF #3



Scab-Brace must be same species grade (or better) as web member.



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February 12, 2018

AUGUST 1, 2016	STANDARD REPAIR TO REMOVE END VERTICAL (RIBBON NOTCH VERTICAL)	MII-REP05

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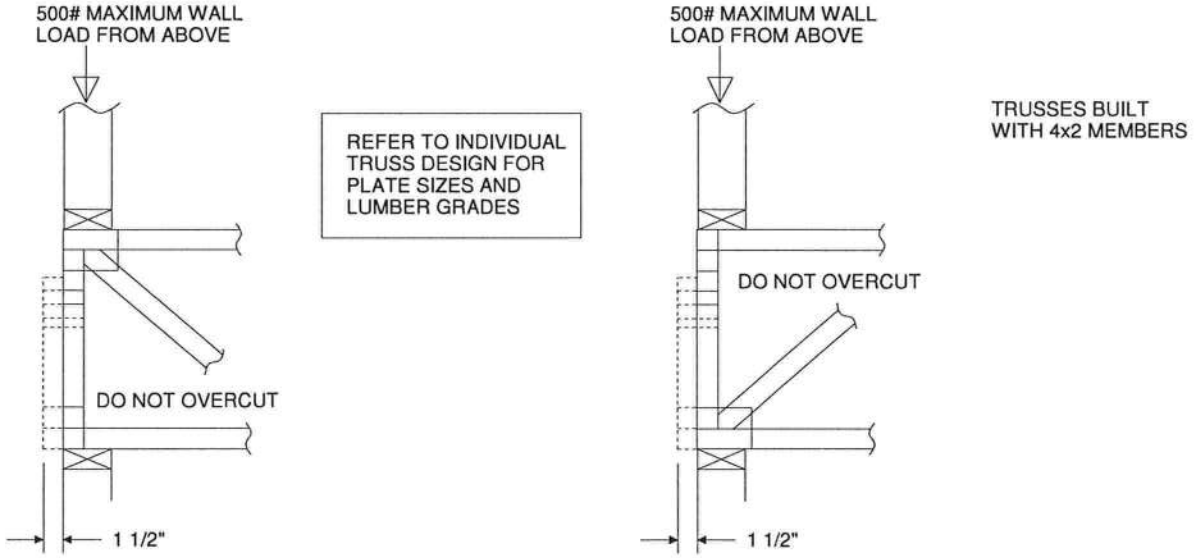
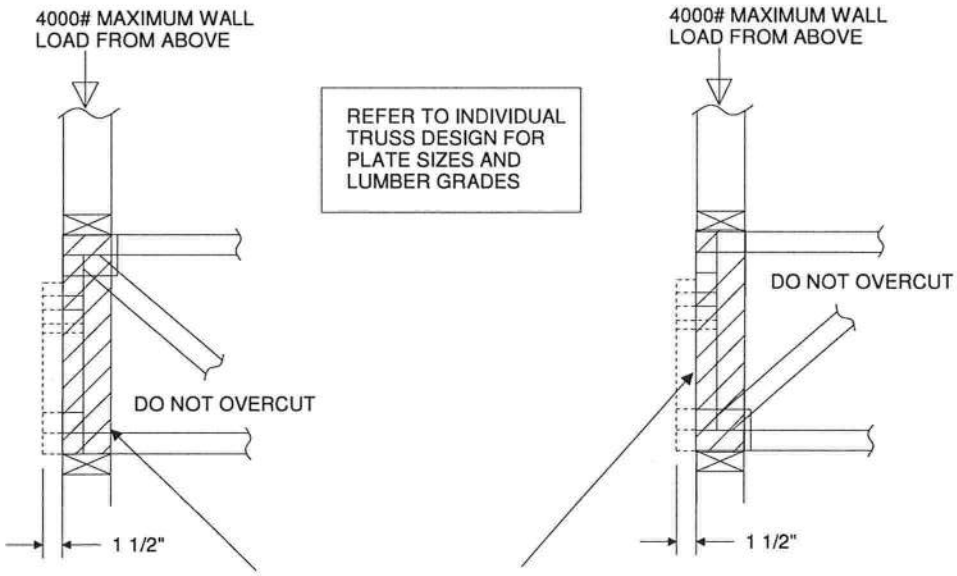
1. THIS IS A SPECIFIC REPAIR DETAIL TO BE USED ONLY FOR ITS ORIGINAL INTENTION. THIS REPAIR DOES NOT IMPLY THAT THE REMAINING PORTION OF THE TRUSS IS UNDAMAGED. THE ENTIRE TRUSS SHALL BE INSPECTED TO VERIFY THAT NO FURTHER REPAIRS ARE REQUIRED. WHEN THE REQUIRED REPAIRS ARE PROPERLY APPLIED, THE TRUSS WILL BE CAPABLE OF SUPPORTING THE LOADS INDICATED.
2. ALL MEMBERS MUST BE RETURNED TO THEIR ORIGINAL POSITIONS BEFORE APPLYING REPAIR AND HELD IN PLACE DURING APPLICATION OF REPAIR.
3. THE END DISTANCE, EDGE DISTANCE, AND SPACING OF NAILS SHALL BE SUCH AS TO AVOID SPLITTING OF THE WOOD.
4. LUMBER MUST BE CUT CLEANLY AND ACCURATELY AND THE REMAINING WOOD MUST BE UNDAMAGED.
5. THIS REPAIR IS TO BE USED FOR SINGLE PLY TRUSSES IN THE 4X_ ORIENTATION ONLY.
6. CONNECTOR PLATES MUST BE FULLY IMBEDDED AND UNDISTURBED.





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Date:
February 12, 2018

AUGUST 1, 2016	Standard Gable End Detail	MII-GE130-D-SP

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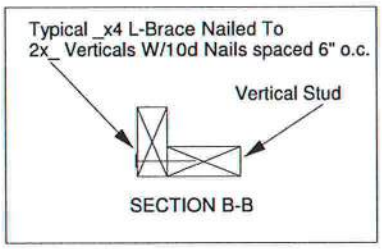
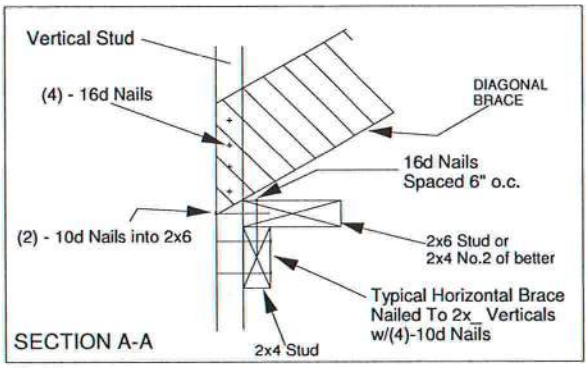
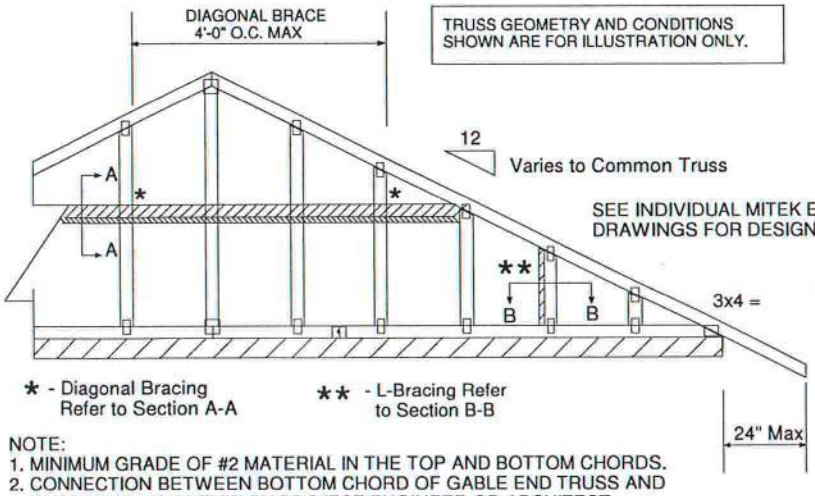






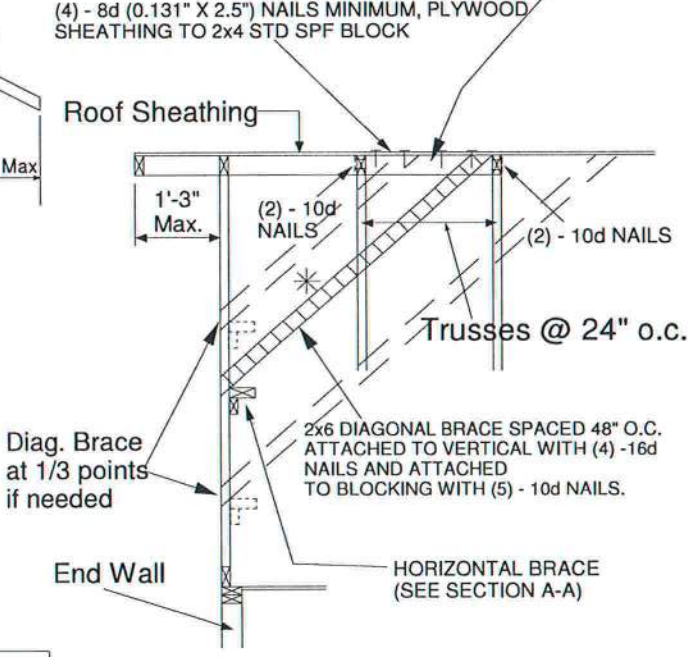
TRUSS GEOMETRY AND CONDITIONS SHOWN ARE FOR ILLUSTRATION ONLY.

SEE INDIVIDUAL MITEK ENGINEERING DRAWINGS FOR DESIGN CRITERIA

* - Diagonal Bracing Refer to Section A-A

** - L-Bracing Refer to Section B-B

PROVIDE 2x4 BLOCKING BETWEEN THE FIRST TWO TRUSSES AS NOTED. TOENAIL BLOCKING TO TRUSSES WITH (2) - 10d NAILS AT EACH END. ATTACH DIAGONAL BRACE TO BLOCKING WITH (5) - 10d NAILS.



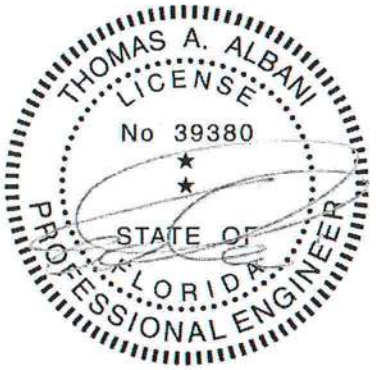
NOTE:
1. MINIMUM GRADE OF #2 MATERIAL IN THE TOP AND BOTTOM CHORDS.
2. CONNECTION BETWEEN BOTTOM CHORD OF GABLE END TRUSS AND WALL TO BE PROVIDED BY PROJECT ENGINEER OR ARCHITECT.
3. BRACING SHOWN IS FOR INDIVIDUAL TRUSS ONLY. CONSULT BLDG. ARCHITECT OR ENGINEER FOR TEMPORARY AND PERMANENT BRACING OF ROOF SYSTEM.
4. "L" BRACES SPECIFIED ARE TO BE FULL LENGTH. GRADES: 1x4 SRB OR 2x4 STUD OR BETTER WITH ONE ROW OF 10d NAILS SPACED 6" O.C.
5. DIAGONAL BRACE TO BE APPROXIMATELY 45 DEGREES TO ROOF DIAPHRAM AT 4'-0" O.C.
6. CONSTRUCT HORIZONTAL BRACE CONNECTING A 2x6 STUD AND A 2x4 STUD AS SHOWN WITH 16d NAILS SPACED 6" O.C. HORIZONTAL BRACE TO BE LOCATED AT THE MIDSPAN OF THE LONGEST STUD. ATTACH TO VERTICAL STUDS WITH (4) 10d NAILS THROUGH 2x4. (REFER TO SECTION A-A)
7. GABLE STUD DEFLECTION MEETS OR EXCEEDS L/240.
8. THIS DETAIL DOES NOT APPLY TO STRUCTURAL GABLES.
9. DO NOT USE FLAT BOTTOM CHORD GABLES NEXT TO SCISSOR TYPE TRUSSES.
10. SOUTHERN PINE LUMBER DESIGN VALUES ARE THOSE EFFECTIVE 06-01-13 BY SPIB/ALSC.
11. NAILS DESIGNATED 10d ARE (0.131" X 3") AND NAILS DESIGNATED 16d ARE (0.131" X 3.5")

Minimum Stud Size Species and Grade	Stud Spacing	Without Brace	1x4 L-Brace	2x4 L-Brace	DIAGONAL BRACE	2 DIAGONAL BRACES AT 1/3 POINTS
		Maximum Stud Length				
2x4 SP No. 3 / Stud	12" O.C.	3-9-13	4-1-1	5-9-6	7-1-3	11-5-7
2x4 SP No. 3 / Stud	16" O.C.	3-5-4	3-6-8	5-0-2	6-10-8	10-3-13
2x4 SP No. 3 / Stud	24" O.C.	2-9-11	2-10-11	4-1-1	5-7-6	8-5-1

✳ Diagonal braces over 6'-3" require a 2x4 T-Brace attached to one edge. Diagonal braces over 12'-6" require 2x4 I-braces attached to both edges. Fasten T and I braces to narrow edge of diagonal brace with 10d nails 8" o.c., with 3" minimum end distance. Brace must cover 90% of diagonal length.

MAX MEAN ROOF HEIGHT = 30 FEET
CATEGORY II BUILDING
EXPOSURE D
ASCE 7-98, ASCE 7-02, ASCE 7-05 130 MPH
ASCE 7-10 160 MPH
DURATION OF LOAD INCREASE : 1.60

STUD DESIGN IS BASED ON COMPONENTS AND CLADDING.
CONNECTION OF BRACING IS BASED ON MWFRS.

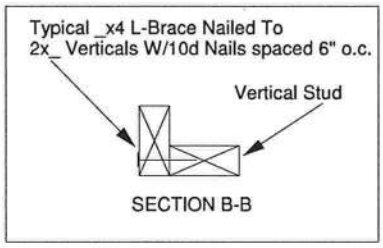


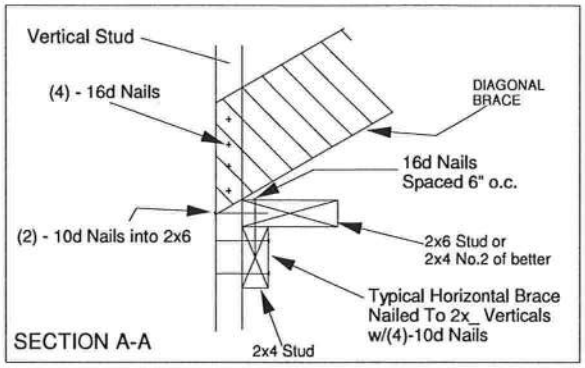
Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
February 12, 2018

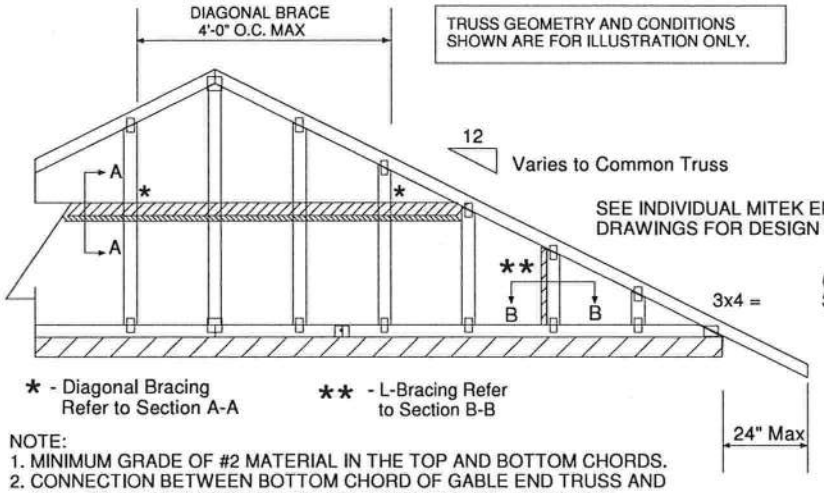
AUGUST 1, 2016	Standard Gable End Detail	MII-GE130-SP

MiTek USA, Inc. Page 1 of 2

MiTek USA, Inc.
ENGINEERED BY TRENCO
A MiTek Affiliate







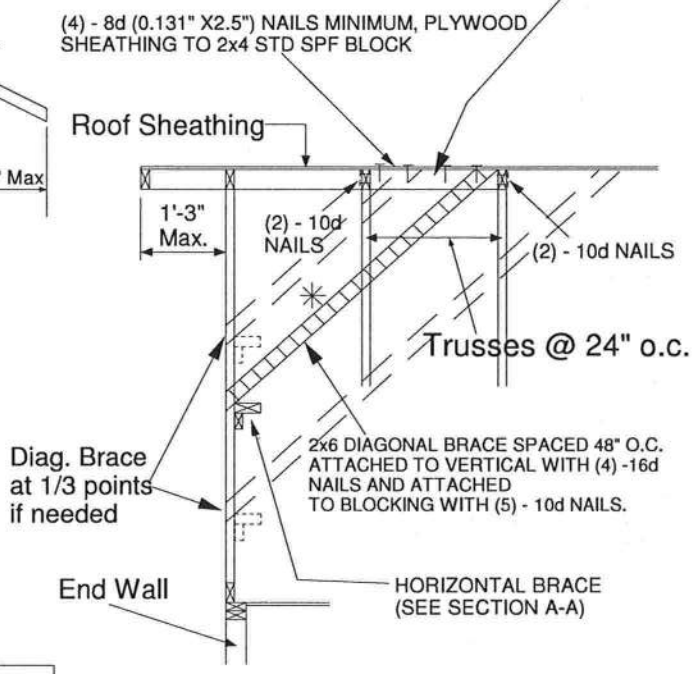
TRUSS GEOMETRY AND CONDITIONS SHOWN ARE FOR ILLUSTRATION ONLY.

SEE INDIVIDUAL MITEK ENGINEERING DRAWINGS FOR DESIGN CRITERIA

* - Diagonal Bracing Refer to Section A-A

** - L-Bracing Refer to Section B-B

PROVIDE 2x4 BLOCKING BETWEEN THE FIRST TWO TRUSSES AS NOTED. TOENAIL BLOCKING TO TRUSSES WITH (2) - 10d NAILS AT EACH END. ATTACH DIAGONAL BRACE TO BLOCKING WITH (5) - 10d NAILS.

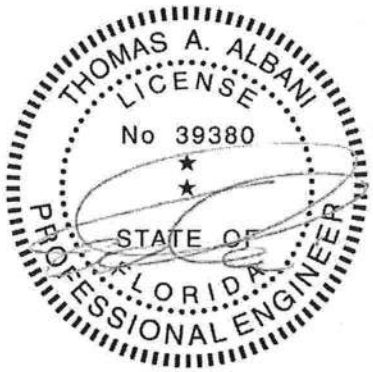


NOTE:
1. MINIMUM GRADE OF #2 MATERIAL IN THE TOP AND BOTTOM CHORDS.
2. CONNECTION BETWEEN BOTTOM CHORD OF GABLE END TRUSS AND WALL TO BE PROVIDED BY PROJECT ENGINEER OR ARCHITECT.
3. BRACING SHOWN IS FOR INDIVIDUAL TRUSS ONLY. CONSULT BLDG. ARCHITECT OR ENGINEER FOR TEMPORARY AND PERMANENT BRACING OF ROOF SYSTEM.
4. "L" BRACES SPECIFIED ARE TO BE FULL LENGTH. GRADES: 1x4 SRB OR 2x4 STUD OR BETTER WITH ONE ROW OF 10d NAILS SPACED 6" O.C.
5. DIAGONAL BRACE TO BE APPROXIMATELY 45 DEGREES TO ROOF DIAPHRAM AT 4'-0" O.C.
6. CONSTRUCT HORIZONTAL BRACE CONNECTING A 2x6 STUD AND A 2x4 STUD AS SHOWN WITH 16d NAILS SPACED 6" O.C. HORIZONTAL BRACE TO BE LOCATED AT THE MIDSPAN OF THE LONGEST STUD. ATTACH TO VERTICAL STUDS WITH (4) 10d NAILS THROUGH 2x4. (REFER TO SECTION A-A)
7. GABLE STUD DEFLECTION MEETS OR EXCEEDS L/240.
8. THIS DETAIL DOES NOT APPLY TO STRUCTURAL GABLES.
9. DO NOT USE FLAT BOTTOM CHORD GABLES NEXT TO SCISSOR TYPE TRUSSES.
10. SOUTHERN PINE LUMBER DESIGN VALUES ARE THOSE EFFECTIVE 06-01-13 BY SPIB/ALSC.
11. NAILS DESIGNATED 10d ARE (0.131" X 3") AND NAILS DESIGNATED 16d ARE (0.131" X 3.5")

Minimum Stud Size Species and Grade	Stud Spacing	Without Brace	1x4 L-Brace	2x4 L-Brace	DIAGONAL BRACE	2 DIAGONAL BRACES AT 1/3 POINTS
		Maximum Stud Length				
2x4 SP No. 3 / Stud	12" O.C.	4-0-7	4-5-6	6-3-8	8-0-15	12-1-6
2x4 SP No. 3 / Stud	16" O.C.	3-8-0	3-10-4	5-5-6	7-4-1	11-0-1
2x4 SP No. 3 / Stud	24" O.C.	3-0-10	3-1-12	4-5-6	6-1-5	9-1-15

✳ Diagonal braces over 6'-3" require a 2x4 T-Brace attached to one edge. Diagonal braces over 12'-6" require 2x4 I-braces attached to both edges. Fasten T and I braces to narrow edge of diagonal brace with 10d nails 8" o.c., with 3" minimum end distance. Brace must cover 90% of diagonal length.

MAX MEAN ROOF HEIGHT = 30 FEET CATEGORY II BUILDING EXPOSURE B or C ASCE 7-98, ASCE 7-02, ASCE 7-05 130 MPH ASCE 7-10 160 MPH DURATION OF LOAD INCREASE : 1.60	STUD DESIGN IS BASED ON COMPONENTS AND CLADDING. CONNECTION OF BRACING IS BASED ON MWFRS.



Thomas A. Albani PE No.39380
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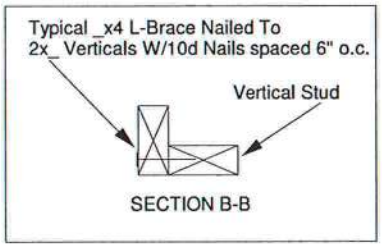
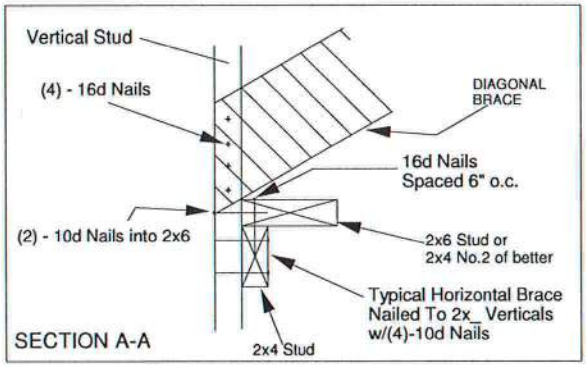
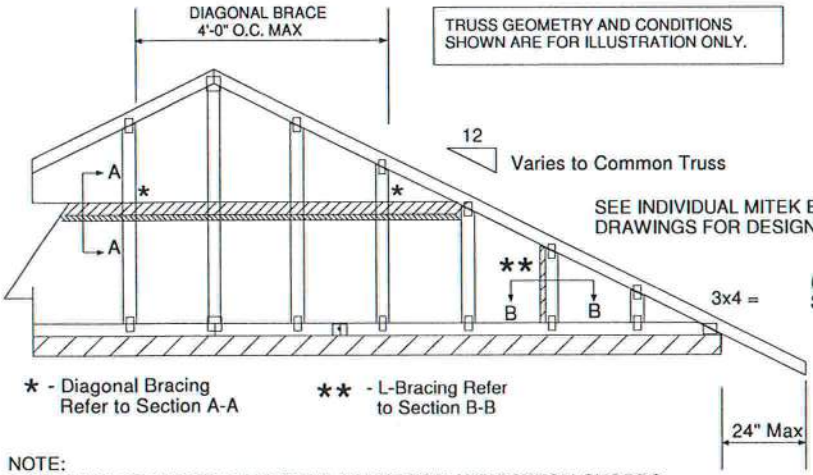
6904 Parke East Blvd. Tampa FL 33610
Date:
February 12, 2018

JANUARY 6, 2017	Standard Gable End Detail	MII-GE140-001

MiTek USA, Inc.
ENGINEERED BY TRENCO
A MiTek Affiliate







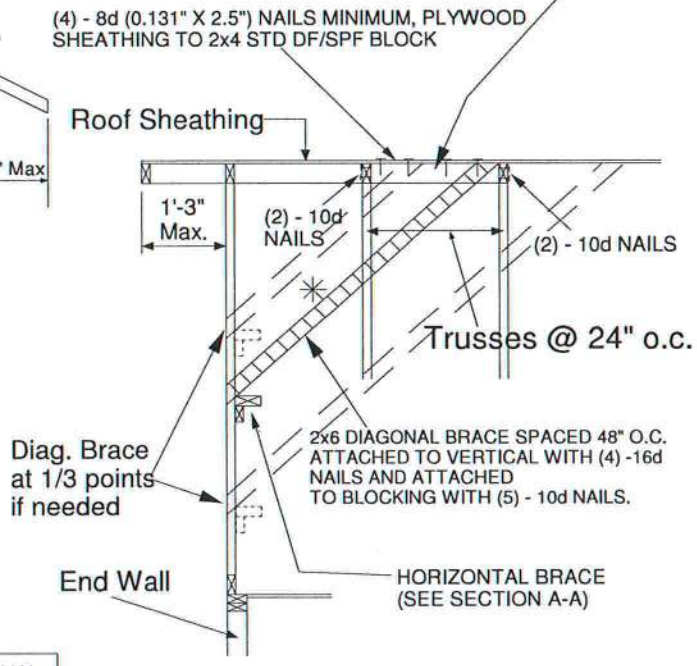
TRUSS GEOMETRY AND CONDITIONS SHOWN ARE FOR ILLUSTRATION ONLY.

SEE INDIVIDUAL MITEK ENGINEERING DRAWINGS FOR DESIGN CRITERIA

* - Diagonal Bracing Refer to Section A-A

** - L-Bracing Refer to Section B-B

PROVIDE 2x4 BLOCKING BETWEEN THE FIRST TWO TRUSSES AS NOTED. TOENAIL BLOCKING TO TRUSSES WITH (2) - 10d NAILS AT EACH END. ATTACH DIAGONAL BRACE TO BLOCKING WITH (5) - 10d NAILS.



NOTE:
1. MINIMUM GRADE OF #2 MATERIAL IN THE TOP AND BOTTOM CHORDS.
2. CONNECTION BETWEEN BOTTOM CHORD OF GABLE END TRUSS AND WALL TO BE PROVIDED BY PROJECT ENGINEER OR ARCHITECT.
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4. "L" BRACES SPECIFIED ARE TO BE FULL LENGTH. GRADES: 1x4 SRB OR 2x4 STUD OR BETTER WITH ONE ROW OF 10d NAILS SPACED 6" O.C.
5. DIAGONAL BRACE TO BE APPROXIMATELY 45 DEGREES TO ROOF DIAPHRAM AT 4'-0" O.C.
6. CONSTRUCT HORIZONTAL BRACE CONNECTING A 2x6 STUD AND A 2x4 STUD AS SHOWN WITH 16d NAILS SPACED 6" O.C. HORIZONTAL BRACE TO BE LOCATED AT THE MIDSPAN OF THE LONGEST STUD. ATTACH TO VERTICAL STUDS WITH (4) 10d NAILS THROUGH 2x4. (REFER TO SECTION A-A)
7. GABLE STUD DEFLECTION MEETS OR EXCEEDS L/240.
8. THIS DETAIL DOES NOT APPLY TO STRUCTURAL GABLES.
9. DO NOT USE FLAT BOTTOM CHORD GABLES NEXT TO SCISSOR TYPE TRUSSES.
10. NAILS DESIGNATED 10d ARE (0.131" X 3") AND NAILS DESIGNATED 16d ARE (0.131" X 3.5")

Minimum Stud Size Species and Grade	Stud Spacing	Without Brace	1x4 L-Brace	2x4 L-Brace	DIAGONAL BRACE	2 DIAGONAL BRACES AT 1/3 POINTS
		Maximum Stud Length				
2x4 DF/SPF Std/Stud	12" O.C.	3-10-1	3-11-7	5-7-2	7-8-2	11-6-4
2x4 DF/SPF Std/Stud	16" O.C.	3-3-14	3-5-1	4-10-2	6-7-13	9-11-11
2x4 DF/SPF Std/Stud	24" O.C.	2-8-9	2-9-8	3-11-7	5-5-2	8-1-12

✳ Diagonal braces over 6'-3" require a 2x4 T-Brace attached to one edge. Diagonal braces over 12'-6" require 2x4 I-braces attached to both edges. Fasten T and I braces to narrow edge of web with 10d nails 8" o.c., with 3" minimum end distance. Brace must cover 90% of diagonal length.

MAXIMUM WIND SPEED = 140 MPH
MAX MEAN ROOF HEIGHT = 30 FEET
CATEGORY II BUILDING
EXPOSURE B or C
ASCE 7-98, ASCE 7-02, ASCE 7-05
DURATION OF LOAD INCREASE : 1.60

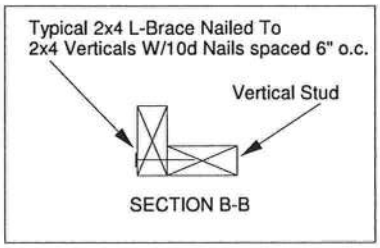
STUD DESIGN IS BASED ON COMPONENTS AND CLADDING.
CONNECTION OF BRACING IS BASED ON MWFRS.

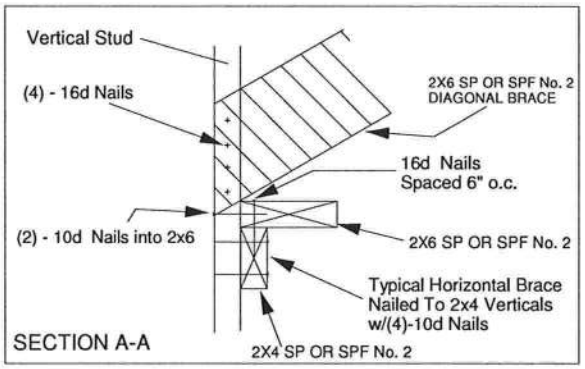
Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
January 19, 2018

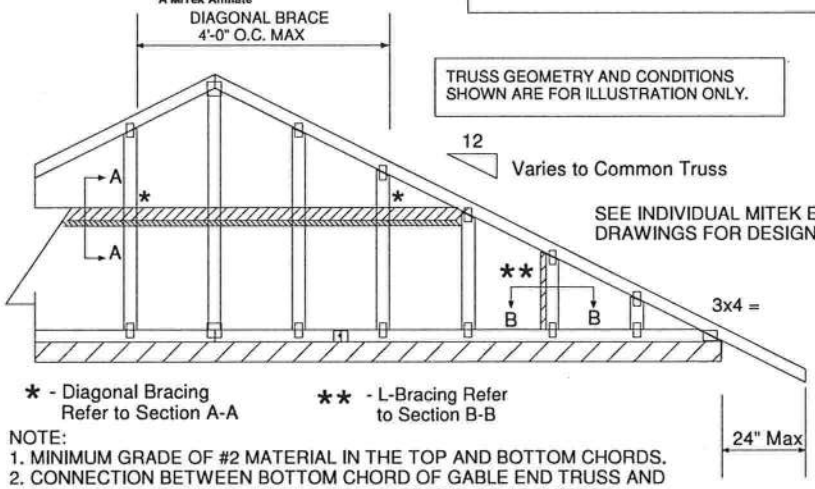
AUGUST 1, 2016	Standard Gable End Detail	MII-GE170-D-SP

MiTek USA, Inc.

MiTek USA, Inc.
ENGINEERED BY TRENCO
A MiTek Affiliate



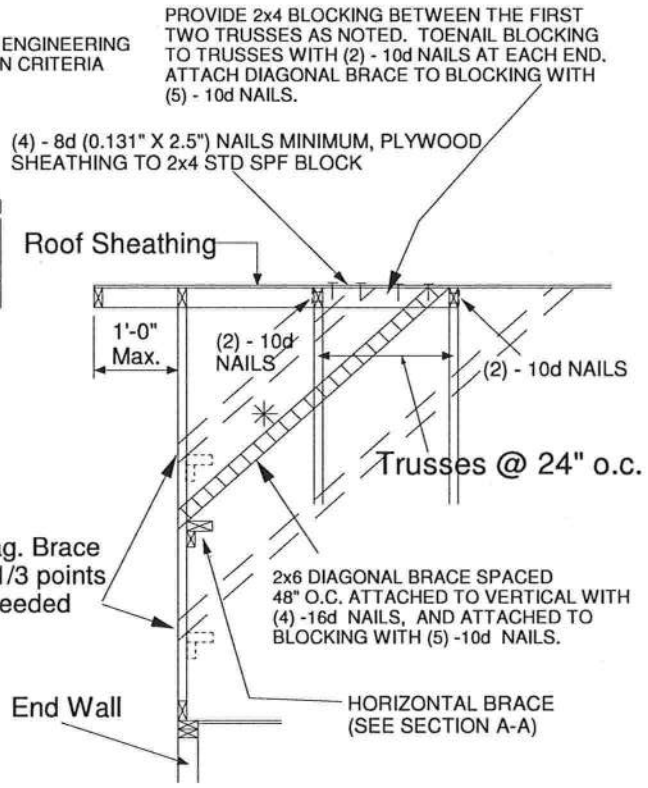




* - Diagonal Bracing Refer to Section A-A

** - L-Bracing Refer to Section B-B

NOTE:
1. MINIMUM GRADE OF #2 MATERIAL IN THE TOP AND BOTTOM CHORDS.
2. CONNECTION BETWEEN BOTTOM CHORD OF GABLE END TRUSS AND WALL TO BE PROVIDED BY PROJECT ENGINEER OR ARCHITECT.
3. BRACING SHOWN IS FOR INDIVIDUAL TRUSS ONLY. CONSULT BLDG. ARCHITECT OR ENGINEER FOR TEMPORARY AND PERMANENT BRACING OF ROOF SYSTEM.
4. "L" BRACES SPECIFIED ARE TO BE FULL LENGTH, SPF or SP No.3 OR BETTER WITH ONE ROW OF 10d NAILS SPACED 6" O.C.
5. DIAGONAL BRACE TO BE APPROXIMATELY 45 DEGREES TO ROOF DIAPHRAM AT 4'-0" O.C.
6. CONSTRUCT HORIZONTAL BRACE CONNECTING A 2x6 AND A 2x4 AS SHOWN WITH 16d NAILS SPACED 6" O.C. HORIZONTAL BRACE TO BE LOCATED AT THE MIDSPAN OF THE LONGEST GABLE STUD. ATTACH TO VERTICAL GABLE STUDS WITH (4) 10d NAILS THROUGH 2x4. (REFER TO SECTION A-A)
7. GABLE STUD DEFLECTION MEETS OR EXCEEDS L/240.
8. THIS DETAIL DOES NOT APPLY TO STRUCTURAL GABLES.
9. DO NOT USE FLAT BOTTOM CHORD GABLES NEXT TO SCISSOR TYPE TRUSSES.
10. SOUTHERN PINE LUMBER DESIGN VALUES ARE THOSE EFFECTIVE 06-01-13 BY SPIB/ALSC.
11. NAILS DESIGNATED 10d ARE (0.131" X 3") AND NAILS DESIGNATED 16d ARE (0.131" X 3.5")



Minimum Stud Size Species and Grade	Stud Spacing	Without Brace	2x4 L-Brace	DIAGONAL BRACE	2 DIAGONAL BRACES AT 1/3 POINTS
		Maximum Stud Length			
2x4 SP No. 3 / Stud	12" O.C.	3-9-7	5-8-8	6-11-1	11-4-4
2x4 SP No. 3 / Stud	16" O.C.	3-4-12	4-11-15	6-9-8	10-2-3
2x4 SP No. 3 / Stud	24" O.C.	2-9-4	4-0-7	5-6-8	8-3-13
2x4 SP No. 2	12" O.C.	3-11-13	5-8-8	6-11-1	11-11-7
2x4 SP No. 2	16" O.C.	3-7-7	4-11-5	6-11-1	10-10-5
2x4 SP No. 2	24" O.C.	3-1-15	4-0-7	6-3-14	9-5-14

✳ Diagonal braces over 6'-3" require a 2x4 T-Brace attached to one edge. Diagonal braces over 12'-6" require 2x4 I-braces attached to both edges. Fasten T and I braces to narrow edge of diagonal brace with 10d nails 6" o.c., with 3" minimum end distance. Brace must cover 90% of diagonal length. T or I braces must be 2x4 SPF No. 2 or SP No. 2.

MAX MEAN ROOF HEIGHT = 30 FEET
EXPOSURE D
ASCE 7-10 170 MPH
DURATION OF LOAD INCREASE : 1.60

STUD DESIGN IS BASED ON COMPONENTS AND CLADDING.
CONNECTION OF BRACING IS BASED ON MWFRS.

Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
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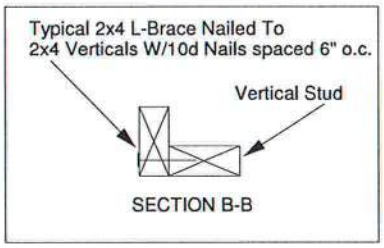
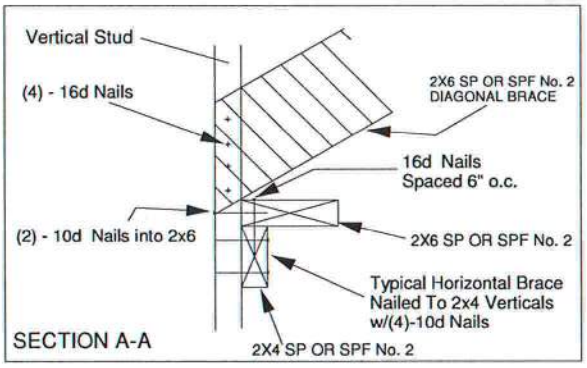
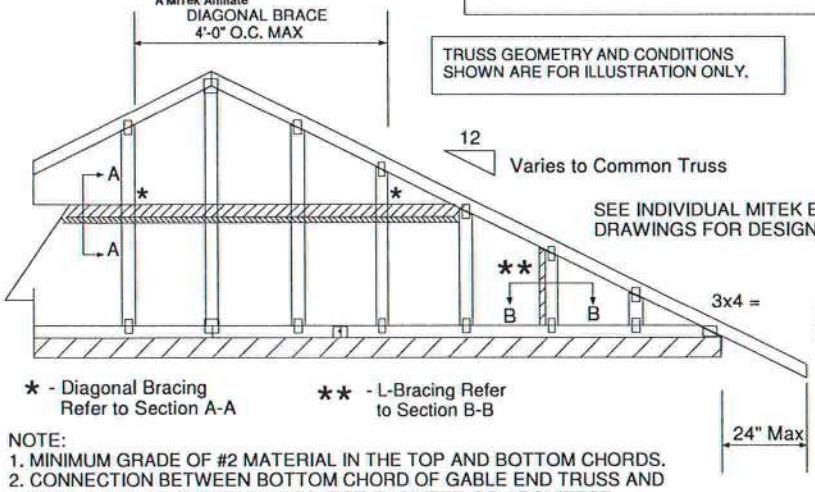
Date:
February 12, 2018

AUGUST 1, 2016	Standard Gable End Detail	MII-GE180-D-SP

MiTek USA, Inc.
ENGINEERED BY TRENCO
A MiTek Affiliate







TRUSS GEOMETRY AND CONDITIONS SHOWN ARE FOR ILLUSTRATION ONLY.

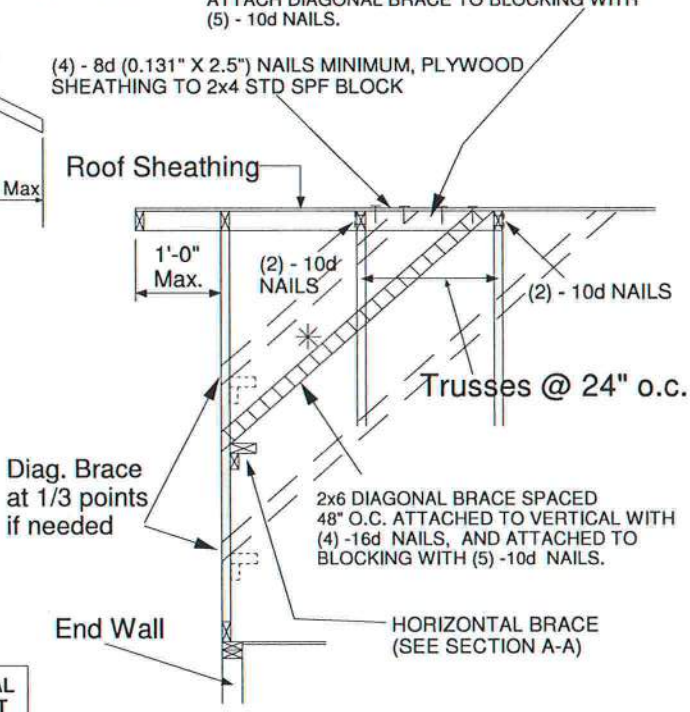
SEE INDIVIDUAL MITEK ENGINEERING DRAWINGS FOR DESIGN CRITERIA

* - Diagonal Bracing Refer to Section A-A

** - L-Bracing Refer to Section B-B

24" Max

PROVIDE 2x4 BLOCKING BETWEEN THE FIRST TWO TRUSSES AS NOTED. TOENAIL BLOCKING TO TRUSSES WITH (2) - 10d NAILS AT EACH END. ATTACH DIAGONAL BRACE TO BLOCKING WITH (5) - 10d NAILS.



NOTE:
1. MINIMUM GRADE OF #2 MATERIAL IN THE TOP AND BOTTOM CHORDS.
2. CONNECTION BETWEEN BOTTOM CHORD OF GABLE END TRUSS AND WALL TO BE PROVIDED BY PROJECT ENGINEER OR ARCHITECT.
3. BRACING SHOWN IS FOR INDIVIDUAL TRUSS ONLY. CONSULT BLDG. ARCHITECT OR ENGINEER FOR TEMPORARY AND PERMANENT BRACING OF ROOF SYSTEM.
4. "L" BRACES SPECIFIED ARE TO BE FULL LENGTH, SPF or SP No.3 OR BETTER WITH ONE ROW OF 10d NAILS SPACED 6" O.C.
5. DIAGONAL BRACE TO BE APPROXIMATELY 45 DEGREES TO ROOF DIAPHRAM AT 4'-0" O.C.
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7. GABLE STUD DEFLECTION MEETS OR EXCEEDS L/240.
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9. DO NOT USE FLAT BOTTOM CHORD GABLES NEXT TO SCISSOR TYPE TRUSSES.
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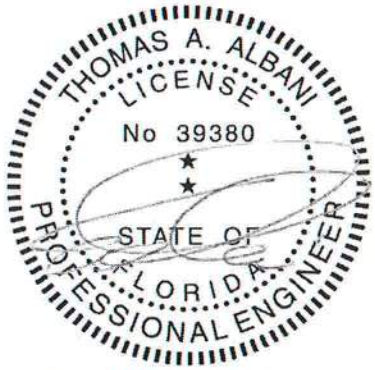
Minimum Stud Size Species and Grade	Stud Spacing	Without Brace	2x4 L-Brace	DIAGONAL BRACE	2 DIAGONAL BRACES AT 1/3 POINTS
		Maximum Stud Length			
2x4 SP No. 3 / Stud	12" O.C.	3-7-12	5-4-11	6-2-1	10-11-3
2x4 SP No. 3 / Stud	16" O.C.	3-2-8	4-8-1	6-2-1	9-7-7
2x4 SP No. 3 / Stud	24" O.C.	2-7-7	3-9-12	5-2-13	7-10-4
2x4 SP No. 2	12" O.C.	3-10-0	5-4-11	6-2-1	11-6-1
2x4 SP No. 2	16" O.C.	3-5-13	4-8-1	6-2-1	10-5-7
2x4 SP No. 2	24" O.C.	3-0-8	3-9-12	6-1-1	9-1-9

✳ Diagonal braces over 6'-3" require a 2x4 T-Brace attached to one edge. Diagonal braces over 12'-6" require 2x4 I-braces attached to both edges. Fasten T and I braces to narrow edge of diagonal brace with 10d nails 6in o.c., with 3in minimum end distance. Brace must cover 90% of diagonal length. T or I braces must be 2x4 SPF No. 2 or SP No. 2.

MAX MEAN ROOF HEIGHT = 30 FEET
EXPOSURE D
ASCE 7-10 180 MPH
DURATION OF LOAD INCREASE : 1.60

STUD DESIGN IS BASED ON COMPONENTS AND CLADDING. CONNECTION OF BRACING IS BASED ON MWFRS.



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Date:
February 12, 2018

AUGUST 1, 2016	STANDARD PIGGYBACK TRUSS CONNECTION DETAIL	MII-PIGGY-7-10

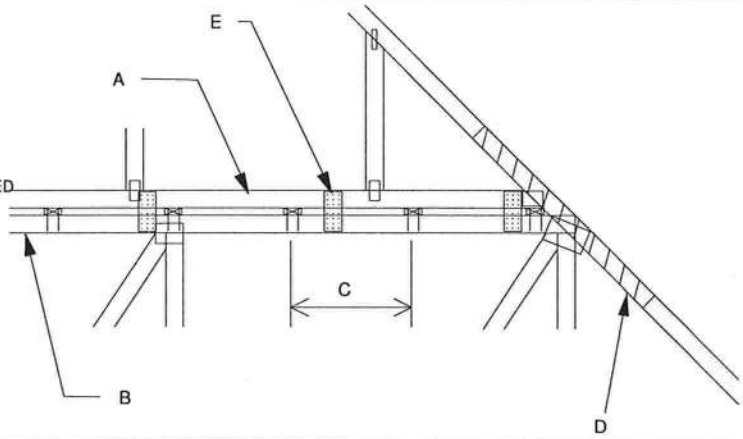
MiTek USA, Inc.
ENGINEERED BY TRENCO
A MiTek Affiliate

MAXIMUM WIND SPEED = REFER TO NOTES D AND OR E
MAX MEAN ROOF HEIGHT = 30 FEET
MAX TRUSS SPACING = 24 " O.C.
CATEGORY II BUILDING
EXPOSURE B or C
ASCE 7-10
DURATION OF LOAD INCREASE : 1.60

DETAIL IS NOT APPLICABLE FOR TRUSSES TRANSFERING DRAG LOADS (SHEAR TRUSSES). ADDITIONAL CONSIDERATIONS BY BUILDING ENGINEER/DESIGNER ARE REQUIRED.

A - PIGGBACK TRUSS, REFER TO MITEK TRUSS DESIGN DRAWING. SHALL BE CONNECTED TO EACH PURLIN WITH (2) (0.131" X 3.5") TOE-NAILED.
B - BASE TRUSS, REFER TO MITEK TRUSS DESIGN DRAWING.
C - PURLINS AT EACH BASE TRUSS JOINT AND A MAXIMUM 24" O.C. UNLESS SPECIFIED CLOSER ON MITEK TRUSS DESIGN DRAWING. CONNECT TO BASE TRUSS WITH (2) (0.131" X 3.5") NAILS EACH.
D - 2 X__ X 4'-0" SCAB, SIZE TO MATCH TOP CHORD OF PIGGYBACK TRUSS, MIN GRADE #2, ATTACHED TO ONE FACE, CENTERED ON INTERSECTION, WITH (2) ROWS OF (0.131" X 3") NAILS @ 4" O.C. SCAB MAY BE OMITTED PROVIDED THE TOP CHORD SHEATHING IS CONTINUOUS OVER INTERSECTION AT LEAST 1 FT. IN BOTH DIRECTIONS AND:
1. WIND SPEED OF 115 MPH OR LESS FOR ANY PIGGYBACK SPAN, OR
2. WIND SPEED OF 116 MPH TO 160 MPH WITH A MAXIMUM PIGGYBACK SPAN OF 12 ft.

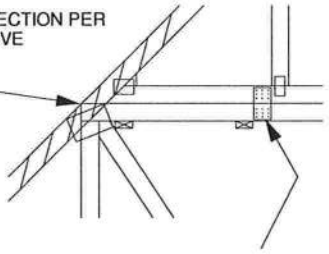
E - FOR WIND SPEEDS BETWEEN 126 AND 160 MPH, ATTACH MITEK 3X8 20 GA Nail-On PLATES TO EACH FACE OF TRUSSES AT 72" O.C. W/ (4) (0.131" X 1.5") NAILS PER MEMBER. STAGGER NAILS FROM OPPOSING FACES. ENSURE 0.5" EDGE DISTANCE. (MIN. 2 PAIRS OF PLATES REQ. REGARDLESS OF SPAN)



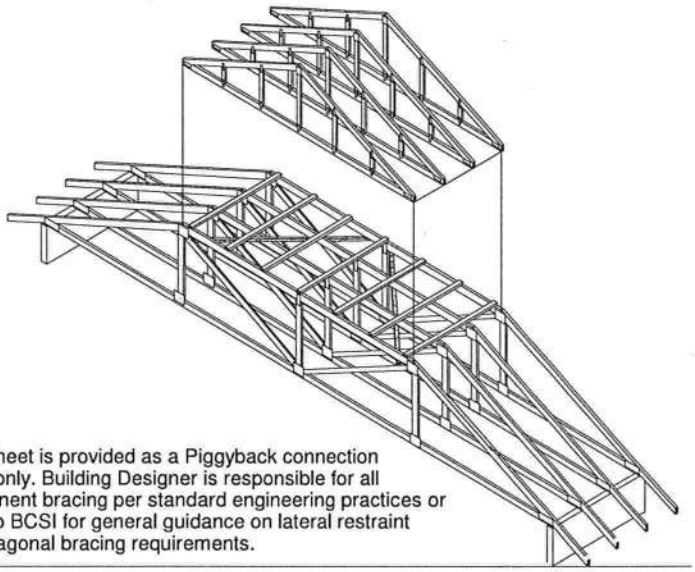
WHEN NO GAP BETWEEN PIGGYBACK AND BASE TRUSS EXISTS:

REPLACE TOE NAILING OF PIGGYBACK TRUSS TO PURLINS WITH Nail-On PLATES AS SHOWN, AND INSTALL PURLINS TO BOTTOM EDGE OF BASE TRUSS TOP CHORD AT SPECIFIED SPACING SHOWN ON BASE TRUSS MITEK DESIGN DRAWING.

SCAB CONNECTION PER NOTE D ABOVE

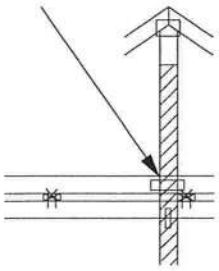


FOR ALL WIND SPEEDS, ATTACH MITEK 3X6 20 GA Nail-On PLATES TO EACH FACE OF TRUSSES AT 48" O.C. W/ (4) (0.131" X 1.5") PER MEMBER. STAGGER NAILS FROM OPPOSING FACES ENSURE 0.5" EDGE DISTANCE.



This sheet is provided as a Piggyback connection detail only. Building Designer is responsible for all permanent bracing per standard engineering practices or refer to BCSI for general guidance on lateral restraint and diagonal bracing requirements.

VERTICAL WEB TO EXTEND THROUGH BOTTOM CHORD OF PIGGYBACK



FOR LARGE CONCENTRATED LOADS APPLIED TO CAP TRUSS REQUIRING A VERTICAL WEB:

1) VERTICAL WEBS OF PIGGYBACK AND BASE TRUSS MUST MATCH IN SIZE, GRADE, AND MUST LINE UP AS SHOWN IN DETAIL.
2) ATTACH 2 x ___ x 4'-0" SCAB TO EACH FACE OF TRUSS ASSEMBLY WITH 2 ROWS OF 10d (0.131" X 3") NAILS SPACED 4" O.C. FROM EACH FACE. (SIZE AND GRADE TO MATCH VERTICAL WEBS OF PIGGYBACK AND BASE TRUSS.) (MINIMUM 2X4)
3) THIS CONNECTION IS ONLY VALID FOR A MAXIMUM CONCENTRATED LOAD OF 4000 LBS (@1.15). REVIEW BY A QUALIFIED ENGINEER IS REQUIRED FOR LOADS GREATER THAN 4000 LBS.
4) FOR PIGGYBACK TRUSSES CARRYING GIRDER LOADS, NUMBER OF PLYS OF PIGGYBACK TRUSS TO MATCH BASE TRUSS.
5) CONCENTRATED LOAD MUST BE APPLIED TO BOTH THE PIGGYBACK AND THE BASE TRUSS DESIGN.

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Date:
February 12, 2018

AUGUST 1, 2016	STANDARD PIGGYBACK TRUSS CONNECTION DETAIL	MII-PIGGY-ALT 7-10

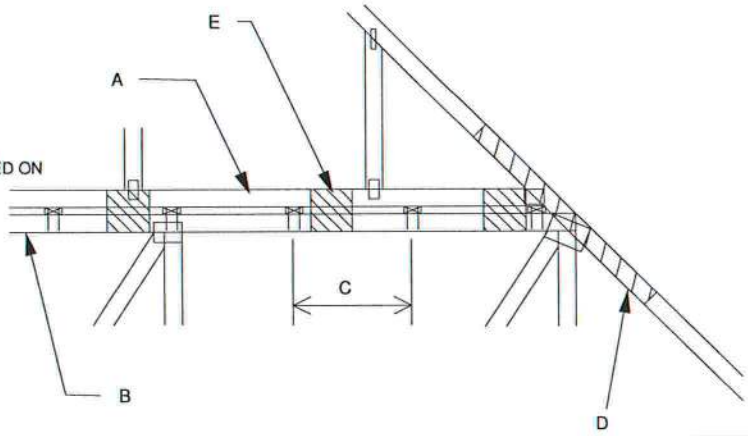
MiTek USA, Inc.

ENGINEERED BY TRENCO A MiTek Affiliate

MAXIMUM WIND SPEED = REFER TO NOTES D AND OR E MAX MEAN ROOF HEIGHT = 30 FEET MAX TRUSS SPACING = 24 " O.C. CATEGORY II BUILDING EXPOSURE B or C ASCE 7-10 DURATION OF LOAD INCREASE : 1.60
DETAIL IS NOT APPLICABLE FOR TRUSSES TRANSFERING DRAG LOADS (SHEAR TRUSSES). ADDITIONAL CONSIDERATIONS BY BUILDING ENGINEER/DESIGNER ARE REQUIRED.

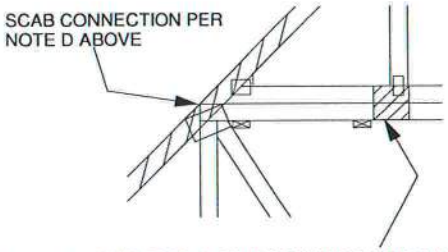
A - PIGGBACK TRUSS, REFER TO MITEK TRUSS DESIGN DRAWING. SHALL BE CONNECTED TO EACH PURLIN WITH (2) 0(0.131" X 3.5") TOE-NAILED.
B - BASE TRUSS, REFER TO MITEK TRUSS DESIGN DRAWING.
C - PURLINS AT EACH BASE TRUSS JOINT AND A MAXIMUM 24" O.C. UNLESS SPECIFIED CLOSER ON MITEK TRUSS DESIGN DRAWING. CONNECT TO BASE TRUSS WITH (2) (0.131" X 3.5") NAILS EACH.
D - 2 X___ X 4'-0" SCAB, SIZE TO MATCH TOP CHORD OF PIGGYBACK TRUSS, MIN GRADE #2, ATTACHED TO ONE FACE, CENTERED ON INTERSECTION, WITH (2) ROWS OF (0.131" X 3") NAILS @ 4" O.C. SCAB MAY BE OMITTED PROVIDED THE TOP CHORD SHEATHING IS CONTINUOUS OVER INTERSECTION AT LEAST 1 FT. IN BOTH DIRECTIONS AND:
1. WIND SPEED OF 115 MPH OR LESS FOR ANY PIGGYBACK SPAN, OR
2. WIND SPEED OF 116 MPH TO 160 MPH WITH A MAXIMUM PIGGYBACK SPAN OF 12 ft.

E - FOR WIND SPEED IN THE RANGE 126 MPH - 160 MPH ADD 9" x 9" x 1/2" PLYWOOD (or 7/16" OSB) GUSSET EACH SIDE AT 48" O.C. OR LESS. ATTACH WITH 3 - 6d (0.113" X 2") NAILS INTO EACH CHORD FROM EACH SIDE (TOTAL - 12 NAILS)

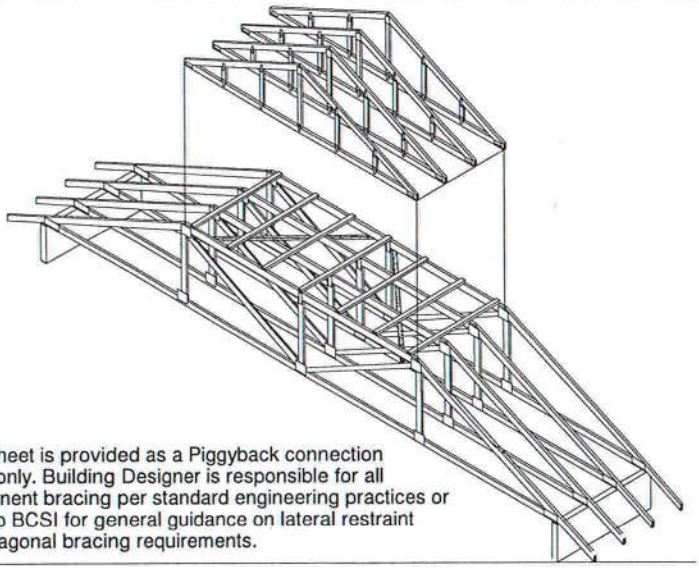


WHEN NO GAP BETWEEN PIGGYBACK AND BASE TRUSS EXISTS:

REPLACE TOE NAILING OF PIGGYBACK TRUSS TO PURLINS WITH PLYWOOD GUSSETS AS SHOWN, AND INSTALL PURLINS TO BOTTOM EDGE OF BASE TRUSS TOP CHORD AT SPECIFIED SPACING SHOWN ON BASE TRUSS MITEK DESIGN DRAWING.

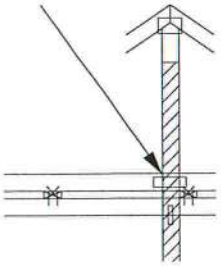


7" x 7" x 1/2" PLYWOOD (or 7/16" OSB) GUSSET EACH SIDE AT 24" O.C. ATTACH WITH 3 - 6d (0.113" X 2") NAILS INTO EACH CHORD FROM EACH SIDE (TOTAL - 12 NAILS)



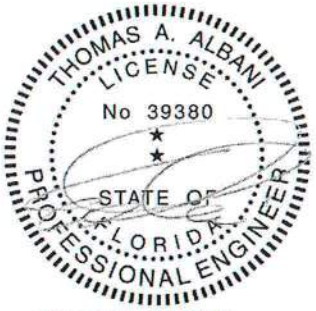
This sheet is provided as a Piggyback connection detail only. Building Designer is responsible for all permanent bracing per standard engineering practices or refer to BCSI for general guidance on lateral restraint and diagonal bracing requirements.

VERTICAL WEB TO EXTEND THROUGH BOTTOM CHORD OF PIGGYBACK



FOR LARGE CONCENTRATED LOADS APPLIED TO CAP TRUSS REQUIRING A VERTICAL WEB:

1) VERTICAL WEBS OF PIGGYBACK AND BASE TRUSS MUST MATCH IN SIZE, GRADE, AND MUST LINE UP AS SHOWN IN DETAIL.
2) ATTACH 2 x ___ x 4'-0" SCAB TO EACH FACE OF TRUSS ASSEMBLY WITH 2 ROWS OF 10d (0.131" X 3") NAILS SPACED 4" O.C. FROM EACH FACE. (SIZE AND GRADE TO MATCH VERTICAL WEBS OF PIGGYBACK AND BASE TRUSS.) (MINIMUM 2X4)
3) THIS CONNECTION IS ONLY VALID FOR A MAXIMUM CONCENTRATED LOAD OF 4000 LBS (@1.15). REVIEW BY A QUALIFIED ENGINEER IS REQUIRED FOR LOADS GREATER THAN 4000 LBS.
4) FOR PIGGYBACK TRUSSES CARRYING GIRDER LOADS, NUMBER OF PLYS OF PIGGYBACK TRUSS TO MATCH BASE TRUSS.
5) CONCENTRATED LOAD MUST BE APPLIED TO BOTH THE PIGGYBACK AND THE BASE TRUSS DESIGN.



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January 19, 2018

AUGUST 1, 2016	STANDARD REPAIR DETAIL FOR BROKEN CHORDS, WEBS AND DAMAGED OR MISSING CHORD SPLICE PLATES	MII-REP01A1

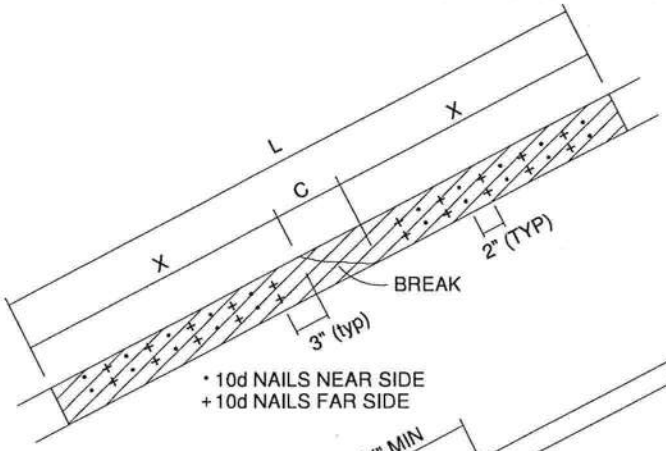
MiTek USA, Inc.
ENGINEERED BY TRENCO
A MiTek Affiliate

TOTAL NUMBER OF NAILS EACH SIDE OF BREAK *		X INCHES	MAXIMUM FORCE (lbs) 15% LOAD DURATION							
			SP		DF		SPF		HF	
2x4	2x6		2x4	2x6	2x4	2x6	2x4	2x6	2x4	2x6
20	30	24"	1706	2559	1561	2342	1320	1980	1352	2028
26	39	30"	2194	3291	2007	3011	1697	2546	1738	2608
32	48	36"	2681	4022	2454	3681	2074	3111	2125	3187
38	57	42"	3169	4754	2900	4350	2451	3677	2511	3767
44	66	48"	3657	5485	3346	5019	2829	4243	2898	4347

* DIVIDE EQUALLY FRONT AND BACK

ATTACH 2x_ SCAB OF THE SAME SIZE AND GRADE AS THE BROKEN MEMBER TO EACH FACE OF THE TRUSS (CENTER ON BREAK OR SPLICE) WITH 10d (0.131" X 3") NAILS (TWO ROWS FOR 2x4, THREE ROWS FOR 2x6) SPACED 4" O.C. AS SHOWN. STAGGER NAIL SPACING FROM FRONT FACE AND BACK FACE FOR A NET 0-2-0 O.C. SPACING IN THE MAIN MEMBER. USE A MIN. 0-3-0 MEMBER END DISTANCE.

THE LENGTH OF THE BREAK (C) SHALL NOT EXCEED 12". (C=PLATE LENGTH FOR SPLICE REPAIRS)
THE MINIMUM OVERALL SCAB LENGTH REQUIRED (L) IS CALCULATED AS FOLLOWS:
L = (2) X + C



THE LOCATION OF THE BREAK MUST BE GREATER THAN OR EQUAL TO THE REQUIRED X DIMENSION FROM ANY PERIMETER BREAK OR HEEL JOINT AND A MINIMUM OF 6" FROM ANY INTERIOR JOINT (SEE SKETCH ABOVE)

DO NOT USE REPAIR FOR JOINT SPLICES

NOTES:
1. THIS REPAIR DETAIL IS TO BE USED ONLY FOR THE APPLICATION SHOWN. THIS REPAIR DOES NOT IMPLY THAT THE REMAINING PORTION OF THE TRUSS IS UNDAMAGED. THE ENTIRE TRUSS SHALL BE INSPECTED TO VERIFY THAT NO FURTHER REPAIRS ARE REQUIRED. WHEN THE REQUIRED REPAIRS ARE PROPERLY APPLIED, THE TRUSS WILL BE CAPABLE OF SUPPORTING THE LOADS INDICATED.
2. ALL MEMBERS MUST BE RETURNED TO THEIR ORIGINAL POSITIONS BEFORE APPLING REPAIR AND HELD IN PLACE DURING APPLICATION OF REPAIR.
3. THE END DISTANCE, EDGE DISTANCE AND SPACING OF NAILS SHALL BE SUCH AS TO AVOID UNUSUAL SPLITTING OF THE WOOD.
4. WHEN NAILING THE SCABS, THE USE OF A BACKUP WEIGHT IS RECOMMENDED TO AVOID LOOSENING OF THE CONNECTOR PLATES AT THE JOINTS OR SPLICES.
5. THIS REPAIR IS TO BE USED FOR SINGLE PLY TRUSSES IN THE 2x_ ORIENTATION ONLY.
6. THIS REPAIR IS LIMITED TO TRUSSES WITH NO MORE THAN THREE BROKEN MEMBERS.

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AUGUST 1, 2016	LATERAL TOE-NAIL DETAIL	MII-TOENAIL_SP

MiTek USA, Inc.
ENGINEERED BY TRENCO
A MiTek Affiliate

NOTES:
1. TOE-NAILS SHALL BE DRIVEN AT AN ANGLE OF 45 DEGREES WITH THE MEMBER AND MUST HAVE FULL WOOD SUPPORT. (NAIL MUST BE DRIVEN THROUGH AND EXIT AT THE BACK CORNER OF THE MEMBER END AS SHOWN.
2. THE END DISTANCE, EDGE DISTANCE, AND SPACING OF NAILS SHALL BE SUCH AS TO AVOID UNUSUAL SPLITTING OF THE WOOD.
3. ALLOWABLE VALUE SHALL BE THE LESSER VALUE OF THE TWO SPECIES FOR MEMBERS OF DIFFERENT SPECIES.

THIS DETAIL APPLICABLE TO THE THREE END DETAILS SHOWN BELOW

VIEWS SHOWN ARE FOR ILLUSTRATION PURPOSES ONLY

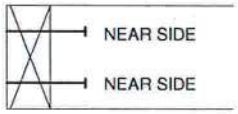
	TOE-NAIL SINGLE SHEAR VALUES PER NDS 2001 (lb/nail)					
	DIAM.	SP	DF	HF	SPF	SPF-S
3.5" LONG	.131	88.0	80.6	69.9	68.4	59.7
	.135	93.5	85.6	74.2	72.6	63.4
	.162	108.8	99.6	86.4	84.5	73.8
3.25" LONG	.128	74.2	67.9	58.9	57.6	50.3
	.131	75.9	69.5	60.3	59.0	51.1
	.148	81.4	74.5	64.6	63.2	52.5

VALUES SHOWN ARE CAPACITY PER TOE-NAIL.
APPLICABLE DURATION OF LOAD INCREASES MAY BE APPLIED.

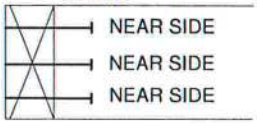
EXAMPLE:
(3) - 16d (0.162" X 3.5") NAILS WITH SPF SPECIES BOTTOM CHORD

For load duration increase of 1.15:
3 (nails) X 84.5 (lb/nail) X 1.15 (DOL) = 291.5 lb Maximum Capacity

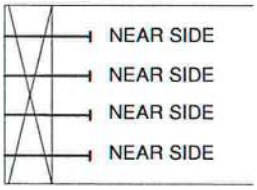
SIDE VIEW
(2x3)
2 NAILS

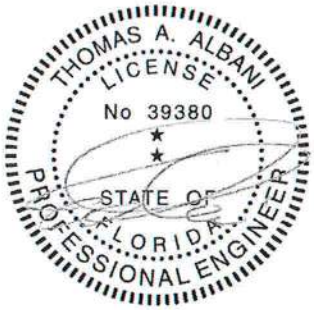


SIDE VIEW
(2x4)
3 NAILS



SIDE VIEW
(2x6)
4 NAILS





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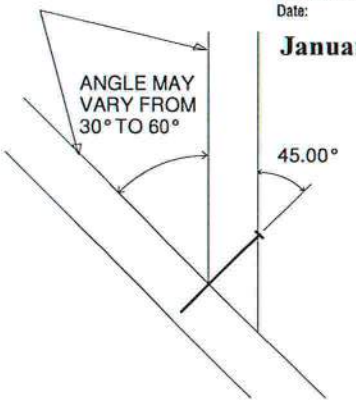
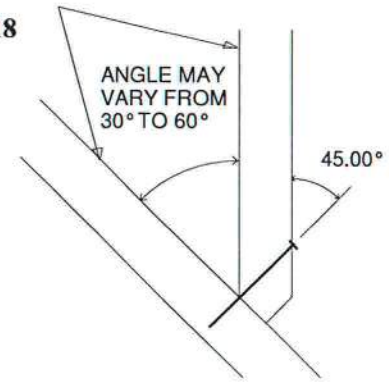
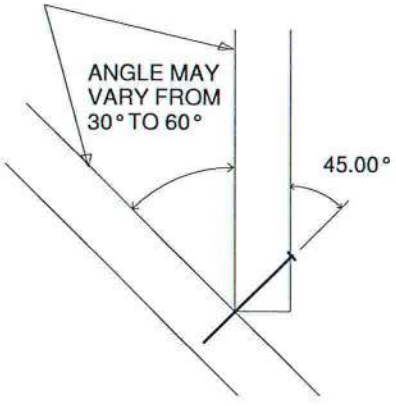




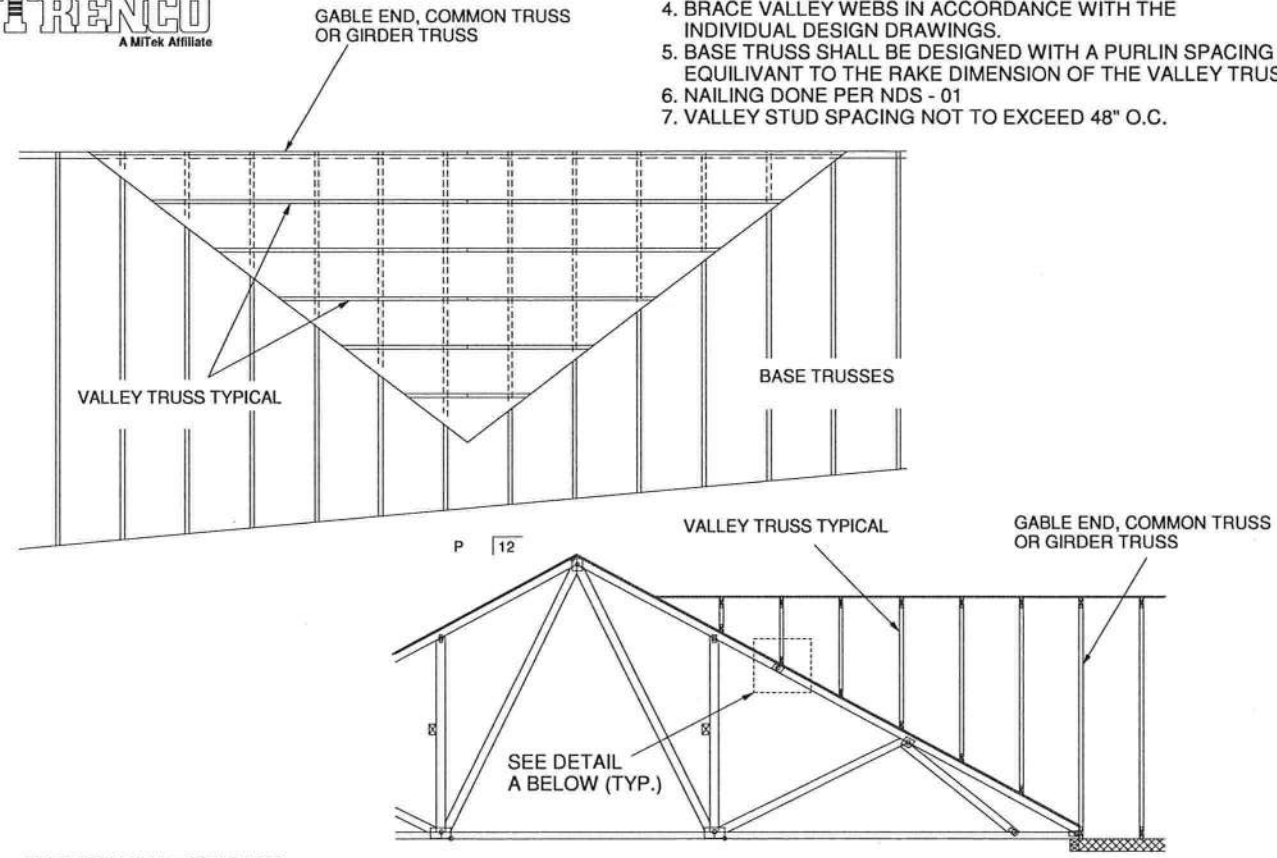


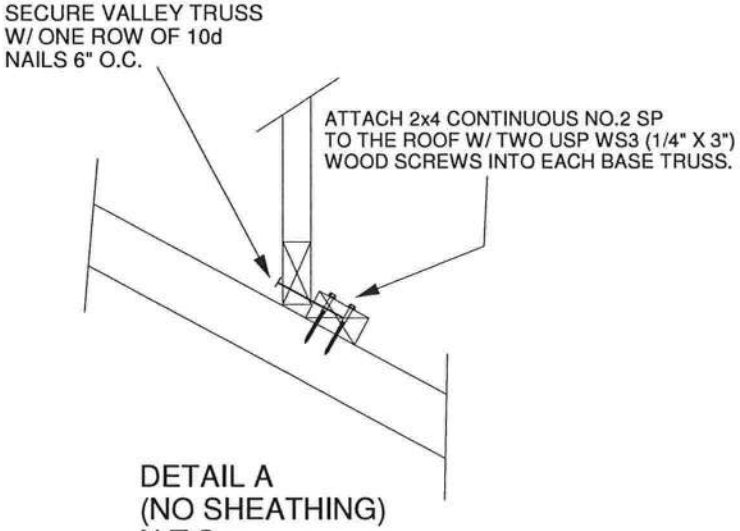
AUGUST 1, 2016	TRUSSED VALLEY SET DETAIL	MII-VALLEY HIGH WIND1

MiTek USA, Inc.
ENGINEERED BY TRENCO
A MiTek Affiliate

GENERAL SPECIFICATIONS

1. NAIL SIZE 10d (0.131" X 3")
2. WOOD SCREW = 3" WS3 USP OR EQUIVALENT
   DO NOT USE DRYWALL OR DECKING TYPE SCREW
3. INSTALL VALLEY TRUSSES (24" O.C. MAXIMUM) AND SECURE PER DETAIL A
4. BRACE VALLEY WEBS IN ACCORDANCE WITH THE INDIVIDUAL DESIGN DRAWINGS.
5. BASE TRUSS SHALL BE DESIGNED WITH A PURLIN SPACING EQUILIVANT TO THE RAKE DIMENSION OF THE VALLEY TRUSS SPACING.
6. NAILING DONE PER NDS - 01
7. VALLEY STUD SPACING NOT TO EXCEED 48" O.C.





DETAIL A
(NO SHEATHING)
N.T.S.

WIND DESIGN PER ASCE 7-98, ASCE 7-02, ASCE 7-05 146 MPH
WIND DESIGN PER ASCE 7-10 160 MPH
MAX MEAN ROOF HEIGHT = 30 FEET
ROOF PITCH = MINIMUM 3/12 MAXIMUM 6/12
CATEGORY II BUILDING
EXPOSURE C
WIND DURATION OF LOAD INCREASE : 1.60
MAX TOP CHORD TOTAL LOAD = 50 PSF
MAX SPACING = 24" O.C. (BASE AND VALLEY)
MINIMUM REDUCED DEAD LOAD OF 6 PSF
ON THE TRUSSES

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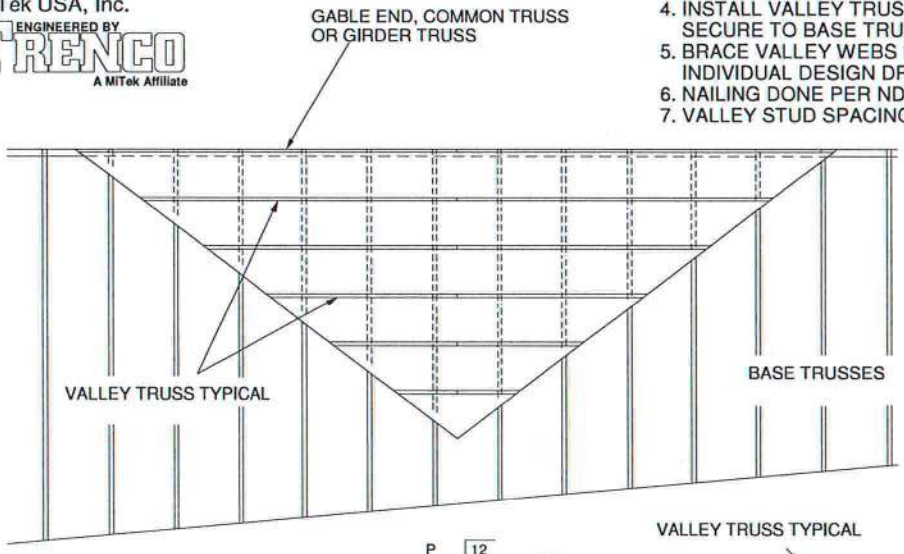
January 19, 2018

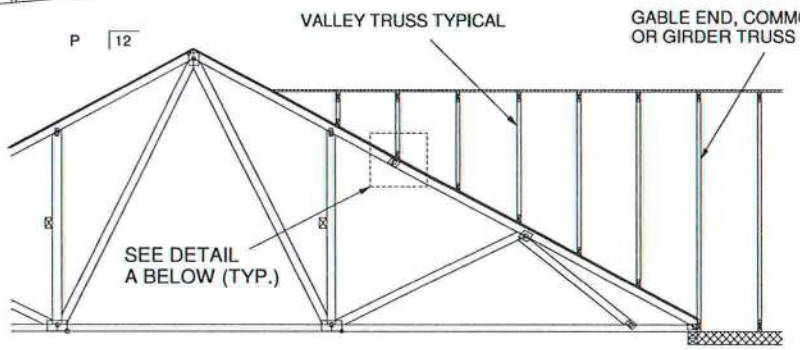
AUGUST 1, 2016	TRUSSED VALLEY SET DETAIL	MII-VALLEY HIGH WIND2

MiTek USA, Inc.
ENGINEERED BY TRENCO
A MiTek Affiliate

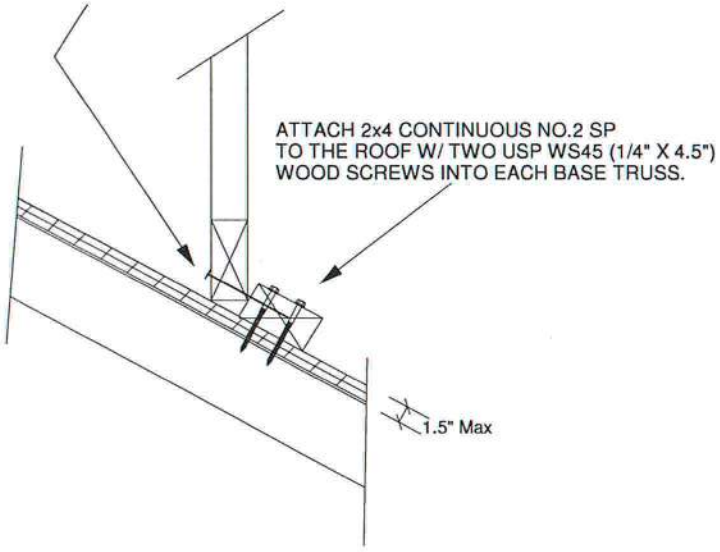
GENERAL SPECIFICATIONS

1. NAIL SIZE 10d (0.131" X 3")
2. WOOD SCREW = 4.5" WS45 USP OR EQUILIVANT
3. INSTALL SHEATHING TO TOP CHORD OF BASE TRUSSES.
4. INSTALL VALLEY TRUSSES (24" O.C. MAXIMUM) AND SECURE TO BASE TRUSSES AS PER DETAIL A
5. BRACE VALLEY WEBS IN ACCORDANCE WITH THE INDIVIDUAL DESIGN DRAWINGS.
6. NAILING DONE PER NDS-01
7. VALLEY STUD SPACING NOT TO EXCEED 48" O.C.

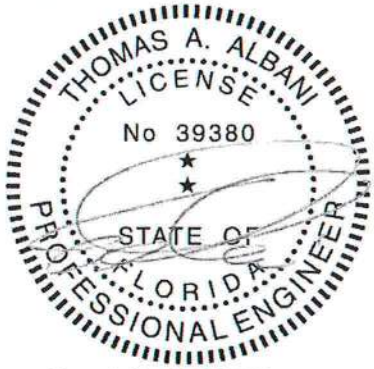




SECURE VALLEY TRUSS
W/ ONE ROW OF 10d
NAILS 6" O.C.



WIND DESIGN PER ASCE 7-98, ASCE 7-02, ASCE 7-05 146 MPH
WIND DESIGN PER ASCE 7-10 160 MPH
MAX MEAN ROOF HEIGHT = 30 FEET
ROOF PITCH = MINIMUM 3/12 MAXIMUM 6/12
CATEGORY II BUILDING
EXPOSURE C
WIND DURATION OF LOAD INCREASE : 1.60
MAX TOP CHORD TOTAL LOAD = 50 PSF
MAX SPACING = 24" O.C. (BASE AND VALLEY)
MINIMUM REDUCED DEAD LOAD OF 6 PSF
ON THE TRUSSES



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February 12, 2018

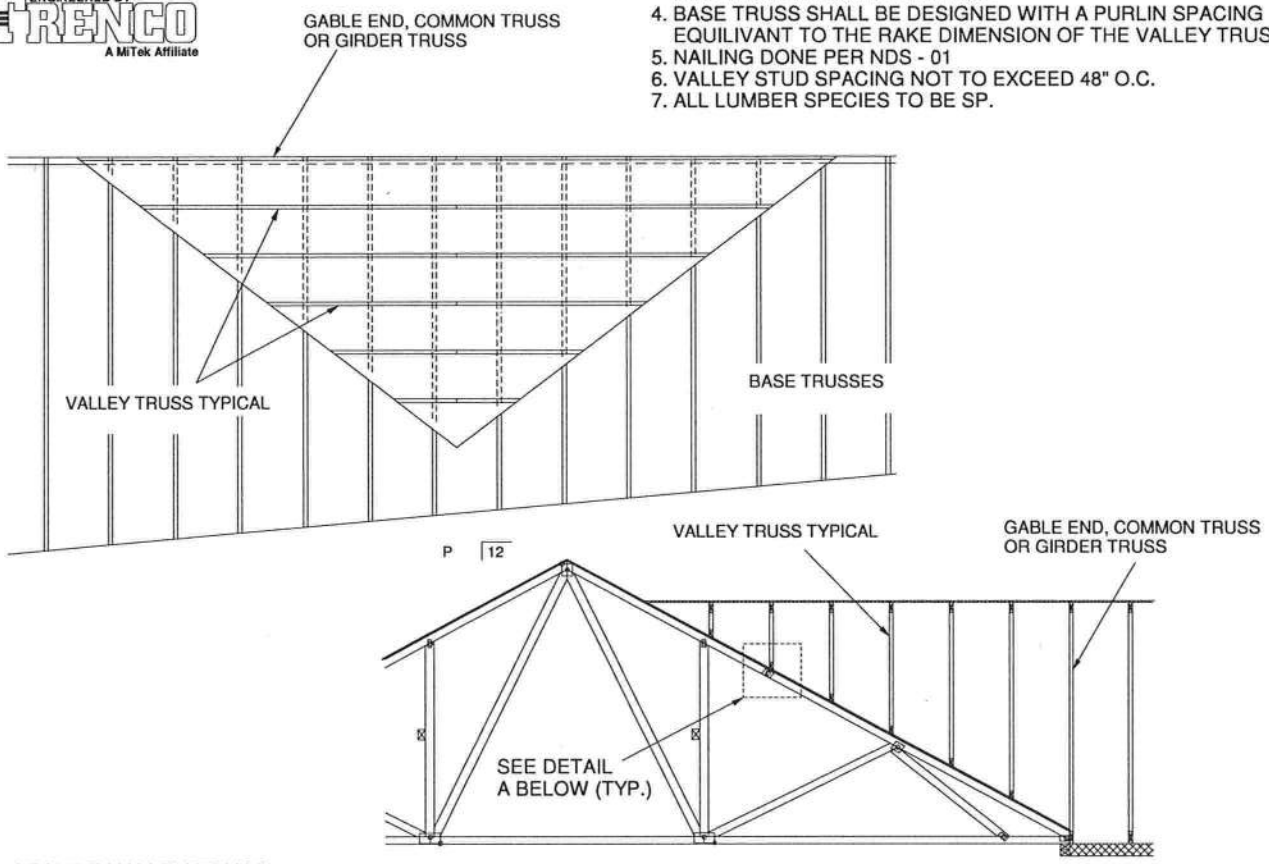
AUGUST 1, 2016	TRUSSED VALLEY SET DETAIL	MII-VALLEY SP

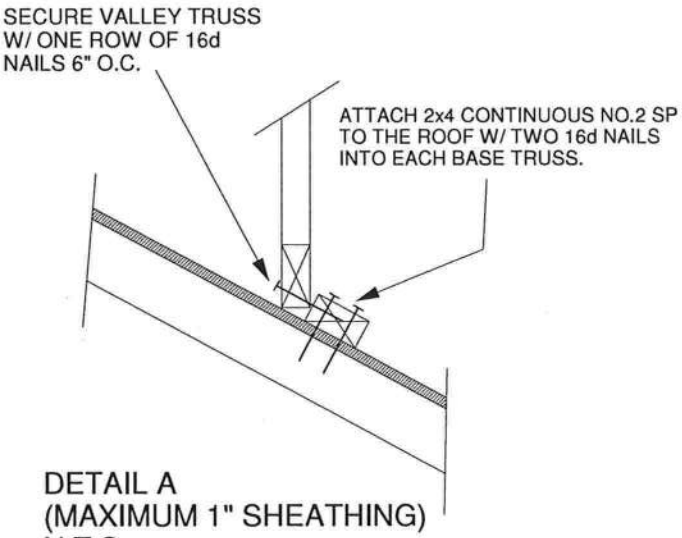
MiTek USA, Inc.

ENGINEERED BY TRENCO
A MiTek Affiliate

GENERAL SPECIFICATIONS

1. NAIL SIZE 16d (0.131" X 3.5")
2. INSTALL VALLEY TRUSSES (24" O.C. MAXIMUM) AND SECURE PER DETAIL A
3. BRACE VALLEY WEBS IN ACCORDANCE WITH THE INDIVIDUAL DESIGN DRAWINGS.
4. BASE TRUSS SHALL BE DESIGNED WITH A PURLIN SPACING EQUILIVANT TO THE RAKE DIMENSION OF THE VALLEY TRUSS SPACING.
5. NAILING DONE PER NDS - 01
6. VALLEY STUD SPACING NOT TO EXCEED 48" O.C.
7. ALL LUMBER SPECIES TO BE SP.





DETAIL A
(MAXIMUM 1" SHEATHING)
N.T.S.

WIND DESIGN PER ASCE 7-98, ASCE 7-02, ASCE 7-05 120 MPH
WIND DESIGN PER ASCE 7-10 150 MPH
MAX MEAN ROOF HEIGHT = 30 FEET
ROOF PITCH = MINIMUM 3/12 MAXIMUM 10/12
CATEGORY II BUILDING
EXPOSURE C OR B
WIND DURATION OF LOAD INCREASE : 1.60
MAX TOP CHORD TOTAL LOAD = 60 PSF
MAX SPACING = 24" O.C. (BASE AND VALLEY)
MINIMUM REDUCED DEAD LOAD OF 4.2 PSF ON THE TRUSSES

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AUGUST 1, 2016	TRUSSED VALLEY SET DETAIL (HIGH WIND VELOCITY)	MII-VALLEY

MiTek USA, Inc.

MiTek USA, Inc. Page 1 of 1

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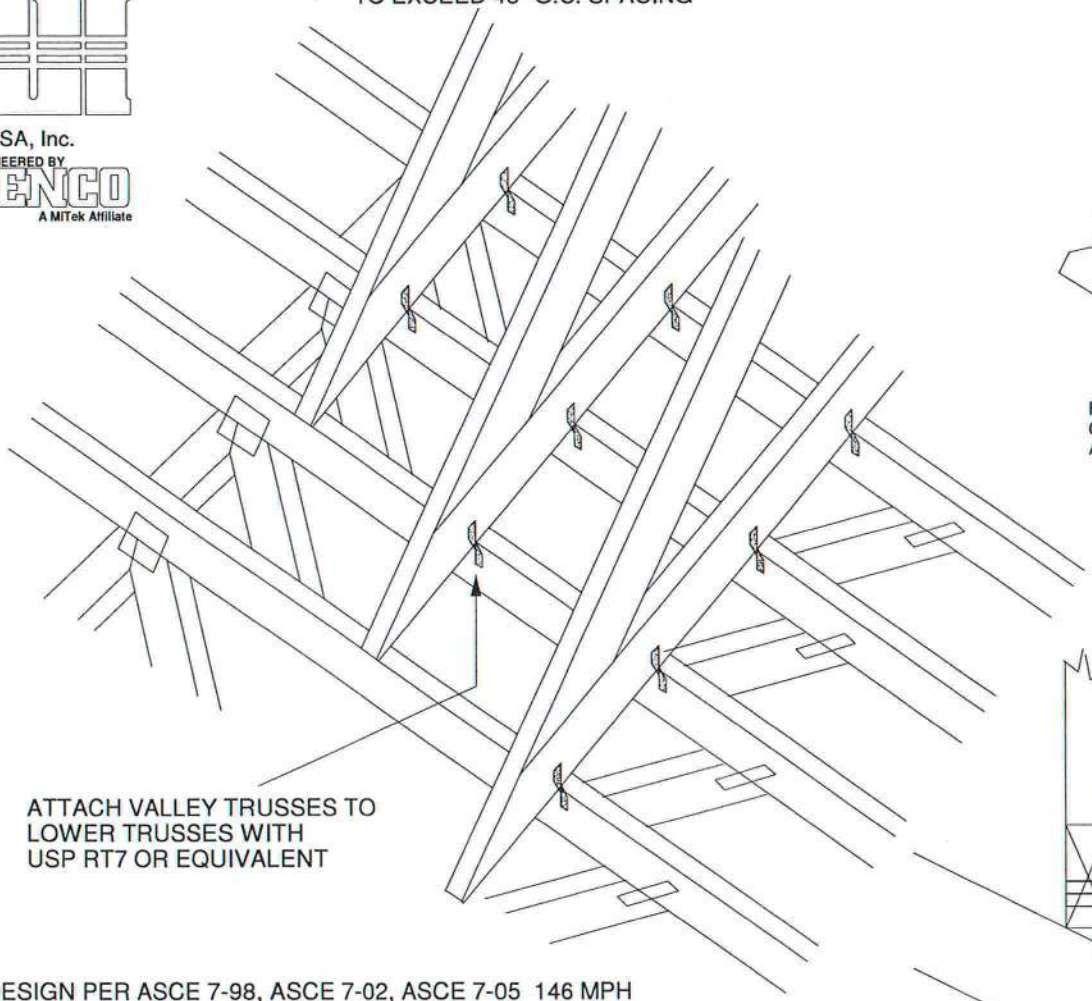
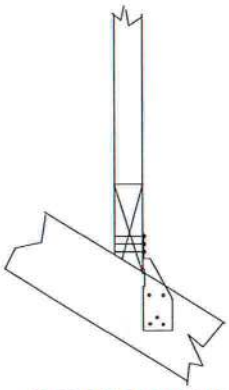
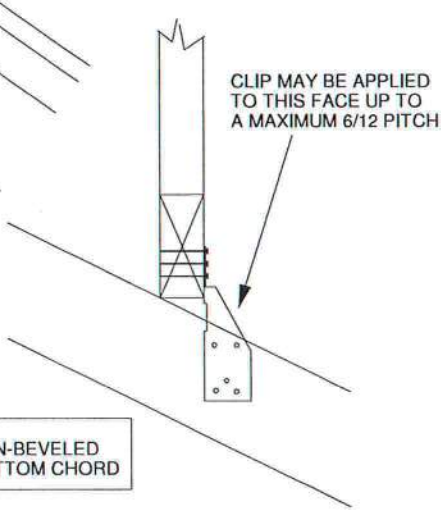
NOTE: VALLEY STUD SPACING NOT TO EXCEED 48" O.C. SPACING



ATTACH VALLEY TRUSSES TO LOWER TRUSSES WITH USP RT7 OR EQUIVALENT



FOR BEVELED BOTTOM CHORD, CLIP MAY BE APPLIED TO EITHER FACE



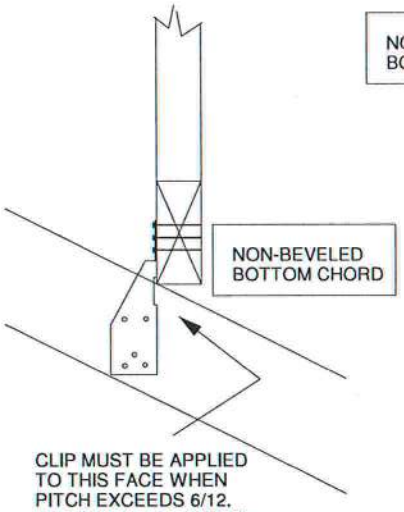
CLIP MAY BE APPLIED TO THIS FACE UP TO A MAXIMUM 6/12 PITCH

NON-BEVELED BOTTOM CHORD

WIND DESIGN PER ASCE 7-98, ASCE 7-02, ASCE 7-05 146 MPH
WIND DESIGN PER ASCE 7-10 160 MPH
MAX MEAN ROOF HEIGHT = 30 FEET
CATEGORY II BUILDING
EXPOSURE B or C
WIND DURATION OF LOAD INCREASE : 1.6
MAX TOP CHORD TOTAL LOAD = 50 PSF
MAX SPACING = 24" O.C. (BASE AND VALLEY)

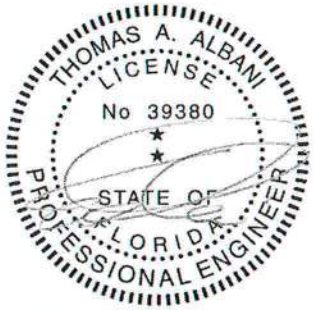
SUPPORTING TRUSSES DIRECTLY UNDER VALLEY TRUSSES MUST BE DESIGNED WITH A MAXIMUM UNBRACED LENGTH OF 2'-10" ON AFFECTED TOP CHORDS.

NOTES:
- SHEATHING APPLIED AFTER INSTALLATION OF VALLEY TRUSSES
- THIS DETAIL IS NOT APPLICABLE FOR SPF-S SPECIES LUMBER.



NON-BEVELED BOTTOM CHORD

CLIP MUST BE APPLIED TO THIS FACE WHEN PITCH EXCEEDS 6/12. (MAXIMUM 12/12 PITCH)



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January 19, 2018

AUGUST 1, 2016	Standard Gable End Detail	MII-GE146-001

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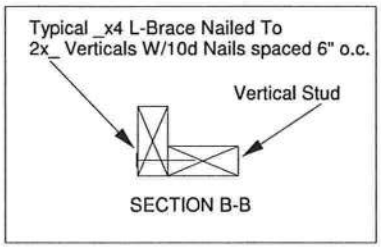
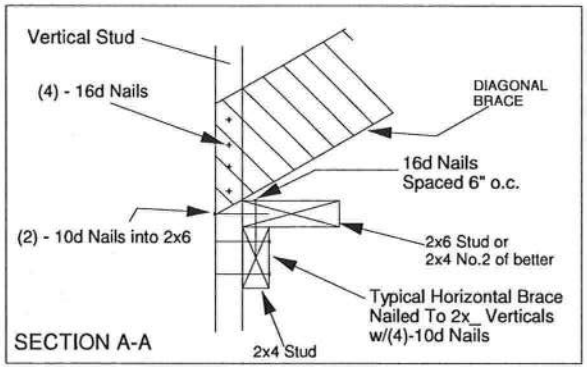
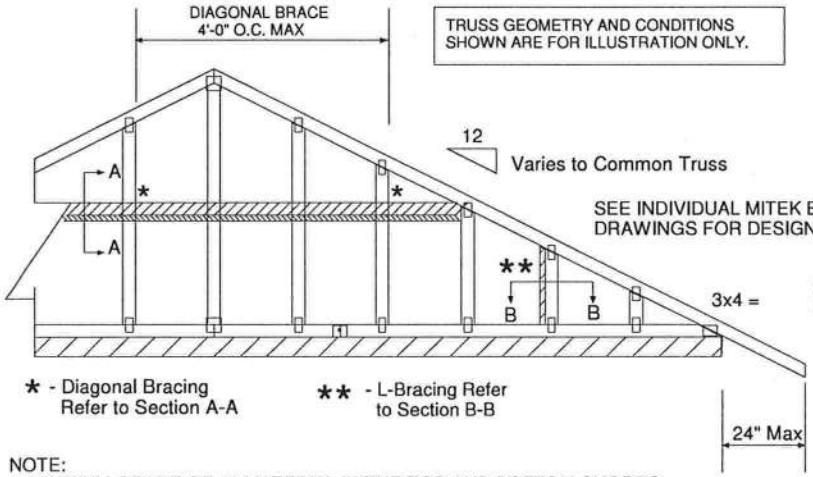






TRUSS GEOMETRY AND CONDITIONS SHOWN ARE FOR ILLUSTRATION ONLY.

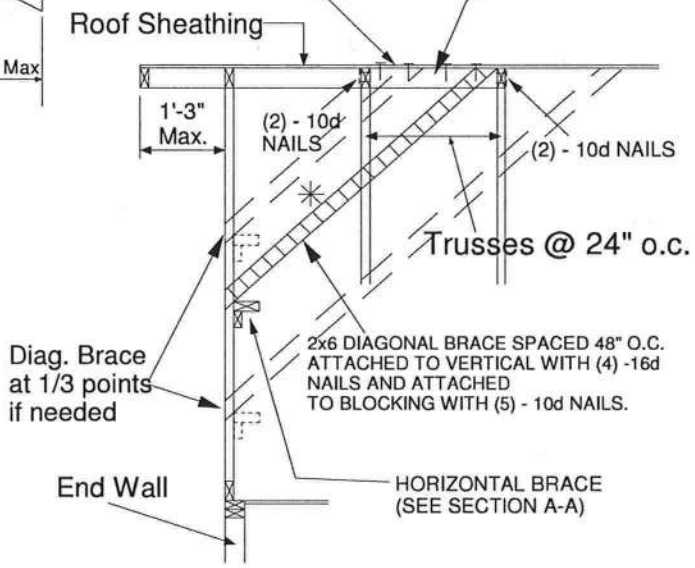
SEE INDIVIDUAL MITEK ENGINEERING DRAWINGS FOR DESIGN CRITERIA

* - Diagonal Bracing Refer to Section A-A

** - L-Bracing Refer to Section B-B

PROVIDE 2x4 BLOCKING BETWEEN THE FIRST TWO TRUSSES AS NOTED. TOENAIL BLOCKING TO TRUSSES WITH (2) - 10d NAILS AT EACH END. ATTACH DIAGONAL BRACE TO BLOCKING WITH (5) - 10d NAILS.

(4) - 8d (0.131" X 2.5") NAILS MINIMUM, PLYWOOD SHEATHING TO 2x4 STD SP BLOCK



NOTE:
1. MINIMUM GRADE OF #2 MATERIAL IN THE TOP AND BOTTOM CHORDS.
2. CONNECTION BETWEEN BOTTOM CHORD OF GABLE END TRUSS AND WALL TO BE PROVIDED BY PROJECT ENGINEER OR ARCHITECT.
3. BRACING SHOWN IS FOR INDIVIDUAL TRUSS ONLY. CONSULT BLDG. ARCHITECT OR ENGINEER FOR TEMPORARY AND PERMANENT BRACING OF ROOF SYSTEM.
4. "L" BRACES SPECIFIED ARE TO BE FULL LENGTH. GRADES: 2x4 No 3/STUD SP OR BETTER WITH ONE ROW OF 10d NAILS SPACED 6" O.C.
5. DIAGONAL BRACE TO BE APPROXIMATELY 45 DEGREES TO ROOF DIAPHRAM AT 4'-0" O.C.
6. CONSTRUCT HORIZONTAL BRACE CONNECTING A 2x6 STUD AND A 2x4 STUD AS SHOWN WITH 16d NAILS SPACED 6" O.C. HORIZONTAL BRACE TO BE LOCATED AT THE MIDSPAN OF THE LONGEST STUD. ATTACH TO VERTICAL STUDS WITH (4) 10d NAILS THROUGH 2x4. (REFER TO SECTION A-A)
7. GABLE STUD DEFLECTION MEETS OR EXCEEDS L/240.
8. THIS DETAIL DOES NOT APPLY TO STRUCTURAL GABLES.
9. DO NOT USE FLAT BOTTOM CHORD GABLES NEXT TO SCISSOR TYPE TRUSSES.
10. NAILS DESIGNATED 10d ARE (0.131" X 3") AND NAILS DESIGNATED 16d ARE (0.131" X 3.5")

Minimum Stud Size Species and Grade	Stud Spacing	Without Brace	2x4 L-Brace	DIAGONAL BRACE	2 DIAGONAL BRACES AT 1/3 POINTS
		Maximum Stud Length			
2x4 SP No 3/Stud	12" O.C.	3-11-3	6-8-0	7-2-14	11-9-10
2x4 SP No 3/Stud	16" O.C.	3-6-14	5-9-5	7-1-13	10-8-11
2x4 SP No 3/Stud	24" O.C.	3-1-8	4-8-9	6-2-15	9-4-7

✳ Diagonal braces over 6'-3" require a 2x4 T-Brace attached to one edge. Diagonal braces over 12'-6" require 2x4 I-braces attached to both edges. Fasten T and I braces to narrow edge of web with 10d nails 8" o.c., with 3" minimum end distance. Brace must cover 90% of diagonal length.

MAXIMUM WIND SPEED = 146 MPH
MAX MEAN ROOF HEIGHT = 30 FEET
CATEGORY II BUILDING
EXPOSURE B or C
ASCE 7-98, ASCE 7-02, ASCE 7-05
DURATION OF LOAD INCREASE : 1.60

STUD DESIGN IS BASED ON COMPONENTS AND CLADDING.
CONNECTION OF BRACING IS BASED ON MWFRS.

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January 19, 2018

OCTOBER 5, 2016	REPLACE BROKEN OVERHANG	MII-REP13B

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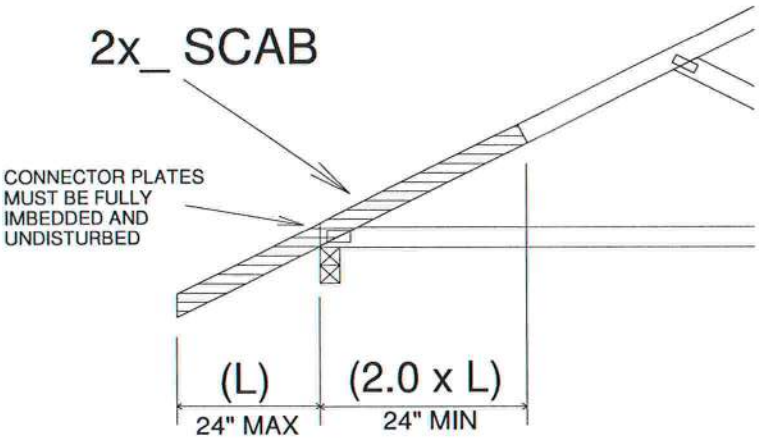
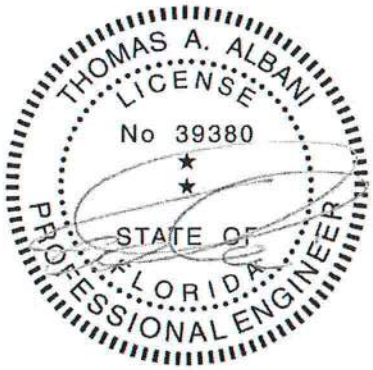
TRUSS CRITERIA:
LOADING: 40-10-0-10
DURATION FACTOR: 1.15
SPACING: 24" O.C.
TOP CHORD: 2x4 OR 2x6
PITCH: 4/12 - 12/12
HEEL HEIGHT: STANDARD HEEL UP TO 12" ENERGY HEEL
END BEARING CONDITION

NOTES:
1. ATTACH 2x_ SCAB (MINIMUM NO.2 GRADE SPF, HF, SP, DF) TO ONE FACE OF TRUSS WITH TWO ROWS OF 10d (0.131" X 3") SPACED 6" O.C.
2. THE END DISTANCE, EDGE DISTANCE, AND SPACING OF NAILS SHALL BE SUCH AS TO AVOID UNUSUAL SPLITTING OF THE WOOD.
3. WHEN NAILING THE SCABS, THE USE OF A BACKUP WEIGHT IS RECOMMENDED TO AVOID LOOSENING OF THE CONNECTOR PLATES AT THE JOINTS OR SPLICES.



IMPORTANT
This detail to be used only with trusses (spans less than 40') spaced 24" o.c. maximum and having pitches between 4/12 and 12/12 and total top chord loads not exceeding 50 psf.
Trusses not fitting these criteria should be examined individually.

REFER TO INDIVIDUAL TRUSS DESIGN FOR PLATE SIZES AND LUMBER GRADES



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February 12, 2018

AUGUST 1, 2016	LATERAL BRACING RECOMMENDATIONS	MII-STRGBCK

MiTek USA, Inc.
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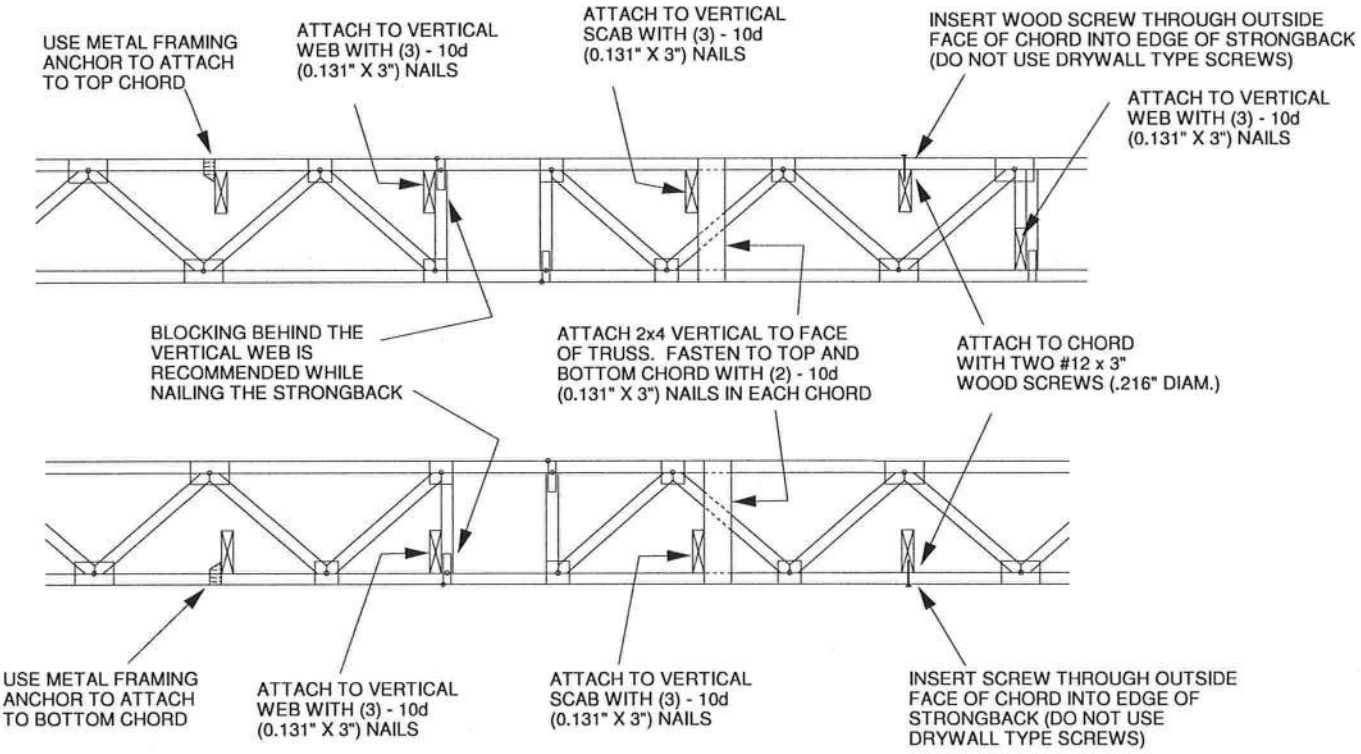
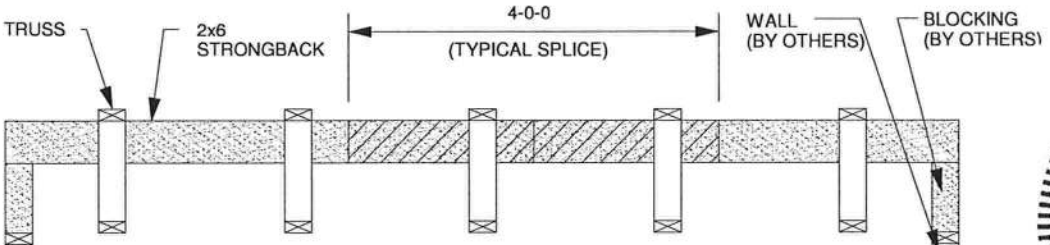
TO MINIMIZE VIBRATION COMMON TO ALL SHALLOW FRAMING SYSTEMS, 2x6 "STRONGBACK" IS RECOMMENDED, LOCATED EVERY 8 TO 10 FEET ALONG A FLOOR TRUSS.

NOTE 1: 2X6 STRONGBACK ORIENTED VERTICALLY MAY BE POSITIONED DIRECTLY UNDER THE TOP CHORD OR DIRECTLY ABOVE THE BOTTOM CHORD. SECURELY FASTENED TO THE TRUSS USING ANY OF THE METHODS ILLUSTRATED BELOW.

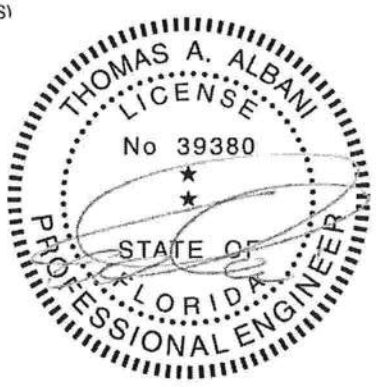
NOTE 2: STRONGBACK BRACING ALSO SATISFIES THE LATERAL BRACING REQUIREMENTS FOR THE BOTTOM CHORD OF THE TRUSS WHEN IT IS PLACED ON TOP OF THE BOTTOM CHORD, IS CONTINUOUS FROM END TO END, CONNECTED WITH A METHOD OTHER THAN METAL FRAMING ANCHOR, AND PROPERLY CONNECTED, BY OTHERS, AT THE ENDS.





THE STRONGBACKS SHALL BE SECURED AT THEIR ENDS TO ADEQUATE SUPPORT, DESIGNED BY OTHERS. IF SPLICING IS NECESSARY, USE A 4'-0" LONG SCAB CENTERED ON THE SPLICE AND JOINED WITH (12) - 10d (0.131" X 3") NAILS EQUALLY SPACED.

ALTERNATE METHOD OF SPLICING:
OVERLAP STRONGBACK MEMBERS A MINIMUM OF 4'-0" AND FASTEN WITH (12) - 10d (0.131" X 3") NAILS STAGGERED AND EQUALLY SPACED.
(TO BE USED ONLY WHEN STRONGBACK IS NOT ALIGNED WITH A VERTICAL)



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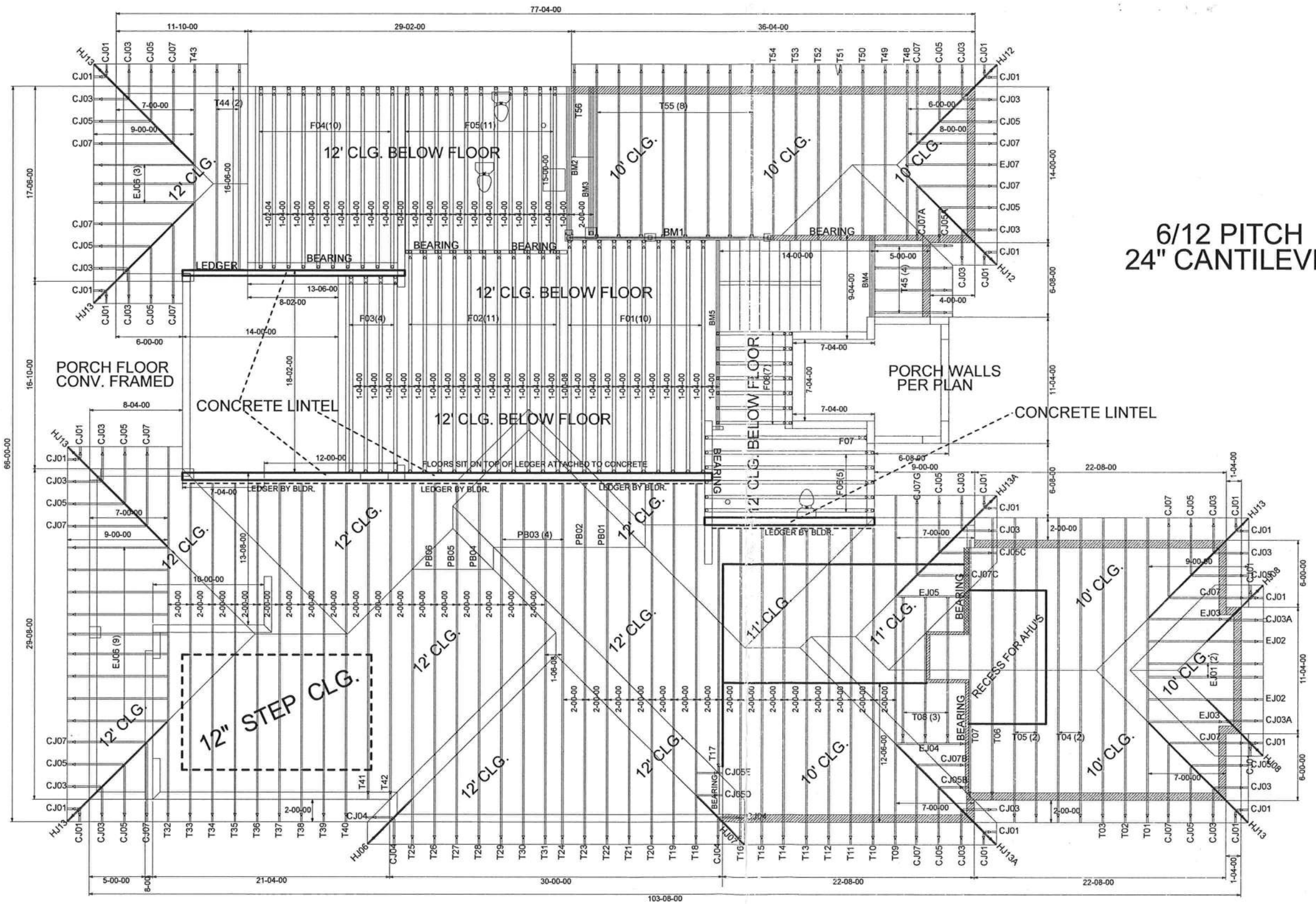
Date:
February 12, 2018

ALL STEPED CEILINGS TO BE DROP FRAMED BELOW FLOORS

ALL BEAMS PER STRUCTURAL



6/12 PITCH
24" CANTILEVER

BEARING HEIGHT SCHEDULE

- 12' - 0"
- 11' - 0"
- 10' - 0"

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 V105 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

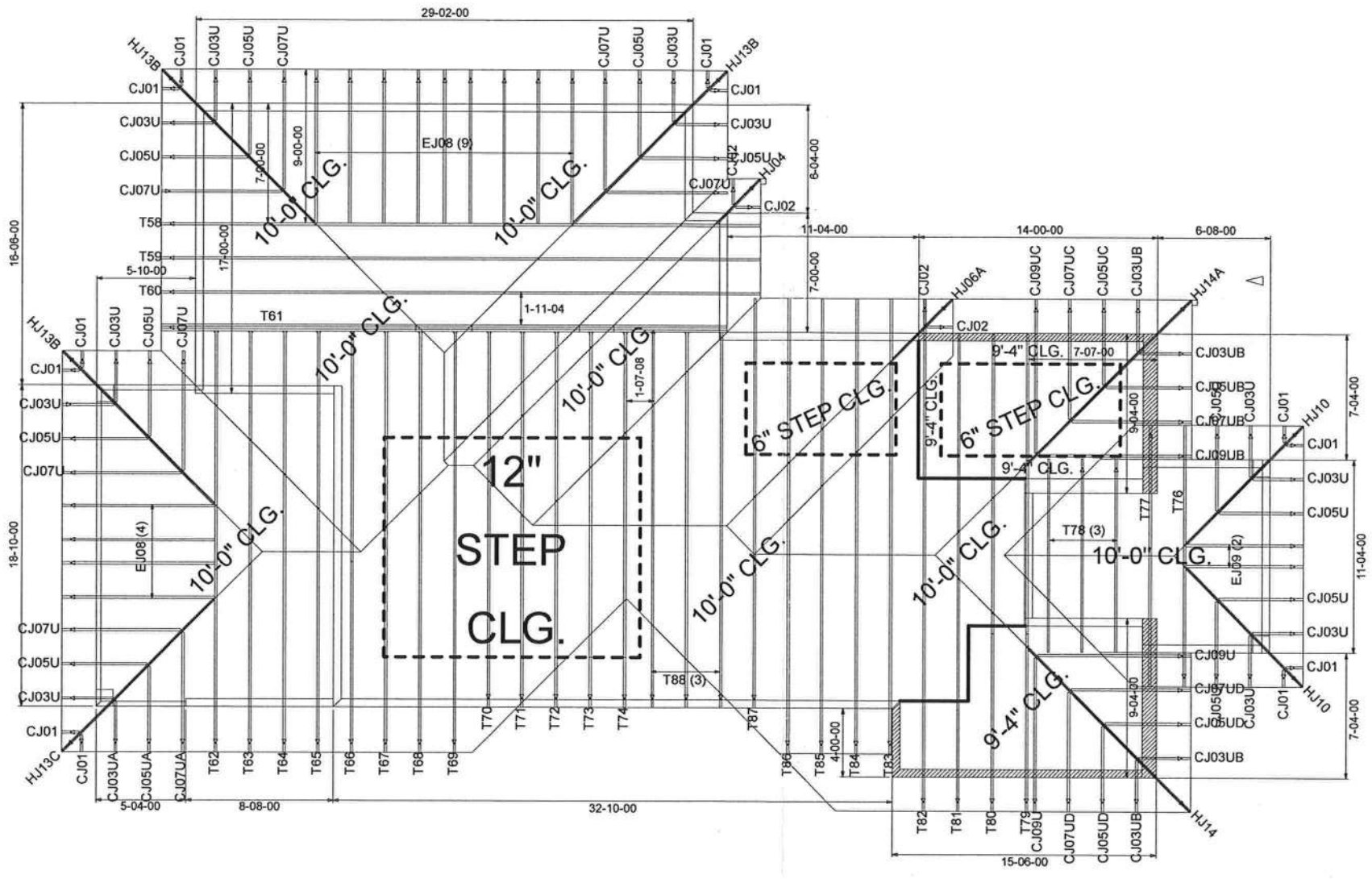
BUILDER: SLAY RES.

LEGAL ADDRESS:

MODEL:		Revision: Rev. By:
DATE: 8-7-20	DRAWN BY: KLH	Original Reference #: 2432497
1st Level Ref.:	2nd Level Job #:	Roof Ref.: 2432497

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

6/12 PITCH - 24" CANTILEVER



9'-4" PLATE HEIGHT WALLS
LEVEL RETURNS TO BE APPLIED IN FIELD
TO CREATE THE CANTILEVER LOOK
AT 8'-4" PER ELEVATION

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

BEARING HEIGHT SCHEDULE

- 10 - 0"
- 9' - 4"

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 V105 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.

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