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

RE: 1291636 -

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

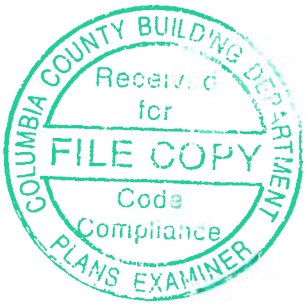
Site Information:
Customer Info: Lewis Walker Project Name: Lewis Walker Res. Model: N/A
Lot/Block: N/A Subdivision: N/A
Address: 11394 SE CR 245
City: Columbia Cty State: FL

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: FBC2014/TPI2007 Design Program: MiTek 20/20 7.6
Wind Code: ASCE 7-10 Wind Speed: 140 mph
Roof Load: 37.0 psf Floor Load: 55.0 psf

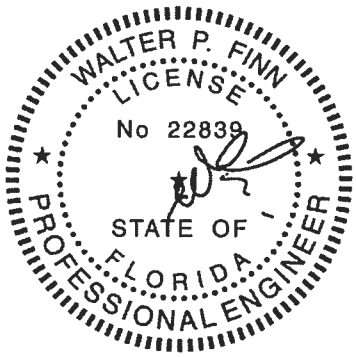
This package includes 97 individual, Truss Design Drawings and 0 Additional Drawings.
With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.

No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	T12775924	A1	12/19/17	18	T12775941	D2	12/19/17
2	T12775925	A2	12/19/17	19	T12775942	D3	12/19/17
3	T12775926	A3	12/19/17	20	T12775943	D4	12/19/17
4	T12775927	A4	12/19/17	21	T12775944	D5	12/19/17
5	T12775928	B1	12/19/17	22	T12775945	D6	12/19/17
6	T12775929	B2	12/19/17	23	T12775946	F1	12/19/17
7	T12775930	C2	12/19/17	24	T12775947	F2	12/19/17
8	T12775931	CJ1A	12/19/17	25	T12775948	F3	12/19/17
9	T12775932	CJ2	12/19/17	26	T12775949	F4	12/19/17
10	T12775933	CJ2A	12/19/17	27	T12775950	F5	12/19/17
11	T12775934	CJ2B	12/19/17	28	T12775951	F6	12/19/17
12	T12775935	CJ2C	12/19/17	29	T12775952	F7	12/19/17
13	T12775936	CJ2D	12/19/17	30	T12775953	F8	12/19/17
14	T12775937	CJ4	12/19/17	31	T12775954	FG1	12/19/17
15	T12775938	CJ5A	12/19/17	32	T12775955	FG6	12/19/17
16	T12775939	CJ5B	12/19/17	33	T12775956	FG8	12/19/17
17	T12775940	D1	12/19/17	34	T12775957	FG13	12/19/17



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 (Groveland, FL).

Truss Design Engineer's Name: Finn, Walter
My license renewal date for the state of Florida is February 28, 2019.



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

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

December 19,2017

RE: 1291636 -

Site Information:

Customer Info: Lewis Walker Project Name: Lewis Walker Res. Model: N/A
Lot/Block: N/A Subdivision: N/A
Address: 11394 SE CR 245
City: Columbia Cty State: FL

No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
35	T12775958	FG14	12/19/17	78	T12776001	UB3	12/19/17
36	T12775959	FG15	12/19/17	79	T12776002	UCJ1	12/19/17
37	T12775960	FT16	12/19/17	80	T12776003	UCJ3	12/19/17
38	T12775961	G1	12/19/17	81	T12776004	UCJ5	12/19/17
39	T12775962	H1	12/19/17	82	T12776005	UEJ5	12/19/17
40	T12775963	H7	12/19/17	83	T12776006	UEJ7	12/19/17
41	T12775964	H8	12/19/17	84	T12776007	UHJ5	12/19/17
42	T12775965	H9	12/19/17	85	T12776008	UHJ7	12/19/17
43	T12775966	H10	12/19/17	86	T12776009	UHJ9	12/19/17
44	T12775967	H11	12/19/17	87	T12776010	UHJ10	12/19/17
45	T12775968	HJ1	12/19/17	88	T12776011	UV3A	12/19/17
46	T12775969	HJ2	12/19/17	89	T12776012	UV5	12/19/17
47	T12775970	HJ3	12/19/17	90	T12776013	V3	12/19/17
48	T12775971	HJ4	12/19/17	91	T12776014	V3B	12/19/17
49	T12775972	HJ5	12/19/17	92	T12776015	V3C	12/19/17
50	T12775973	M2	12/19/17	93	T12776016	V4	12/19/17
51	T12775974	T2GE	12/19/17	94	T12776017	V6	12/19/17
52	T12775975	T3GE	12/19/17	95	T12776018	V7	12/19/17
53	T12775976	T9	12/19/17	96	T12776019	V10	12/19/17
54	T12775977	T10	12/19/17	97	T12776020	V11	12/19/17
55	T12775978	T11	12/19/17				
56	T12775979	UA1	12/19/17				
57	T12775980	UA2	12/19/17				
58	T12775981	UA3	12/19/17				
59	T12775982	UA4	12/19/17				
60	T12775983	UA5	12/19/17				
61	T12775984	UA6	12/19/17				
62	T12775985	UA7	12/19/17				
63	T12775986	UA8	12/19/17				
64	T12775987	UA9	12/19/17				
65	T12775988	UA10	12/19/17				
66	T12775989	UA11	12/19/17				
67	T12775990	UA12	12/19/17				
68	T12775991	UA13	12/19/17				
69	T12775992	UA14	12/19/17				
70	T12775993	UA15	12/19/17				
71	T12775994	UA16	12/19/17				
72	T12775995	UA17	12/19/17				
73	T12775996	UA18	12/19/17				
74	T12775997	UA19	12/19/17				
75	T12775998	UA20	12/19/17				
76	T12775999	UB1	12/19/17				
77	T12776000	UB2	12/19/17				

Job	Truss	Truss Type	Qty	Ply	T12775924
1291636	A1	Common Supported Gable	1	1	Job Reference (optional)

Builder's First Source, Groveland, FL 34736 — 8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:51:01 2017 Page 1
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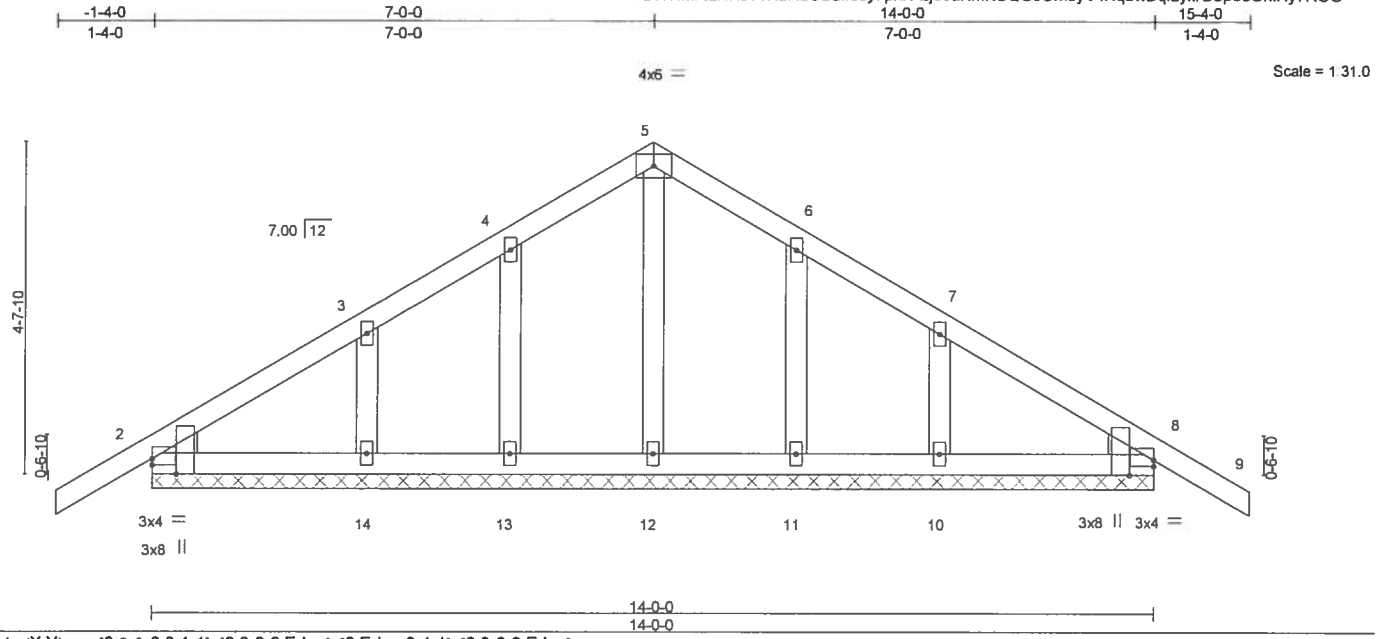

Plate Offsets (X,Y)— [2:0-0-0,0-1-1], [2:0-2-9,Edge], [8:Edge,0-1-1], [8:0-2-9,Edge]

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	0.11	Vert(LL)	-0.00	9	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.06	Vert(TL)	-0.00	9	n/r	90		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(TL)	0.00	8	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-S							Weight: 71 lb	FT = 0%

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

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

REACTIONS. All bearings 14-0-0.
(lb) - Max Horz 2=-169(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 2, 8 except 13=-102(LC 10), 14=-154(LC 10), 11=-100(LC 11), 10=-152(LC 11)
Max Grav All reactions 250 lb or less at joint(s) 2, 8, 12, 13, 14, 11, 10

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Interior(1) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 8 except (jt=lb) 13=102, 14=154, 11=100, 10=152.

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MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
1291636	A2	Common	1	1	T12775925
					Job Reference (optional)

Builder's First Source, Groveland, FL 34736 — 8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:51:03 2017 Page 1
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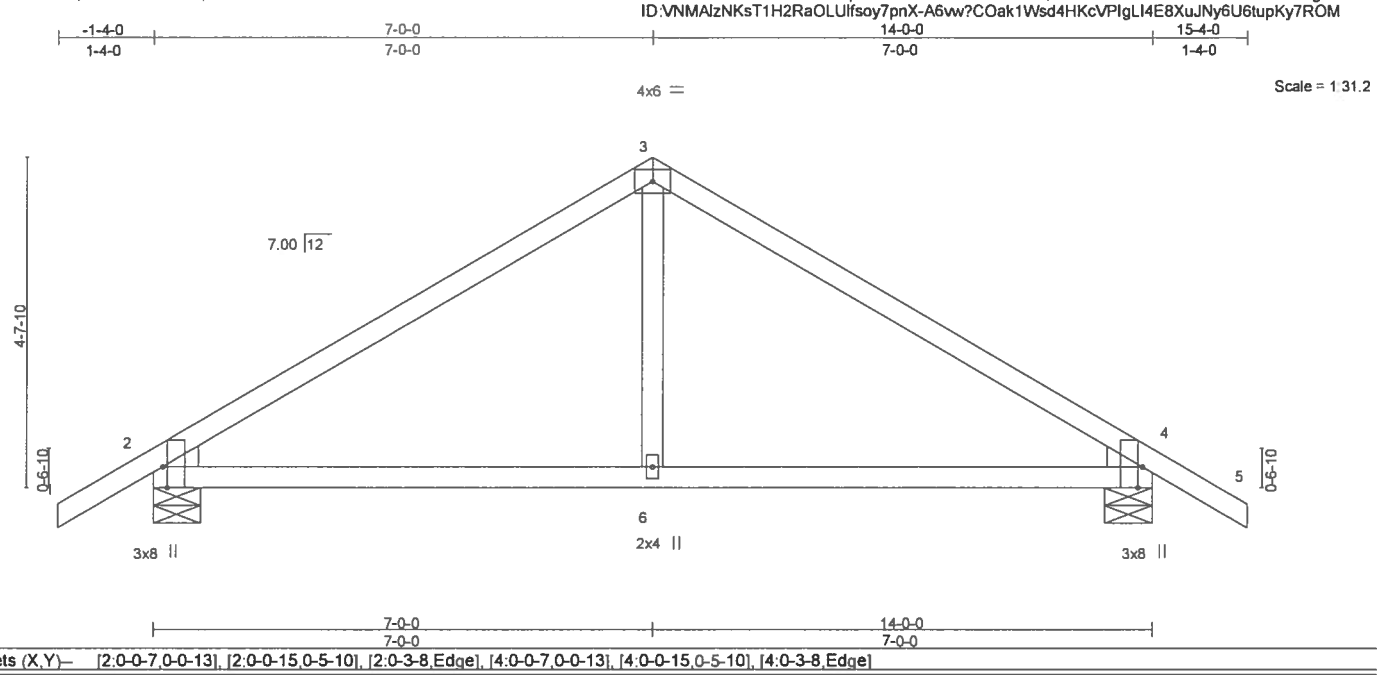

Plate Offsets (X,Y)— [2:0-0-7,0-0-13], [2:0-0-15,0-5-10], [2:0-3-8,Edge], [4:0-0-7,0-0-13], [4:0-0-15,0-5-10], [4:0-3-8,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.50	Vert(LL)	0.11	6-9	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.46	Vert(TL)	-0.15	6-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.12	Horz(TL)	0.02	2	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-MS							Weight: 57 lb	FT = 0%

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

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

REACTIONS. (lb/size) 2=590/0-8-0, 4=590/0-8-0
Max Horz 2=-169(LC 8)
Max Uplift 2=-247(LC 10), 4=-247(LC 11)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-652/241, 3-4=-652/241
BOT CHORD 2-6=-111/488, 4-6=-111/488
WEBS 3-6=0/308

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Interior(1) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=247, 4=247.

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MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	T12775926
1291636	A3	Common	6	1	Job Reference (optional)

Builder's First Source, Groveland, FL 34736

8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:51:03 2017 Page 1
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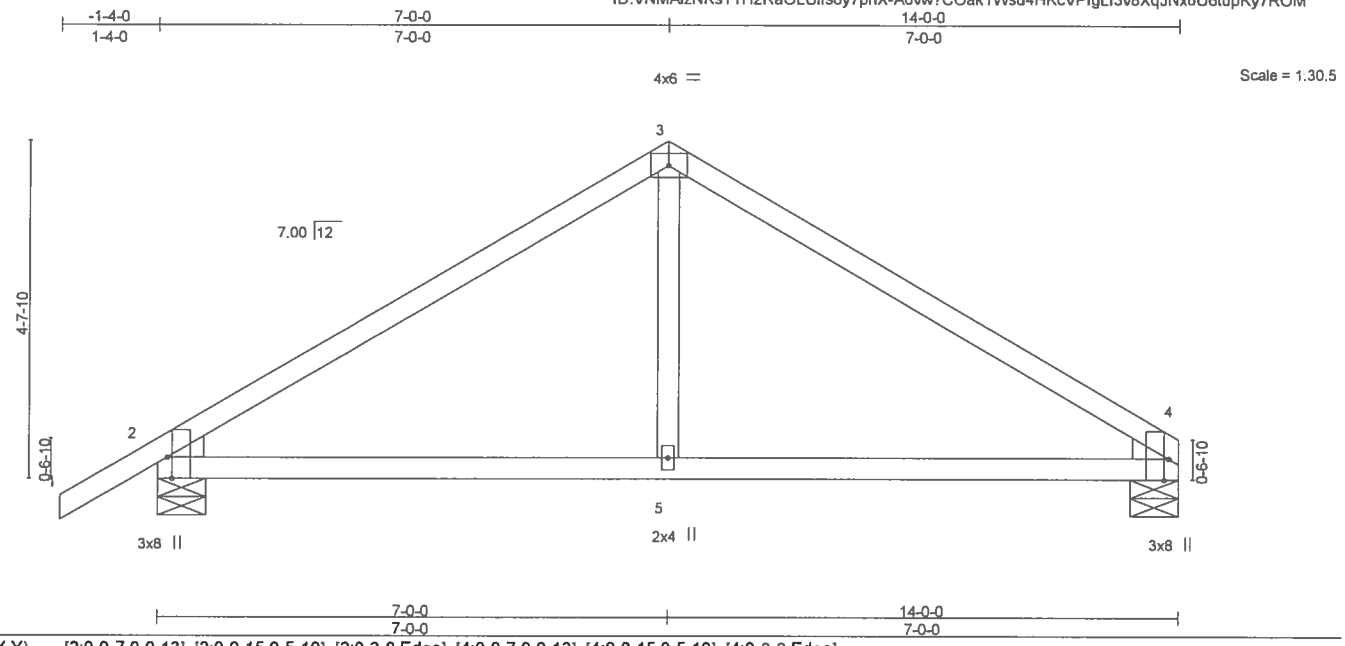

Plate Offsets (X,Y)— [2:0-0-7,0-0-13], [2:0-0-15,0-5-10], [2:0-3-8,Edge], [4:0-0-7,0-0-13], [4:0-0-15,0-5-10], [4:0-3-8,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.52	Vert(LL)	0.12	5-11	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.47	Vert(TL)	-0.16	5-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.12	Horz(TL)	0.02	2	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-MS							Weight: 55 lb	FT = 0%

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

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

REACTIONS. (lb/size) 2=593/0-8-0, 4=515/0-8-0
Max Horz 2=160(LC 9)
Max Uplift 2=-248(LC 10), 4=-194(LC 11)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-648/248, 3-4=-649/243
BOT CHORD 2-5=-132/482, 4-5=-132/482
WEBS 3-5=0/310

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Interior(1) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=248, 4=194.

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
1291636	A4	Roof Special	1	1	T12775927
					Job Reference (optional)

Builder's First Source, Groveland, FL 34736 — 8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:51:04 2017 Page 1
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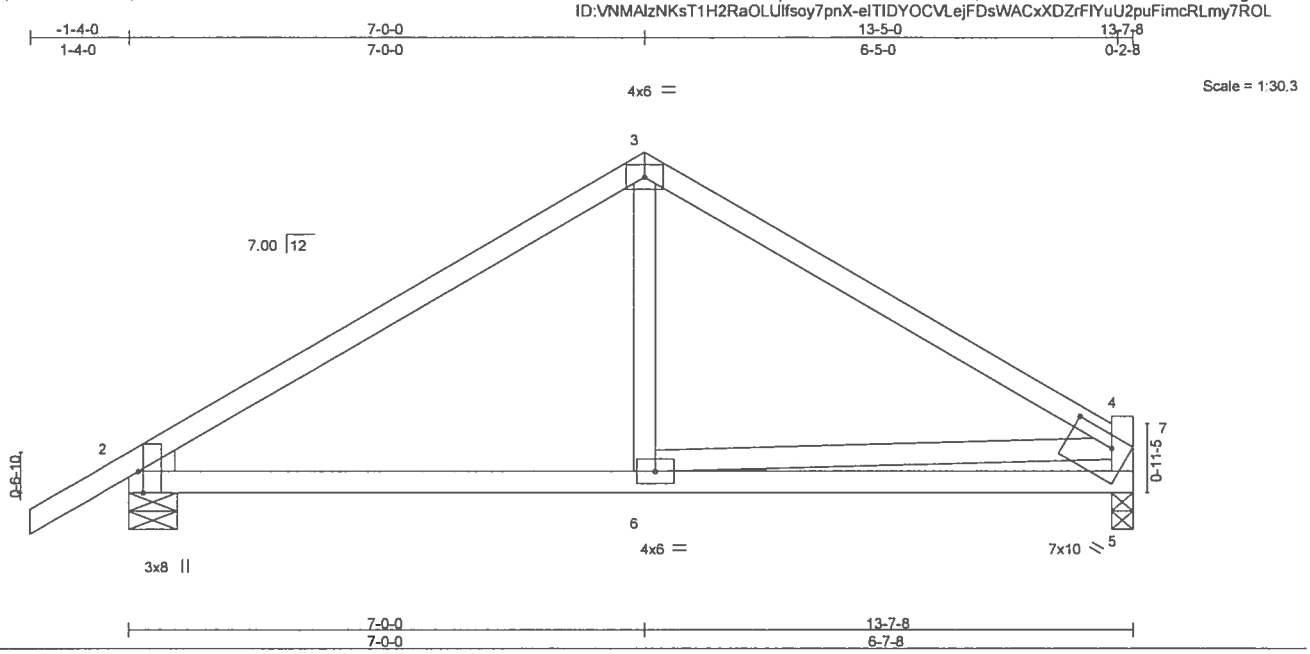

Plate Offsets (X,Y)— [2:0-3-8,Edge], [2:0-0-15,0-5-10], [2:0-0-7,0-0-13], [5:0-7-1,0-1-15], [5:0-1-8,0-0-14]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.51	Vert(LL)	0.12	6-10	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.44	Vert(TL)	-0.16	6-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.14	Horz(TL)	0.02	2	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-MS							Weight: 63 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
5-7: 2x4 SP No.2
WEDGE
Left: 2x4 SP No.3

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

REACTIONS. (lb/size) 5=495/0-3-8, 2=574/0-8-0
Max Horz 2=197(LC 11)
Max Uplift 5=-182(LC 13), 2=-244(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-595/218, 3-4=-598/228, 4-5=-482/215
BOT CHORD 2-6=-127/467, 5-6=-228/332
WEBS 3-6=0/288, 4-6=-170/324

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Interior(1) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 5=182, 2=244.

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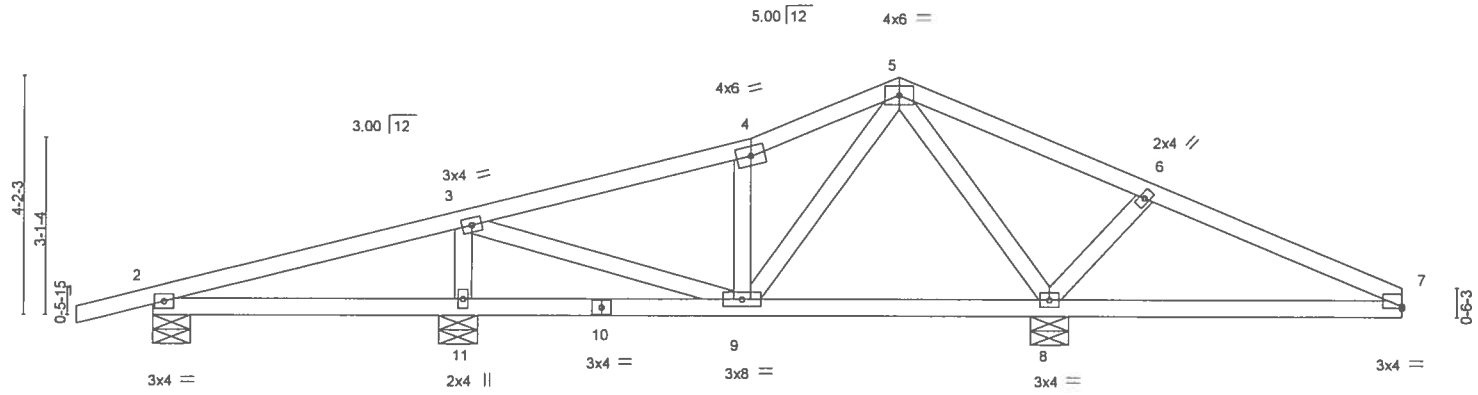
MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	T12775928
1291636	B1	Roof Special	5	1	Job Reference (optional)

Builder's First Source, Groveland, FL 34736 — 8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:51:05 2017 Page 1
ID:VNMAlzNKsT1H2RaOLUlfsoy7pnX-6V1gQuPrGfmatNRjkwSmlmOSdyEinCFPxQM?uDy7ROK

-1-4-0	5-5-1	10-5-5	13-0-7	17-3-15	21-10-0
1-4-0	5-5-1	5-0-5	2-7-1	4-3-8	4-6-1

Scale = 1:38.9



5-4-0	10-5-5	15-8-0	16-0-0	21-10-0
5-4-0	5-1-5	5-2-11	0-4-0	5-10-0

Plate Offsets (X,Y)— [7:0-0-0,0-0-7]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.37	Vert(LL)	-0.04	8-9	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.38	Vert(TL)	-0.05	11-17	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.32	Horz(TL)	0.01	2	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-MS							Weight: 99 lb	FT = 0%

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. (lb/size) 2=265/0-8-0, 11=459/0-8-0, 8=964/0-8-0
Max Horz 2=102(LC 10)
Max Uplift 2=-174(LC 6), 11=-258(LC 10), 8=-463(LC 7)
Max Grav 2=271(LC 21), 11=511(LC 21), 8=964(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-266/118, 4-5=-283/200, 5-6=-520/557, 6-7=-447/373
BOT CHORD 8-9=-156/318, 7-8=-287/421
WEBS 3-11=-384/293, 5-9=-180/344, 5-8=-713/506, 6-8=-299/278

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Interior(1) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=174, 11=258, 8=463.

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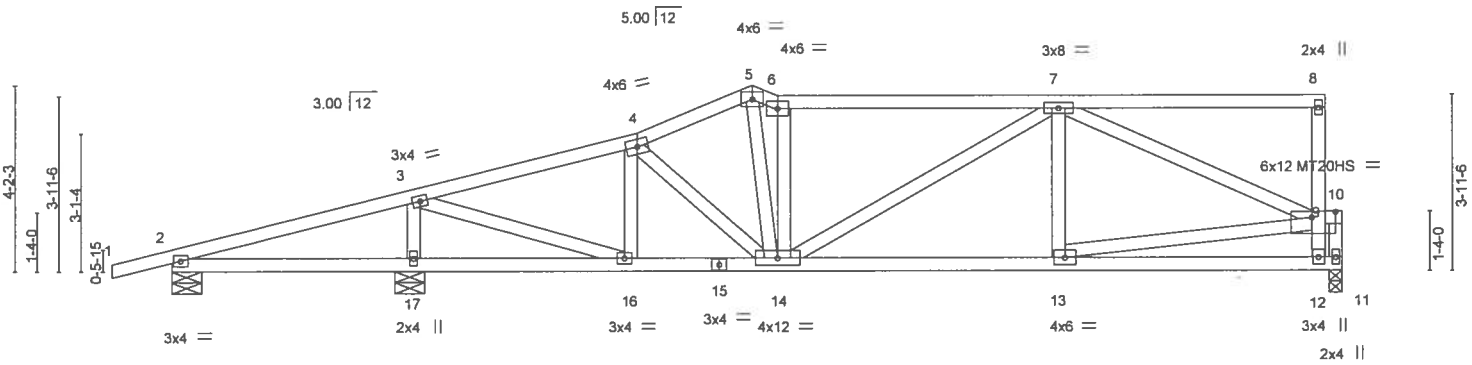
MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	T12775929
1291636	B2	Roof Special	1	1	Job Reference (optional)

Builder's First Source, Groveland, FL 34736 — 8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:51:06 2017 Page 1
ID:VNMAlzNKsT1H2RaOLUlfsoy7pnX-ahb2eEQT1yuRVX0vHdz?I_wciMZVWYzYA45YQfy7ROJ

-1-4-0	5-5-1	10-5-5	13-0-7	13-7-4	19-10-14	25-11-0	26-3-8
1-4-0	5-5-1	5-0-5	2-7-1	0-6-13	6-3-10	6-0-2	0-4-8

Scale = 1:50.1



5-4-0	10-5-5	13-7-4	19-10-14	25-11-0	26-3-8
5-4-0	5-1-5	3-1-15	6-3-10	6-0-2	0-4-8

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

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	0.42	Vert(LL)	-0.05	13-14	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.41	Vert(TL)	-0.14	13-14	>999	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.80	Horz(TL)	0.02	11	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-MS							Weight: 149 lb	FT = 0%

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 5-4-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (lb/size) 11=744/0-3-8, 2=194/0-8-0, 17=1068/0-8-0
Max Horz 2=285(LC 11)
Max Uplift 11=-346(LC 11), 2=-133(LC 6), 17=-417(LC 10)
Max Grav 11=744(LC 1), 2=226(LC 21), 17=1068(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-972/325, 4-5=-985/394, 5-6=-1085/483, 6-7=-991/420, 10-11=-454/206
BOT CHORD 14-16=-432/919, 13-14=-517/952, 12-13=-113/305
WEBS 3-17=-920/448, 3-16=-399/1085, 4-16=-282/164, 5-14=-334/697, 6-14=-576/362, 7-9=-1012/446, 9-13=-455/654

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Interior(1) -1-4-0 to 26-1-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 11=346, 2=133, 17=417.

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
1291636	C2	Half Hip	14	1	T12775930

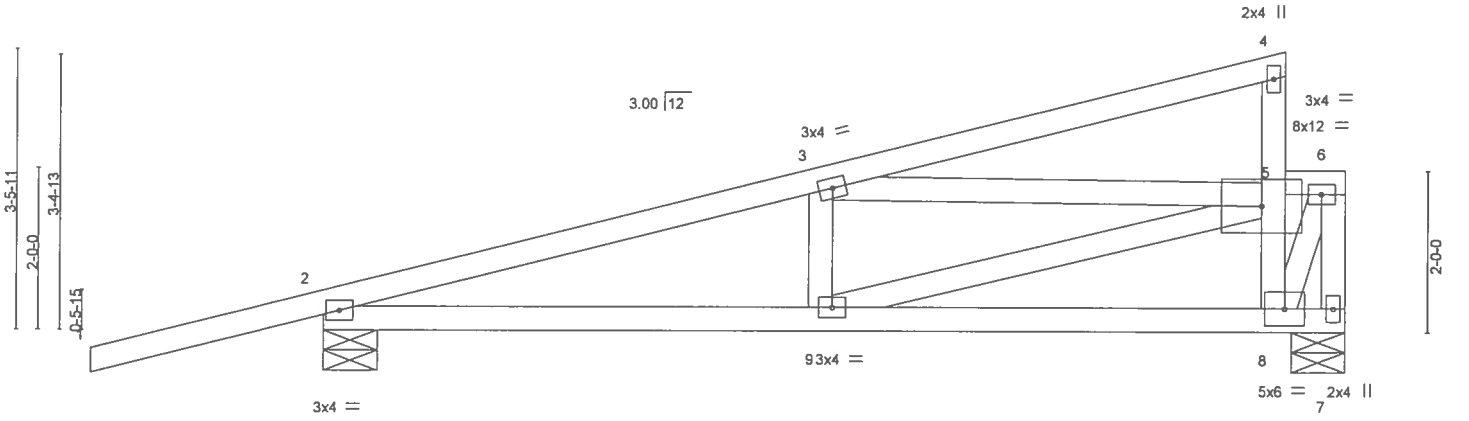
Job Reference (optional)

Builder's First Source, Groveland, FL 34736

8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:51:07 2017 Page 1
ID:VNMAlzNKsT1H2RaOLUlfsoy7pnX-3t9QraR5oG0l6hb5rLUErBTjglw1F5diPkr6y5y7ROI

-2-10-9 2-10-9 | 6-1-14 6-1-14 | 11-11-0 5-9-2 | 12-8-0 0-9-0

Scale = 1:27.6



6-1-14 6-1-14 | 11-11-0 5-9-2 | 12-8-0 0-9-0

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.66	Vert(LL)	0.04	8-9	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.32	Vert(TL)	-0.08	9-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.39	Horz(TL)	0.01	8	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-MS							Weight: 70 lb	FT = 0%

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. (lb/size) 7=-345/0-8-0, 2=586/0-8-0, 8=841/0-8-0
Max Horz 2=238(LC 10)
Max Uplift 7=-356(LC 21), 2=-394(LC 6), 8=-406(LC 6)
Max Grav 7=184(LC 6), 2=586(LC 21), 8=841(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-742/249, 5-8=-367/238
BOT CHORD 2-9=-380/682
WEBS 3-5=-636/326, 5-9=-478/841, 6-8=-304/193

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Interior(1) -2-10-9 to 12-6-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=356, 2=394, 8=406.

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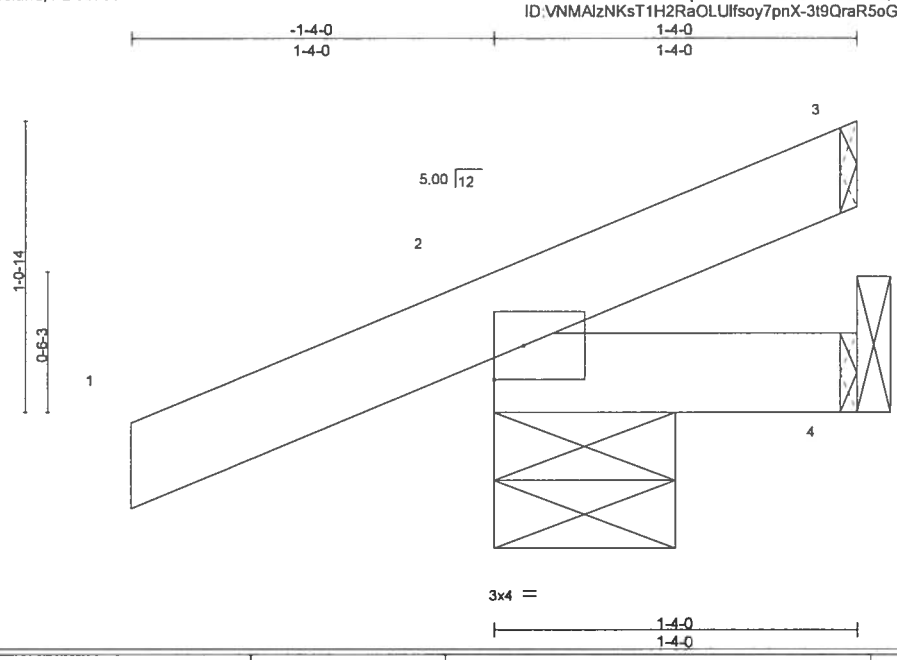
Job	Truss	Truss Type	Qty	Ply	
1291636	CJ1A	Jack-Open	2	1	T12775931
					Job Reference (optional)

Builder's First Source, Groveland, FL 34736 — 8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:51:07 2017 Page 1
ID:VNMAlzNKsT1H2RaOLUlfsoy7pnX-3t9QraR5oG0I6hb5rLUErBTmI?OFBmiPkr6y5y7ROI



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.14	Vert(LL)	0.00	7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.04	Vert(TL)	-0.00	7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-MP							Weight: 6 lb	FT = 0%

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

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

REACTIONS. (lb/size) 2=149/0-8-0, 4=12/Mechanical
Max Horz 2=52(LC 10)
Max Uplift 2=-101(LC 6), 4=-20(LC 7)
Max Grav 2=149(LC 1), 4=26(LC 3)

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

NOTES-
1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Interior(1) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 2=101.

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Job	Truss	Truss Type	Qty	Ply	
1291636	CJ2	Jack-Open	4	1	T12775932
					Job Reference (optional)

Builder's First Source, Groveland, FL 34736

8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:51:08 2017 Page 1
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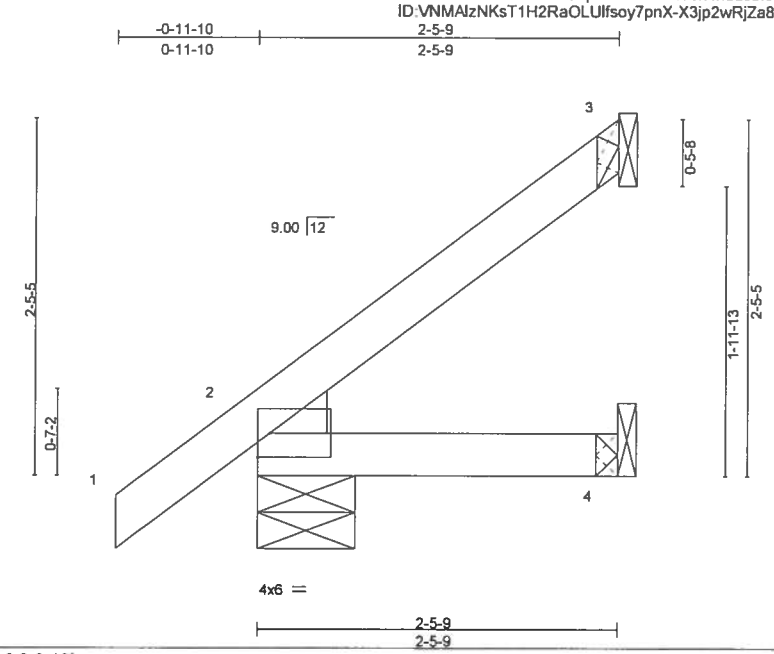

Plate Offsets (X,Y)— [2:0-0-8,0-0-6], [2:0-4-2,0-0-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.09	Vert(LL)	0.00	7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.10	Vert(TL)	-0.01	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-MP							Weight: 11 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-5-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 3=51/Mechanical, 2=152/0-8-0, 4=28/Mechanical
Max Horz 2=132(LC 10)
Max Uplift 3=-72(LC 10), 2=-41(LC 10), 4=-10(LC 10)
Max Grav 3=64(LC 17), 2=152(LC 1), 4=42(LC 3)

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

NOTES-
1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Interior(1) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2, 4.

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
1291636	CJ2A	Jack-Open	1	1	T12775933
					Job Reference (optional)

Builder's First Source, Groveland, FL 34736 — 8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:51:08 2017 Page 1
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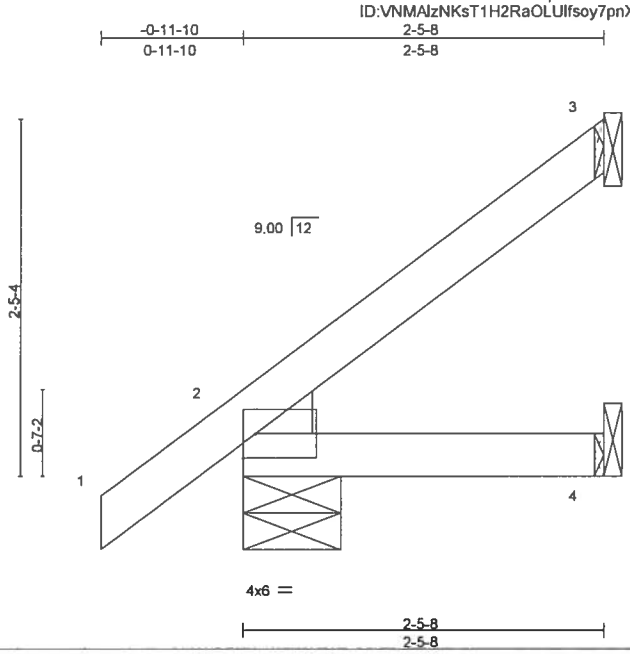

Plate Offsets (X,Y)— [2:0-0-8,0-0-6], [2:0-4-2,0-0-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.09	Vert(LL)	0.00	7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.10	Vert(TL)	-0.01	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-MP							Weight: 11 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-5-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 3=51/Mechanical, 2=152/0-8-0, 4=28/Mechanical
Max Horz 2=131(LC 10)
Max Uplift 3=-71(LC 10), 2=-41(LC 10), 4=-10(LC 10)
Max Grav 3=64(LC 17), 2=152(LC 1), 4=42(LC 3)

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

NOTES-
1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Interior(1) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2, 4.

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Job	Truss	Truss Type	Qty	Ply	T12775934
1291636	CJ2B	Jack-Open	3	1	Job Reference (optional)

Builder's First Source, Groveland, FL 34736 — 8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:51:09 2017 Page 1
ID:VNMAlzNKsT1H2RaOLUlfsoy7pnX-?GHBGGSLKtG?M?lUzlWiwcY79Zc2j5G_s2KC1_y7ROG

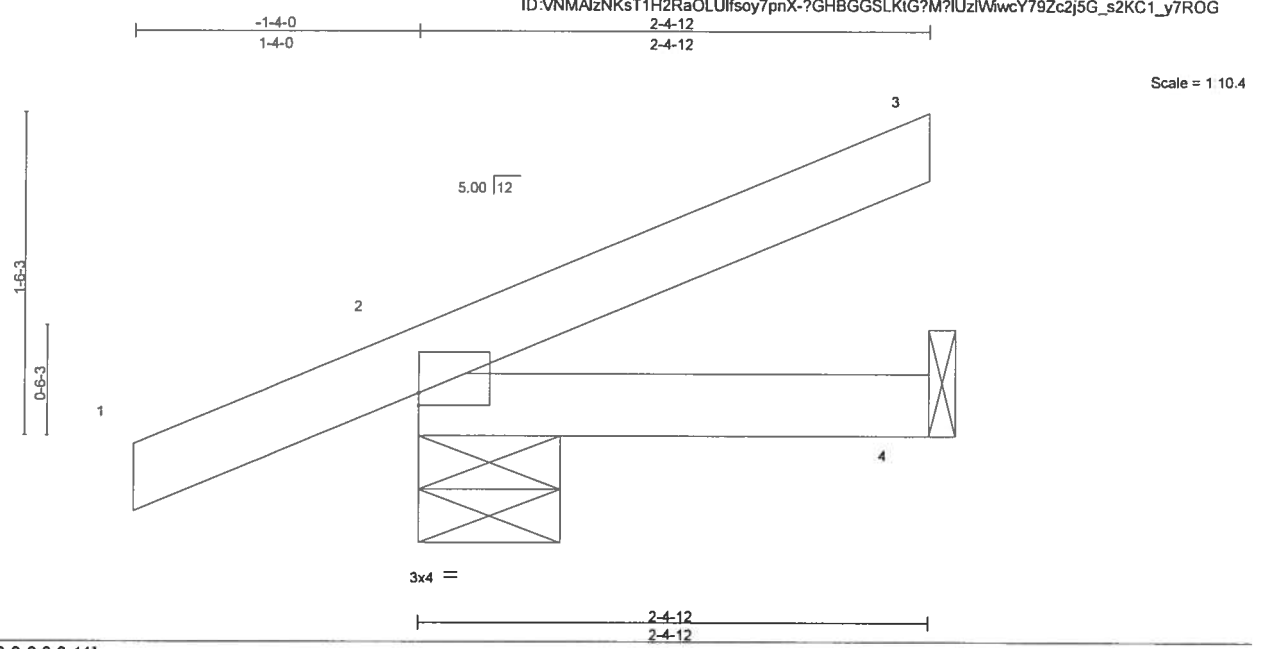

Plate Offsets (X,Y)— [2:0-0-0,0-0-11]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.40	Vert(LL)	0.01	4-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.35	Vert(TL)	-0.01	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.01	2	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-MP							Weight: 10 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-4-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 2=171/0-8-0, 4=69/Mechanical
Max Horz 2=72(LC 14)
Max Uplift 2=-90(LC 6), 4=-52(LC 7)

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

NOTES-
1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Interior(1) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	T12775935
1291636	CJ2C	Jack-Open	1	1	Job Reference (optional)

Builder's First Source, Groveland, FL 34736 — 8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:51:10 2017 Page 1
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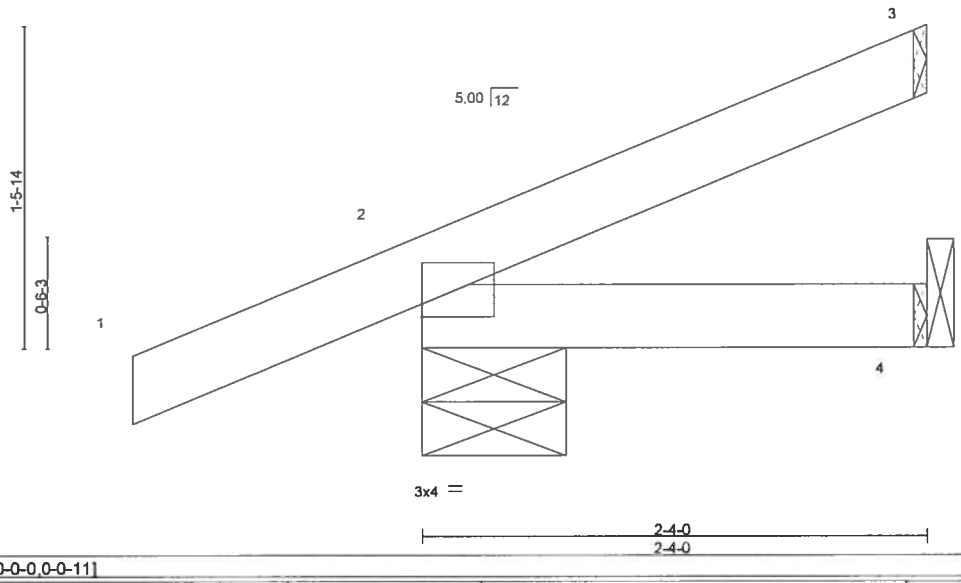

Plate Offsets (X,Y)— [2:0-0-0,0-0-11]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.38	Vert(LL)	0.01	4-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.33	Vert(TL)	-0.01	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-MP							Weight: 10 lb	FT = 0%

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

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

REACTIONS. (lb/size) 2=169/0-8-0, 4=66/Mechanical
Max Horz 2=71(LC 10)
Max Uplift 2=-90(LC 6), 4=-51(LC 7)

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

NOTES-
1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Interior(1) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.

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Job	Truss	Truss Type	Qty	Ply	
1291636	CJ2D	Jack-Open	1	1	T12775936
					Job Reference (optional)

Builder's First Source, Groveland, FL 34736

8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:51:10 2017 Page 1
ID:VNMAlzNKsT1H2RaOLUlfsoy7pnX-TSrZTcTz5BOsz8KgWT1xSq5JTzzuSYW85i3mZQy7ROF

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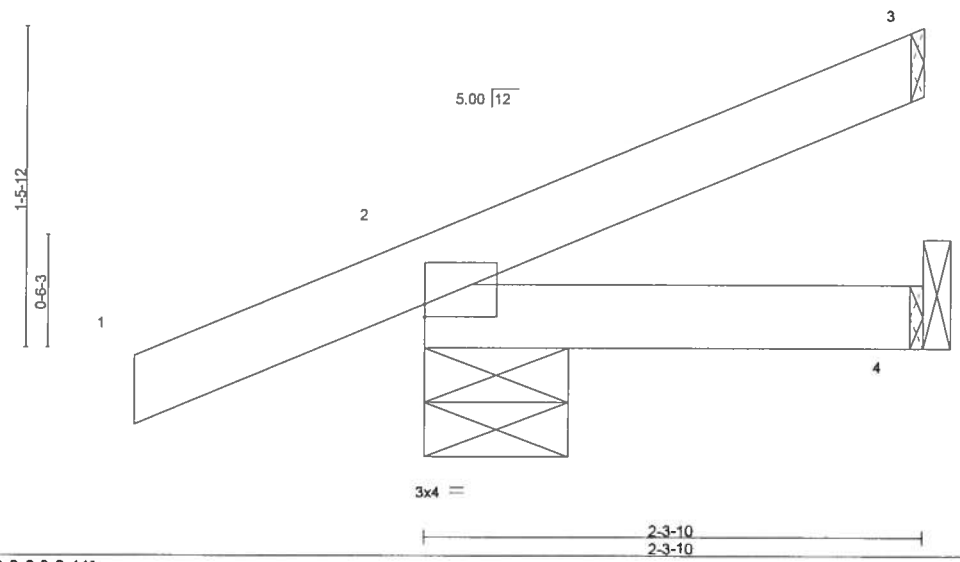
1-4-0 2-3-10

Scale = 1:10.2



2-3-10
2-3-10

Plate Offsets (X,Y)— [2:0-0-0,0-0-11]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.37	Vert(LL)	0.01	4-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.31	Vert(TL)	-0.01	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-MP							Weight: 9 lb	FT = 0%

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

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

REACTIONS. (lb/size) 2=168/0-8-0, 4=64/Mechanical
Max Horz 2=70(LC 14)
Max Uplift 2=-90(LC 6), 4=-50(LC 7)

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

NOTES-
1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Interior(1) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.

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Job	Truss	Truss Type	Qty	Ply	T12775937
1291636	CJ4	Jack-Open	1	1	Job Reference (optional)

Builder's First Source, Groveland, FL 34736 8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:51:11 2017 Page 1
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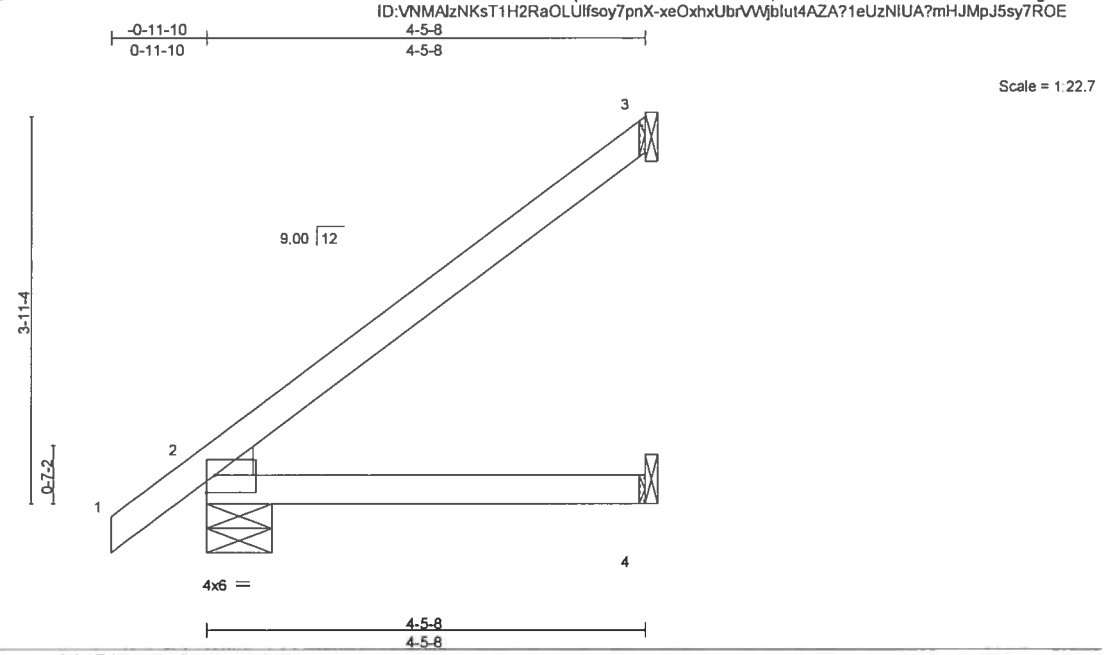

Plate Offsets (X,Y)— [2:0-0-8,0-0-6], [2:0-4-2,0-0-12], [2:Edge,0-2-2]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.32	Vert(LL)	0.04	4-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.29	Vert(TL)	-0.06	4-7	>864	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.01	3	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-MP							Weight: 18 lb	FT = 0%

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

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

REACTIONS. (lb/size) 3=101/Mechanical, 2=221/0-8-0, 4=56/Mechanical
Max Horz 2=213(LC 10)
Max Uplift 3=-138(LC 10), 2=-43(LC 10), 4=-14(LC 10)
Max Grav 3=126(LC 17), 2=221(LC 1), 4=80(LC 3)

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

NOTES-
1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Interior(1) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4 except (jt=lb) 3=138.

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Job	Truss	Truss Type	Qty	Ply	T12775938
1291636	CJ5A	Jack-Open	1	1	Job Reference (optional)

Builder's First Source, Groveland, FL 34736 — 8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:51:11 2017 Page 1
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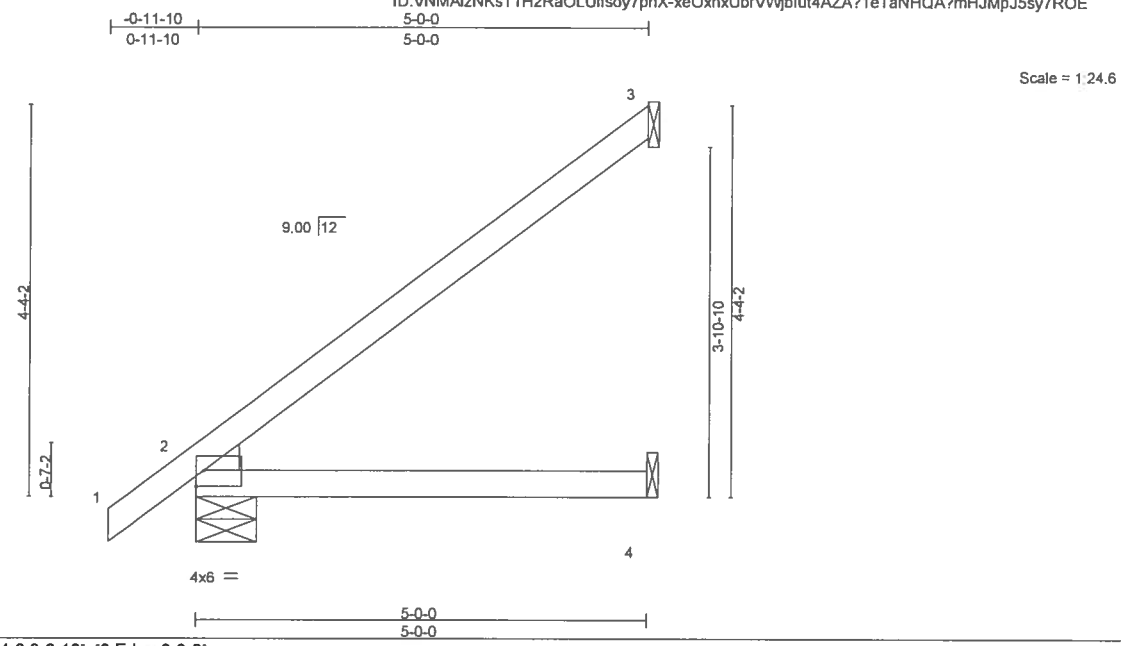

Plate Offsets (X,Y)— [2:0-0-8,0-0-6], [2:0-4-2,0-0-12], [2:Edge,0-2-2]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.41	Vert(LL)	0.07	4-7	>872	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.36	Vert(TL)	-0.10	4-7	>620	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.02	3	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-MP							Weight: 19 lb	FT = 0%

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

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

REACTIONS. (lb/size) 3=115/Mechanical, 2=240/0-8-0, 4=63/Mechanical
Max Horz 2=235(LC 10)
Max Uplift 3=-156(LC 10), 2=-44(LC 10), 4=-15(LC 10)
Max Grav 3=142(LC 17), 2=240(LC 1), 4=90(LC 3)

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

NOTES-
1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Interior(1) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4 except (jt=lb) 3=156.

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Job	Truss	Truss Type	Qty	Ply	
1291636	CJ5B	Jack-Open	1	1	T12775939
					Job Reference (optional)

Builder's First Source, Groveland, FL 34736 — 8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:51:12 2017 Page 1
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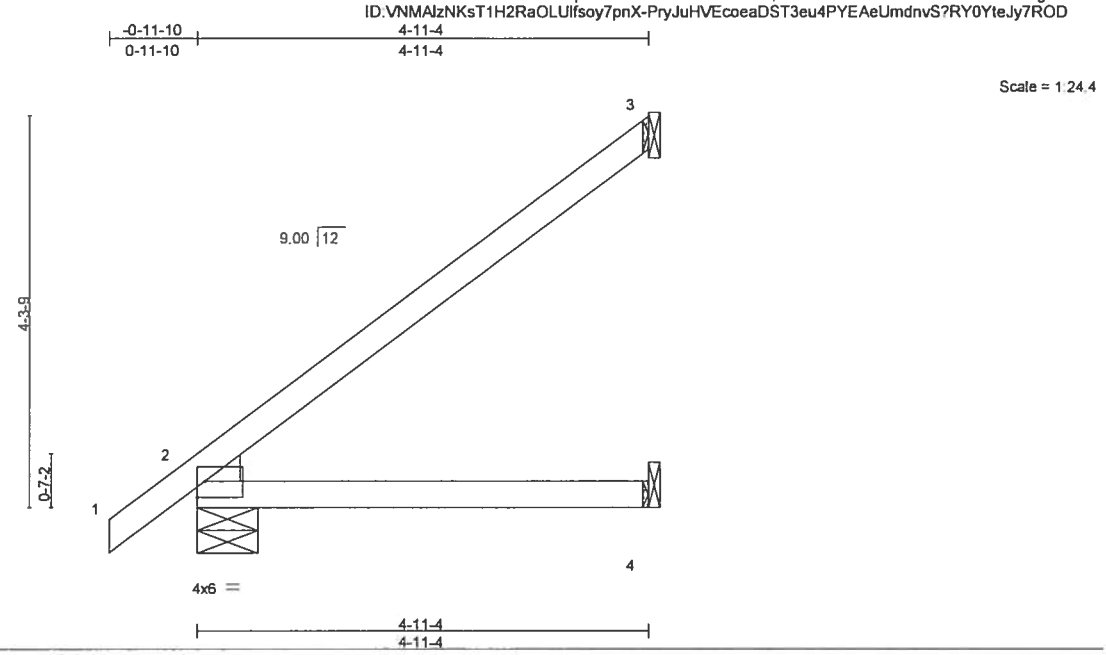

Plate Offsets (X,Y)— [2:0-0-8,0-0-6], [2:0-4-2,0-0-12], [2:Edge,0-2-2]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.40	Vert(LL)	0.06	4-7	>904	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.35	Vert(TL)	-0.09	4-7	>643	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.02	3	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-MP							Weight: 19 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-11-4 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 3=113/Mechanical, 2=238/0-8-0, 4=62/Mechanical
Max Horz 2=232(LC 10)
Max Uplift 3=-154(LC 10), 2=-44(LC 10), 4=-15(LC 10)
Max Grav 3=141(LC 17), 2=238(LC 1), 4=89(LC 3)

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

NOTES-
1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Interior(1) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4 except (jt=lb) 3=154.

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Job	Truss	Truss Type	Qty	Ply	T12775940
1291636	D1	Roof Special Girder	1	2	Job Reference (optional)

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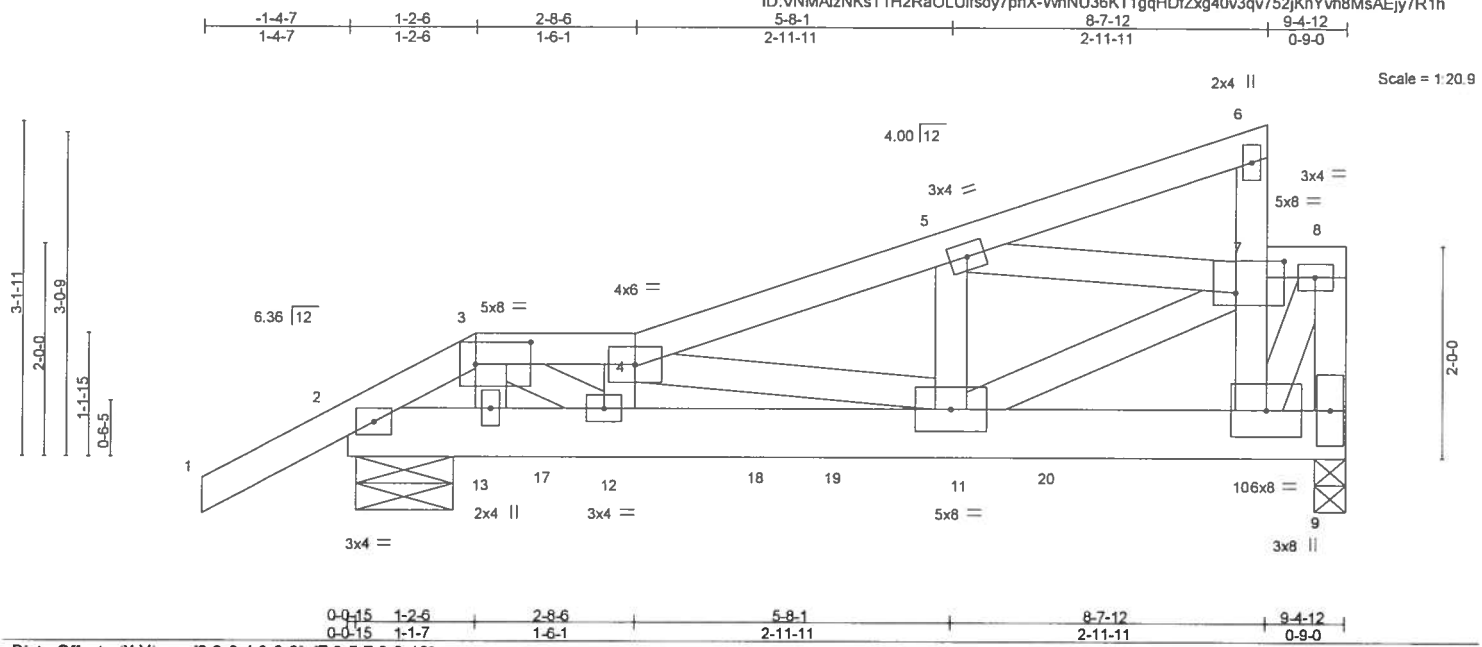

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.17	Vert(LL)	0.04	11-12	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.59	Vert(TL)	-0.08	11-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.33	Horz(TL)	0.01	9	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-MS							Weight: 127 lb	FT = 0%

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

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

REACTIONS. (lb/size) 9=1527/0-3-8 (min. 0-1-8), 2=1531/0-10-15 (min. 0-1-8)
Max Horz 2=203(LC 8)
Max Uplift 9=-728(LC 8), 2=-785(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2408/1214, 3-4=-3571/1705, 4-5=-2218/979, 7-10=-1033/512, 7-8=-579/290, 8-9=-1272/609
BOT CHORD 2-13=-1161/2059, 13-17=-1200/2114, 12-17=-1200/2114, 12-18=-1818/3639, 18-19=-1818/3639, 11-19=-1818/3639, 11-20=-305/676, 10-20=-305/676
WEBS 3-13=-226/306, 3-12=-719/1683, 4-12=-373/176, 4-11=-1590/868, 5-11=-264/742, 5-7=-2100/984, 7-11=-805/1709, 8-10=-608/1284

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 728 lb uplift at joint 9 and 785 lb uplift at joint 2.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 614 lb down and 456 lb up at 1-11-4, 442 lb down and 172 lb up at 3-11-4, 442 lb down and 184 lb up at 4-8-0, and 439 lb down and 187 lb up at 6-8-0, and 364 lb down and 195 lb up at 8-8-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

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

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Continued on page 2

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LOAD CASE(S) Standard

Uniform Loads (plf)

Vert: 1-3=-54, 3-4=-54, 4-6=-54, 7-8=-54, 9-14=-20

Concentrated Loads (lb)

Vert: 10=-364(B) 17=-614(B) 18=-442(B) 19=-442(B) 20=-439(B)

Job	Truss	Truss Type	Qty	Ply	
1291636	D2	Half Hip	9	1	T12775941
					Job Reference (optional)

Builder's First Source, Groveland, FL 34736

8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:51:15 2017 Page 1
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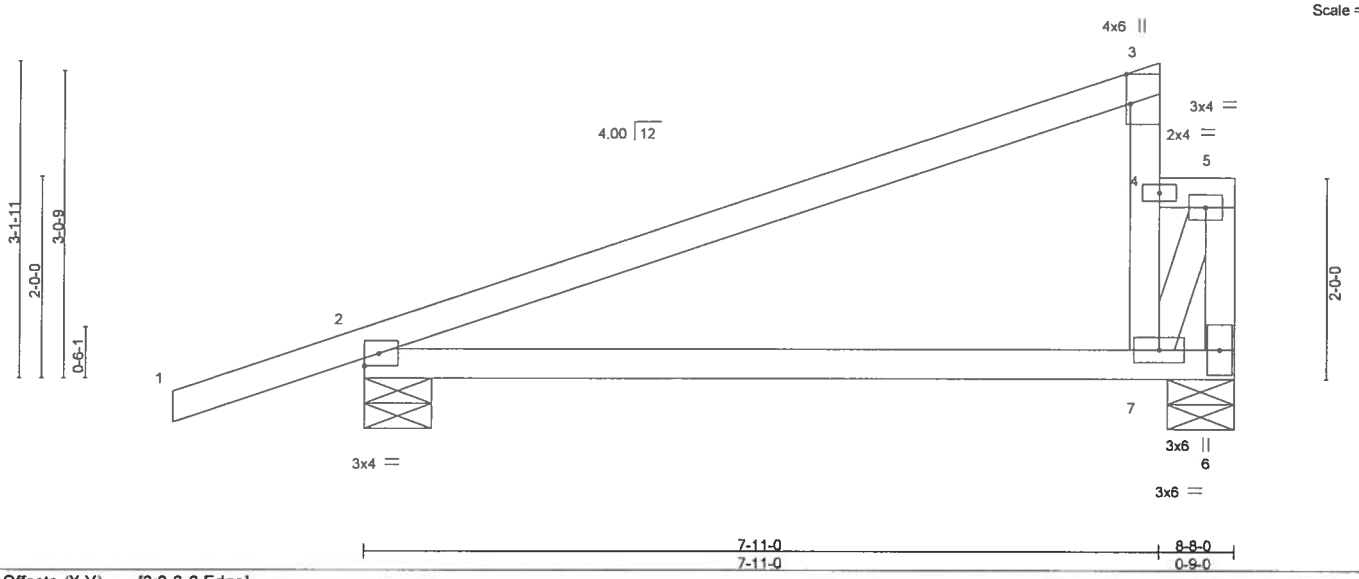
Scale = 1:22.1



7-11-0 / 7-11-0 | 8-8-0 / 0-9-0

Plate Offsets (X,Y)— [3:0-3-8,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.59	Vert(LL)	0.10	7-10	>956	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.52	Vert(TL)	-0.20	7-10	>460	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.15	Horz(TL)	0.02	2	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-MS							Weight: 38 lb	FT = 0%

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. (lb/size) 6=297/0-8-0, 2=430/0-8-0, 7=7/0-8-0
Max Horz 2=184(LC 10)
Max Uplift 6=-422(LC 10), 2=-292(LC 6), 7=-11(LC 21)
Max Grav 6=297(LC 1), 2=430(LC 21), 7=283(LC 10)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-268/115, 5-6=-472/418
WEBS 5-7=-368/391

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Interior(1) -1-10-15 to 8-6-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7 except (jt=lb) 6=422, 2=292.

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Job	Truss	Truss Type	Qty	Ply	
1291636	D3	HALF HIP	2	1	T12775942
					Job Reference (optional)

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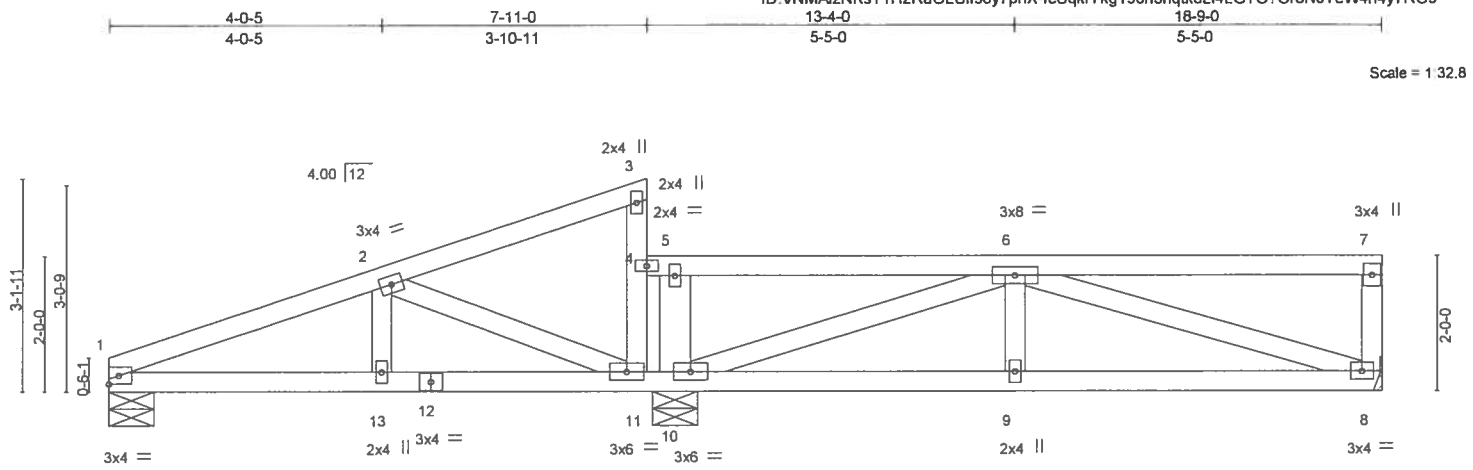

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.59	Vert(LL)	-0.04	9	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.37	Vert(TL)	-0.06	8-9	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.55	Horz(TL)	0.02	8	n/a	n/a		
BCDL	5.0	Code FBC2014/TPI2007		Matrix-MS		Wind(LL)	0.03	9	>999	240	Weight: 90 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
5-10: 2x6 SP No.2

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

REACTIONS. (lb/size) 1=405/0-8-0, 8=521/Mechanical, 10=1121/0-8-0
Max Horz 1=165(LC 7)
Max Uplift 1=-138(LC 6), 8=-197(LC 11), 10=-357(LC 7)
Max Grav 1=432(LC 21), 8=528(LC 22), 10=1121(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-724/212
BOT CHORD 1-13=-277/634, 11-13=-277/634, 9-10=-348/870, 8-9=-348/870
WEBS 6-8=-833/317, 5-10=-610/243, 6-10=-1023/351, 2-11=-657/294

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=3.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Interior(1) 0-0-0 to 18-7-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=138, 8=197, 10=357.

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Job	Truss	Truss Type	Qty	Ply	T12775943
1291636	D4	HALF HIP	2	1	Job Reference (optional)

Builder's First Source, Groveland, FL 34736 — 8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:51:16 2017 Page 1
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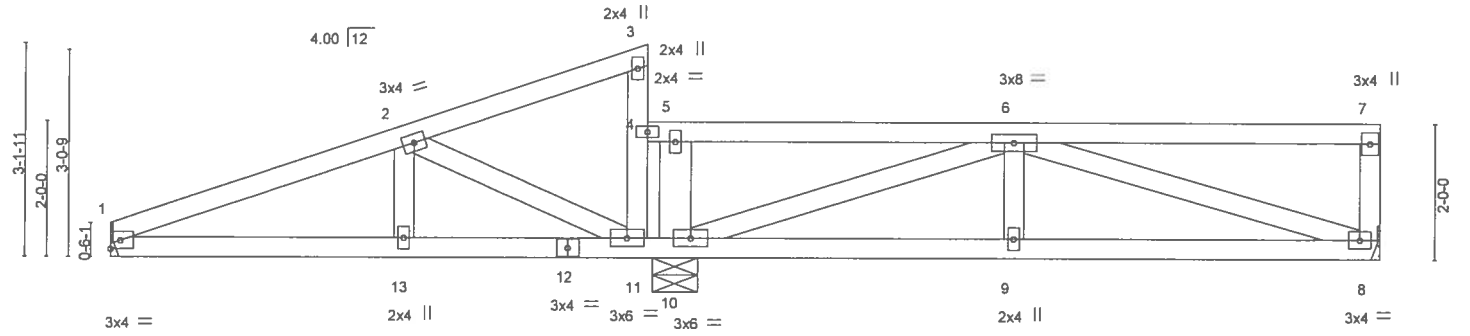

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.59	Vert(LL)	-0.04	9	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.37	Vert(TL)	-0.06	8-9	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.55	Horz(TL)	0.02	8	n/a	n/a		
BCDL	5.0	Code FBC2014/TPI2007		Matrix-MS		Wind(LL)	0.03	9	>999	240	Weight: 90 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
5-10: 2x6 SP No.2

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

REACTIONS. (lb/size) 1=404/Mechanical, 8=521/Mechanical, 10=1122/0-8-0
Max Horz 1=165(LC 7)
Max Uplift 1=-138(LC 6), 8=-197(LC 11), 10=-358(LC 7)
Max Grav 1=432(LC 21), 8=528(LC 22), 10=1122(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-692/199
BOT CHORD 1-13=-261/599, 11-13=-261/599, 9-10=-347/870, 8-9=-347/870
WEBS 6-8=-833/316, 5-10=-604/244, 6-10=-1024/352, 2-11=-645/288

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=3.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Interior(1) 0-0-0 to 18-7-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=138, 8=197, 10=358.

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Job	Truss	Truss Type	Qty	Ply	T12775944
1291636	D5	HALF HIP	2	1	Job Reference (optional)

Builder's First Source, Groveland, FL 34736 — 8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:51:17 2017 Page 1
ID:VNMAlzNKsT1H2RaOLUlfsoy7pnX-momCx?YMRLHtJDM0RRgaFluRDnLfabdAiHGdJWy7RO8

-1-10-15	4-1-3	7-11-0	13-4-0	18-9-0
1-10-15	4-1-3	3-9-13	5-5-0	5-5-0

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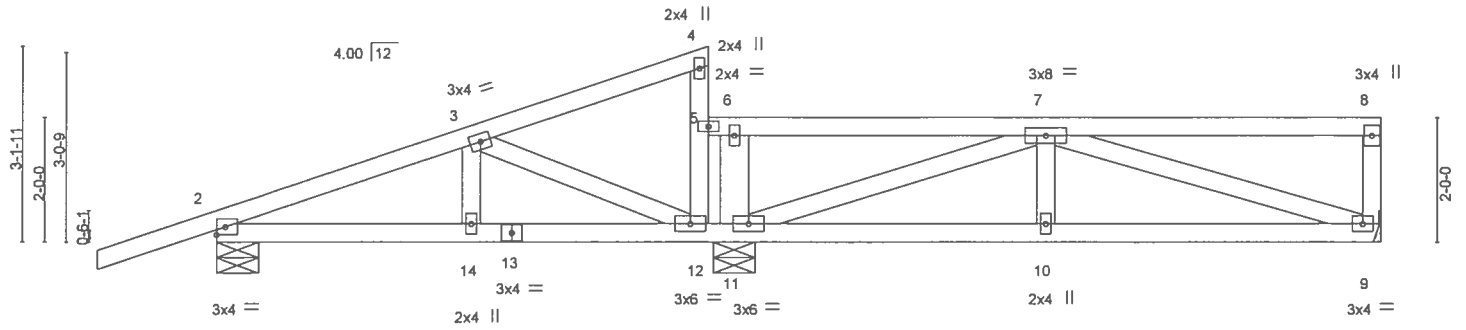

4-1-3	7-11-0	8-0-0	13-4-0	18-9-0
4-1-3	3-9-13	0-1-0	5-4-0	5-5-0

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.59	Vert(LL)	-0.04	10	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.37	Vert(TL)	-0.06	9-10	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.55	Horz(TL)	0.02	9	n/a	n/a		
BCDL	5.0	Code FBC2014/TPI2007		Matrix-MS		Wind(LL)	0.03	10	>999	240	Weight: 93 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
6-11: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 11-12.

REACTIONS. (lb/size) 9=520/Mechanical, 2=616/0-8-0, 11=1102/0-8-0
Max Horz 2=184(LC 10)
Max Uplift 9=-197(LC 11), 2=-274(LC 6), 11=-353(LC 7)
Max Grav 9=528(LC 22), 2=643(LC 21), 11=1102(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-624/147
BOT CHORD 2-14=-235/531, 12-14=-235/531, 10-11=-346/869, 9-10=-346/869
WEBS 7-9=-832/316, 6-11=-604/242, 7-11=-1024/352, 3-12=-556/253

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=3.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Interior(1) -1-10-15 to 18-7-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=197, 2=274, 11=353.

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Job	Truss	Truss Type	Qty	Ply	T12775945
1291636	D6	HALF HIP	2	1	Job Reference (optional)

Builder's First Source, Groveland, FL 34736

8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:51:18 2017 Page 1
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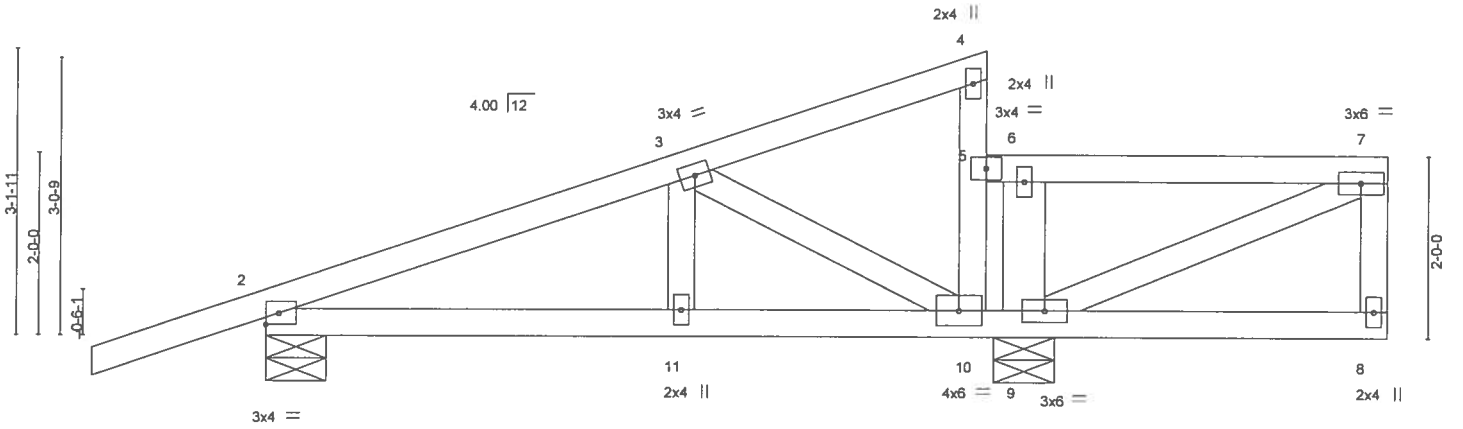

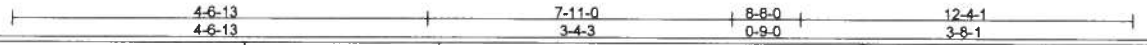

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.90	Vert(LL)	-0.02	11	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.25	Vert(TL)	-0.02	11	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.18	Horz(TL)	0.01	9	n/a	n/a		
BCDL	5.0	Code FBC2014/TPI2007		Matrix-MS		Wind(LL)	0.01	11	>999	240	Weight: 62 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
6-9: 2x6 SP No.2

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

REACTIONS. (lb/size) 2=573/0-8-0, 9=959/0-8-0
Max Horz 2=184(LC 10)
Max Uplift 2=-274(LC 6), 9=-441(LC 7)
Max Grav 2=643(LC 21), 9=959(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-589/137, 3-4=-287/262, 5-6=-300/359, 6-7=-300/359
BOT CHORD 2-11=-197/490, 10-11=-197/490, 9-10=-359/386
WEBS 6-9=-537/200, 7-9=-417/399, 3-10=-573/252

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=3.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Interior(1) -1-10-15 to 12-2-5 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=274, 9=441.

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Job	Truss	Truss Type	Qty	Ply	T12775946
1291636	F1	Floor	1	1	Job Reference (optional)

Builder's First Source, Groveland, FL 34736 — 8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:51:19 2017 Page 1
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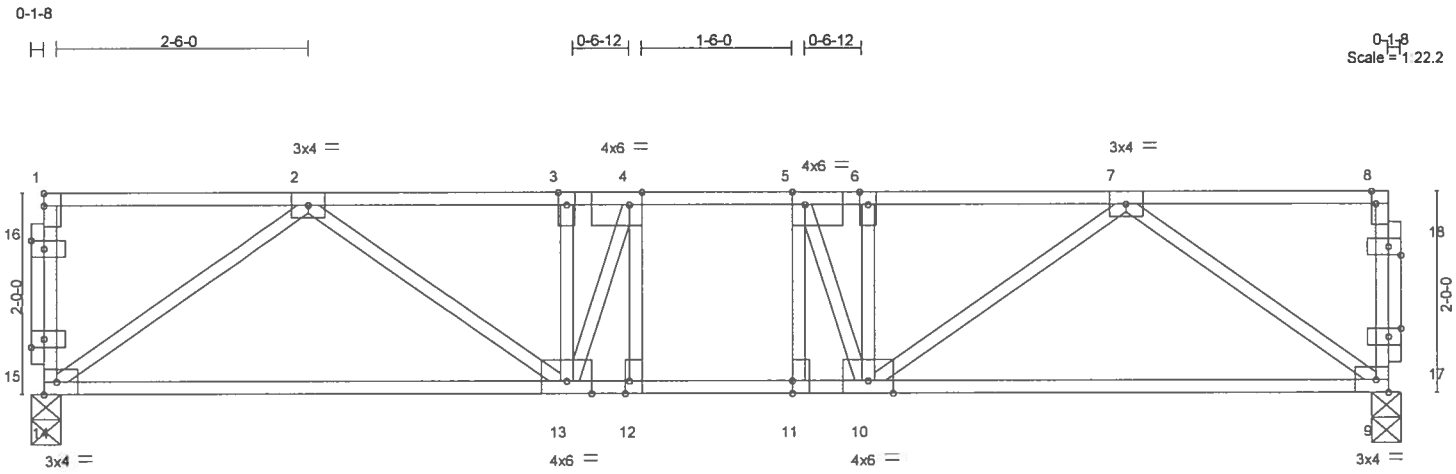

Plate Offsets (X,Y)— [4:0-1-8,Edge], [5:0-1-8,Edge], [8:0-1-8,Edge], [11:0-1-8,0-0-0], [12:0-1-8,Edge], [15:0-1-8,0-1-0], [16:0-1-8,0-1-0], [17:0-1-8,0-1-0], [18:0-1-8,0-1-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.38	Vert(LL)	-0.05	12	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.50	Vert(TL)	-0.12	13-14	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.31	Horz(TL)	0.02	9	n/a	n/a		
BCDL	5.0	Code FBC2014/TPI2007		Matrix-S							Weight: 83 lb	FT = 0%F, 0%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. (lb/size) 14=729/0-3-8, 9=729/0-3-8

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1252/0, 3-4=-1252/0, 4-5=-1274/0, 5-6=-1252/0, 6-7=-1252/0
BOT CHORD 13-14=0/831, 12-13=0/1274, 11-12=0/1274, 10-11=0/1274, 9-10=0/831
WEBS 2-14=-1030/0, 2-13=0/522, 4-13=-322/183, 7-9=-1030/0, 7-10=0/522, 5-10=-322/183

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 2x4 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	T12775947
1291636	F2	Floor	2	1	Job Reference (optional)

Builder's First Source, Groveland, FL 34736

8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:51:20 2017 Page 1
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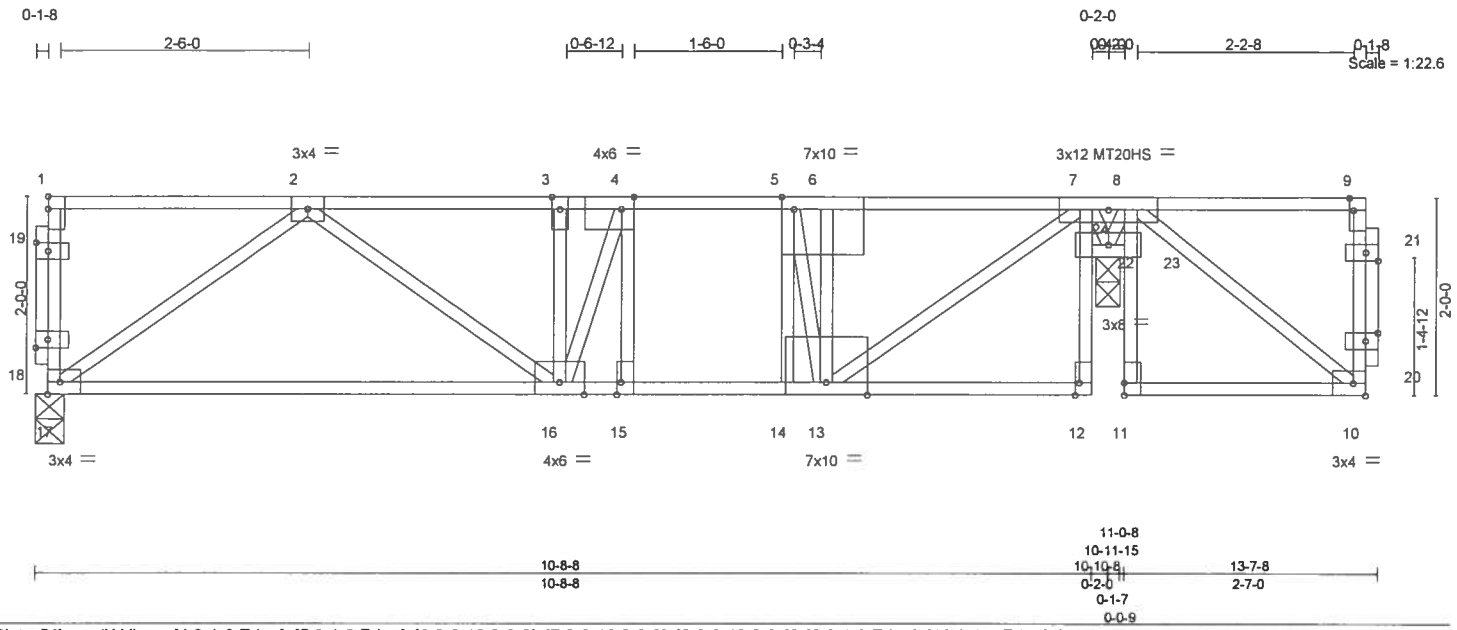

Plate Offsets (X,Y)— [4:0-1-8,Edge], [5:0-1-8,Edge], [6:0-0-12,0-0-0], [7:0-0-12,0-0-0], [8:0-0-12,0-0-0], [9:0-1-8,Edge], [12:0-1-8,Edge], [14:0-0-12,0-0-0], [15:0-1-8,Edge], [18:0-1-8,0-1-0], [19:0-1-8,0-1-0], [20:0-1-8,0-1-0], [21:0-1-8,0-1-0], [22:0-0-0,0-0-12], [23:0-0-0,0-0-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.69	Vert(LL)	-0.05	15-16	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.63	Vert(TL)	-0.11	16-17	>999	240	MT20HS	187/143
BCLL	0.0	Rep Stress Incr	YES	WB	0.90	Horz(TL)	0.01	22	n/a	n/a		
BCDL	5.0	Code FBC2014/TPI2007		Matrix-S							Weight: 89 lb	FT = 0%F, 0%E

LUMBER-
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat)
WEBS 2x4 SP No.3(flat) *Except*
4-15,5-14,7-12,8-11,3-16,6-13: 2x4 SP No.2(flat)

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

REACTIONS. All bearings 0-3-0 except (jt=length) 17=0-3-8.
(lb) - Max Uplift All uplift 100 lb or less at joint(s) except 22=-516(LC 4)
Max Grav All reactions 250 lb or less at joint(s) except 17=571(LC 3), 22=405(LC 3), 23=840(LC 4), 24=300(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-825/0, 3-4=-825/0, 4-5=-718/0, 5-6=-613/0, 6-7=-613/0, 7-8=0/261
BOT CHORD 16-17=0/615, 15-16=0/718, 14-15=0/718, 13-14=0/718
WEBS 5-14=0/277, 7-22=-394/527, 8-23=-829/0, 2-17=-762/0, 2-16=0/260, 3-16=-297/0, 4-16=-9/383, 7-13=0/755, 5-13=-686/0, 23-24=-370/0, 7-24=-586/0, 8-24=-2/327

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) All plates are 2x4 MT20 unless otherwise indicated.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 516 lb uplift at joint 22.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
6) CAUTION, Do not erect truss backwards.

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Job	Truss	Truss Type	Qty	Ply	T12775948
1291636	F3	Floor	2	1	Job Reference (optional)

Builder's First Source, Groveland, FL 34736 — 8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:51:21 2017 Page 1
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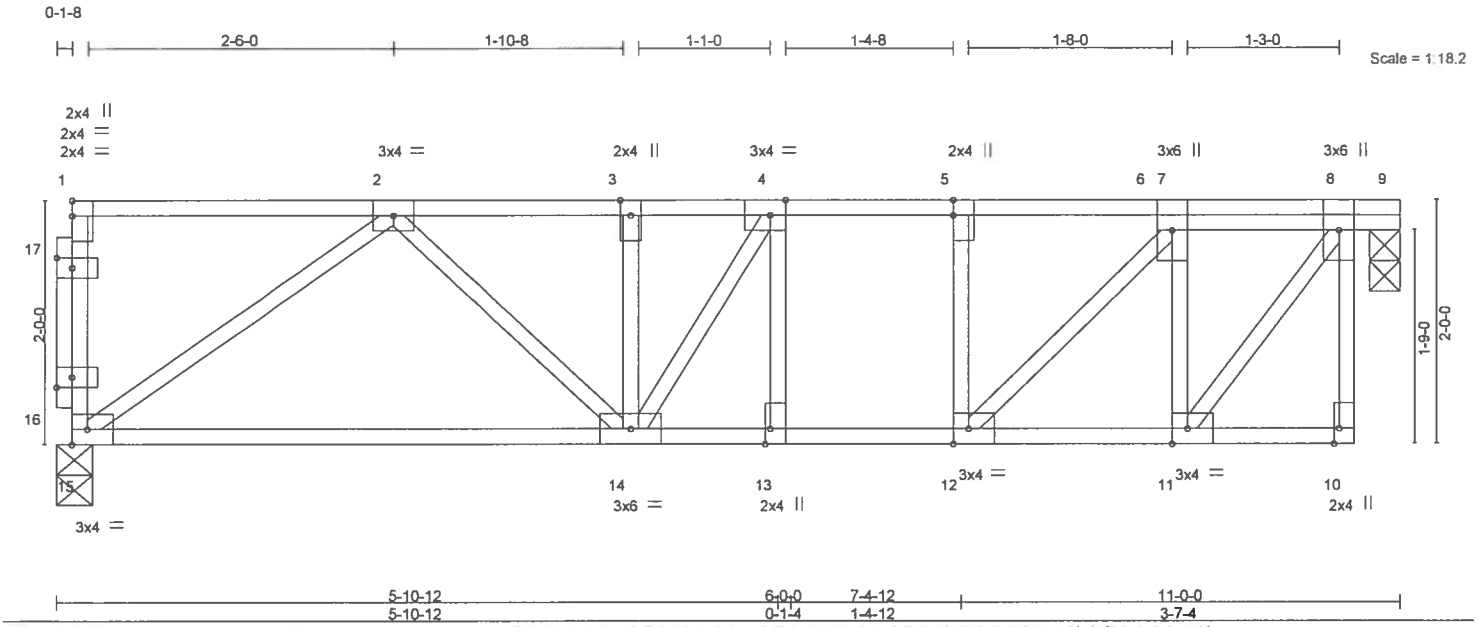

Plate Offsets (X,Y)— [4:0-1-8,Edge], [5:0-1-8,0-0-0], [10:0-1-8,Edge], [11:0-1-8,Edge], [12:0-1-8,Edge], [13:0-1-8,Edge], [16:0-1-8,0-1-0], [17:0-1-8,0-1-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.47	Vert(LL)	-0.06	13-14	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.60	Vert(TL)	-0.09	13-14	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.38	Horz(TL)	0.02	9	n/a	n/a		
BCDL	5.0	Code FBC2014/TPI2007		Matrix-S							Weight: 70 lb	FT = 0%F, 0%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. (lb/size) 9=590/0-3-0, 15=595/0-3-8

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-856/0, 3-4=-856/0, 4-5=-812/0, 5-7=-812/0, 7-8=-485/0
BOT CHORD 14-15=0/646, 13-14=0/812, 12-13=0/812, 11-12=0/485
WEBS 7-11=-659/0, 8-11=0/803, 2-15=-800/0, 2-14=0/292, 7-12=0/500

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

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Job	Truss	Truss Type	Qty	Ply	T12775949
1291636	F4	Floor	4	1	Job Reference (optional)

Builder's First Source, Groveland, FL 34736

8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:51:22 2017 Page 1
ID:VNMAlzNKsT1H2RaOLUlfsoy7pnX-6mZ5_icVGtv9P_E_D_FlyLbL8o?JFwWvrZzO_ky7RO3

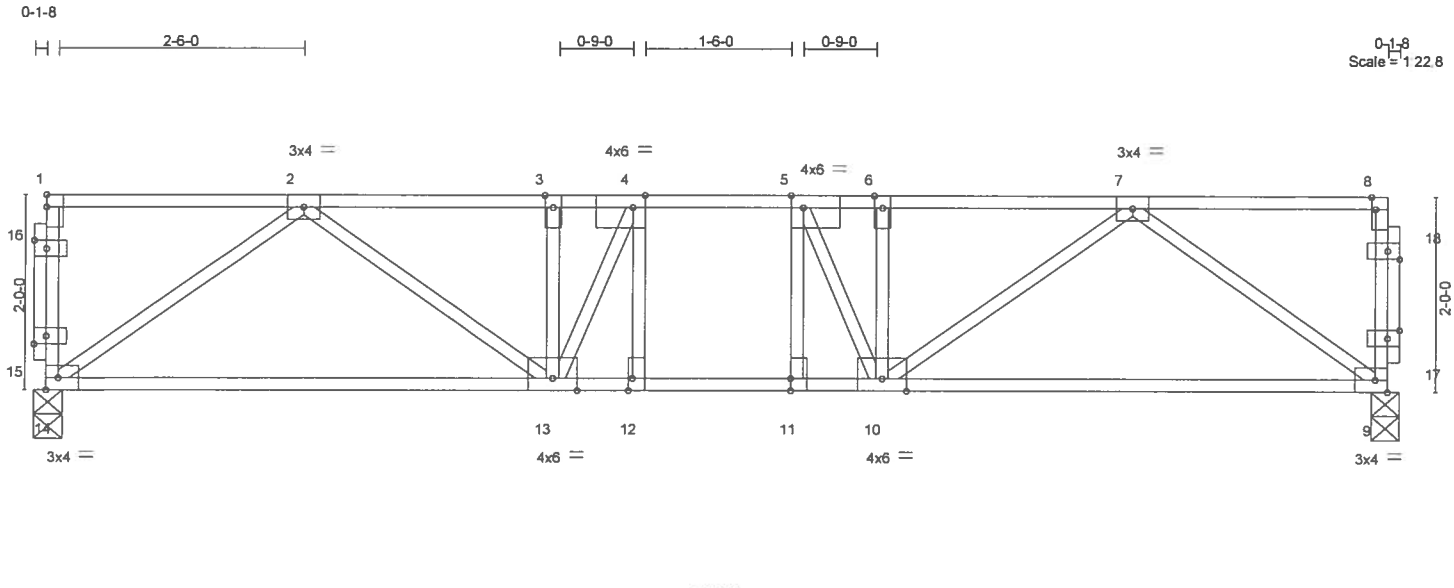

Plate Offsets (X,Y)— [4:0-1-8,Edge], [5:0-1-8,Edge], [8:0-1-8,Edge], [11:0-1-8,Edge], [12:0-1-8,Edge], [15:0-1-8,0-1-0], [16:0-1-8,0-1-0], [17:0-1-8,0-1-0], [18:0-1-8,0-1-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.39	Vert(LL)	-0.05	10-11	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.53	Vert(TL)	-0.12	9-10	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.32	Horz(TL)	0.02	9	n/a	n/a		
BCDL	5.0	Code FBC2014/TPI2007		Matrix-S							Weight: 84 lb	FT = 0%F, 0%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. (lb/size) 14=749/0-3-8, 9=749/0-3-8

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1308/0, 3-4=-1308/0, 4-5=-1347/0, 5-6=-1308/0, 6-7=-1308/0
BOT CHORD 13-14=0/859, 12-13=0/1347, 11-12=0/1347, 10-11=0/1347, 9-10=0/859
WEBS 2-14=-1064/0, 2-13=0/556, 4-13=-324/142, 7-9=-1064/0, 7-10=0/556, 5-10=-324/142

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 2x4 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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MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	T12775950
1291636	F5	Floor	1	1	Job Reference (optional)

Builder's First Source, Groveland, FL 34736

8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:51:22 2017 Page 1
ID:VNMAlzNKsT1H2RaOLUlfsoy7pnX-6mZ5_icVGtv9P_E_D_FlyLbL8o?JFwWvrZzO_ky7RO3

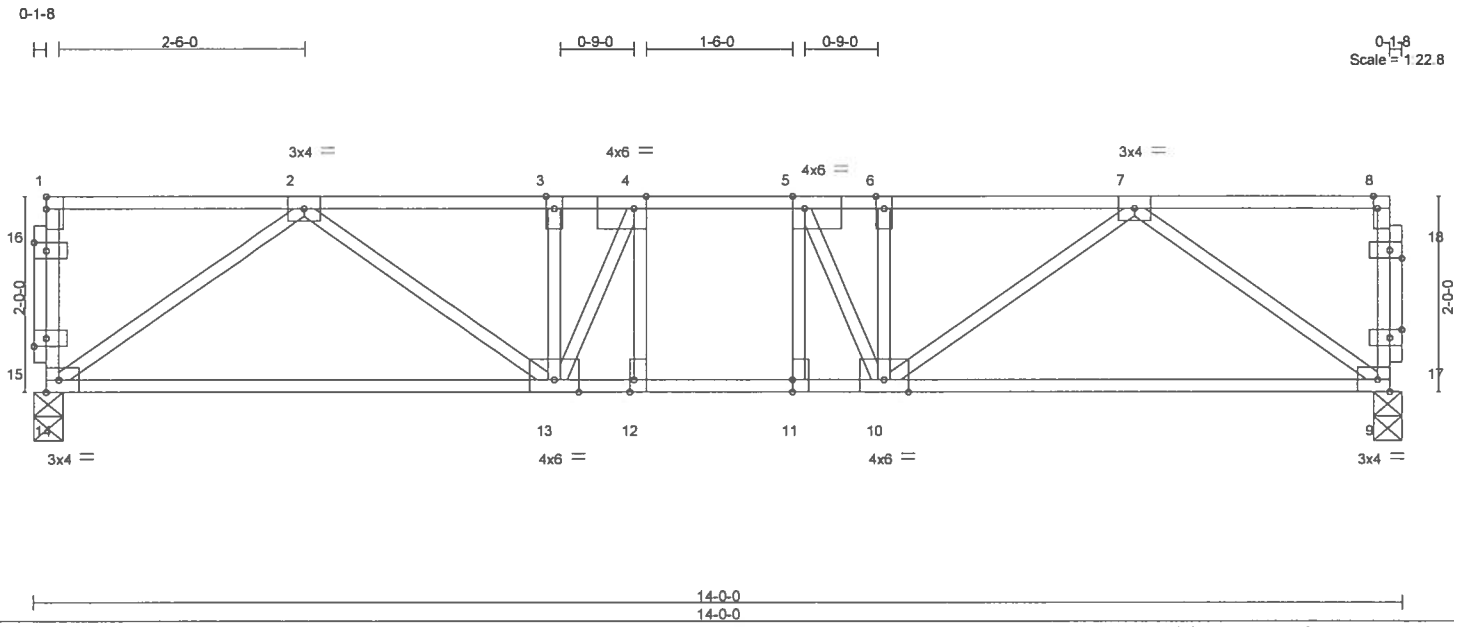

Plate Offsets (X,Y)-- [4:0-1-8,Edge], [5:0-1-8,Edge], [8:0-1-8,Edge], [11:0-1-8,Edge], [12:0-1-8,Edge], [15:0-1-8,0-1-0], [16:0-1-8,0-1-0], [17:0-1-8,0-1-0], [18:0-1-8,0-1-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.39	Vert(LL)	-0.05	10-11	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.53	Vert(TL)	-0.12	9-10	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.32	Horz(TL)	0.02	9	n/a	n/a		
BCDL	5.0	Code FBC2014/TPI2007		Matrix-S							Weight: 84 lb	FT = 0%F, 0%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. (lb/size) 14=749/0-3-8, 9=749/0-3-8

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1308/0, 3-4=-1308/0, 4-5=-1347/0, 5-6=-1308/0, 6-7=-1308/0
BOT CHORD 13-14=0/859, 12-13=0/1347, 11-12=0/1347, 10-11=0/1347, 9-10=0/859
WEBS 2-14=-1064/0, 2-13=0/556, 4-13=-324/142, 7-9=-1064/0, 7-10=0/556, 5-10=-324/142

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 2x4 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	T12775951
1291636	F6	Floor	9	1	Job Reference (optional)

Builder's First Source, Groveland, FL 34736

8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:51:23 2017 Page 1
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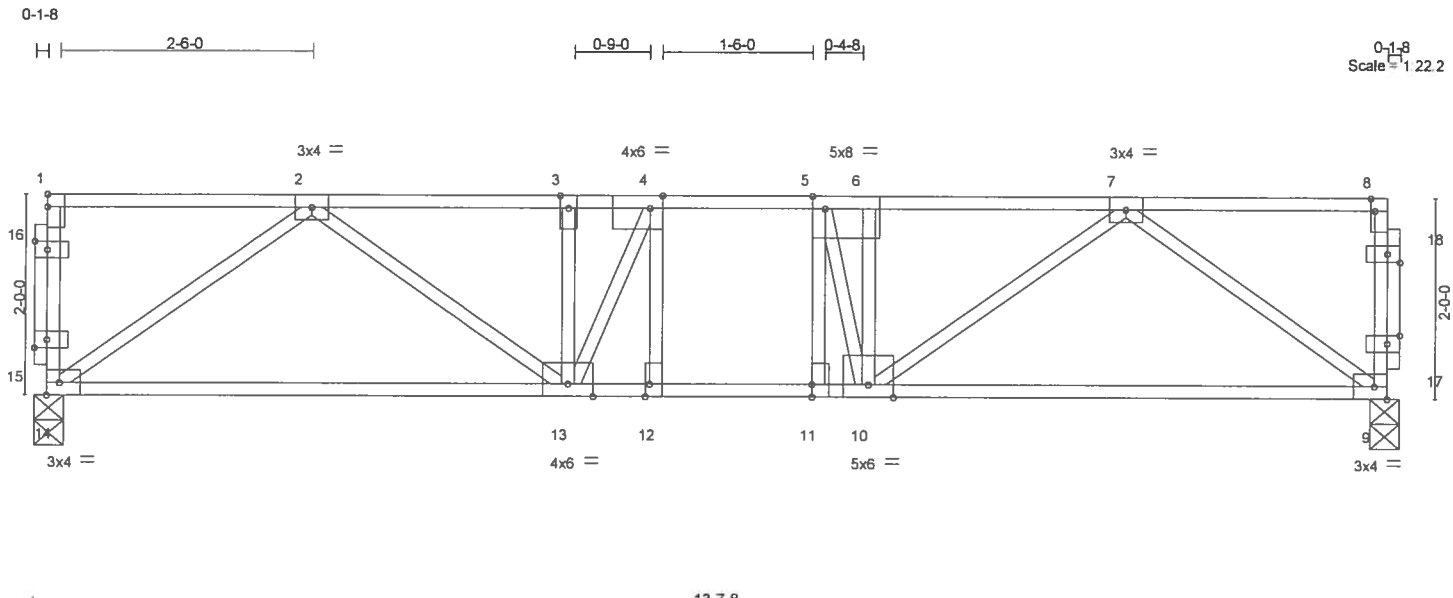

Plate Offsets (X,Y)-- [4:0-1-8,Edge], [5:0-1-8,Edge], [6:0-0-12,0-0-0], [8:0-1-8,Edge], [11:0-1-8,Edge], [12:0-1-8,Edge], [15:0-1-8,0-1-0], [16:0-1-8,0-1-0], [17:0-1-8,0-1-0], [18:0-1-8,0-1-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.38	Vert(LL)	-0.05	12-13	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.53	Vert(TL)	-0.12	13-14	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.31	Horz(TL)	0.02	9	n/a	n/a		
BCDL	5.0	Code FBC2014/TPI2007		Matrix-S							Weight: 83 lb	FT = 0%F, 0%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. (lb/size) 14=729/0-3-8, 9=729/0-3-8

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1252/0, 3-4=-1252/0, 4-5=-1273/0, 5-6=-1253/0, 6-7=-1253/0
BOT CHORD 13-14=0/831, 12-13=0/1273, 11-12=0/1273, 10-11=0/1273, 9-10=0/831
WEBS 2-14=-1030/0, 2-13=0/522, 4-13=-283/158, 7-9=-1030/0, 7-10=0/523, 6-10=-257/102, 5-10=-388/230

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 2x4 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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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	T12775952
1291636	F7	Floor	8	1	Job Reference (optional)

Builder's First Source, Groveland, FL 34736

8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:51:24 2017 Page 1
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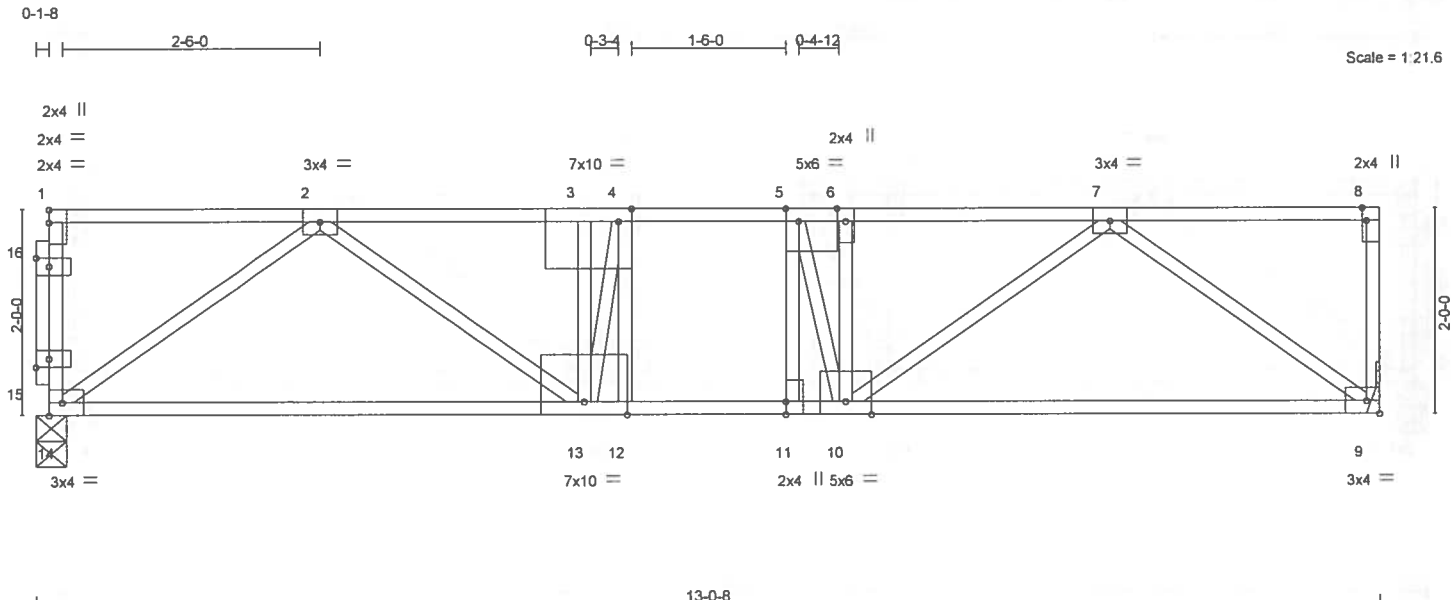

13-0-8
13-0-8

Plate Offsets (X,Y)-- [3:0-0-12,0-0-0], [4:0-1-8,Edge], [5:0-1-8,Edge], [8:0-1-8,Edge], [11:0-1-8,0-0-0], [12:0-0-12,0-0-0], [15:0-1-8,0-1-0], [16:0-1-8,0-1-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.38	Vert(LL)	-0.04	11	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.48	Vert(TL)	-0.11	9-10	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.30	Horz(TL)	0.02	9	n/a	n/a		
BCDL	5.0	Code FBC2014/TPI2007		Matrix-S							Weight: 80 lb	FT = 0%F, 0%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. (lb/size) 14=704/0-3-8, 9=704/Mechanical

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1185/0, 3-4=-1185/0, 4-5=-1188/0, 5-6=-1185/0, 6-7=-1185/0
BOT CHORD 13-14=0/797, 12-13=0/1188, 11-12=0/1188, 10-11=0/1188, 9-10=0/797
WEBS 2-14=-987/0, 2-13=0/482, 3-13=-279/112, 4-13=-369/299, 7-9=-987/0, 7-10=0/481, 6-10=-260/76, 5-10=-318/246

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

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	T12775953
1291636	F8	Floor	8	1	Job Reference (optional)

Builder's First Source, Groveland, FL 34736

8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:51:25 2017 Page 1
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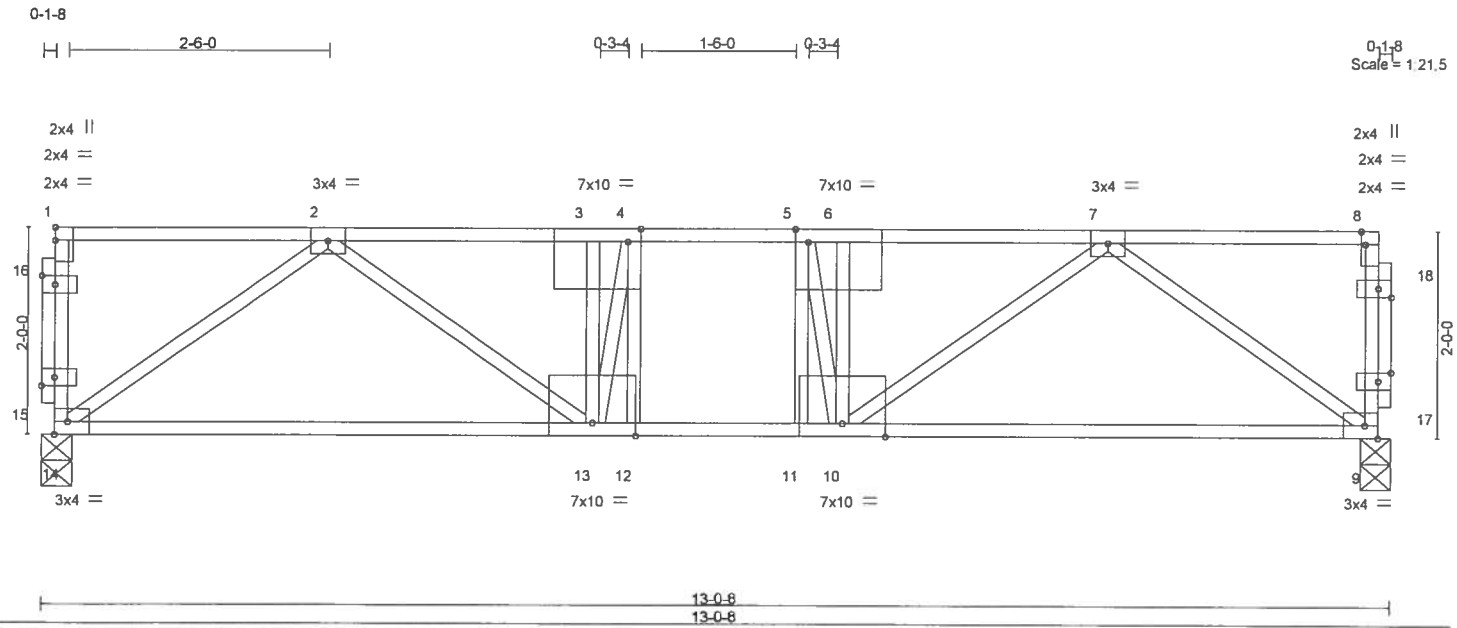

Plate Offsets (X,Y)— [3:0-0-12,0-0-0], [4:0-1-8,Edge], [5:0-1-8,Edge], [6:0-0-12,0-0-0], [8:0-1-8,Edge], [11:0-0-12,0-0-0], [12:0-0-12,0-0-0], [15:0-1-8,0-1-0], [16:0-1-8,0-1-0], [17:0-1-8,0-1-0], [18:0-1-8,0-1-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.38	Vert(LL)	-0.04	13	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.46	Vert(TL)	-0.11	9-10	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.29	Horz(TL)	0.02	9	n/a	n/a		
BCDL	5.0	Code FBC2014/TPI2007		Matrix-S							Weight: 81 lb	FT = 0%F, 0%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. (lb/size) 14=697/0-3-8, 9=697/0-3-8

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1167/0, 3-4=-1167/0, 4-5=-1166/0, 5-6=-1167/0, 6-7=-1167/0
BOT CHORD 13-14=0/787, 12-13=0/1166, 11-12=0/1166, 10-11=0/1166, 9-10=0/787
WEBS 2-14=-976/0, 2-13=0/470, 3-13=-281/106, 4-13=-352/306, 7-9=-976/0, 7-10=0/470, 6-10=-281/107, 5-10=-352/306

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

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	T12775954
1291636	FG1	FLOOR	1	2	Job Reference (optional)

Builder's First Source, Groveland, FL 34736 — 8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:51:26 2017 Page 1
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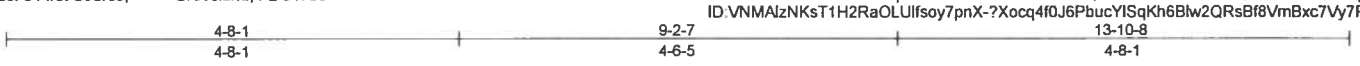

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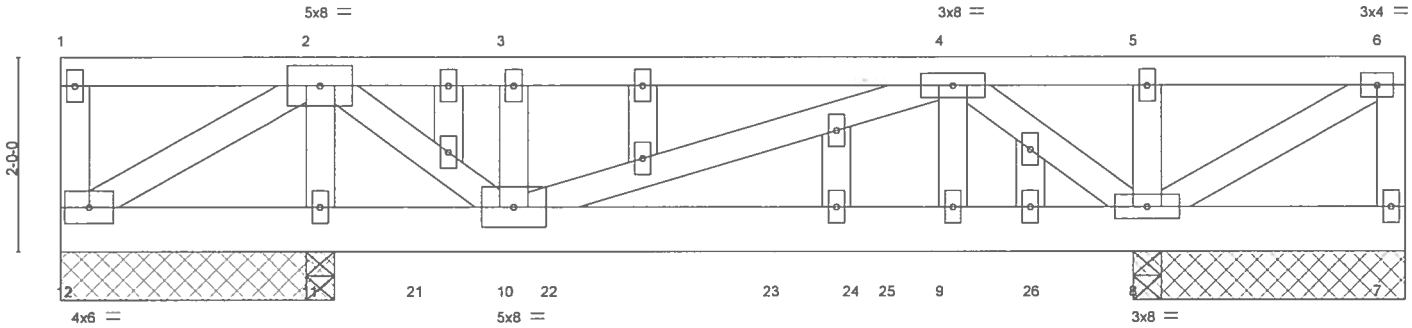

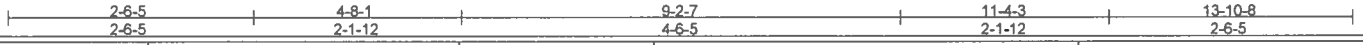

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.84	Vert(LL)	-0.02	9-10	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.23	Vert(TL)	-0.03	9-10	>999	240		
BCLL	0.0	Rep Stress Incr	NO	WB	0.53	Horz(TL)	0.00	7	n/a	n/a		
BCDL	5.0	Code FBC2014/TPI2007		Matrix-MS							Weight: 179 lb	FT = 0%

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 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. All bearings 2-9-13 except (jt=length) 11=0-3-8, 11=0-3-8.
(lb) - Max Uplift All uplift 100 lb or less at joint(s) 12, 7
Max Grav All reactions 250 lb or less at joint(s) 12 except 8=2951(LC 1), 8=2951(LC 1), 11=2807(LC 1), 11=2807(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-12=-466/0, 2-3=-1221/0, 3-4=-1221/0, 4-5=0/678, 5-6=0/678
BOT CHORD 11-12=-519/0, 10-11=-519/0, 9-10=0/1213, 8-9=0/1213
WEBS 2-10=0/2242, 3-10=-1493/0, 4-8=-2436/0, 2-11=-2507/0, 2-12=0/641, 5-8=-752/0, 6-8=-855/0

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced floor live loads have been considered for this design.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 12, 7.
6) 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.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) at 3-9-2, 46 lb down at 5-1-9, 25 lb down at 5-4-15, 25 lb down at 7-4-15, 25 lb down at 8-2-14, and 47 lb down at 8-7-6, and at 10-1-6 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-6=-400, 7-12=-10
Concentrated Loads (lb)
Vert: 22=-71(B) 23=-25(B) 24=-25(B) 25=-47(B)

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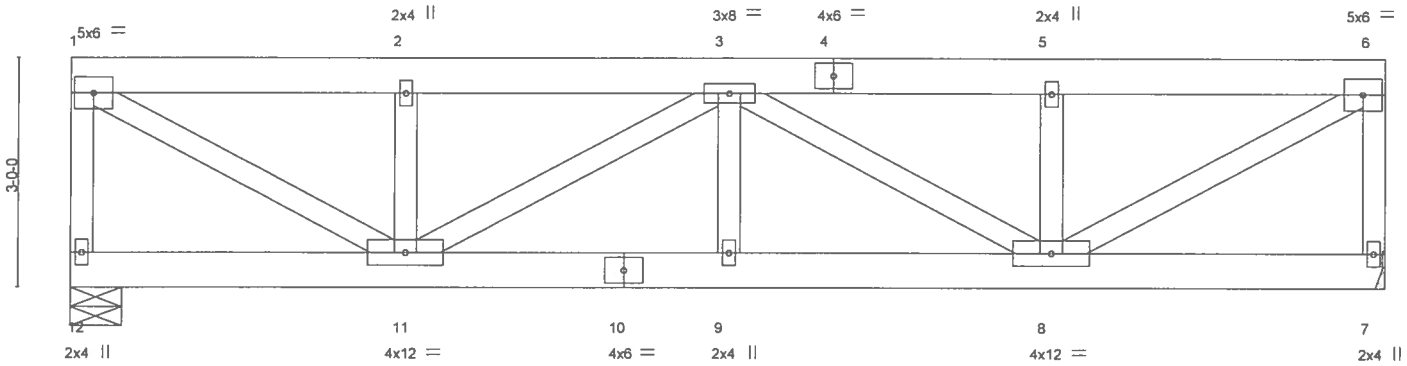
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	T12775955
1291636	FG6	FLOOR	1	2	Job Reference (optional)

Builder's First Source, Groveland, FL 34736 — 8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:51:28 2017 Page 1
ID:VNMAlzNKsT1H2RaOLUlfsoy7pnX-xwwMFmhGrjfJ7vi8aFM9BcrLZD70fWjnEVQjBNy7RNz

4-4-10	8-7-8	12-10-6	17-3-0
4-4-10	4-2-14	4-2-14	4-4-10

Scale = 1:29.1



4-4-10	8-7-8	12-10-6	17-3-0
4-4-10	4-2-14	4-2-14	4-4-10

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.52	Vert(LL)	-0.08	9	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.25	Vert(TL)	-0.13	9	>999	240		
BCLL	0.0	Rep Stress Incr	NO	WB	0.72	Horz(TL)	0.02	7	n/a	n/a		
BCDL	5.0	Code FBC2014/TPI2007		Matrix-MS							Weight: 245 lb	FT = 0%

LUMBER-
TOP CHORD 2x6 SP M 26
BOT CHORD 2x6 SP M 26
WEBS 2x4 SP No.3 *Except*
1-11,3-11,3-8,6-8: 2x4 SP No.2

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

REACTIONS. (lb/size) 12=3476/0-8-0, 7=3476/Mechanical

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-12=-3385/0, 1-2=-4473/0, 2-3=-4473/0, 3-5=-4473/0, 5-6=-4473/0, 6-7=-3385/0
BOT CHORD 9-11=0/5931, 8-9=0/5931
WEBS 1-11=0/5105, 2-11=-1803/0, 3-11=-1699/0, 3-8=-1699/0, 5-8=-1803/0, 6-8=0/5105

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Refer to girder(s) for truss to truss connections.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-6=-400, 7-12=-10

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Job	Truss	Truss Type	Qty	Ply	T12775956
1291636	FG8	FLOOR	1	2	Job Reference (optional)

Builder's First Source, Groveland, FL 34736 8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:51:29 2017 Page 1
ID:VNMAlzNKsT1H2RaOLUlfsoy7pnX-P6UlS5iuc1nAl3HK8ytOkqNUWdS5OzOxS9AGjqy7RNy

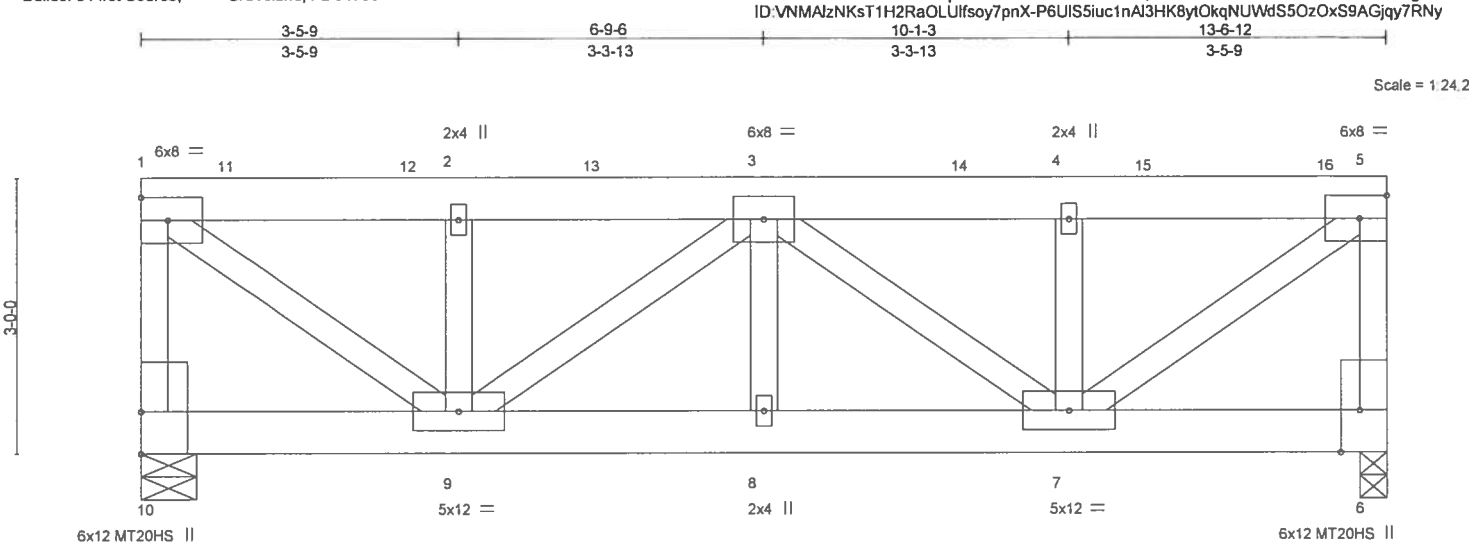

Plate Offsets (X,Y)— [6:0-5-8,Edge]

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	0.63	Vert(LL)	0.08	8	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.26	Vert(TL)	-0.13	8	>999	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.76	Horz(TL)	0.02	6	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-MS							Weight: 201 lb	FT = 0%

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

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

REACTIONS. (lb/size) 10=4199/0-7-4, 6=5835/0-3-8
Max Horz 10=-129(LC 6)
Max Uplift 10=-2050(LC 6), 6=-2844(LC 7)
Max Grav 10=4850(LC 17), 6=6911(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-10=-4709/2010, 1-2=-5886/2446, 2-3=-5886/2446, 3-4=-6418/2662, 4-5=-6418/2662, 5-6=-6722/2788
BOT CHORD 8-9=-3669/8806, 7-8=-3669/8806
WEBS 1-9=-3032/7270, 2-9=-2248/1020, 3-9=-3646/1514, 3-7=-2976/1238, 4-7=-3130/1362, 5-7=-3274/7920

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Interior(1) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 10=2050, 6=2844.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 196 lb down and 76 lb up at 1-0-0, 246 lb down and 96 lb up at 3-0-0, 2567 lb down and 998 lb up at 5-0-0, 1639 lb down and 637 lb up at 7-0-0, 1639 lb down and 637 lb up at 9-0-0, and 1640 lb down and 638 lb up at 11-0-0, and 1549 lb down and 602 lb up at 13-0-0 on top chord. The design/selection of such connection device(s) is the responsibility of others.

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LOAD CASE(S) Standard

Continued on page 2

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LOAD CASE(S) Standard

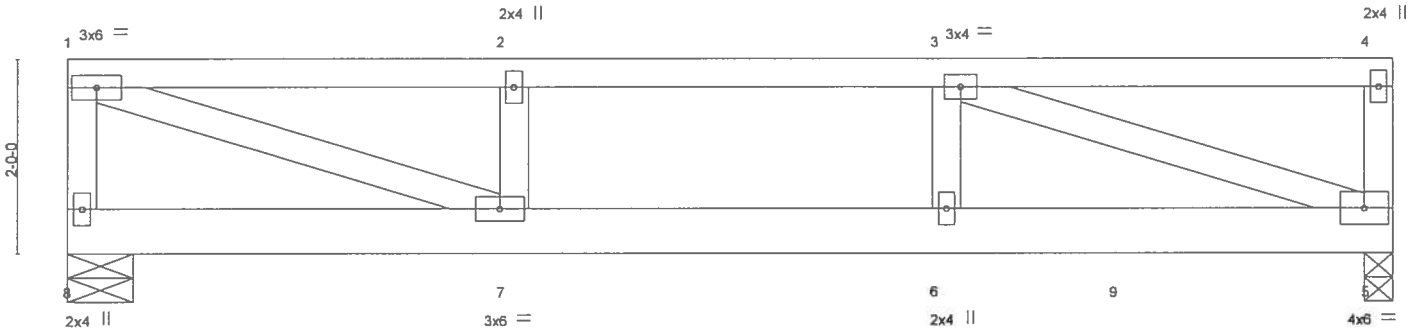
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
      Vert: 1-5=-164, 6-10=-20
   Concentrated Loads (lb)
      Vert: 3=-1313 11=-157 12=-197 13=-2057 14=-1313 15=-1314 16=-1241

Job	Truss	Truss Type	Qty	Ply	T12775957
1291636	FG13	FLOOR	2	2	Job Reference (optional)

Builder's First Source, Groveland, FL 34736 — 8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:51:26 2017 Page 1
ID:VNMAlzNKsT1H2RaOLUlfsoy7pnX-?Xocq4f0J6PbucYlSqKh6Bl_6QOMBfnVmBxc7Vy7RO?

4-7-1 | 9-0-7 | 13-7-8
4-7-1 | 4-5-5 | 4-7-1

Scale = 1:22.9



4-7-1 | 9-0-7 | 13-7-8
4-7-1 | 4-5-5 | 4-7-1

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.58	Vert(LL)	-0.09	5-6	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.39	Vert(TL)	-0.13	5-6	>999	240		
BCLL	0.0	Rep Stress Incr	NO	WB	0.56	Horz(TL)	0.01	5	n/a	n/a		
BCDL	5.0	Code FBC2014/TPI2007		Matrix-MS							Weight: 145 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP M 26
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. (lb/size) 8=936/0-8-0, 5=1567/0-3-8

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-8=-981/0, 1-2=-2254/0, 2-3=-2254/0
BOT CHORD 6-7=0/2254, 5-6=0/2254
WEBS 1-7=0/2339, 2-7=-553/0, 3-6=0/491, 3-5=-2163/0

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced floor live loads have been considered for this design.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
5) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1036 lb down at 10-10-8 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-4=-100, 5-8=-10
Concentrated Loads (lb)
Vert: 9=-1036(B)

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Job	Truss	Truss Type	Qty	Ply	
1291636	FG14	FLOOR	1	2	T12775958

Job Reference (optional)

Builder's First Source, Groveland, FL 34736

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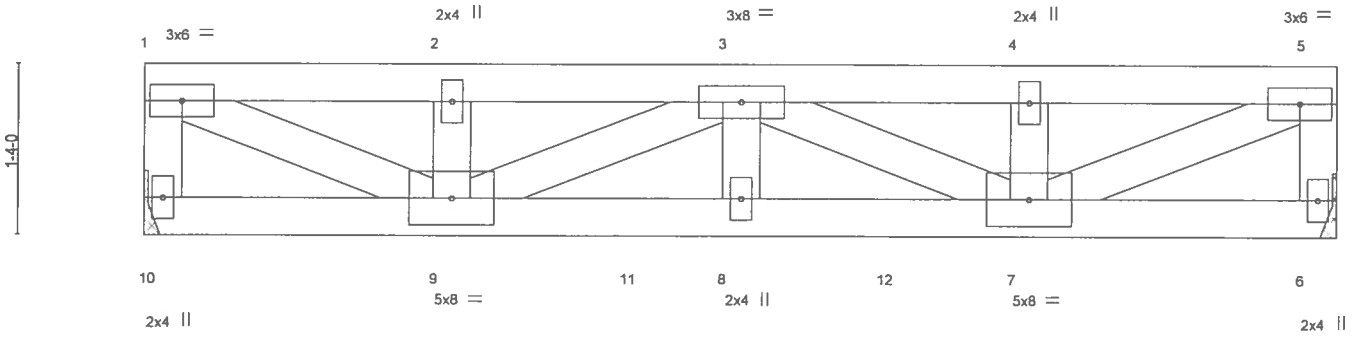
ID:VNMAlzNKsT1H2RaOLUlfsoy7pnX-TjM_2Qge4PXSWm7x0XrwfPIGgpeyw6Ce?rh9fxy7RO_

2-4-13	4-7-14	6-10-15	9-3-12
2-4-13	2-3-1	2-3-1	2-4-13

Scale = 1:17.3



2-4-13	4-7-14	6-10-15	9-3-12
2-4-13	2-3-1	2-3-1	2-4-13

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.14	Vert(LL)	-0.05	7-8	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.82	Vert(TL)	-0.07	7-8	>999	240		
BCLL	0.0	Rep Stress Incr	NO	WB	0.55	Horz(TL)	0.01	6	n/a	n/a		
BCDL	5.0	Code FBC2014/TPI2007		Matrix-MS							Weight: 92 lb	FT = 0%

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. (lb/size) 10=1046/Mechanical, 6=1107/Mechanical

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-10=-1026/0, 1-2=-2010/0, 2-3=-2010/0, 3-4=-2154/0, 4-5=-2154/0, 5-6=-1098/0
BOT CHORD 8-9=0/3132, 7-8=0/3132
WEBS 1-9=0/2134, 3-9=-1236/0, 3-8=0/773, 3-7=-1077/0, 5-7=0/2292

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Refer to girder(s) for truss to truss connections.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-5=-100, 6-10=-10
Concentrated Loads (lb)
Vert: 11=-580 12=-580

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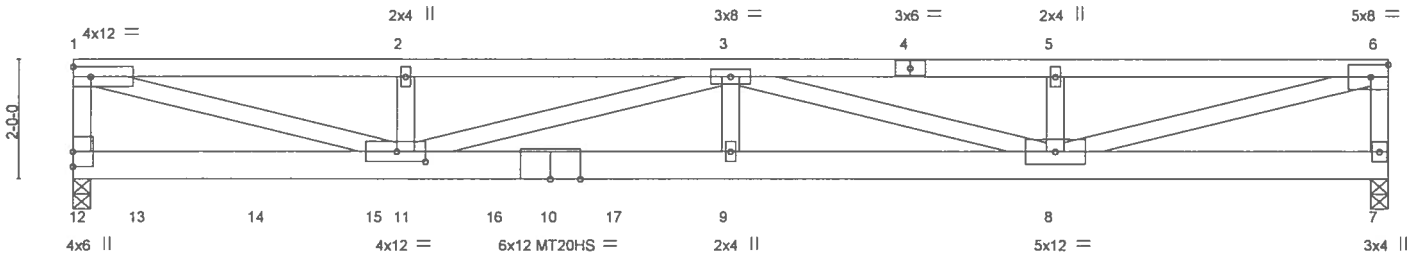
Job	Truss	Truss Type	Qty	Ply	
1291636	FG15	FLOOR	1	1	T12775959
					Job Reference (optional)

Builder's First Source, Groveland, FL 34736 — 8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:51:27 2017 Page 1
ID:VNMAlzNKsT1H2RaOLUIfsoy7pnX-TjM_2Qge4PXSWm7x0XrwfPI4jpiHw0Be?rh9fxy7RO_

5-6-14 | 11-0-0 | 16-5-2 | 22-0-0
5-6-14 | 5-5-2 | 5-5-2 | 5-6-14

Scale = 1:37.3



5-6-14 | 11-0-0 | 16-5-2 | 22-0-0
5-6-14 | 5-5-2 | 5-5-2 | 5-6-14

Plate Offsets (X,Y)— [11:0-5-12,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.91	Vert(LL)	-0.27	9	>977	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.54	Vert(TL)	-0.62	9-11	>421	240	MT20HS	187/143
BCLL	0.0	Rep Stress Incr	NO	WB	0.93	Horz(TL)	0.06	7	n/a	n/a		
BCDL	5.0	Code FBC2014/TPI2007		Matrix-MS							Weight: 125 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SP M 31 *Except*
4-6: 2x4 SP No.1
BOT CHORD 2x6 SP M 26
WEBS 2x4 SP No.3 *Except*
1-11,3-11,3-8,6-8: 2x4 SP No.1

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

REACTIONS. (lb/size) 12=1766/0-3-8, 7=1409/0-3-8

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-12=-1513/0, 1-2=-4364/0, 2-3=-4364/0, 3-5=-3682/0, 5-6=-3682/0, 6-7=-1312/0
BOT CHORD 9-11=0/5517, 8-9=0/5517
WEBS 1-11=0/4357, 2-11=-551/0, 3-11=-1203/0, 3-9=0/357, 3-8=-1916/0, 5-8=-562/0, 6-8=0/3682

NOTES-
1) All plates are MT20 plates unless otherwise indicated.
2) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
3) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 132 lb down at 1-1-4, 131 lb down at 3-1-4, 131 lb down at 5-1-4, 131 lb down at 7-1-4, and 131 lb down at 9-1-4, and 131 lb down at 11-1-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
4) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-6=-100, 7-12=-10
Concentrated Loads (lb)
Vert: 9=-131(F) 13=-132(F) 14=-131(F) 15=-131(F) 16=-131(F) 17=-131(F)

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Job	Truss	Truss Type	Qty	Ply	T12775960
1291636	FT16	FLOOR	2	1	Job Reference (optional)

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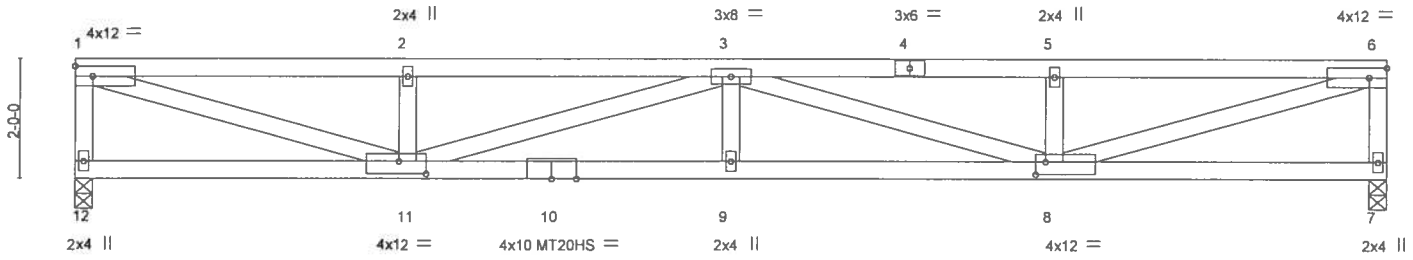
ID:VNMAlzNKsT1H2RaOLUlfsoy7pnX-ul27gRjWNKw1NDrWhgOdG1wb31gm7OG4hpvqFGy7RNx

5-6-14	11-0-0	16-5-2	22-0-0
5-6-14	5-5-2	5-5-2	5-6-14

Scale = 1:37.3



5-6-14	11-0-0	16-5-2	22-0-0
5-6-14	5-5-2	5-5-2	5-6-14

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.84	Vert(LL)	-0.35	9	>737	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.81	Vert(TL)	-0.55	9	>472	240	MT20HS	187/143
BCLL	0.0	Rep Stress Incr	YES	WB	0.85	Horz(TL)	0.07	7	n/a	n/a		
BCDL	5.0	Code FBC2014/TPI2007		Matrix-MS							Weight: 108 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.3 *Except*
1-11,3-11,3-8,6-8: 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 10-0-0 oc bracing.

REACTIONS. (lb/size) 12=1194/0-3-8, 7=1194/0-3-8

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-12=-1151/0, 1-2=-2964/0, 2-3=-2964/0, 3-5=-2965/0, 5-6=-2965/0, 6-7=-1151/0
BOT CHORD 9-11=0/3901, 8-9=0/3901
WEBS 1-11=0/2997, 2-11=-570/0, 3-11=-982/0, 3-8=-981/0, 5-8=-570/0, 6-8=0/2998

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

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Job	Truss	Truss Type	Qty	Ply	
1291636	G1	Common Girder	1	1	T12775961
					Job Reference (optional)

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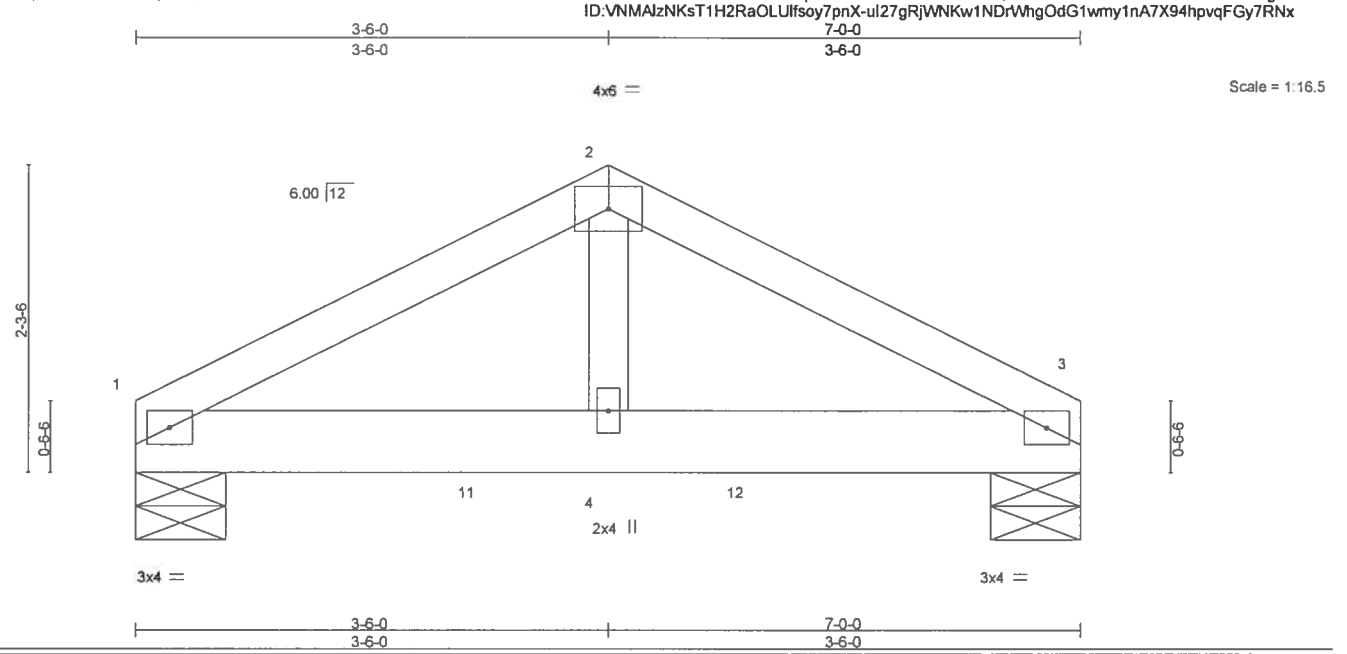

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.14	Vert(LL)	-0.01	4-10	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.34	Vert(TL)	-0.02	4-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.28	Horz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-MS							Weight: 31 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-8-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 1=663/0-8-0, 3=678/0-8-0
Max Horz 1=-41(LC 9)
Max Uplift 1=-244(LC 8), 3=-250(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1032/379, 2-3=-1031/378
BOT CHORD 1-4=-303/891, 3-4=-303/891
WEBS 2-4=-227/726

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=244, 3=250.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 412 lb down and 158 lb up at 2-6-12, and 412 lb down and 158 lb up at 4-6-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-54, 2-3=-54, 5-8=-20
Concentrated Loads (lb)
Vert: 11=-412(F) 12=-412(F)

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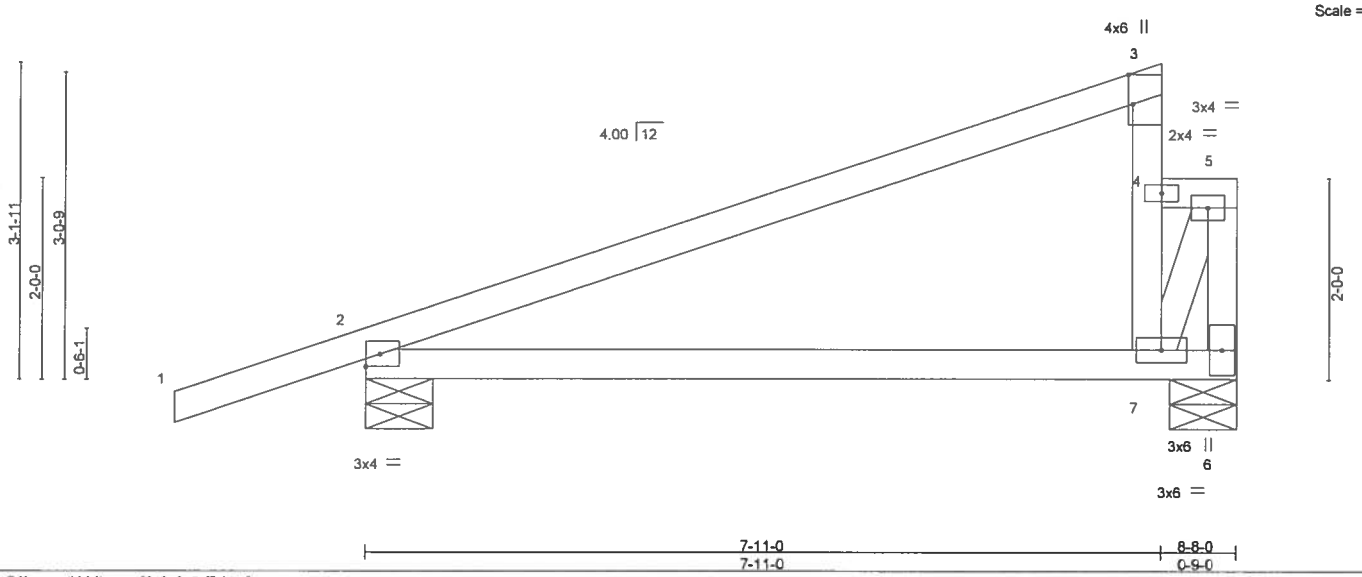
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	T12775962
1291636	H1	Half Hip	7	1	Job Reference (optional)

Builder's First Source, Groveland, FL 34736 — 8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:51:31 2017 Page 1
ID:VNMAlzNKsT1H2RaOLUlfsoy7pnX-MVcVtnj88e2u_NQjFNwspFTqnR3es0OEwTfNniy7RNw

-1-10-15 / 1-10-15 | 7-11-0 / 7-11-0 | 8-8-0 / 0-9-0

Scale = 1:22.1



7-11-0 / 7-11-0 | 8-8-0 / 0-9-0

Plate Offsets (X,Y)— [3:0-3-8,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.59	Vert(LL)	0.10	7-10	>956	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.52	Vert(TL)	-0.20	7-10	>460	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.15	Horz(TL)	0.02	2	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-MS							Weight: 38 lb	FT = 0%

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. (lb/size) 6=297/0-8-0, 2=430/0-8-0, 7=7/0-8-0
Max Horz 2=184(LC 10)
Max Uplift 6=-422(LC 10), 2=-292(LC 6), 7=-11(LC 21)
Max Grav 6=297(LC 1), 2=430(LC 21), 7=283(LC 10)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-268/115, 5-6=-472/418
WEBS 5-7=-368/391

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Interior(1) -1-10-15 to 8-6-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7 except (jt=lb) 6=422, 2=292.

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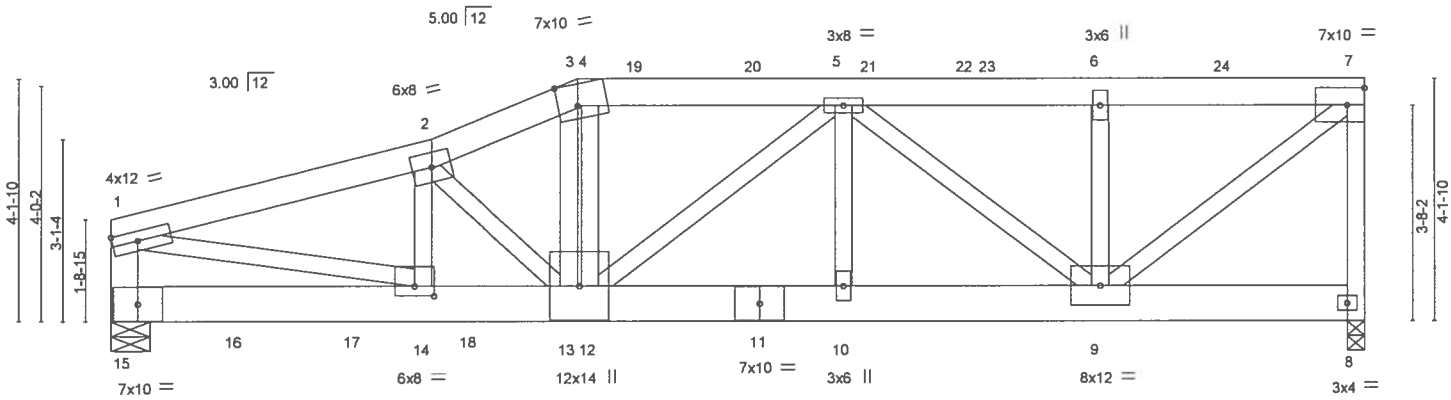
Job	Truss	Truss Type	Qty	Ply	
1291636	H7	HALF HIP GIRDER	1	2	T12775963

Job Reference (optional)

Builder's First Source, Groveland, FL 34736 — 8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:51:34 2017 Page 1
ID:VNMAlzNKsT1H2RaOLUlfsoy7pnX-m4HeWpm1RZQSrq9HwVTZRt5KWe8Y3AEgcRt1O1y7RNt

5-5-5	7-11-0	8-1-8	12-5-1	16-9-7	21-3-8	22-10-0	24-10-0
5-5-5	2-5-11	0-2-8	4-3-9	4-4-5	4-6-1	1-6-8	2-0-0

Scale = 1:37.9



5-5-5	7-11-0	8-1-8	12-5-1	16-9-7	21-3-8	22-10-0	24-10-0
5-5-5	2-5-11	0-2-8	4-3-9	4-4-5	4-6-1	1-6-8	2-0-0

Plate Offsets (X,Y)— [3:0-0-9,0-2-11], [3:0-3-15,Edge], [4:0-1-11,0-0-5], [14:0-4-0,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.68	Vert(LL)	-0.13	10-12	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.37	Vert(TL)	-0.24	10-12	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.97	Horz(TL)	0.04	8	n/a	n/a		
BCDL	5.0	Code FBC2014/TPI2007		Matrix-MS		Wind(LL)	0.09	10	>999	240	Weight: 357 lb	FT = 0%

LUMBER-
TOP CHORD 2x6 SP M 26
BOT CHORD 2x8 SP 2400F 2.0E
WEBS 2x4 SP No.3 *Except*
7-8: 2x4 SP No.2, 1-15: 2x6 SP No.2, 1-14,5-9,7-9: 2x4 SP No.1

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

REACTIONS. (lb/size) 15=5616/0-8-0, 8=7582/0-3-8
Max Horz 15=199(LC 20)
Max Uplift 15=-1810(LC 4), 8=-2617(LC 5)
Max Grav 15=5948(LC 2), 8=7582(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-10570/3063, 2-3=-11229/3159, 3-13=-408/1622, 7-8=-7348/2556, 1-15=-5137/1538, 3-4=-10431/2963, 4-5=-10351/2943, 5-6=-7978/2785, 6-7=-7978/2785
BOT CHORD 14-15=-539/1230, 13-14=-3011/10273, 12-13=-2931/10351, 10-12=-3476/10417, 9-10=-3476/10417
WEBS 2-14=-2046/1170, 6-9=-4937/1804, 1-14=-2615/9210, 5-9=-3822/958, 7-9=-3505/10231, 2-13=-841/1098, 4-12=-322/1592, 5-12=-2757/1370

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-4-0 oc.
Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc, Except member 4-12 2x4 - 1 row at 0-4-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=3.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Bearing at joint(s) 15, 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 15=1810, 8=2617.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 610 lb down and 231 lb up at 2-1-8, 610 lb down and 231 lb up at 4-1-8, and 610 lb down and 231 lb up at 6-1-8, and 3466 lb down at 8-1-8 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

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Continued on page 2

LOAD CASE(S) Standard

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LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
   Vert: 1-2=-100, 2-3=-100, 8-15=-10, 3-7=-220
   Concentrated Loads (lb)
   Vert: 3=-514 6=-1312 12=-938(F) 16=-610(F) 17=-610(F) 18=-610(F) 19=-157 20=-354 21=-264 23=-2627 24=-1313

Job	Truss	Truss Type	Qty	Ply	
1291636	H8	Half Hip	1	1	T12775964
					Job Reference (optional)

Builder's First Source, Groveland, FL 34736 8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:51:35 2017 Page 1
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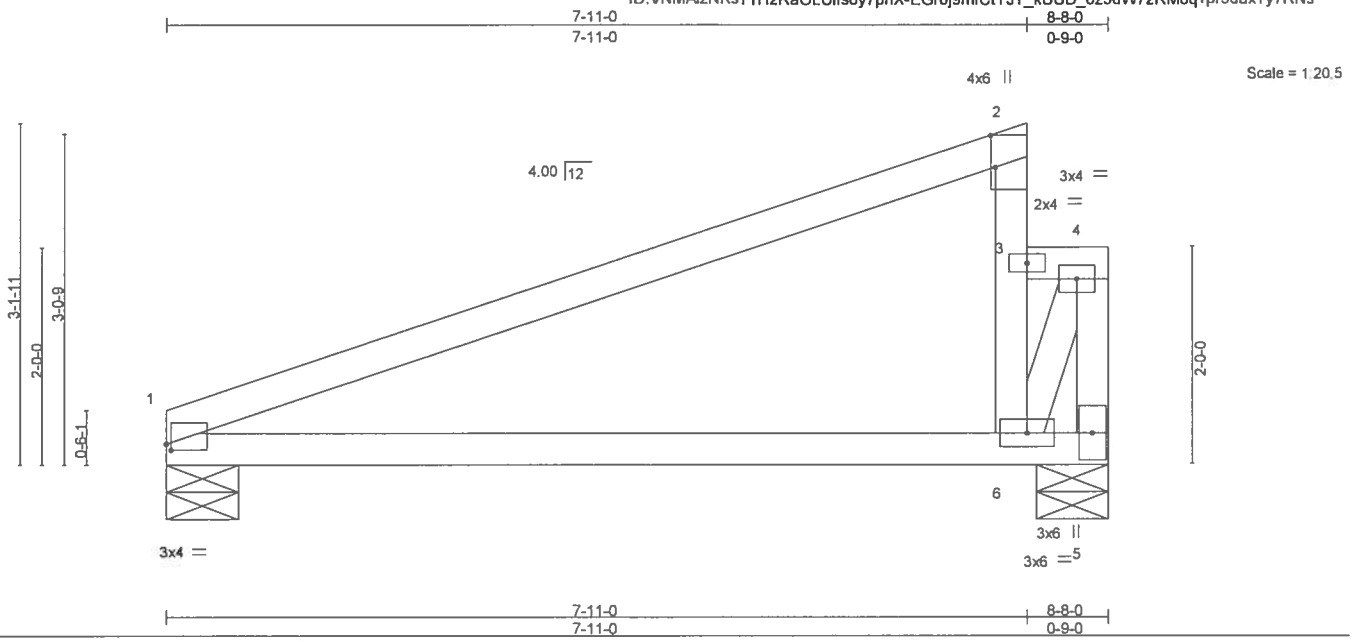

Plate Offsets (X,Y)-- [1:0-0-8,0-0-11], [2:0-3-8,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.63	Vert(LL)	0.12	6-9	>766	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.53	Vert(TL)	-0.21	6-9	>435	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.17	Horz(TL)	0.03	1	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-MS							Weight: 35 lb	FT = 0%

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. (lb/size) 1=318/0-8-0, 5=346/0-8-0, 6=-33/0-8-0
Max Horz 1=165(LC 7)
Max Uplift 1=-160(LC 6), 5=-458(LC 10), 6=-51(LC 21)
Max Grav 1=318(LC 21), 5=346(LC 1), 6=313(LC 10)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-293/147, 4-5=-534/471
WEBS 4-6=-411/450

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Interior(1) 0-0-0 to 8-6-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6 except (jt=lb) 1=160, 5=458.

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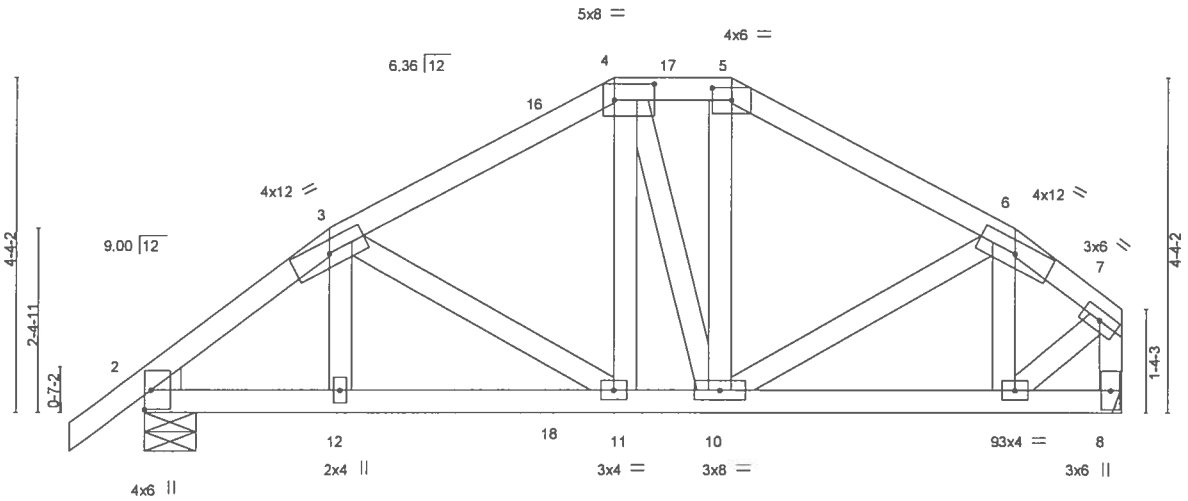
Job	Truss	Truss Type	Qty	Ply	
1291636	H9	Hip Girder	1	1	T12775965
					Job Reference (optional)

Builder's First Source, Groveland, FL 34736

8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:51:36 2017 Page 1
ID:VNMAlzNKsT1H2RaOLUlfsoy7pnX-iSPOwVnHzAgA58Jg2wV1WlAm9SrlXH1z3lM8Twy7RNr

-0-11-10	2-4-12	6-0-15	7-7-4	11-3-6	12-8-1
0-11-10	2-4-12	3-8-3	1-6-5	3-8-3	1-4-11

Scale = 1:28.8



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

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.29	Vert(LL)	0.03	11-12	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.29	Vert(TL)	-0.04	11-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.19	Horz(TL)	0.01	8	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-MS							Weight: 82 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
7-8: 2x4 SP No.2
WEDGE
Left: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-2-13 oc bracing.

REACTIONS. (lb/size) 2=683/0-8-0, 8=634/Mechanical
Max Horz 2=153(LC 7)
Max Uplift 2=-477(LC 8), 8=-436(LC 9)
Max Grav 2=714(LC 33), 8=648(LC 34)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-870/613, 3-4=-766/609, 4-5=-604/532, 5-6=-711/548, 6-7=-524/343, 7-8=-639/428
BOT CHORD 2-12=-506/725, 11-12=-504/729, 10-11=-481/683, 9-10=-261/375
WEBS 6-10=-289/311, 6-9=-256/251, 7-9=-332/492

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=477, 8=436.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 113 lb down and 99 lb up at 2-4-12, 154 lb down and 151 lb up at 5-3-12, and 142 lb down and 153 lb up at 6-0-15, and 157 lb down and 153 lb up at 7-7-4 on top chord, and 31 lb down and 42 lb up at 2-4-12, 43 lb down and 36 lb up at 5-3-12, and 120 lb down and 86 lb up at 6-0-15, and 115 lb down and 90 lb up at 7-7-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

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

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LOAD CASE(S) Standard

Uniform Loads (plf)

Vert: 1-3=-54, 3-4=-54, 4-5=-54, 5-6=-54, 6-7=-54, 8-13=-20

Concentrated Loads (lb)

Vert: 4=-61(F) 5=-37(F) 12=-11(F) 11=-93(F) 10=-84(F) 16=-25(F) 18=-27(F)

Job	Truss	Truss Type	Qty	Ply	T12775966
1291636	H10	Hip	1	1	Job Reference (optional)

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8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:51:32 2017 Page 1
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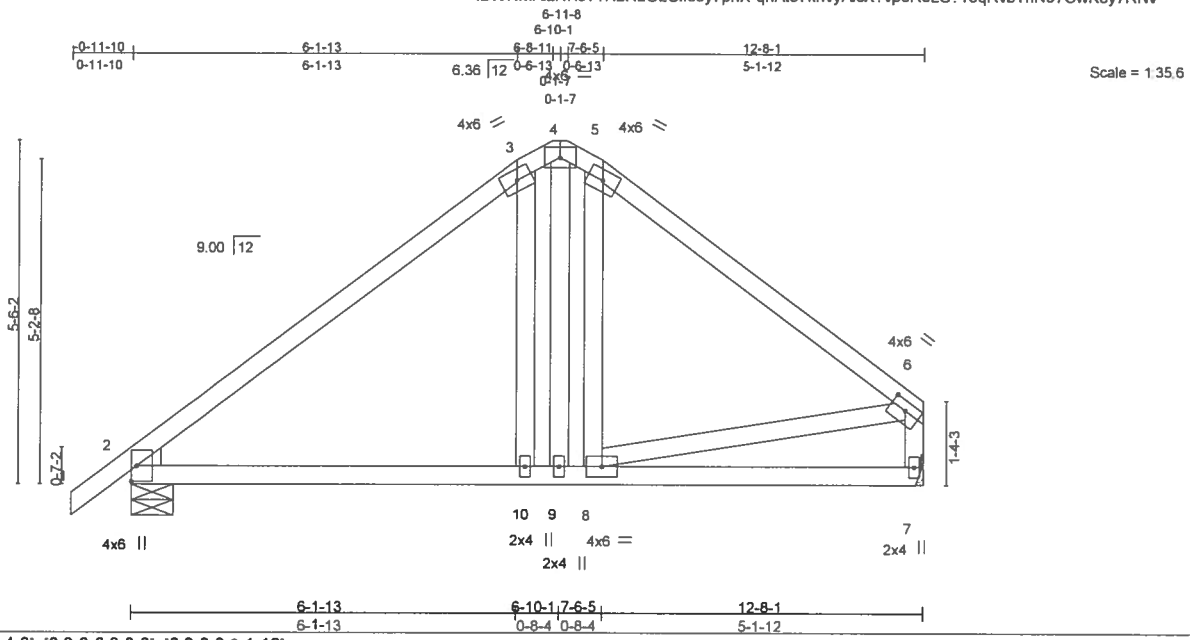

Plate Offsets (X,Y)— [2:0-0-12,0-4-2], [2:0-0-6,0-0-8], [6:0-3-0,0-1-12]

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	0.49	Vert(LL)	0.13	10-13	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.39	Vert(TL)	-0.16	10-13	>963	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.15	Horz(TL)	0.02	2	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-MS							Weight: 76 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
6-7: 2x4 SP No.2
WEDGE
Left: 2x4 SP No.3

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

REACTIONS. (lb/size) 2=518/0-8-0, 7=462/Mechanical
Max Horz 2=204(LC 9)
Max Uplift 2=-203(LC 10), 7=-152(LC 11)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-487/182, 3-4=-508/273, 4-5=-512/274, 5-6=-482/196, 6-7=-455/192
BOT CHORD 2-10=-66/350, 9-10=-60/346, 8-9=-60/346
WEBS 6-8=-91/321, 4-9=-274/406

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Interior(1) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=203, 7=152.

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Job	Truss	Truss Type	Qty	Ply	T12775967
1291636	H11	Hip	1	1	Job Reference (optional)

Builder's First Source, Groveland, FL 34736 — 8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:51:33 2017 Page 1
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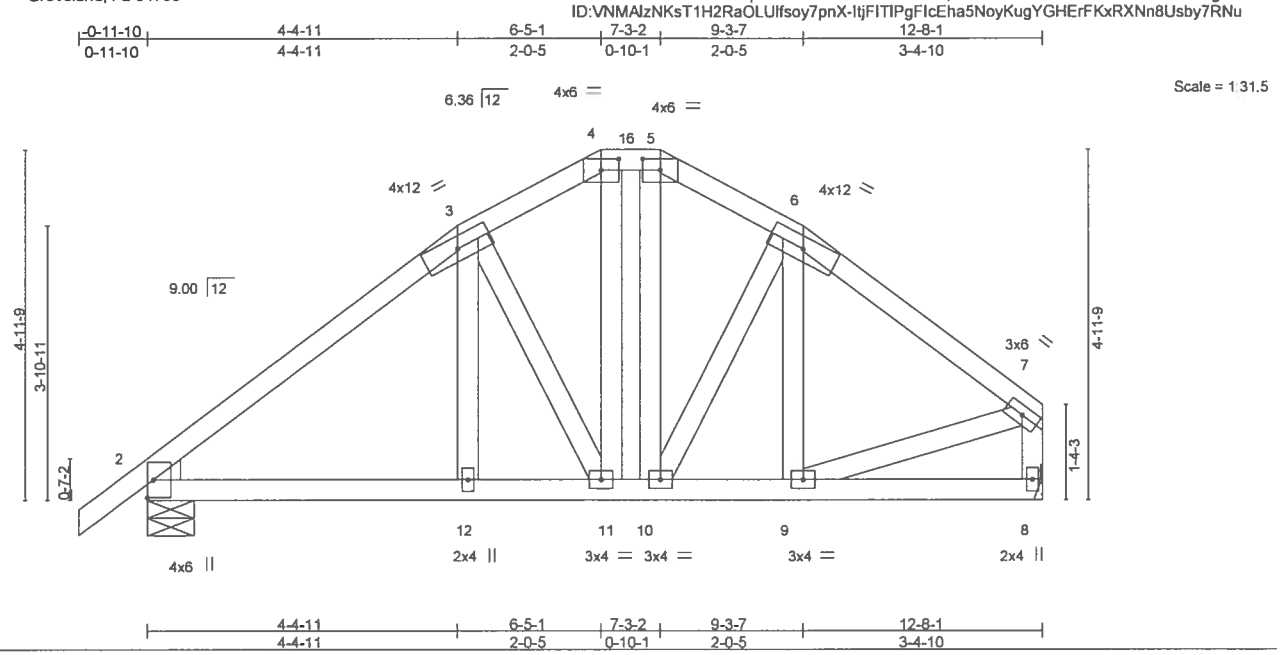

Plate Offsets (X,Y)— [2:0-0-12,0-4-2], [2:0-0-6,0-0-8], [4:0-3-0,0-1-15], [5:0-3-0,0-1-15]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.20	Vert(LL)	0.02	12-15	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.19	Vert(TL)	-0.03	12-15	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.11	Horz(TL)	0.01	8	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-MS							Weight: 86 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
7-8: 2x4 SP No.2
WEDGE
Left: 2x4 SP No.3

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

REACTIONS. (lb/size) 2=518/0-8-0, 8=462/Mechanical
Max Horz 2=184(LC 9)
Max Uplift 2=-213(LC 10), 8=-164(LC 11)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-544/206, 3-4=-455/224, 4-5=-413/213, 5-6=-450/222, 6-7=-462/186, 7-8=-441/178
BOT CHORD 2-12=-150/402, 11-12=-151/406, 10-11=-79/306, 9-10=-74/320
WEBS 3-11=-253/179, 7-9=-62/297

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Interior(1) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=213, 8=164.

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Job	Truss	Truss Type	Qty	Ply	
1291636	HJ1	Diagonal Hip Girder	1	1	T12775968
					Job Reference (optional)

Builder's First Source, Groveland, FL 34736

8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:51:37 2017 Page 1
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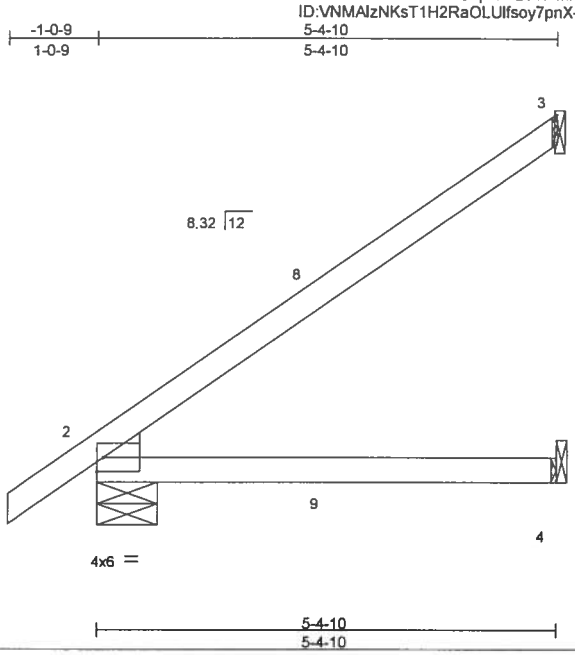

Plate Offsets (X,Y)— [2:0-0-7,0-0-5], [2:0-4-4,0-0-10]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.57	Vert(LL)	0.11	4-7	>608	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.33	Vert(TL)	-0.11	4-7	>591	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.00	Horz(TL)	-0.02	3	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-MP							Weight: 21 lb	FT = 0%

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

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

REACTIONS. (lb/size) 3=125/Mechanical, 2=265/0-8-8, 4=72/Mechanical
Max Horz 2=234(LC 23)
Max Uplift 3=-162(LC 8), 2=-82(LC 8), 4=-30(LC 8)
Max Grav 3=154(LC 29), 2=265(LC 1), 4=98(LC 3)

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

NOTES-
1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4 except (jt=lb) 3=162.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 174 lb down and 132 lb up at 2-8-0, and 174 lb down and 132 lb up at 2-8-0 on top chord, and 12 lb down and 21 lb up at 2-8-0, and 12 lb down and 21 lb up at 2-8-0 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=-54, 4-5=-20
Concentrated Loads (lb)
Vert: 9=-11(F=-6, B=-6)

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Job	Truss	Truss Type	Qty	Ply	
1291636	HJ2	Diagonal Hip Girder	1	1	T12775969
					Job Reference (optional)

Builder's First Source, Groveland, FL 34736 8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:51:38 2017 Page 1
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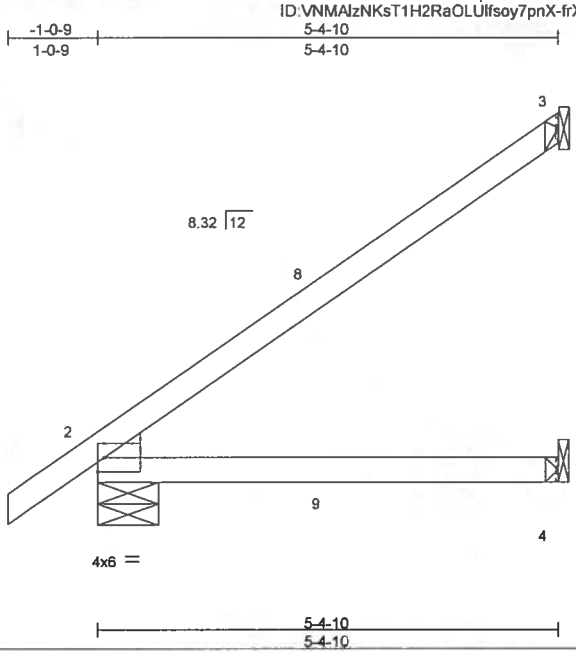

Plate Offsets (X,Y)— [2:0-0-7,0-0-5], [2:0-4-4,0-0-10]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.57	Vert(LL)	0.11	4-7	>608	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.33	Vert(TL)	-0.11	4-7	>591	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.00	Horz(TL)	-0.02	3	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-MP							Weight: 21 lb	FT = 0%

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

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

REACTIONS. (lb/size) 3=125/Mechanical, 2=265/0-8-8, 4=72/Mechanical
Max Horz 2=234(LC 8)
Max Uplift 3=-162(LC 8), 2=-82(LC 8), 4=-30(LC 8)
Max Grav 3=154(LC 29), 2=265(LC 1), 4=98(LC 3)

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

NOTES-
1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4 except (jt=lb) 3=162.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 174 lb down and 132 lb up at 2-8-0, and 174 lb down and 132 lb up at 2-8-0 on top chord, and 12 lb down and 21 lb up at 2-8-0, and 12 lb down and 21 lb up at 2-8-0 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=-54, 4-5=-20
Concentrated Loads (lb)
Vert: 9=-11(F=-6, B=-6)

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Job	Truss	Truss Type	Qty	Ply	
1291636	HJ3	Diagonal Hip Girder	1	1	T12775970
					Job Reference (optional)

Builder's First Source, Groveland, FL 34736

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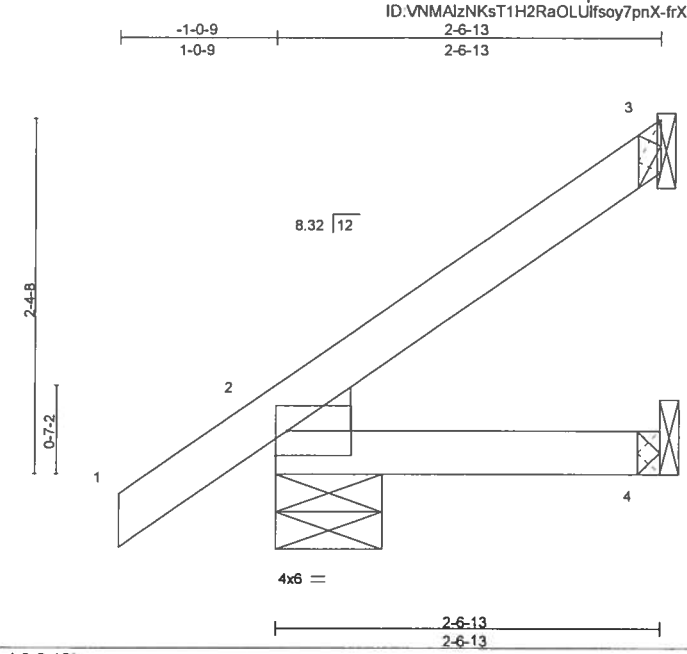

Plate Offsets (X,Y)— [2:0-0-7,0-0-5], [2:0-4-4,0-0-10]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.11	Vert(LL)	0.00	7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.11	Vert(TL)	-0.01	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.00	Horz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-MP							Weight: 11 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-6-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 3=53/Mechanical, 2=161/0-8-8, 4=28/Mechanical
Max Horz 2=128(LC 10)
Max Uplift 3=-70(LC 10), 2=-52(LC 10), 4=-9(LC 10)
Max Grav 3=65(LC 17), 2=161(LC 1), 4=44(LC 3)

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

NOTES-
1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Interior(1) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) Gable studs spaced at 2-0-0 oc.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2, 4.

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Job	Truss	Truss Type	Qty	Ply	
1291636	HJ4	Diagonal Hip Girder	1	1	T12775971
					Job Reference (optional)

Builder's First Source, Groveland, FL 34736 — 8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:51:39 2017 Page 1
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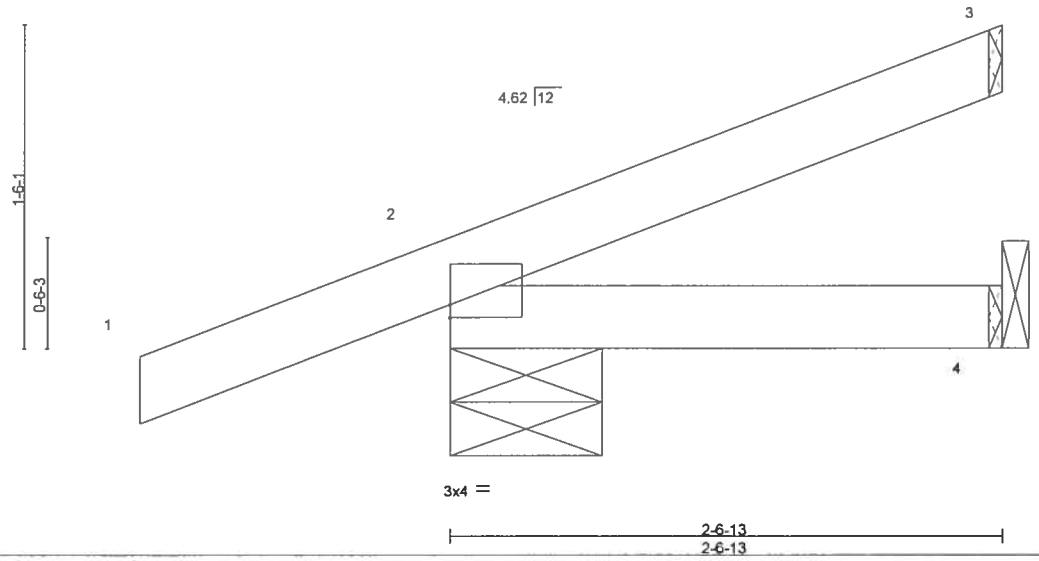

Plate Offsets (X,Y)— [2:0-0-0,0-0-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.53	Vert(LL)	0.01	4-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.43	Vert(TL)	-0.02	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.00	Horz(TL)	-0.01	2	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-MP							Weight: 10 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-6-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 2=184/0-8-8, 4=73/Mechanical
Max Horz 2=77(LC 6)
Max Uplift 2=-125(LC 6), 4=-55(LC 7)

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

NOTES-
1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Interior(1) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) Gable studs spaced at 2-0-0 oc.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 2=125.

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Job	Truss	Truss Type	Qty	Ply	T12775972
1291636	HJ5	Diagonal Hip Girder	1	1	Job Reference (optional)

Builder's First Source, Groveland, FL 34736 — 8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:51:40 2017 Page 1
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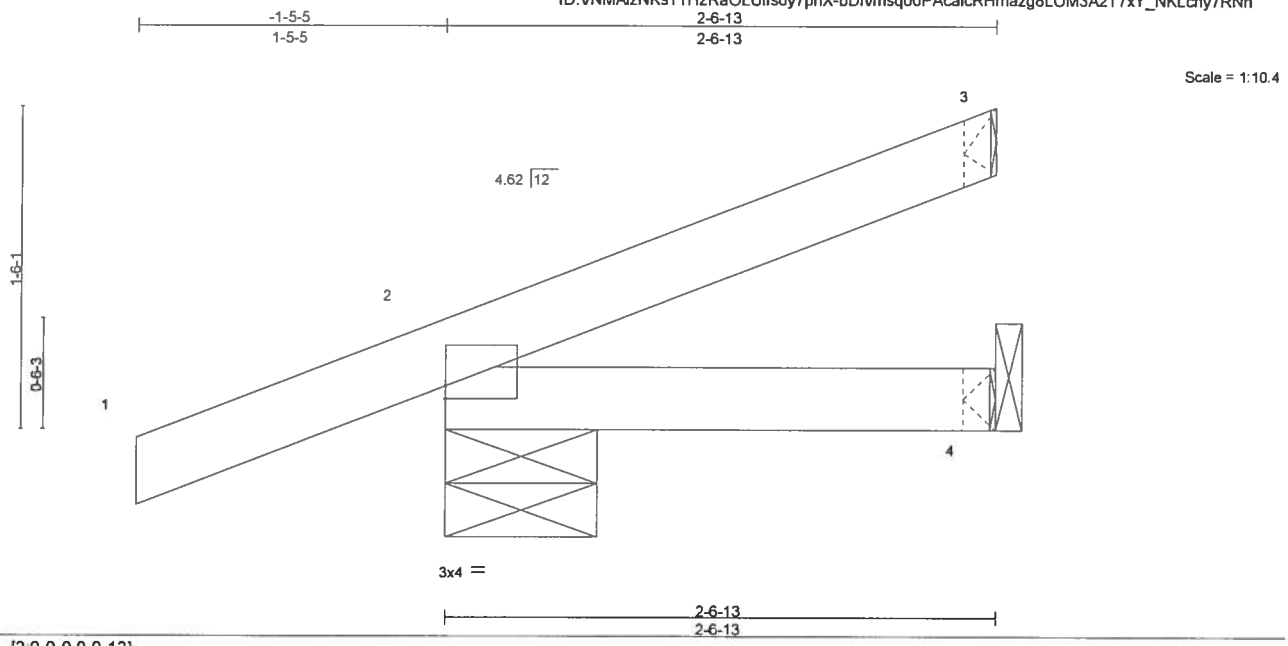

Plate Offsets (X,Y)— [2:0-0-0,0-0-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.53	Vert(LL)	0.01	4-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.43	Vert(TL)	-0.02	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.00	Horz(TL)	-0.01	2	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-MP							Weight: 10 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-6-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 2=184/0-8-8, 4=73/Mechanical
Max Horz 2=77(LC 6)
Max Uplift 2=-125(LC 6), 4=-55(LC 7)

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

NOTES-
1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Interior(1) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) Gable studs spaced at 2-0-0 oc.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 2=125.

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Job	Truss	Truss Type	Qty	Ply	
1291636	M2	Monopitch Supported Gable	1	1	T12775973
					Job Reference (optional)

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8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:51:40 2017 Page 1
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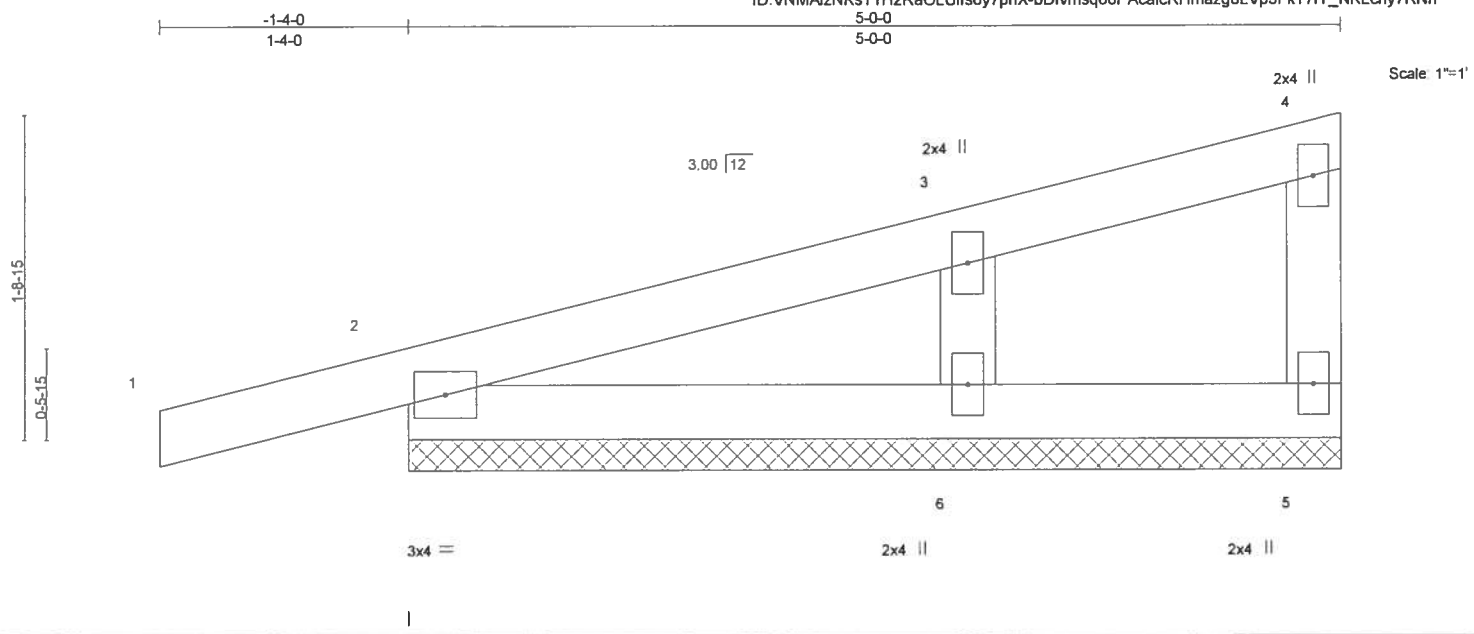

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.12	Vert(LL)	0.00	1	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.07	Vert(TL)	0.00	1	n/r	90		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(TL)	0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-P							Weight: 20 lb	FT = 0%

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

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

REACTIONS. (lb/size) 5=43/5-0-0, 2=183/5-0-0, 6=206/5-0-0
Max Horz 2=84(LC 9)
Max Uplift 5=-22(LC 6), 2=-143(LC 6), 6=-108(LC 10)

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

NOTES-
1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Interior(1) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) Gable requires continuous bottom chord bearing.
4) Gable studs spaced at 2-0-0 oc.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5 except (jt=lb) 2=143, 6=108.

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Job	Truss	Truss Type	Qty	Ply	
1291636	T2GE	Common Supported Gable	1	1	T12775974
					Job Reference (optional)

Builder's First Source, Groveland, FL 34736

8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:51:43 2017 Page 1
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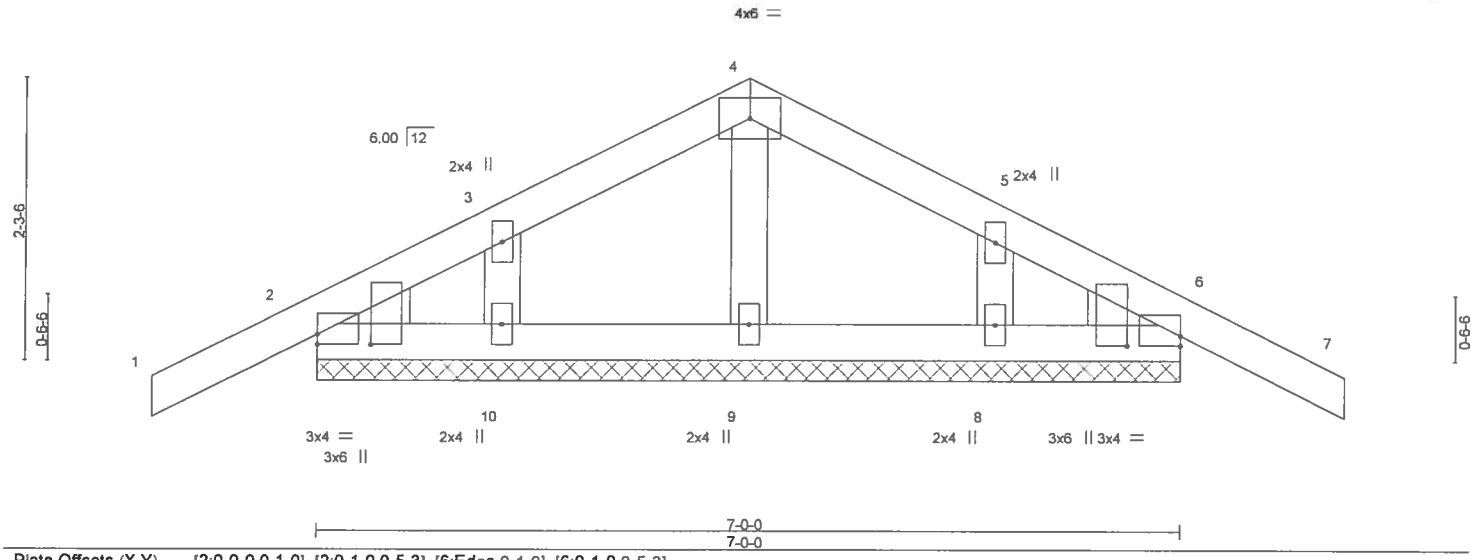

Plate Offsets (X,Y)-- [2:0-0-0,0-1-0], [2:0-1-0,0-5-3], [6:Edge,0-1-0], [6:0-1-0,0-5-3]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.13	Vert(LL)	-0.01	7	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.06	Vert(TL)	-0.01	7	n/r	90		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(TL)	0.00	6	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-S							Weight: 33 lb	FT = 0%

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

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

REACTIONS. All bearings 7-0-0.
(lb) - Max Horz 2=57(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 6, 9, 10, 8
Max Grav All reactions 250 lb or less at joint(s) 2, 6, 9, 10, 8

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Interior(1) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Gable requires continuous bottom chord bearing.
5) Gable studs spaced at 2-0-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6, 9, 10, 8.

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Job	Truss	Truss Type	Qty	Ply	T12775975
1291636	T3GE	Common Supported Gable	1	1	Job Reference (optional)

Builder's First Source, Groveland, FL 34736 — 8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:51:44 2017 Page 1
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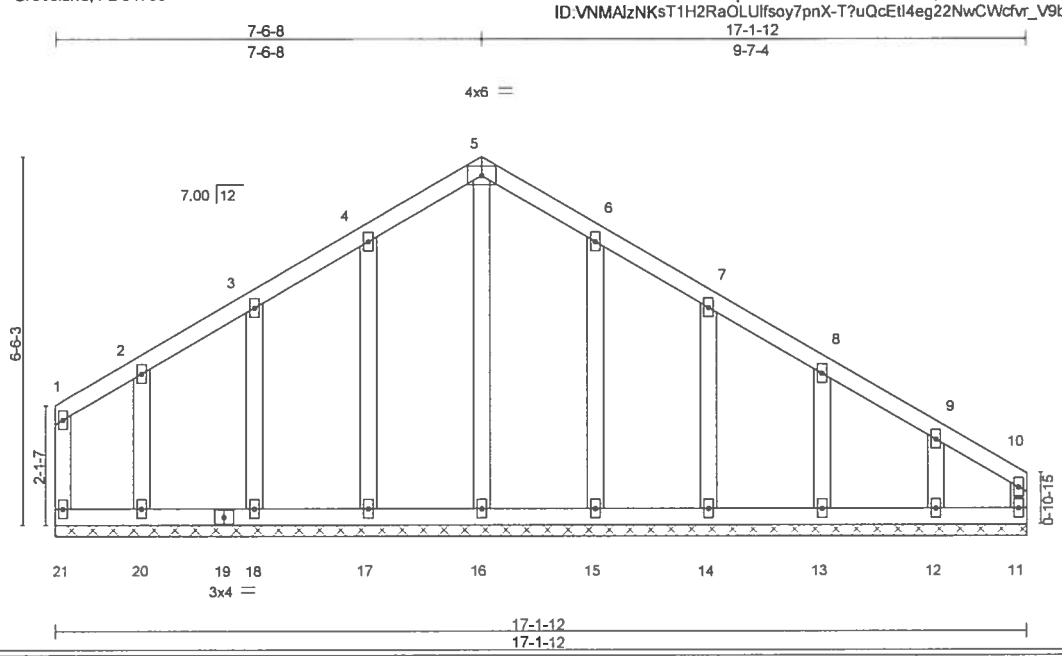

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.20	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.14	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.12	Horz(TL)	0.01	11	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-R							Weight: 102 lb	FT = 0%

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

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

REACTIONS. All bearings 17-1-12.
(lb) - Max Horz 21=-249(LC 6)
Max Uplift All uplift 100 lb or less at joint(s) 21, 16, 13 except 11=-167(LC 7), 17=-109(LC 10), 18=-110(LC 10), 20=-121(LC 10), 15=-110(LC 11), 14=-113(LC 11), 12=-186(LC 11)
Max Grav All reactions 250 lb or less at joint(s) 21, 11, 16, 17, 18, 20, 15, 14, 13, 12

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Interior(1) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 21, 16, 13 except (jt=lb) 11=167, 17=109, 18=110, 20=121, 15=110, 14=113, 12=186.

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Job	Truss	Truss Type	Qty	Ply	
1291636	T9	Common	3	1	T12775976
					Job Reference (optional)

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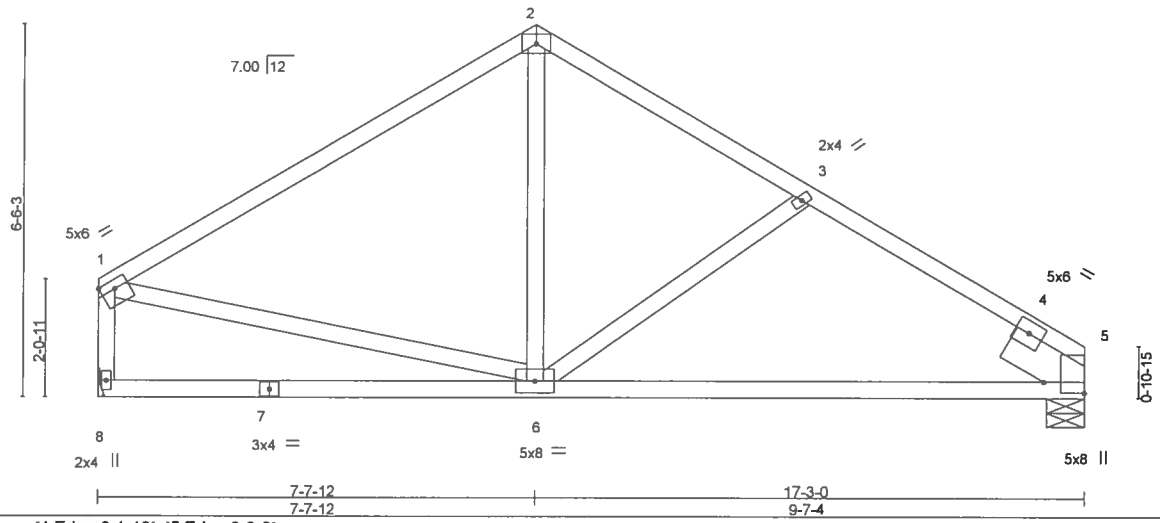

Plate Offsets (X,Y)— [1:Edge,0-1-12], [5:Edge,0-8-8]

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	0.74	Vert(LL)	-0.09	6-13	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.61	Vert(TL)	-0.23	6-13	>906	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.16	Horz(TL)	0.03	5	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-MS							Weight: 91 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
1-8: 2x4 SP No.2
SLIDER Right 2x8 SP 2400F 2.0E 1-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-1-15 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 5=645/0-8-0, 8=620/Mechanical
Max Horz 8=-240(LC 8)
Max Uplift 5=-247(LC 11), 8=-221(LC 10)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-628/254, 2-3=-645/253, 3-5=-770/323, 1-8=-573/249
BOT CHORD 6-8=-225/292, 5-6=-180/590
WEBS 2-6=-41/322, 3-6=-246/259, 1-6=-77/409

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Interior(1) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 5=247, 8=221.

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Job	Truss	Truss Type	Qty	Ply	T12775977
1291636	T10	Roof Special	1	1	Job Reference (optional)

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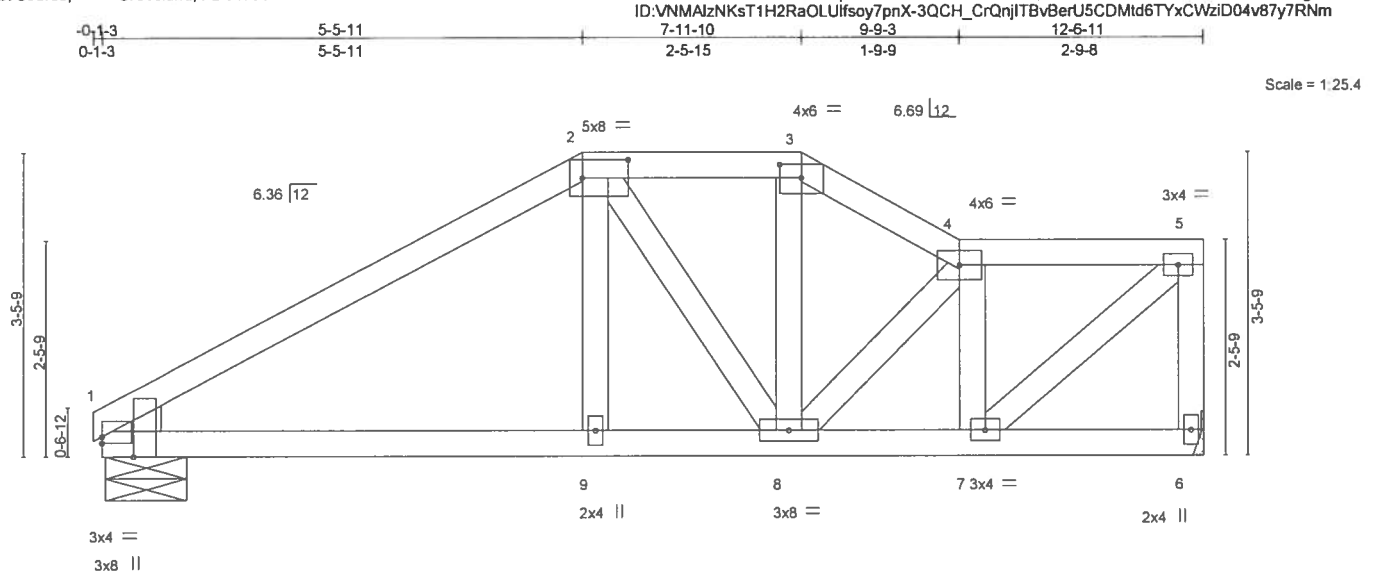

Plate Offsets (X,Y)-- [1:0-2-12,Edge], [1:0-0-0,0-0-14], [2:0-6-4,0-2-8], [3:0-3-0,0-1-13]

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	0.27	Vert(LL)	0.04	9-12	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.26	Vert(TL)	-0.06	9-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.21	Horz(TL)	0.01	1	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-MS							Weight: 68 lb	FT = 0%

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

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

REACTIONS. (lb/size) 6=459/Mechanical, 1=459/0-11-2
Max Horz 1=145(LC 9)
Max Uplift 6=-167(LC 11), 1=-167(LC 10)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-604/240, 2-3=-437/230, 3-4=-494/239, 4-5=-423/212, 5-6=-431/187
BOT CHORD 1-9=-191/480, 8-9=-190/486, 7-8=-169/444
WEBS 4-7=-309/155, 5-7=-201/543

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Interior(1) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=167, 1=167.

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Job	Truss	Truss Type	Qty	Ply	T12775978
1291636	T11	Roof Special	1	1	Job Reference (optional)

Builder's First Source, Groveland, FL 34736

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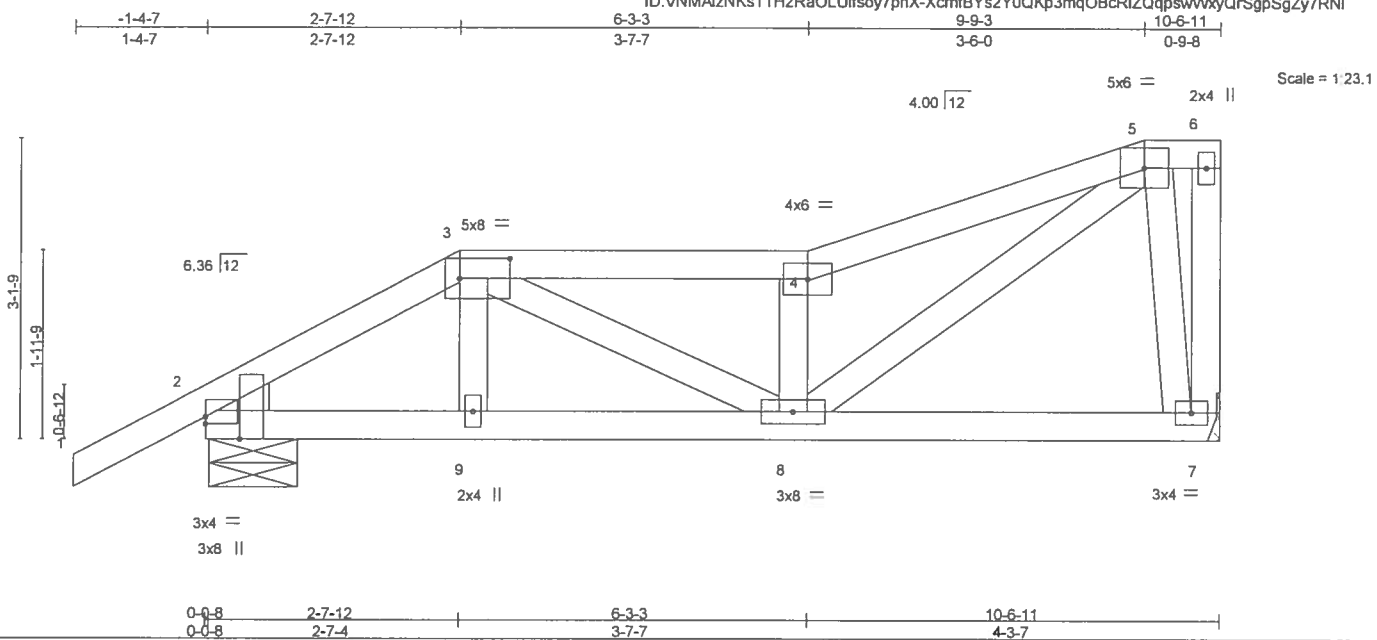

Plate Offsets (X,Y)— [2:0-2-12,Edge], [2:0-0-0,0-0-14], [3:0-6-4,0-2-8]

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	0.15	Vert(LL)	-0.02	8	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.18	Vert(TL)	-0.04	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.26	Horz(TL)	0.01	7	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-MS							Weight: 59 lb	FT = 0%

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

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

REACTIONS. (lb/size) 7=380/Mechanical, 2=464/0-11-2
Max Horz 2=174(LC 9)
Max Uplift 7=-179(LC 10), 2=-232(LC 10)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-534/243, 3-4=-588/273, 4-5=-686/352
BOT CHORD 2-9=-227/444, 8-9=-225/446
WEBS 4-8=-402/276, 5-8=-345/676, 5-7=-367/221

NOTES-
1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Interior(1) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=179, 2=232.

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Job	Truss	Truss Type	Qty	Ply	T12775979
1291636	UA1	Half Hip Girder	1	2	Job Reference (optional)

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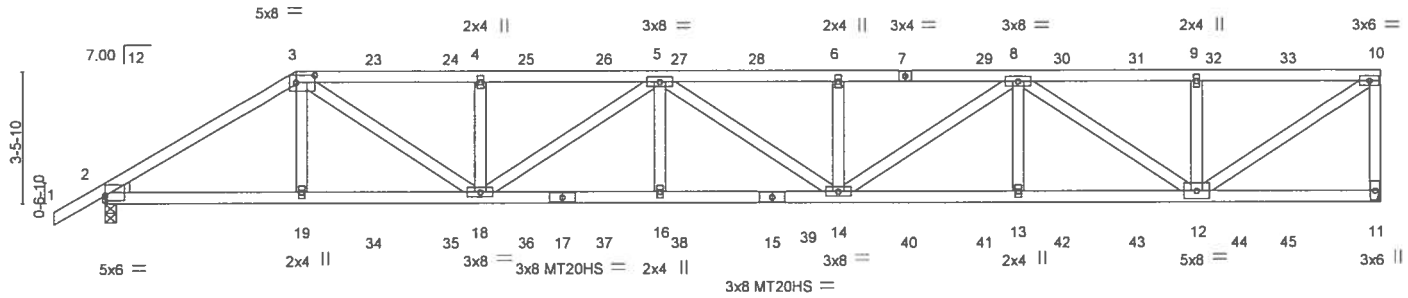
-1-4-0	5-0-0	9-10-3	14-6-9	19-3-0	23-11-7	28-7-13	33-6-0
1-4-0	5-0-0	4-10-3	4-8-7	4-8-7	4-8-7	4-8-7	4-10-3

Scale = 1:58.6



5-0-0	9-10-3	14-6-9	19-3-0	23-11-7	28-7-13	33-6-0
5-0-0	4-10-3	4-8-7	4-8-7	4-8-7	4-8-7	4-10-3

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

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	0.46	Vert(LL)	0.38	14-16	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.76	Vert(TL)	-0.51	14-16	>792	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.61	Horz(TL)	0.12	11	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-MS							Weight: 362 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-2-13 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-7-13 oc bracing.

REACTIONS. (lb/size) 11=2130/Mechanical, 2=2057/0-3-8
Max Horz 2=183(LC 26)
Max Uplift 11=-1468(LC 5), 2=-1321(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3367/2182, 3-4=-4629/3135, 4-5=-4629/3135, 5-6=-5363/3640, 6-8=-5363/3640, 8-9=-2688/1853, 9-10=-2688/1853, 10-11=-2019/1466
BOT CHORD 2-19=-1945/2816, 18-19=-1945/2825, 16-18=-3738/5407, 14-16=-3738/5407, 13-14=-3087/4451, 12-13=-3087/4451
WEBS 3-19=-9/318, 3-18=-1572/2193, 4-18=-451/478, 5-18=-955/678, 5-16=0/295, 6-14=-403/426, 8-14=-776/1101, 8-13=0/301, 8-12=-2127/1461, 9-12=-421/448, 10-12=-2195/3204

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical 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.
9) Refer to girder(s) for truss to truss connections.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 11=1468, 2=1321.

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Continued on page 2

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NOTES-

11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 139 lb down and 136 lb up at 5-0-0, 139 lb down and 132 lb up at 7-0-12, 139 lb down and 132 lb up at 9-0-12, 139 lb down and 132 lb up at 11-0-12, 139 lb down and 132 lb up at 13-0-12, 139 lb down and 132 lb up at 15-0-12, 139 lb down and 132 lb up at 17-0-12, 139 lb down and 122 lb up at 19-0-12, 139 lb down and 132 lb up at 21-0-12, 139 lb down and 132 lb up at 23-0-12, 139 lb down and 132 lb up at 25-0-12, 139 lb down and 132 lb up at 27-0-12, 139 lb down and 132 lb up at 29-0-12, and 139 lb down and 132 lb up at 31-0-12, and 122 lb down and 132 lb up at 33-4-4 on top chord, and 198 lb down and 131 lb up at 5-0-0, 50 lb down and 21 lb up at 7-0-12, 50 lb down and 21 lb up at 9-0-12, 50 lb down and 21 lb up at 11-0-12, 50 lb down and 21 lb up at 13-0-12, 50 lb down and 21 lb up at 15-0-12, 50 lb down and 21 lb up at 17-0-12, 50 lb down and 21 lb up at 19-0-12, 50 lb down and 21 lb up at 21-0-12, 50 lb down and 21 lb up at 23-0-12, 50 lb down and 21 lb up at 25-0-12, 50 lb down and 21 lb up at 27-0-12, 50 lb down and 21 lb up at 29-0-12, and 50 lb down and 21 lb up at 31-0-12, and 64 lb down and 13 lb up at 33-4-4 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: 1-3=-54, 3-10=-54, 11-20=-20

Concentrated Loads (lb)

Vert: 3=-62(B) 7=-62(B) 10=-81(B) 11=-44(B) 19=-172(B) 6=-62(B) 14=-37(B) 23=-62(B) 24=-62(B) 25=-62(B) 26=-62(B) 27=-62(B) 28=-62(B) 29=-62(B) 30=-62(B) 31=-62(B) 32=-62(B) 33=-62(B) 34=-37(B) 35=-37(B) 36=-37(B) 37=-37(B) 38=-37(B) 39=-37(B) 40=-37(B) 41=-37(B) 42=-37(B) 43=-37(B) 44=-37(B) 45=-37(B)

Job	Truss	Truss Type	Qty	Ply	T12775980
1291636	UA2	Hip	1	1	Job Reference (optional)

Builder's First Source, Groveland, FL 34736 — 8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:52:01 2017 Page 1
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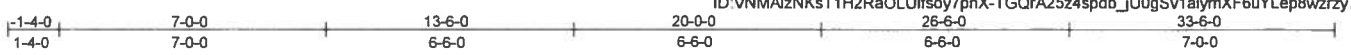

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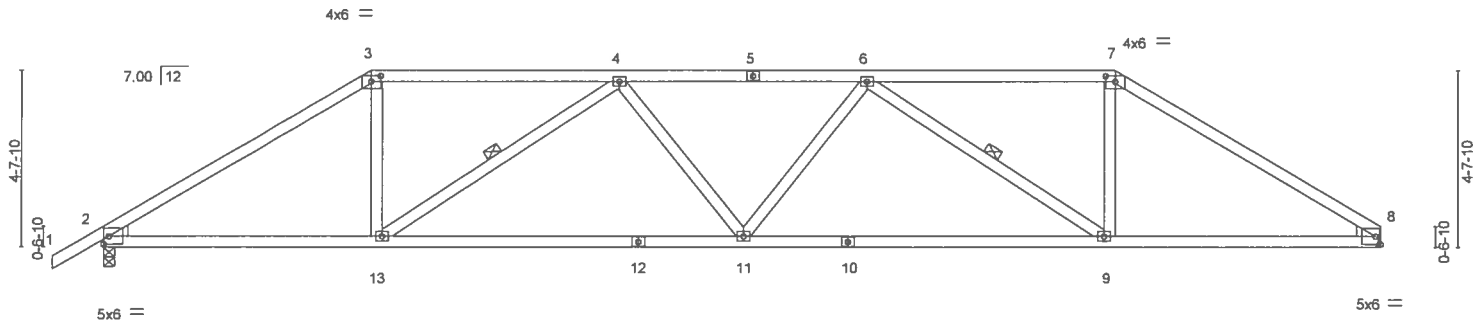

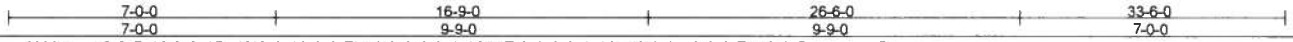

Plate Offsets (X,Y)— [2:0-5-10,0-0-15], [2:0-0-13,0-0-7], [3:0-3-0,0-1-12], [7:0-3-0,0-1-12], [8:0-0-13,0-0-7], [8:0-5-10,0-0-15]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.61	Vert(LL)	0.21	9-11	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.81	Vert(TL)	-0.56	11-13	>720	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.31	Horz(TL)	0.12	8	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-MS							Weight: 157 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
10-12: 2x4 SP No.1
WEBS 2x4 SP No.3
WEDGE
Left: 2x4 SP No.3, Right: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-6-1 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-9-15 oc bracing.
WEBS 1 Row at midpt 4-13, 6-9

REACTIONS. (lb/size) 2=1313/0-3-8, 8=1238/Mechanical
Max Horz 2=161(LC 7)
Max Uplift 2=-551(LC 10), 8=-493(LC 11)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1971/750, 3-4=-1638/736, 4-6=-2402/943, 6-7=-1646/735, 7-8=-1979/748
BOT CHORD 2-13=-662/1617, 11-13=-1000/2325, 9-11=-951/2327, 8-9=-522/1625
WEBS 3-13=-201/655, 4-13=-906/559, 4-11=-54/257, 6-11=-52/256, 6-9=-902/558, 7-9=-201/654

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Interior(1) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are 3x4 MT20 unless otherwise indicated.
5) The solid section of the plate is required to be placed over the splice line at joint(s) 12, 10.
6) Plate(s) at joint(s) 12 and 10 checked for a plus or minus 5 degree rotation about its center.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Refer to girder(s) for truss to truss connections.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=551, 8=493.

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MiTek
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Tampa, FL 36610

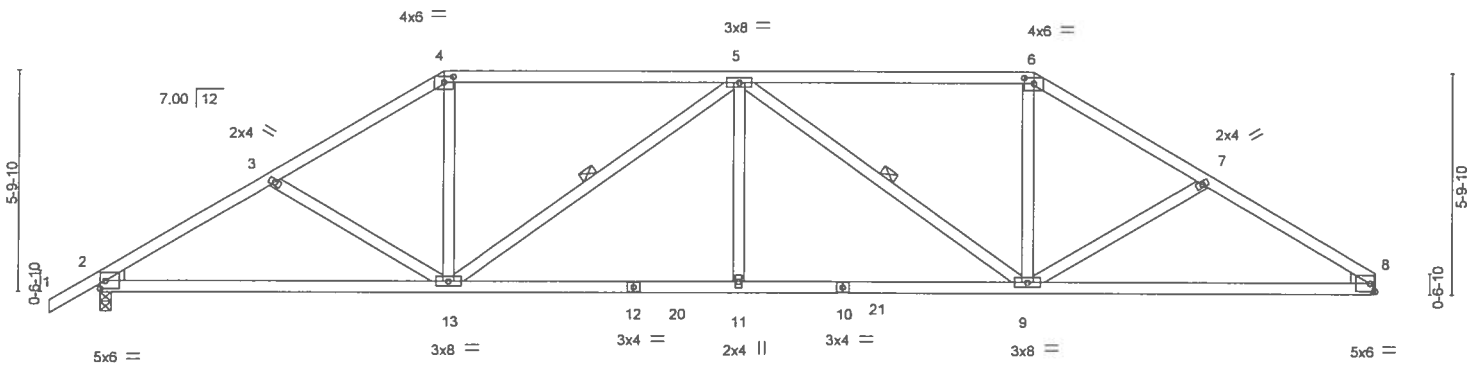
Job	Truss	Truss Type	Qty	Ply	
1291636	UA3	Hip	1	1	T12775981
					Job Reference (optional)

Builder's First Source, Groveland, FL 34736

8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:52:06 2017 Page 1
ID:VNMAlzNKsT1H2RaOLUlfsoy7pnX-qEDkDl85vOSwhlcRoE24kdPoRYzCZpqNzPdjXAy7RNN

-1-4-0	4-6-13	9-0-0	16-9-0	24-6-0	28-11-3	33-6-0
1-4-0	4-6-13	4-5-3	7-9-0	7-9-0	4-5-3	4-6-13

Scale = 1:58.5



9-0-0	16-9-0	24-6-0	33-6-0
9-0-0	7-9-0	7-9-0	9-0-0

Plate Offsets (X,Y)-- [2:0-5-10,0-0-15], [2:0-0-13,0-0-7], [4:0-3-0,0-1-12], [6:0-3-0,0-1-12], [8:0-0-13,0-0-7], [8:0-5-10,0-0-15]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.68	Vert(LL)	0.14	11-13	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.75	Vert(TL)	-0.32	11-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.29	Horz(TL)	0.11	8	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-MS							Weight: 174 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-7-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-9-12 oc bracing.
WEBS 1 Row at midpt 5-13, 5-9

REACTIONS. (lb/size) 2=1313/0-3-8, 8=1238/Mechanical
Max Horz 2=201(LC 7)
Max Uplift 2=-545(LC 10), 8=-492(LC 11)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1995/818, 3-4=-1802/721, 4-5=-1521/692, 5-6=-1526/697, 6-7=-1808/727, 7-8=-2006/829
BOT CHORD 2-13=-735/1667, 11-13=-718/1957, 9-11=-718/1957, 8-9=-624/1680
WEBS 3-13=-321/241, 4-13=-154/579, 5-13=-634/396, 5-11=0/319, 5-9=-632/394, 6-9=-155/580, 7-9=-316/251

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Interior(1) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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) 2=545, 8=492.

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Job	Truss	Truss Type	Qty	Ply	T12775982
1291636	UA4	Hip	1	1	Job Reference (optional)

Builder's First Source, Groveland, FL 34736

8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:52:07 2017 Page 1
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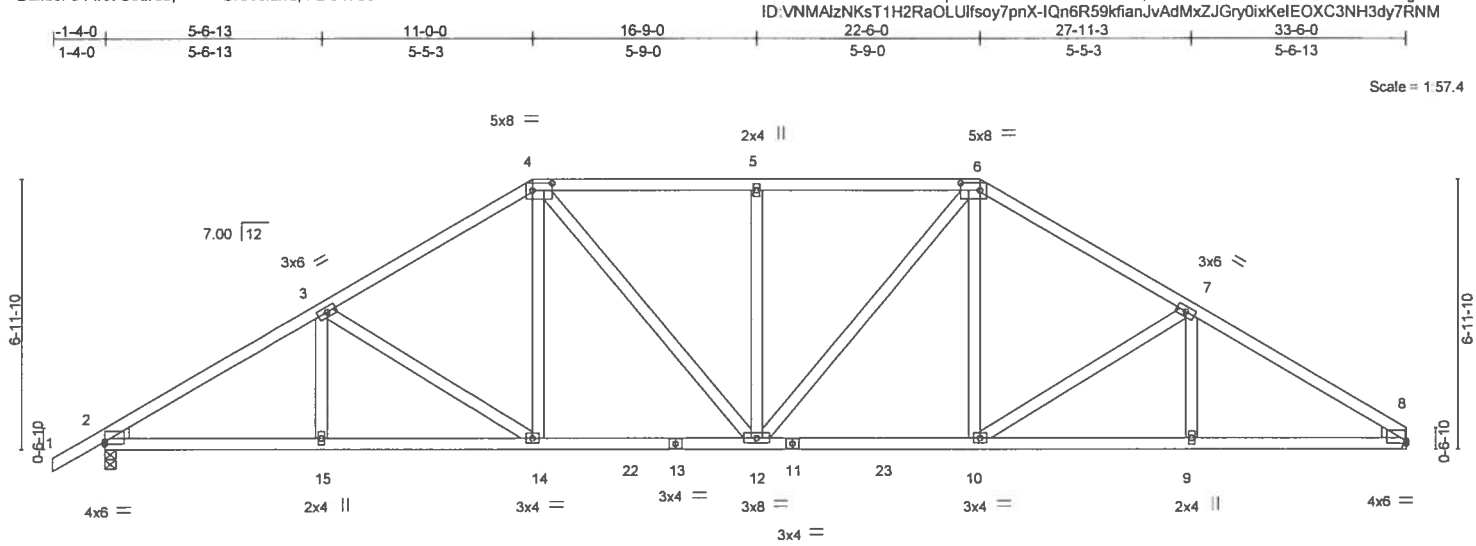

Plate Offsets (X,Y)— [2:Edge,0-0-13], [4:0-6-0,0-2-4], [6:0-6-0,0-2-4], [8:0-0-0,0-0-13]

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	0.46	Vert(LL)	-0.11	12	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.67	Vert(TL)	-0.25	10-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.40	Horz(TL)	0.11	8	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-MS							Weight: 190 lb	FT = 0%

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

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

REACTIONS. (lb/size) 8=1240/Mechanical, 2=1314/0-3-8
Max Horz 2=242(LC 9)
Max Uplift 8=-488(LC 11), 2=-540(LC 10)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2024/770, 3-4=-1685/686, 4-5=-1586/711, 5-6=-1586/711, 6-7=-1687/689, 7-8=-2033/780
BOT CHORD 2-15=-717/1675, 14-15=-717/1675, 12-14=-465/1393, 10-12=-359/1395, 9-10=-576/1685, 8-9=-576/1685
WEBS 3-14=-484/300, 4-14=-107/406, 4-12=-281/399, 5-12=-351/308, 6-12=-280/397, 6-10=-110/410, 7-10=-479/309

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Interior(1) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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=488, 2=540.

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
1291636	UA5	Hip	1	1	T12775983
					Job Reference (optional)

Builder's First Source, Groveland, FL 34736 — 8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:52:07 2017 Page 1
ID:VNMAlzNKsT1H2RaOLUlfsoy7pnX-IQn6R59kfianJvAdMxZJGrywRxLgIA9XC3NH3dy7RNM

6-6-13	13-0-0	20-6-0	26-11-3	33-6-0
6-6-13	6-5-3	7-6-0	6-5-3	6-6-13

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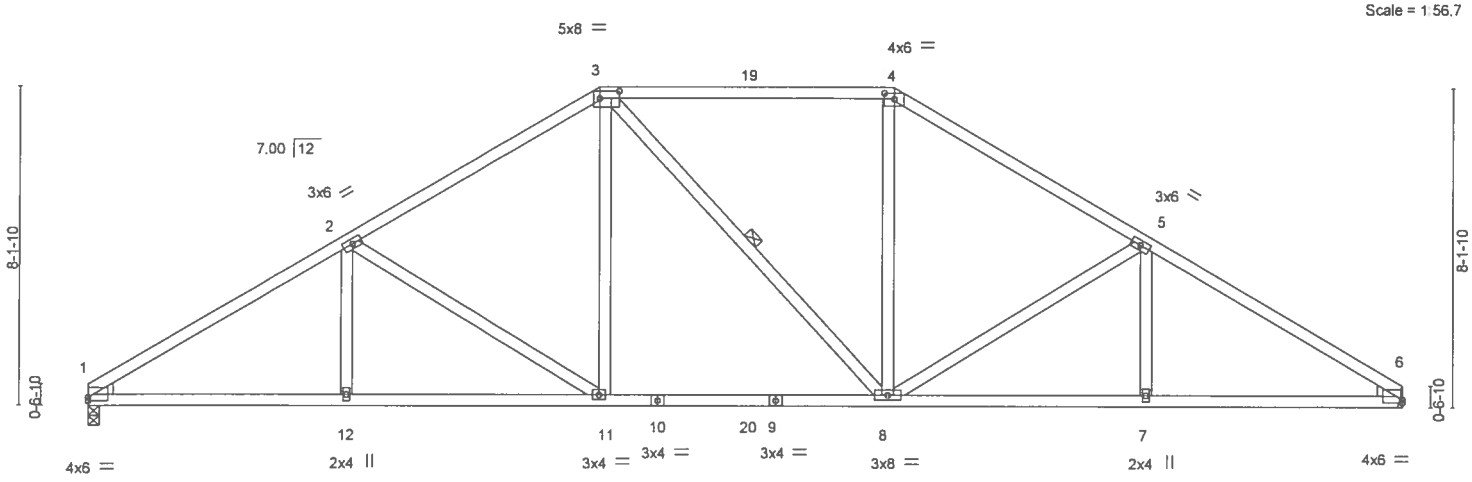

6-6-13	13-0-0	20-6-0	26-11-3	33-6-0
6-6-13	6-5-3	7-6-0	6-5-3	6-6-13

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

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	0.86	Vert(LL)	-0.14	8-11	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.60	Vert(TL)	-0.32	8-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.67	Horz(TL)	0.11	6	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-MS							Weight: 179 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-11-1 oc bracing.
WEBS 1 Row at midpt 3-8

REACTIONS. (lb/size) 1=1241/0-3-8, 6=1241/Mechanical
Max Horz 1=-265(LC 6)
Max Uplift 1=-482(LC 10), 6=-482(LC 11)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2015/756, 2-3=-1576/635, 3-4=-1331/630, 4-5=-1576/636, 5-6=-2014/756
BOT CHORD 1-12=-718/1661, 11-12=-718/1661, 8-11=-397/1288, 7-8=-540/1661, 6-7=-540/1661
WEBS 2-11=-595/380, 3-11=-129/518, 4-8=-112/457, 5-8=-595/381

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Interior(1) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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) 1=482, 6=482.

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Job	Truss	Truss Type	Qty	Ply	
1291636	UA6	Roof Special Girder	1	1	T12775984
					Job Reference (optional)

Builder's First Source, Groveland, FL 34736

8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:52:09 2017 Page 1
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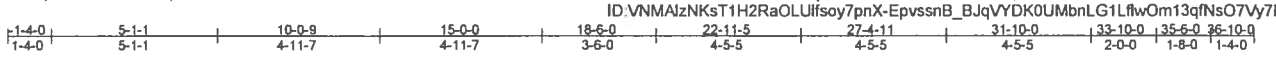

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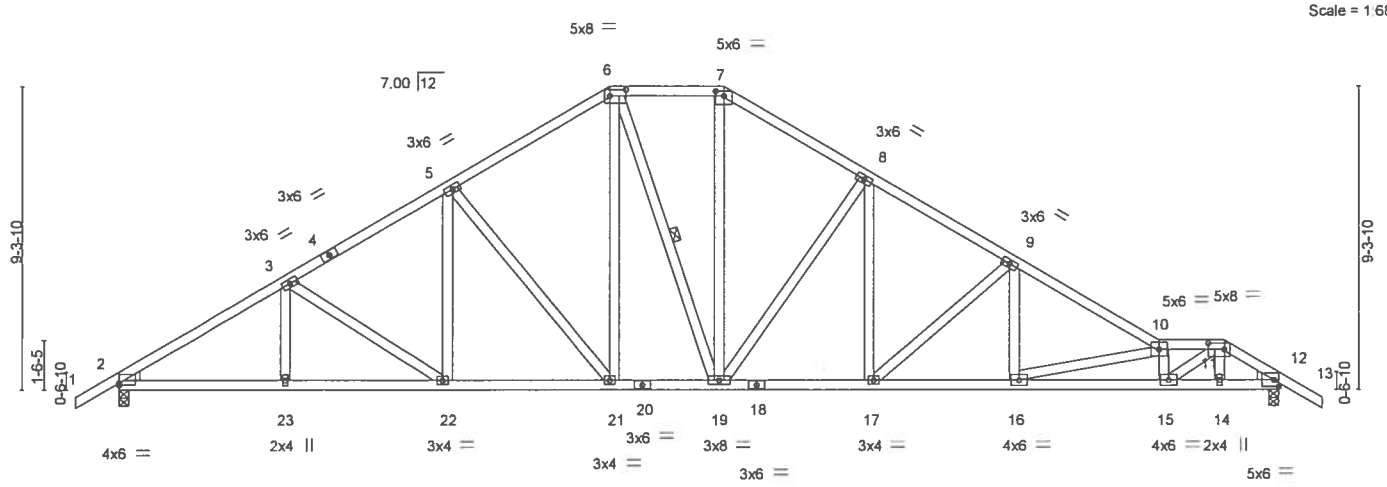

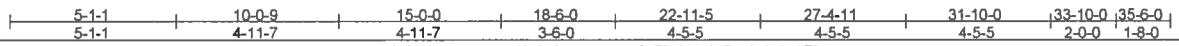

Plate Offsets (X,Y)— [2:0-0-0,0-0-13], [6:0-6-0,0-2-4], [7:0-3-0,0-1-12], [11:0-6-0,0-2-4], [12:0-0-13,0-0-7], [12:0-5-10,0-0-15]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.56	Vert(LL)	0.18	17	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.97	Vert(TL)	-0.37	17-19	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.84	Horz(TL)	0.12	12	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-MS							Weight: 237 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-1-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-5-0 oc bracing.
WEBS 1 Row at midpt 6-19

REACTIONS. (lb/size) 2=1386/0-3-8, 12=1379/0-3-8
Max Horz 2=-332(LC 6)
Max Uplift 2=-523(LC 8), 12=-549(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2152/738, 3-5=-1884/682, 5-6=-1537/604, 6-7=-1295/605, 7-8=-1558/634, 8-9=-2003/759, 9-10=-2561/926, 10-11=-3268/1218, 11-12=-1974/742
BOT CHORD 2-23=-730/1788, 22-23=-730/1788, 21-22=-531/1577, 19-21=-293/1266, 17-19=-372/1676, 16-17=-642/2186, 15-16=-1182/3396, 14-15=-535/1615, 12-14=-539/1624
WEBS 3-22=-315/238, 5-22=-81/323, 5-21=-569/378, 6-21=-246/510, 7-19=-222/551, 8-19=-713/441, 8-17=-203/519, 9-17=-671/389, 9-16=-114/456, 10-16=-1255/560, 10-15=-1091/467, 11-15=-719/1990

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=523, 12=549.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 130 lb down and 86 lb up at 33-10-0 on top chord, and 49 lb down and 35 lb up at 33-10-0 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
Uniform Loads (plf)
Vert: 1-6=-54, 6-7=-54, 7-10=-54, 10-11=-54, 11-13=-54, 24-27=-20

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Continued on page 2

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LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 14=7(F)

Job	Truss	Truss Type	Qty	Ply	
1291636	UA7	Roof Special	1	1	T12775985
					Job Reference (optional)

Builder's First Source, Groveland, FL 34736 — 8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:52:10 2017 Page 1
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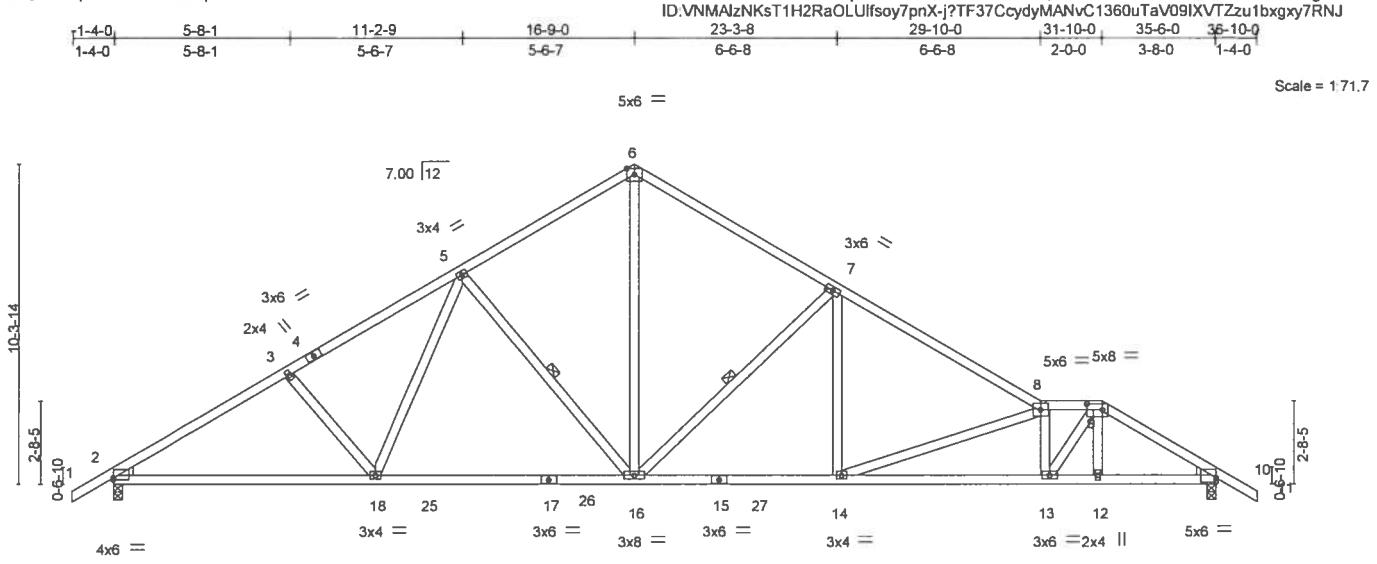

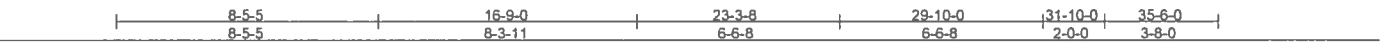

Plate Offsets (X,Y)— [2:0-0-0,0-0-13], [9:0-6-0,0-2-4], [10:0-0-0,0-1-13]

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	0.58	Vert(LL)	-0.25	16-18	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.85	Vert(TL)	-0.53	16-18	>798	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.95	Horz(TL)	0.13	10	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-MS							Weight: 206 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-2-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-3-8 oc bracing.
WEBS 1 Row at midpt 5-16, 7-16

REACTIONS. (lb/size) 2=1386/0-3-8, 10=1387/0-3-8
Max Horz 2=-367(LC 8)
Max Uplift 2=-539(LC 10), 10=-564(LC 11)
Max Grav 2=1399(LC 17), 10=1387(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2180/787, 3-5=-2090/763, 5-6=-1599/651, 6-7=-1596/629, 7-8=-2141/783, 8-9=-2653/1011, 9-10=-2105/799
BOT CHORD 2-18=-787/2038, 16-18=-541/1689, 14-16=-441/1743, 13-14=-883/2645, 12-13=-569/1752, 10-12=-571/1756
WEBS 3-18=-324/298, 5-18=-151/468, 5-16=-642/434, 6-16=-434/1281, 7-16=-916/535, 7-14=-104/505, 8-14=-1005/490, 8-13=-950/425, 9-13=-472/1366

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Interior(1) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) The solid section of the plate is required to be placed over the splice line at joint(s) 17.
5) Plate(s) at joint(s) 17 checked for a plus or minus 5 degree rotation about its center.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=539, 10=564.

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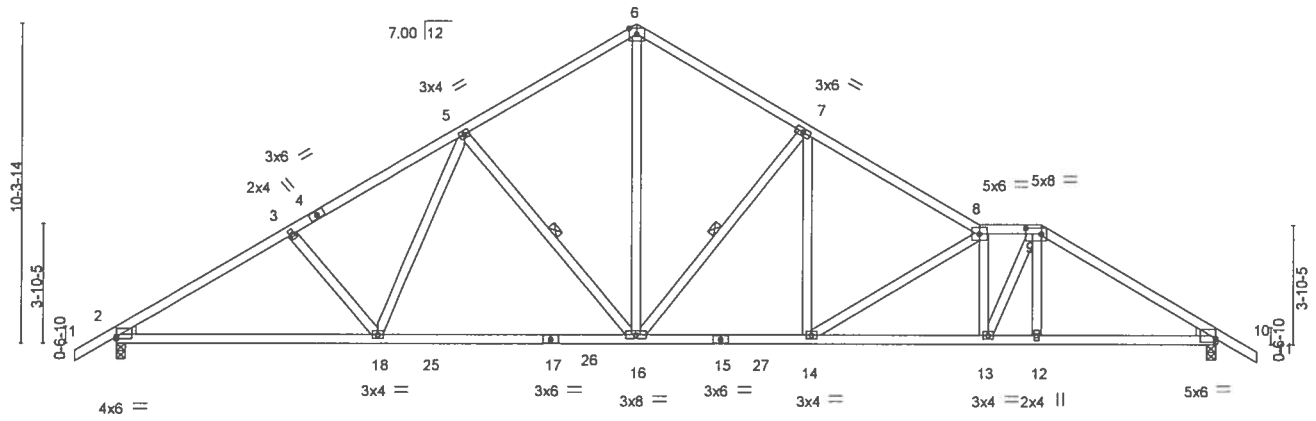
Job	Truss	Truss Type	Qty	Ply	
1291636	UA8	Roof Special	1	1	T12775986
					Job Reference (optional)

Builder's First Source, Groveland, FL 34736 — 8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:52:11 2017 Page 1
ID:VNMAlzNKsT1H2RaOLUlfsoy7pnX-BB0dHTCEjx4CoWUPbneFRh7hmZgDExi66hLUCOy7RNI

1-4-0	5-8-1	11-2-9	16-9-0	22-3-8	27-10-0	29-10-0	35-6-0	36-10-0
1-4-0	5-8-1	5-6-7	5-6-7	5-6-8	5-6-8	2-0-0	5-8-0	1-4-0

Scale = 1:71.7



8-5-5	16-9-0	22-3-8	27-10-0	29-10-0	35-6-0
8-5-5	8-3-11	5-6-8	5-6-8	2-0-0	5-8-0

Plate Offsets (X,Y)-- [2:0-0-0,0-0-13], [9:0-6-0,0-2-4], [10:0-0-0,0-1-9]

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	0.52	Vert(LL)	-0.24	16-18	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.76	Vert(TL)	-0.52	16-18	>813	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.89	Horz(TL)	0.12	10	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-MS							Weight: 211 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-5-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-7-3 oc bracing.
WEBS 1 Row at midpt 5-16, 7-16

REACTIONS. (lb/size) 2=1386/0-3-8, 10=1387/0-3-8
Max Horz 2=367(LC 9)
Max Uplift 2=-539(LC 10), 10=-564(LC 11)
Max Grav 2=1400(LC 17), 10=1387(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2175/787, 3-5=-2085/763, 5-6=-1592/651, 6-7=-1594/635, 7-8=-2024/754, 8-9=-2281/886, 9-10=-2121/792
BOT CHORD 2-18=-787/2040, 16-18=-541/1691, 14-16=-408/1634, 13-14=-681/2221, 12-13=-532/1747, 10-12=-533/1746
WEBS 3-18=-323/298, 5-18=-150/469, 5-16=-647/435, 6-16=-462/1304, 7-16=-845/502, 7-14=-159/511, 8-14=-752/393, 8-13=-758/308, 9-13=-308/962

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Interior(1) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) The solid section of the plate is required to be placed over the splice line at joint(s) 17.
5) Plate(s) at joint(s) 17 checked for a plus or minus 5 degree rotation about its center.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=539, 10=564.

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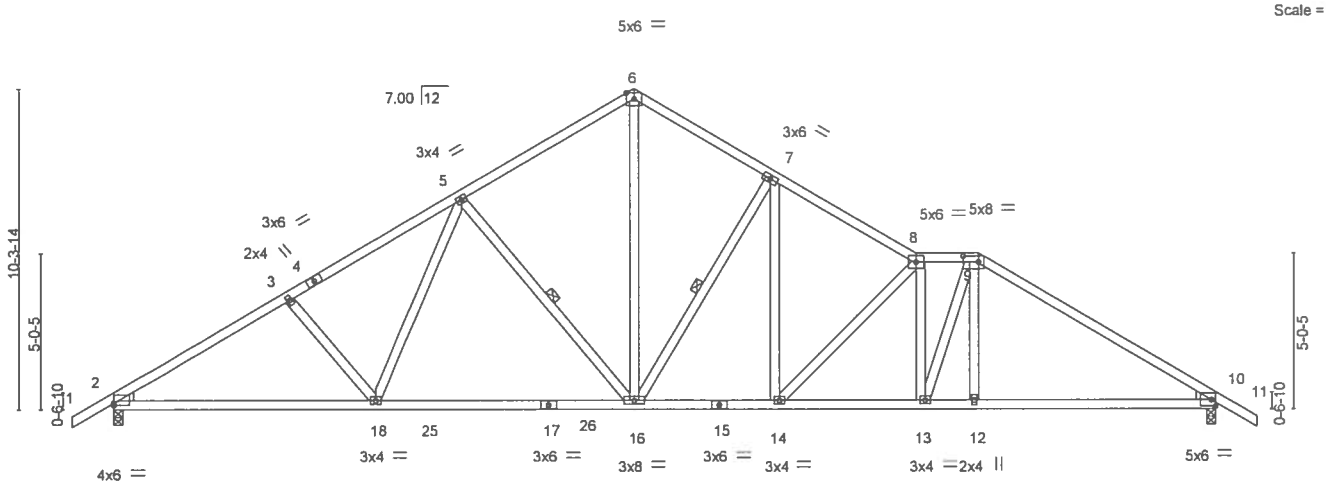
Job	Truss	Truss Type	Qty	Ply	T12775987
1291636	UA9	Roof Special	1	1	Job Reference (optional)

Builder's First Source, Groveland, FL 34736

8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:52:13 2017 Page 1
ID:VNMAlzNKsT1H2RaOLUlfsoy7pnX-7a8Nh8EUFYKw1qenjCgjW6CyTMMiiqNPa?qbGGy7RNG

1-4-0	5-8-1	11-2-9	16-9-0	21-3-8	25-10-0	27-10-0	35-6-0	36-10-0
1-4-0	5-8-1	5-6-7	5-6-7	4-6-8	4-6-8	2-0-0	7-8-0	1-4-0

Scale = 1:71.7



8-5-5	16-9-0	21-3-8	25-10-0	27-10-0	35-6-0
8-5-5	8-3-11	4-6-8	4-6-8	2-0-0	7-8-0

Plate Offsets (X,Y)— [2:0-0-0,0-0-13], [9:0-6-0,0-2-4], [10:0-0-13,0-0-7], [10:0-5-10,0-0-15]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.89	Vert(LL)	-0.23	16-18	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.76	Vert(TL)	-0.50	16-18	>847	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.94	Horz(TL)	0.10	10	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-MS							Weight: 216 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied or 6-7-2 oc bracing.
WEBS 1 Row at midpt 5-16, 7-16

REACTIONS. (lb/size) 2=1386/0-3-8, 10=1386/0-3-8
Max Horz 2=-367(LC 8)
Max Uplift 2=-539(LC 10), 10=-564(LC 11)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2170/786, 3-5=-2081/763, 5-6=-1587/652, 6-7=-1593/640, 7-8=-1920/733, 8-9=-2043/808, 9-10=-2072/776
BOT CHORD 2-18=-787/1993, 16-18=-542/1642, 14-16=-378/1533, 13-14=-534/1948, 12-13=-484/1701, 10-12=-483/1696
WEBS 3-18=-322/298, 5-18=-149/473, 5-16=-650/435, 6-16=-489/1325, 7-16=-796/483, 7-14=-219/551, 8-14=-654/358, 8-13=-567/247, 9-13=-229/656

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Interior(1) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) The solid section of the plate is required to be placed over the splice line at joint(s) 17.
5) Plate(s) at joint(s) 17 checked for a plus or minus 5 degree rotation about its center.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=539, 10=564.

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MiTek
6904 Parke East Blvd.
Tampa, FL 36610

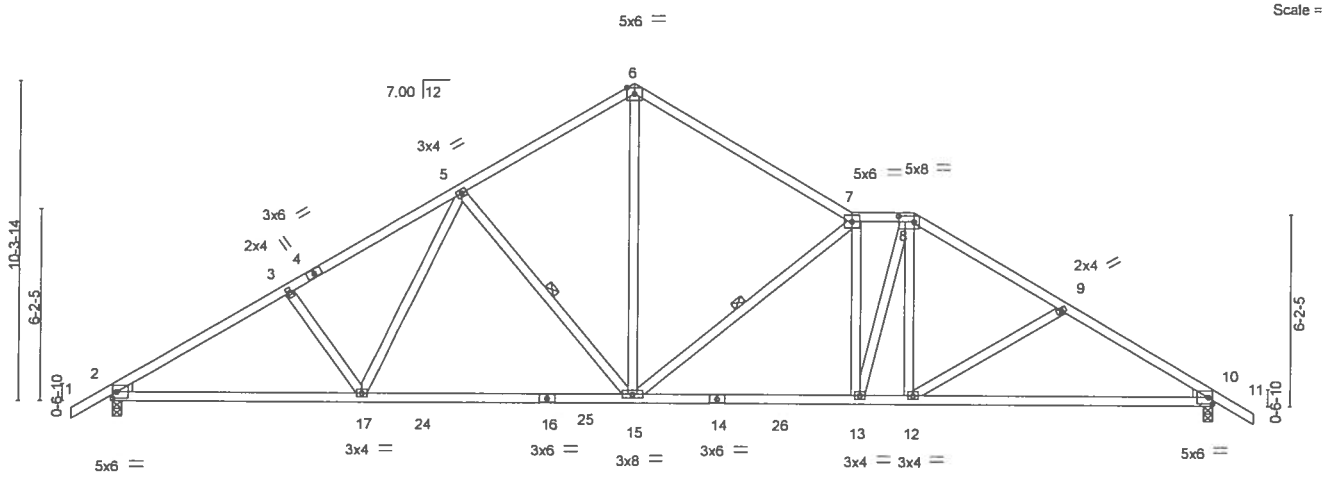
Job	Truss	Truss Type	Qty	Ply	
1291636	UA10	Roof Special	1	1	T12775988
					Job Reference (optional)

Builder's First Source, Groveland, FL 34736

8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:51:49 2017 Page 1
ID:VNMAlzNKsT1H2RaOLUlfsoy7pnX-qyhlfxxRvAJK98oAJ9E4Y2Cq6h9G4?8t3G0KQfy7RNe

1-4-0	5-8-1	11-2-9	16-9-0	23-10-0	25-10-0	30-7-3	35-6-0	36-10-0
1-4-0	5-8-1	5-6-7	5-6-7	7-1-0	2-0-0	4-9-3	4-10-13	1-4-0

Scale = 1:71.7



8-0-6	16-9-0	23-10-0	25-10-0	35-6-0
8-0-6	8-8-10	7-1-0	2-0-0	9-8-0

Plate Offsets (X,Y)— [2:0-5-10,0-0-15], [2:0-0-13,0-0-7], [8:0-6-0,0-2-4], [10:0-0-13,0-0-7], [10:0-5-10,0-0-15]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.91	Vert(LL)	-0.27	15-17	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.81	Vert(TL)	-0.55	15-17	>780	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.77	Horz(TL)	0.11	10	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-MS							Weight: 211 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied or 6-7-10 oc bracing.
WEBS 1 Row at midpt 5-15, 7-15

REACTIONS. (lb/size) 2=1386/0-3-8, 10=1386/0-3-8
Max Horz 2=367(LC 9)
Max Uplift 2=-540(LC 10), 10=-563(LC 11)
Max Grav 2=1400(LC 17), 10=1386(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2169/781, 3-5=-2107/781, 5-6=-1585/648, 6-7=-1564/617, 7-8=-1889/768, 8-9=-1938/739, 9-10=-2136/857
BOT CHORD 2-17=-780/2041, 15-17=-541/1685, 13-15=-444/1760, 12-13=-360/1583, 10-12=-606/1797
WEBS 3-17=-321/291, 5-17=-170/486, 5-15=-625/434, 6-15=-400/1206, 7-15=-854/511, 7-13=-501/270, 8-13=-273/610, 8-12=-59/357, 9-12=-349/289

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Interior(1) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) The solid section of the plate is required to be placed over the splice line at joint(s) 16.
5) Plate(s) at joint(s) 16 checked for a plus or minus 5 degree rotation about its center.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=540, 10=563.

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MiTek
6904 Parke East Blvd.
Tampa, FL 36610

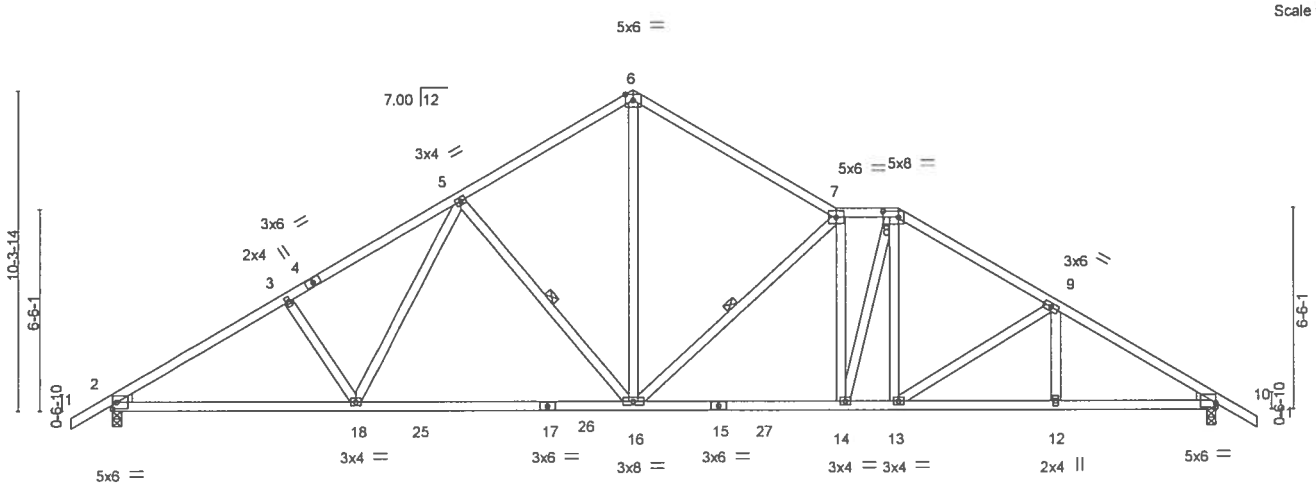
Job	Truss	Truss Type	Qty	Ply	
1291636	UA11	Roof Special	1	1	T12775989
					Job Reference (optional)

Builder's First Source, Groveland, FL 34736

8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:51:50 2017 Page 1
ID:VNMAlzNKsT1H2RaOLUlfsoy7pnX-I9FhtHy3gURBmlNMstlJ4Fl2h5T1pS51Hwlty6y7RNd

1-4-0	5-8-1	11-2-9	16-9-0	23-3-8	25-3-8	30-3-15	35-6-0	36-10-0
1-4-0	5-8-1	5-6-7	5-6-7	6-6-8	2-0-0	5-0-7	5-2-1	1-4-0

Scale = 1:71.7



7-10-4	16-9-0	23-3-8	25-3-8	30-3-15	35-6-0
7-10-4	8-10-12	6-6-8	2-0-0	5-0-7	5-2-1

Plate Offsets (X,Y)— [2:0-5-10,0-0-15], [2:0-0-13,0-0-7], [8:0-6-0,0-2-4], [10:0-0-0,0-1-13]

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	0.73	Vert(LL)	-0.28	16-18	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.84	Vert(TL)	-0.59	16-18	>723	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.79	Horz(TL)	0.12	10	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-MS							Weight: 216 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-3-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-7-10 oc bracing.
WEBS 1 Row at midpt 5-16, 7-16

REACTIONS. (lb/size) 2=1386/0-3-8, 10=1386/0-3-8
Max Horz 2=367(LC 9)
Max Uplift 2=-540(LC 10), 10=-563(LC 11)
Max Grav 2=1404(LC 17), 10=1386(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2170/779, 3-5=-2121/790, 5-6=-1584/649, 6-7=-1565/621, 7-8=-1839/751, 8-9=-1901/747, 9-10=-2159/816
BOT CHORD 2-18=-779/2050, 16-18=-542/1689, 14-16=-427/1706, 13-14=-359/1552, 12-13=-575/1804, 10-12=-575/1804
WEBS 3-18=-317/291, 5-18=-177/497, 5-16=-628/436, 6-16=-409/1223, 7-16=-820/494, 7-14=-450/256, 8-14=-217/581, 8-13=-127/314, 9-13=-414/271

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Interior(1) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) The solid section of the plate is required to be placed over the splice line at joint(s) 17.
5) Plate(s) at joint(s) 17 checked for a plus or minus 5 degree rotation about its center.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=540, 10=563.

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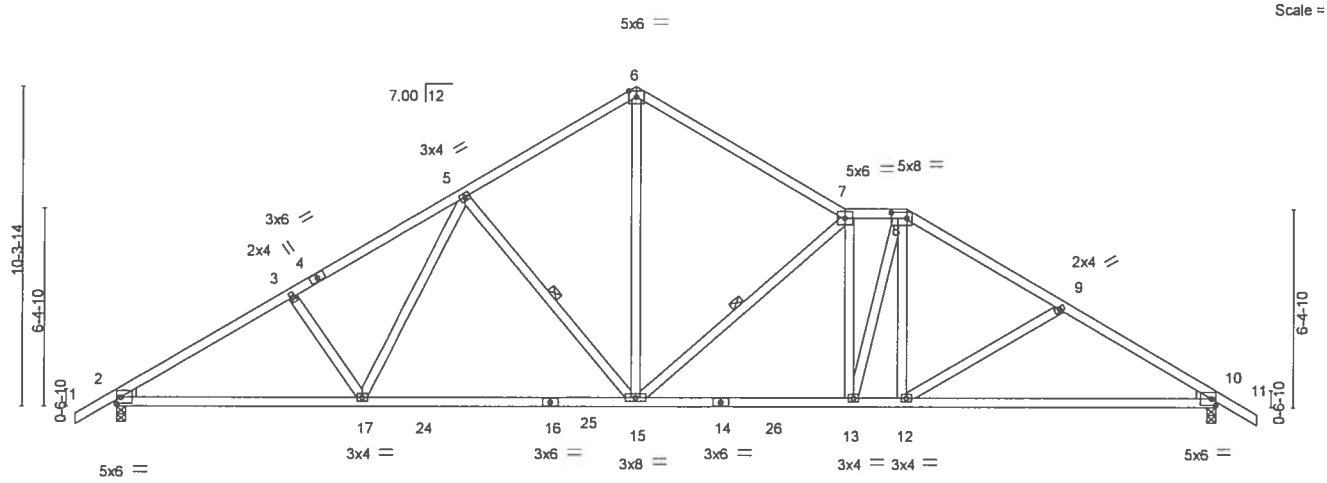
MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	T12775990
1291636	UA12	Roof Special	1	1	Job Reference (optional)

Builder's First Source, Groveland, FL 34736 — 8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:51:52 2017 Page 1
ID:VNMAlzNKsT1H2RaOLUlfsoy7pnX-EXNRHz_JC5hv0bXI_Hon9gqN8u9VHMjKIEE_1_y7RNb

1-4-0	5-8-1	11-2-9	16-9-0	23-6-0	25-6-0	30-5-3	35-6-0	36-10-0
1-4-0	5-8-1	5-6-7	5-6-7	6-9-0	2-0-0	4-11-3	5-0-13	1-4-0

Scale = 1:71.7



7-11-1	16-9-0	23-6-0	25-6-0	35-6-0
7-11-1	8-9-15	6-9-0	2-0-0	10-0-0

Plate Offsets (X,Y)— [2:0-5-10,0-0-15], [2:0-0-13,0-0-7], [8:0-6-0,0-2-4], [10:0-0-13,0-0-7], [10:0-5-10,0-0-15]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.80	Vert(LL)	-0.27	15-17	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.84	Vert(TL)	-0.57	15-17	>752	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.78	Horz(TL)	0.11	10	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-MS							Weight: 212 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-7-10 oc bracing.
WEBS 1 Row at midpt 5-15, 7-15

REACTIONS. (lb/size) 2=1386/0-3-8, 10=1386/0-3-8
Max Horz 2=367(LC 9)
Max Uplift 2=-540(LC 10), 10=-563(LC 11)
Max Grav 2=1402(LC 17), 10=1386(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2169/780, 3-5=-2115/786, 5-6=-1584/648, 6-7=-1564/619, 7-8=-1856/758, 8-9=-1924/732, 9-10=-2131/857
BOT CHORD 2-17=-779/2046, 15-17=-542/1687, 13-15=-434/1724, 12-13=-350/1568, 10-12=-604/1792
WEBS 3-17=-318/291, 5-17=-174/493, 5-15=-627/435, 6-15=-405/1216, 7-15=-831/501, 7-13=-470/258, 8-13=-269/570, 8-12=-58/396, 9-12=-367/302

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Interior(1) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) The solid section of the plate is required to be placed over the splice line at joint(s) 16.
5) Plate(s) at joint(s) 16 checked for a plus or minus 5 degree rotation about its center.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=540, 10=563.

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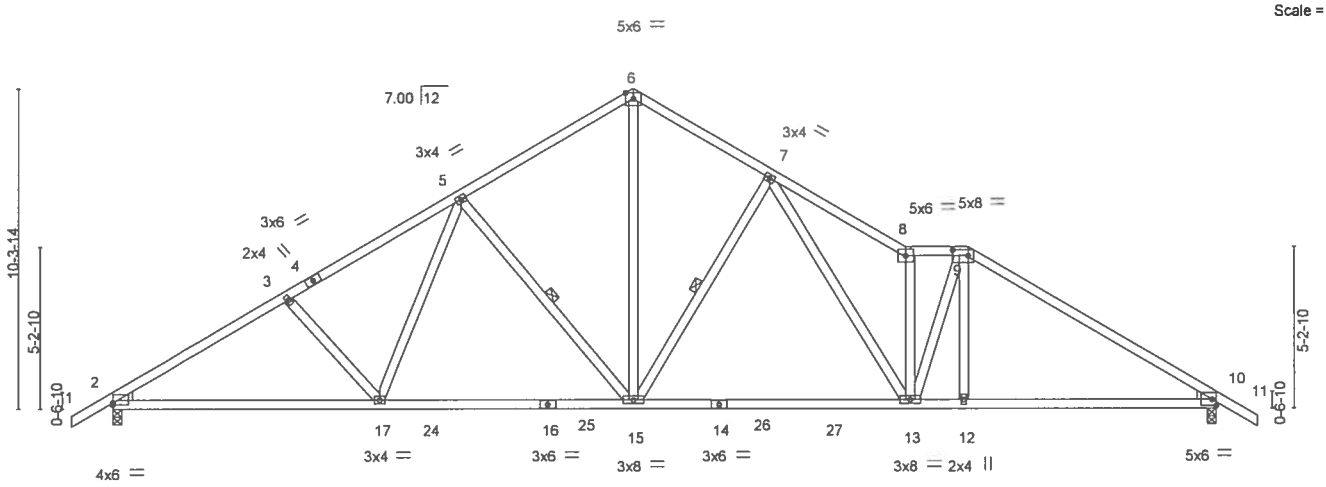
Job	Truss	Truss Type	Qty	Ply	
1291636	UA13	Roof Special	1	1	T12775991
					Job Reference (optional)

Builder's First Source, Groveland, FL 34736 — 8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:51:53 2017 Page 1
ID:VNMAlzNKsT1H2RaOLUlfsoy7pnX-ikxpVJ_yyPpmdl6xY?J0iuNZllVG0nJT_u_XZRy7RNa

1-4-0	5-8-1	11-2-9	16-9-0	21-1-8	25-6-0	27-6-0	35-6-0	36-10-0
1-4-0	5-8-1	5-6-7	5-6-7	4-4-8	4-4-8	2-0-0	8-0-0	1-4-0

Scale = 1:71.7



8-7-1	16-9-0	25-6-0	27-6-0	35-6-0
8-7-1	8-1-15	8-9-0	2-0-0	8-0-0

Plate Offsets (X,Y)— [2:0-0-0,0-0-13], [9:0-6-0,0-2-4], [10:0-0-13,0-0-7], [10:0-5-10,0-0-15]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.74	Vert(LL)	-0.24	13-15	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.87	Vert(TL)	-0.57	13-15	>754	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.95	Horz(TL)	0.10	10	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-MS							Weight: 210 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-7-2 oc bracing.
WEBS 1 Row at midpt 5-15, 7-15

REACTIONS. (lb/size) 2=1386/0-3-8, 10=1386/0-3-8
Max Horz 2=-367(LC 8)
Max Uplift 2=-539(LC 10), 10=-564(LC 11)
Max Grav 2=1418(LC 17), 10=1386(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2179/789, 3-5=-2066/758, 5-6=-1591/650, 6-7=-1599/639, 7-8=-2436/1003, 8-9=-2022/787, 9-10=-2061/771
BOT CHORD 2-17=-789/2063, 15-17=-541/1724, 13-15=-380/1568, 12-13=-474/1688, 10-12=-473/1685
WEBS 3-17=-325/298, 5-17=-148/441, 5-15=-646/437, 6-15=-493/1336, 7-15=-756/499, 7-13=-443/918, 8-13=-1256/554, 9-13=-186/809

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Interior(1) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=539, 10=564.

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MiTek
6904 Parke East Blvd.
Tampa, FL 36610

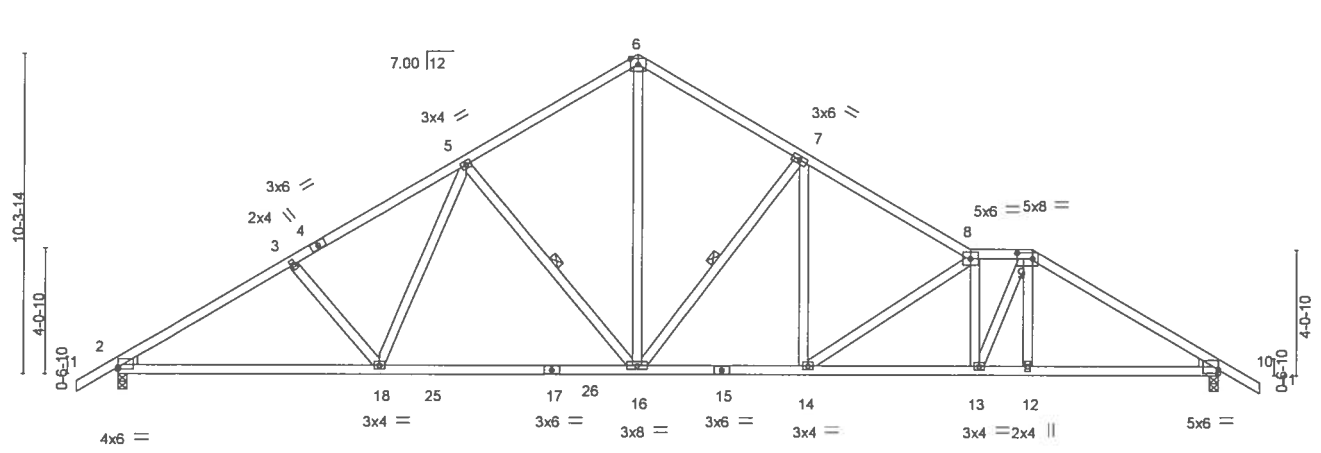
Job	Truss	Truss Type	Qty	Ply	
1291636	UA14	Roof Special	1	1	T12775992
					Job Reference (optional)

Builder's First Source, Groveland, FL 34736

8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:51:54 2017 Page 1
ID:VNMAlzNKsT1H2RaOLUlfsoy7pnX-BwVBie?ajixdFvh75iqFF5wnoitGlENcCYj56ty7RNZ

1-4-0	5-8-1	11-2-9	16-9-0	22-1-8	27-6-0	29-6-0	35-6-0	36-10-0
1-4-0	5-8-1	5-6-7	5-6-7	5-4-8	5-4-8	2-0-0	6-0-0	1-4-0

Scale = 1:71.7



8-5-5	16-9-0	22-1-8	27-6-0	29-6-0	35-6-0
8-5-5	8-3-11	5-4-8	5-4-8	2-0-0	6-0-0

Plate Offsets (X,Y)— [2:0-0-0,0-0-13], [9:0-6-0,0-2-4], [10:Edge,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	0.53	Vert(LL)	-0.24	16-18	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.76	Vert(TL)	-0.52	16-18	>817	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.90	Horz(TL)	0.12	10	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-MS							Weight: 211 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-4-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-7-3 oc bracing.
WEBS 1 Row at midpt 5-16, 7-16

REACTIONS. (lb/size) 2=1386/0-3-8, 10=1387/0-3-8
Max Horz 2=-367(LC 8)
Max Uplift 2=-539(LC 10), 10=-564(LC 11)
Max Grav 2=1403(LC 17), 10=1387(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2173/786, 3-5=-2084/763, 5-6=-1591/651, 6-7=-1593/636, 7-8=-2005/750, 8-9=-2234/870, 9-10=-2116/788
BOT CHORD 2-18=-787/2046, 16-18=-541/1697, 14-16=-403/1626, 13-14=-653/2170, 12-13=-523/1741, 10-12=-524/1740
WEBS 3-18=-323/298, 5-18=-150/468, 5-16=-647/435, 6-16=-466/1307, 7-16=-835/498, 7-14=-168/517, 8-14=-728/383, 8-13=-725/293, 9-13=-290/906

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Interior(1) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) The solid section of the plate is required to be placed over the splice line at joint(s) 17.
5) Plate(s) at joint(s) 17 checked for a plus or minus 5 degree rotation about its center.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=539, 10=564.

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
1291636	UA15	Roof Special	1	1	T12775993
					Job Reference (optional)

Builder's First Source, Groveland, FL 34736

8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:51:55 2017 Page 1
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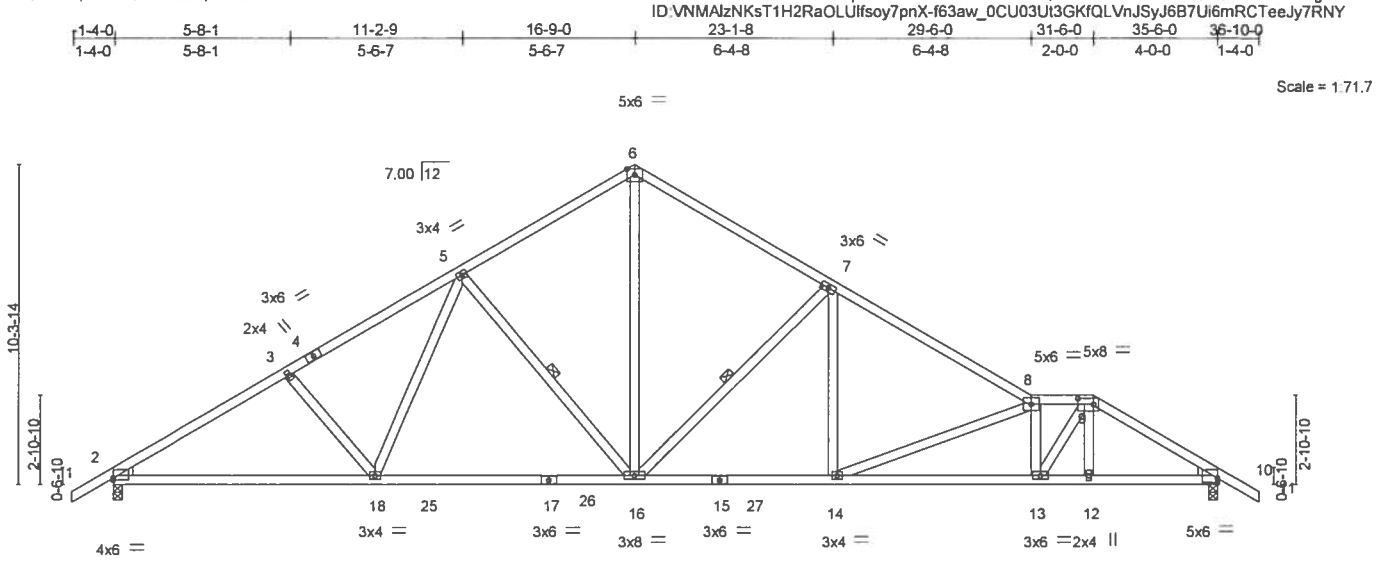

Plate Offsets (X,Y)-- [2:0-0-0,0-0-13], [9:0-6-0,0-2-4], [10:Edge,0-1-13]

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	0.55	Vert(LL)	-0.25	16-18	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.84	Vert(TL)	-0.53	16-18	>801	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.87	Horz(TL)	0.13	10	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-MS							Weight: 206 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-4-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-5-6 oc bracing.
WEBS 1 Row at midpt 5-16, 7-16

REACTIONS. (lb/size) 2=1386/0-3-8, 10=1387/0-3-8
Max Horz 2=-367(LC 8)
Max Uplift 2=-539(LC 10), 10=-564(LC 11)
Max Grav 2=1399(LC 17), 10=1387(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2179/787, 3-5=-2090/763, 5-6=-1598/651, 6-7=-1596/630, 7-8=-2120/778, 8-9=-2576/985, 9-10=-2115/801
BOT CHORD 2-18=-787/2039, 16-18=-541/1690, 14-16=-436/1724, 13-14=-844/2554, 12-13=-566/1756, 10-12=-568/1758
WEBS 3-18=-324/298, 5-18=-151/468, 5-16=-643/434, 6-16=-439/1285, 7-16=-903/528, 7-14=-113/503, 8-14=-945/468, 8-13=-918/406, 9-13=-438/1283

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Interior(1) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) The solid section of the plate is required to be placed over the splice line at joint(s) 17.
5) Plate(s) at joint(s) 17 checked for a plus or minus 5 degree rotation about its center.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=539, 10=564.

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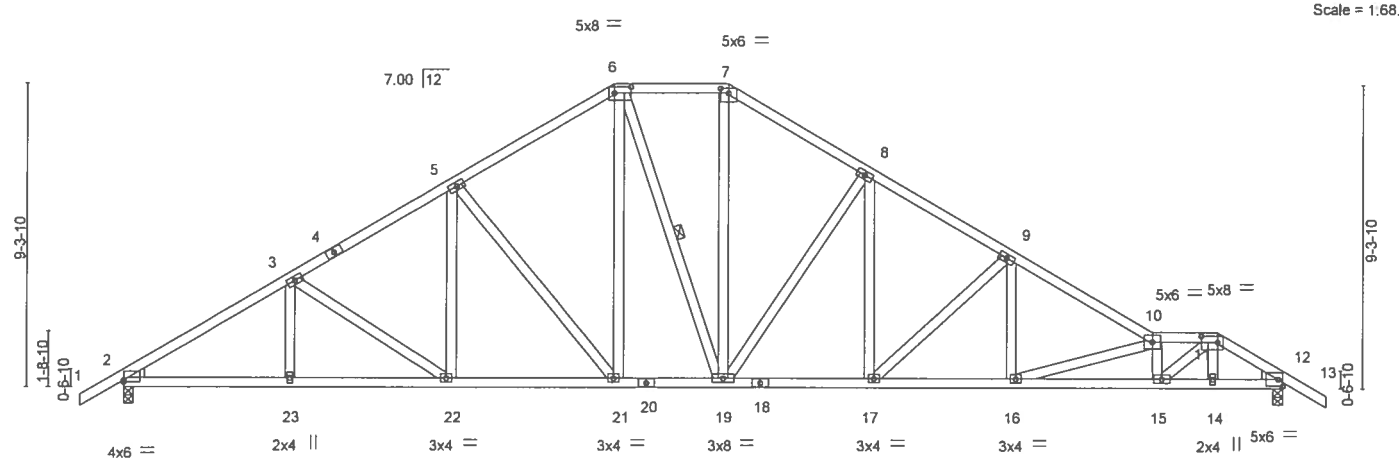
Job	Truss	Truss Type	Qty	Ply	
1291636	UA16	Roof Special Girder	1	1	T12775994
					Job Reference (optional)

Builder's First Source, Groveland, FL 34736

8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:51:56 2017 Page 1
ID:VNMAlzNKsT1H2RaOLUlfsoy7pnX-7Icy7K1qFKBLUDrWD7skKW?7yWWhDA_vgsCCAly7RNX

1-4-0	5-1-1	10-0-9	15-0-0	18-6-0	22-10-0	27-2-0	31-6-0	33-6-0	35-6-0	36-10-0
1-4-0	5-1-1	4-11-7	4-11-7	3-6-0	4-4-0	4-4-0	4-4-0	2-0-0	2-0-0	1-4-0

Scale = 1:68.1



5-1-1	10-0-9	15-0-0	18-6-0	22-10-0	27-2-0	31-6-0	33-6-0	35-6-0
5-1-1	4-11-7	4-11-7	3-6-0	4-4-0	4-4-0	4-4-0	2-0-0	2-0-0

Plate Offsets (X,Y)-- [2:0-0-0,0-0-13], [6:0-6-0,0-2-4], [7:0-3-0,0-1-12], [11:0-6-0,0-2-4], [12:0-0-13,0-0-7], [12:0-5-10,0-0-15]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.55	Vert(LL)	0.17	17	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.89	Vert(TL)	-0.35	17-19	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.83	Horz(TL)	0.12	12	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-MS							Weight: 238 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-3-3 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-7-9 oc bracing.
WEBS 1 Row at midpt 6-19

REACTIONS. (lb/size) 2=1386/0-3-8, 12=1382/0-3-8
Max Horz 2=-332(LC 32)
Max Uplift 2=-524(LC 8), 12=-549(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2152/739, 3-5=-1885/683, 5-6=-1537/604, 6-7=-1295/605, 7-8=-1556/636, 8-9=-1989/756, 9-10=-2520/914, 10-11=-3087/1155, 11-12=-2009/754
BOT CHORD 2-23=-732/1788, 22-23=-732/1788, 21-22=-533/1577, 19-21=-294/1267, 17-19=-372/1666, 16-17=-623/2151, 15-16=-1099/3195, 14-15=-544/1654, 12-14=-548/1663
WEBS 3-22=-315/238, 5-22=-81/323, 5-21=-569/379, 6-21=-246/510, 7-19=-225/554, 8-19=-707/439, 8-17=-209/522, 9-17=-655/382, 9-16=-120/453, 10-16=-1099/501, 10-15=-1066/453, 11-15=-649/1811

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical 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 3x6 MT20 unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=524, 12=549.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 117 lb down and 86 lb up at 33-6-0 on top chord, and 48 lb down and 30 lb up at 33-6-0 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).

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

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Continued on page 2

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Tampa, FL 36610

LOAD CASE(S) Standard

Uniform Loads (plf)

Vert: 1-6=-54, 6-7=-54, 7-10=-54, 10-11=-54, 11-13=-54, 24-27=-20

Concentrated Loads (lb)

Vert: 14=4(B)

Job	Truss	Truss Type	Qty	Ply	
1291636	UA17	Hip	1	1	T12775995
					Job Reference (optional)

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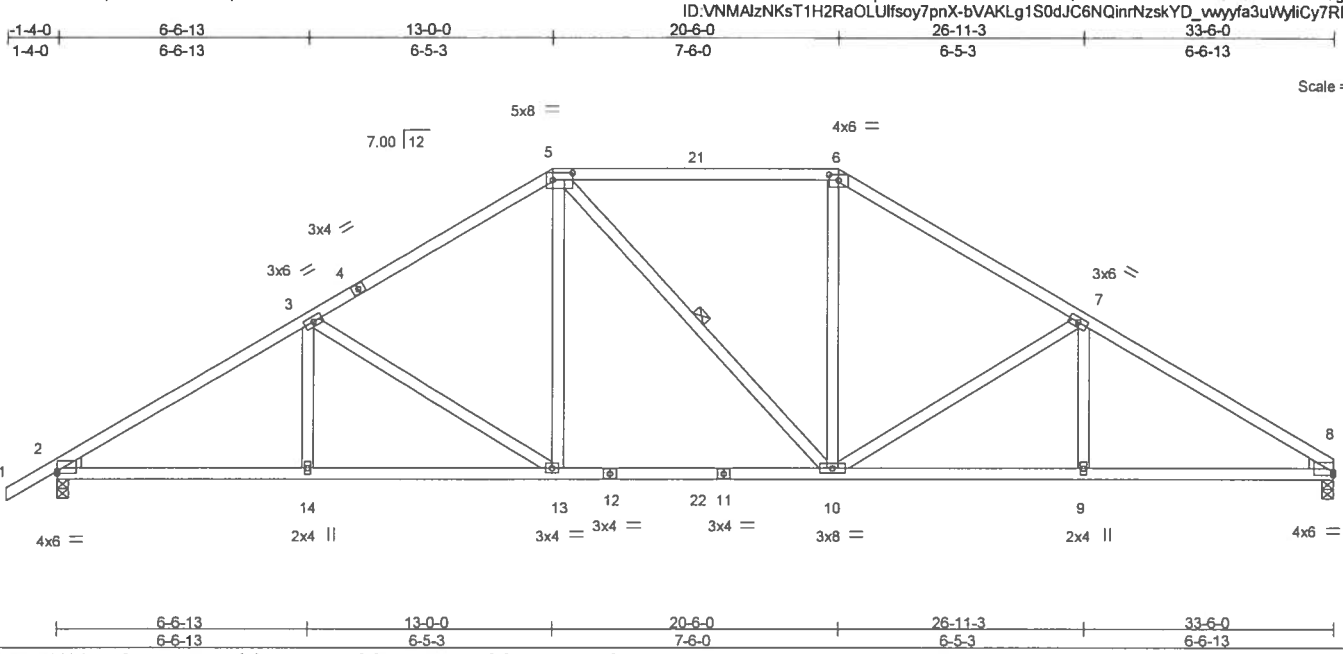

Plate Offsets (X,Y)— [2:0-0-0,0-0-13], [5:0-6-0,0-2-4], [6:0-3-0,0-1-12], [8:0-0-0,0-1-1]

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	0.86	Vert(LL)	-0.14	10-13	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.63	Vert(TL)	-0.32	10-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.68	Horz(TL)	0.10	8	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-MS							Weight: 181 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-0-1 oc bracing.
WEBS 1 Row at midpt 5-10

REACTIONS. (lb/size) 8=1240/0-3-8, 2=1314/0-3-8
Max Horz 2=282(LC 7)
Max Uplift 8=-482(LC 11), 2=-534(LC 10)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2006/748, 3-5=-1572/633, 5-6=-1332/630, 6-7=-1574/635, 7-8=-2012/756
BOT CHORD 2-14=-710/1652, 13-14=-710/1652, 10-13=-395/1286, 9-10=-540/1659, 8-9=-540/1659
WEBS 3-13=-600/373, 5-13=-127/516, 6-10=-111/457, 7-10=-595/381

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Interior(1) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=482, 2=534.

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MiTek
6904 Parke East Blvd.
Tampa, FL 36610

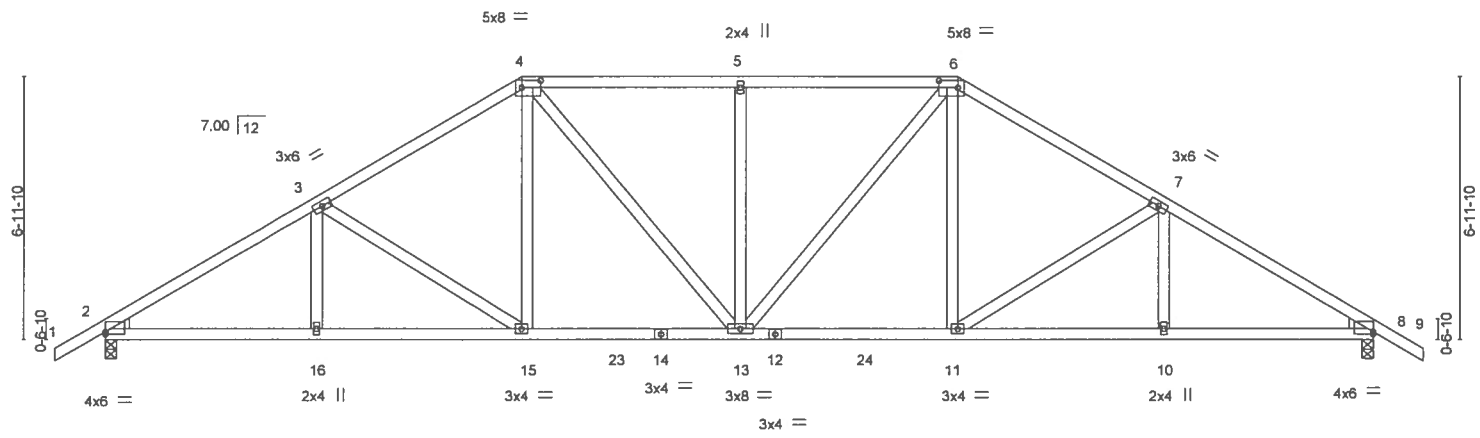
Job	Truss	Truss Type	Qty	Ply	
1291636	UA18	Hip	1	1	T12775996
					Job Reference (optional)

Builder's First Source, Groveland, FL 34736

8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:51:59 2017 Page 1
ID:VNMAlzNKsT1H2RaOLUlfsoy7pnX-Xtl4lM3iYFZvLgZ5uFQRy9dfjjbnQcQLMqRsn4y7RNU

-1-4-0	5-6-13	11-0-0	16-9-0	22-6-0	27-11-3	33-6-0	34-10-0
1-4-0	5-6-13	5-5-3	5-9-0	5-9-0	5-5-3	5-6-13	1-4-0

Scale = 1:58.9



5-6-13	11-0-0	16-9-0	22-6-0	27-11-3	33-6-0
5-6-13	5-5-3	5-9-0	5-9-0	5-5-3	5-6-13

Plate Offsets (X,Y)— [2:0-0-0,0-0-13], [4:0-6-0,0-2-4], [6:0-6-0,0-2-4], [8:Edge,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	0.46	Vert(LL)	-0.11	13	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.67	Vert(TL)	-0.25	13-15	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.40	Horz(TL)	0.11	8	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-MS							Weight: 193 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-8-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-0-12 oc bracing.

REACTIONS. (lb/size) 2=1313/0-3-8, 8=1313/0-3-8
Max Horz 2=-251(LC 8)
Max Uplift 2=-539(LC 10), 8=-539(LC 11)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2022/769, 3-4=-1682/686, 4-5=-1584/707, 5-6=-1584/707, 6-7=-1682/686, 7-8=-2022/770
BOT CHORD 2-16=-698/1673, 15-16=-698/1673, 13-15=-446/1392, 11-13=-303/1392, 10-11=-530/1673, 8-10=-530/1673
WEBS 3-15=-484/300, 4-15=-107/406, 4-13=-280/397, 5-13=-351/308, 6-13=-280/397, 6-11=-107/407, 7-11=-484/301

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Interior(1) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=539, 8=539.

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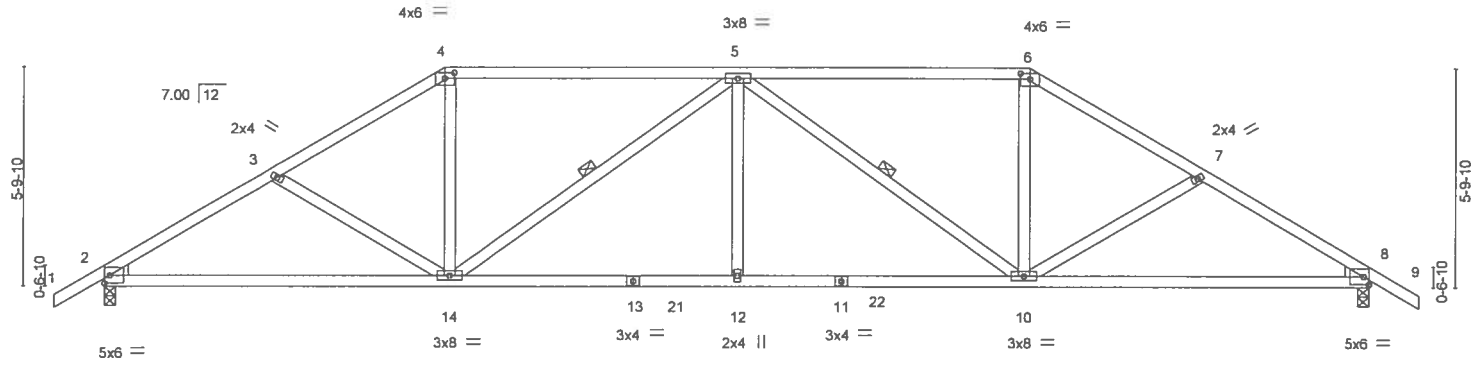
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
1291636	UA19	Hip	1	1	T12775997
					Job Reference (optional)

Builder's First Source, Groveland, FL 34736 — 8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:52:00 2017 Page 1
ID:VNMAlzNKsT1H2RaOLUlfsoy7pnX-?4sTzi4LJYhmzq8HSzxgUMAny7wr95MVbUAPJXy7RNT

-1-4-0	4-6-13	9-0-0	16-9-0	24-6-0	28-11-3	33-6-0	34-10-0
1-4-0	4-6-13	4-5-3	7-9-0	7-9-0	4-5-3	4-6-13	1-4-0

Scale = 1:58.9



9-0-0	16-9-0	24-6-0	33-6-0
9-0-0	7-9-0	7-9-0	9-0-0

Plate Offsets (X,Y)— [2:0-5-10,0-0-15], [2:0-0-13,0-0-7], [4:0-3-0,0-1-12], [6:0-3-0,0-1-12], [8:0-0-13,0-0-7], [8:0-5-10,0-0-15]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.68	Vert(LL)	0.14	12-14	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.74	Vert(TL)	-0.32	12-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.29	Horz(TL)	0.11	8	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-MS							Weight: 176 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-7-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-10-12 oc bracing.
WEBS 1 Row at midpt 5-14, 5-10

REACTIONS. (lb/size) 2=1312/0-3-8, 8=1311/0-3-8
Max Horz 2=-210(LC 8)
Max Uplift 2=-544(LC 10), 8=-544(LC 11)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1992/817, 3-4=-1799/720, 4-5=-1519/692, 5-6=-1519/692, 6-7=-1799/720, 7-8=-1992/817
BOT CHORD 2-14=-716/1664, 12-14=-706/1953, 10-12=-706/1953, 8-10=-575/1664
WEBS 3-14=-321/241, 4-14=-153/579, 5-14=-632/395, 5-12=0/319, 5-10=-632/395, 6-10=-153/579, 7-10=-321/242

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Interior(1) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=544, 8=544.

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Tampa, FL 36610

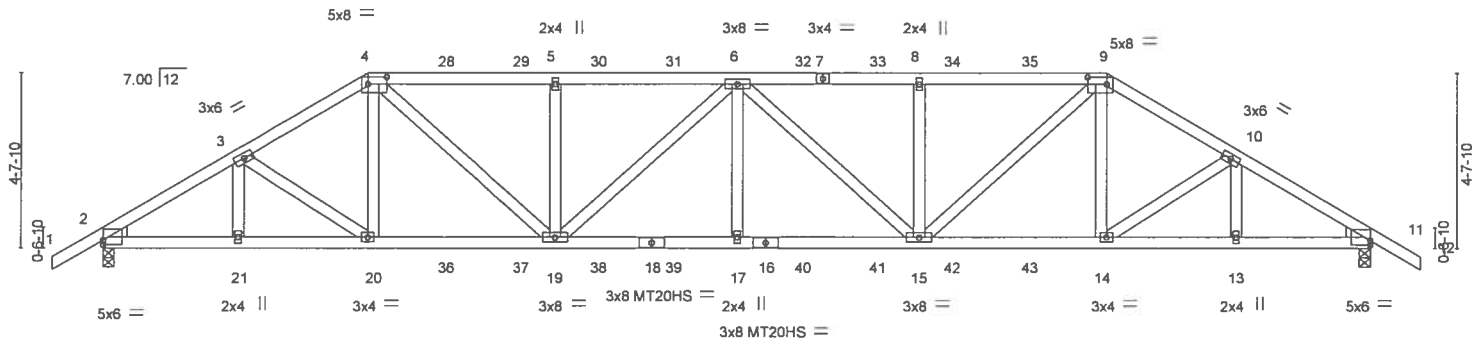
Job	Truss	Truss Type	Qty	Ply	T12775998
1291636	UA20	Hip Girder	1	2	Job Reference (optional)

Builder's First Source, Groveland, FL 34736

8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:52:05 2017 Page 1
ID:VNMAlzNKsT1H2RaOLUlfsoy7pnX-M1fM0P8T85K34b1FFWXrBQtfO8arqLYEkluA_ky7RNO

-1-4-0	3-6-13	7-0-0	11-11-6	16-9-0	21-6-10	26-6-0	29-11-3	33-6-0	34-10-0
1-4-0	3-6-13	3-5-3	4-11-6	4-9-10	4-9-10	4-11-6	3-5-3	3-6-13	1-4-0

Scale = 1:58.9



3-6-13	7-0-0	11-11-6	16-9-0	21-6-10	26-6-0	29-11-3	33-6-0
3-6-13	3-5-3	4-11-6	4-9-10	4-9-10	4-11-6	3-5-3	3-6-13

Plate Offsets (X,Y)— [2:0-0-0,0-1-9], [4:0-6-0,0-2-4], [9:0-6-0,0-2-4], [11:0-0-0,0-1-9]

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	0.57	Vert(LL)	0.30	17	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.95	Vert(TL)	-0.43	17-19	>942	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.36	Horz(TL)	0.14	11	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-MS							Weight: 387 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-1-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-10-9 oc bracing.

REACTIONS. (lb/size) 2=2627/0-3-8, 11=2627/0-3-8
Max Horz 2=170(LC 7)
Max Uplift 2=-1616(LC 8), 11=-1616(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-4279/2640, 3-4=-4345/2775, 4-5=-5137/3298, 5-6=-5137/3298, 6-8=-5137/3299, 8-9=-5137/3299, 9-10=-4345/2775, 10-11=-4279/2641
BOT CHORD 2-21=-2256/3591, 20-21=-2256/3591, 19-20=-2373/3753, 17-19=-3502/5588, 15-17=-3502/5588, 14-15=-2253/3753, 13-14=-2142/3591, 11-13=-2142/3591
WEBS 3-20=-437/444, 4-20=-192/554, 4-19=-1240/1876, 5-19=-570/565, 6-19=-643/439, 6-17=0/425, 6-15=-643/438, 8-15=-570/565, 9-15=-1240/1876, 9-14=-192/554, 10-14=-439/445

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical 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.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=1616, 11=1616.

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Continued on page 2

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	T12775998
1291636	UA20	Hip Girder	1	2	Job Reference (optional)

Builder's First Source, Groveland, FL 34736 8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:52:05 2017 Page 2
ID:VNMAlzNKsT1H2RaOLUlfsoy7pnX-M1fM0P8T85K34b1FFWXrBQtfO8arqLYEkluA_ky7RNO

NOTES-

10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 241 lb down and 316 lb up at 7-0-0, 176 lb down and 169 lb up at 9-0-12, 176 lb down and 169 lb up at 11-0-12, 176 lb down and 169 lb up at 13-0-12, 176 lb down and 169 lb up at 15-0-12, 176 lb down and 157 lb up at 16-9-0, 176 lb down and 169 lb up at 18-5-4, 176 lb down and 169 lb up at 20-5-4, 176 lb down and 169 lb up at 22-5-4, and 176 lb down and 169 lb up at 24-5-4, and 241 lb down and 316 lb up at 26-6-0 on top chord, and 353 lb down and 237 lb up at 7-0-0, 88 lb down and 21 lb up at 9-0-12, 88 lb down and 21 lb up at 11-0-12, 88 lb down and 21 lb up at 13-0-12, 88 lb down and 21 lb up at 15-0-12, 88 lb down and 21 lb up at 16-9-0, 88 lb down and 21 lb up at 18-5-4, 88 lb down and 21 lb up at 20-5-4, 88 lb down and 21 lb up at 22-5-4, and 88 lb down and 21 lb up at 24-5-4, and 353 lb down and 237 lb up at 26-5-4 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: 1-4=-54, 4-9=-54, 9-12=-54, 22-25=-20
   Concentrated Loads (lb)
   Vert: 4=-175(B) 9=-175(B) 20=-348(B) 17=-63(B) 6=-112(B) 14=-348(B) 28=-112(B) 29=-112(B) 30=-112(B) 31=-112(B) 32=-112(B) 33=-112(B) 34=-112(B) 35=-112(B) 36=-63(B) 37=-63(B) 38=-63(B) 39=-63(B) 40=-63(B) 41=-63(B) 42=-63(B) 43=-63(B)

Job	Truss	Truss Type	Qty	Ply	
1291636	UB1	Common Girder	1	2	T12775999 Job Reference (optional)

Builder's First Source, Groveland, FL 34736

8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:52:14 2017 Page 1
ID:VNMAlzNKsT1H2RaOLUlfsoy7pnX-bmilvUF70sSnf_DzGvBy2JIDFmfrRKIZpfZ9pjy7RNF

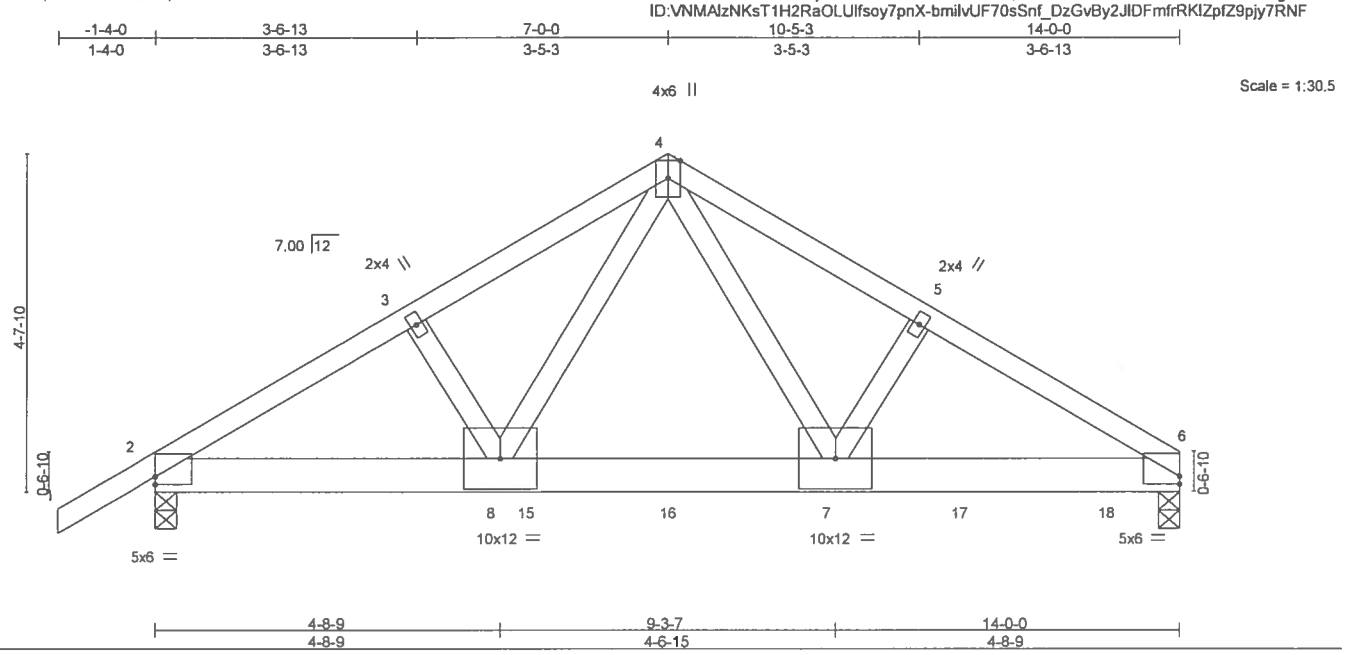

Plate Offsets (X,Y)— [2:Edge,0-1-5], [6:0-0-0,0-1-5]

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	0.50	Vert(LL)	0.13	7-8	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.95	Vert(TL)	-0.21	7-8	>798	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.74	Horz(TL)	0.03	6	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-MS							Weight: 159 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-8-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-8-1 oc bracing.

REACTIONS. (lb/size) 6=4814/0-3-8, 2=3282/0-3-8
Max Horz 2=160(LC 26)
Max Uplift 6=-2174(LC 9), 2=-1741(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-5868/3113, 3-4=-5774/3131, 4-5=-6418/3093, 5-6=-6500/3074
BOT CHORD 2-8=-2687/4970, 7-8=-1791/3671, 6-7=-2590/5593
WEBS 4-7=-1690/3905, 4-8=-1781/2764, 3-8=-241/291

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-5-0 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=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=2174, 2=1741.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 2110 lb down and 1488 lb up at 5-1-8, 1218 lb down and 513 lb up at 7-0-12, 1218 lb down and 512 lb up at 9-0-12, and 1220 lb down and 508 lb up at 11-0-12, and 1221 lb down and 502 lb up at 13-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

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

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Continued on page 2

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

LOAD CASE(S) Standard

Concentrated Loads (lb)

Vert: 7=-1218(F) 15=-2110(F) 16=-1218(F) 17=-1220(F) 18=-1221(F)

Job	Truss	Truss Type	Qty	Ply	
1291636	UB2	Common	2	1	T12776000
					Job Reference (optional)

Builder's First Source, Groveland, FL 34736

8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:52:15 2017 Page 1
ID:VNMAlzNKsT1H2RaOLUlfsoy7pnX-3yG86qFln9aeG8oAqdiBbXHO3A5kAxni1JJiL9y7RNE

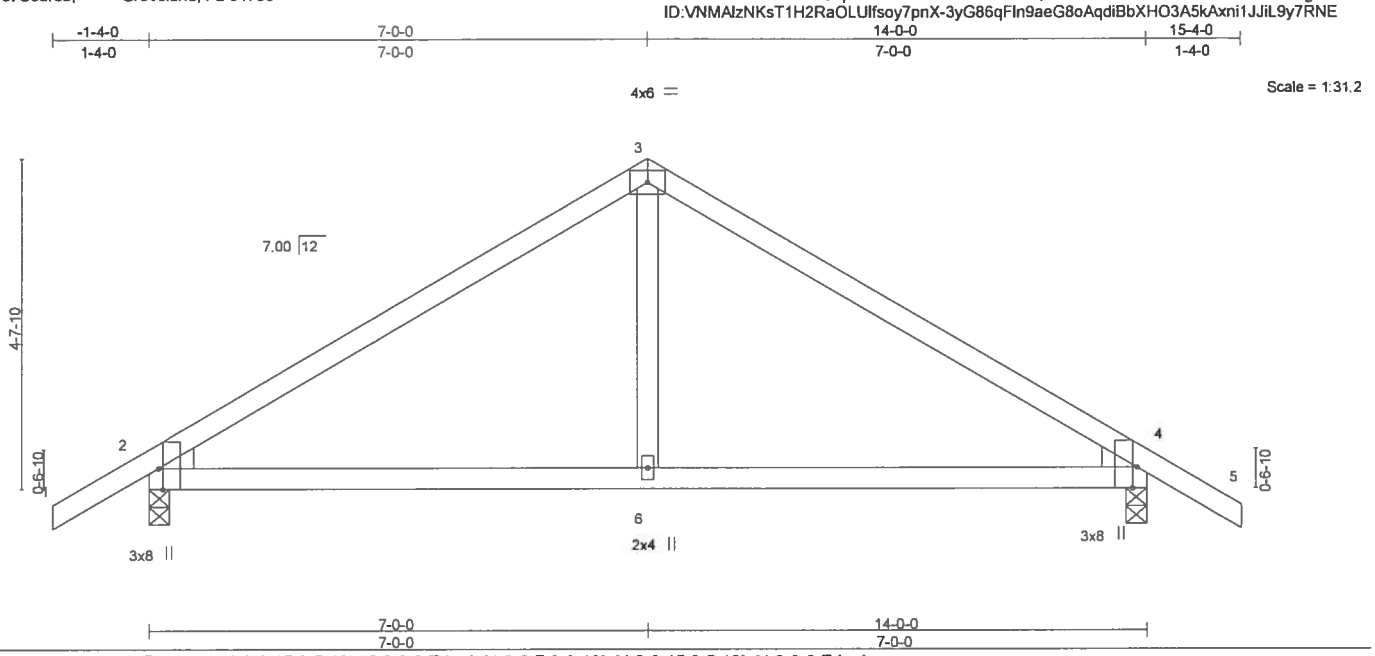

Plate Offsets (X,Y)— [2:0-0-7,0-0-13], [2:0-0-15,0-5-10], [2:0-3-8,Edge], [4:0-0-7,0-0-13], [4:0-0-15,0-5-10], [4:0-3-8,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.50	Vert(LL)	0.11	6-9	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.46	Vert(TL)	-0.15	6-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.12	Horz(TL)	0.02	2	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-MS							Weight: 57 lb	FT = 0%

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

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

REACTIONS. (lb/size) 2=590/0-3-8, 4=590/0-3-8
Max Horz 2=169(LC 9)
Max Uplift 2=-247(LC 10), 4=-247(LC 11)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-652/241, 3-4=-652/241
BOT CHORD 2-6=-111/488, 4-6=-111/488
WEBS 3-6=0/308

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Interior(1) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=247, 4=247.

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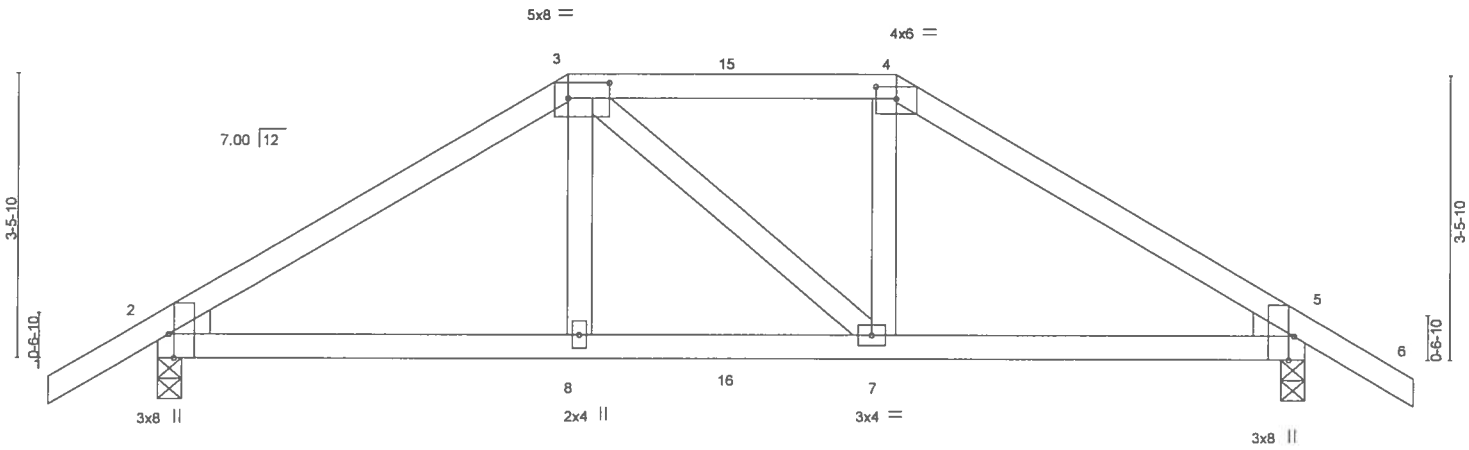
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
1291636	UB3	Hip Girder	1	1	T12776001
					Job Reference (optional)

Builder's First Source, Groveland, FL 34736 — 8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:52:16 2017 Page 1
ID:VNMAlzNKsT1H2RaOLUlfsoy7pnX-X9qWKAGNYTiVuIMMOKDQ8kqawaR5vNosGz2Ftby7RND

-1-4-0 | 5-0-0 | 9-0-0 | 14-0-0 | 15-4-0
1-4-0 | 5-0-0 | 4-0-0 | 5-0-0 | 1-4-0

Scale = 1:27.1



5-0-0 | 9-0-0 | 14-0-0
5-0-0 | 4-0-0 | 5-0-0

Plate Offsets (X,Y)— [2:0-3-8,Edge], [2:0-0-15,0-5-10], [2:0-0-7,0-0-13], [3:0-6-0,0-2-4], [4:0-3-0,0-1-12], [5:0-0-7,0-0-13], [5:0-0-15,0-5-10], [5:0-3-8,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.43	Vert(LL)	0.06	7-8	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.46	Vert(TL)	-0.08	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.13	Horz(TL)	0.03	5	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-MS							Weight: 66 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-2-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-4-1 oc bracing.

REACTIONS. (lb/size) 2=886/0-3-8, 5=886/0-3-8
Max Horz 2=-129(LC 6)
Max Uplift 2=-542(LC 8), 5=-542(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1222/771, 3-4=-1009/724, 4-5=-1223/771
BOT CHORD 2-8=-626/1005, 7-8=-629/1019, 5-7=-579/997
WEBS 3-8=-80/344, 4-7=-82/345

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=542, 5=542.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 174 lb down and 219 lb up at 5-0-0, and 139 lb down and 120 lb up at 7-0-0, and 174 lb down and 219 lb up at 9-0-0 on top chord, and 198 lb down and 131 lb up at 5-0-0, and 50 lb down and 21 lb up at 7-0-0, and 198 lb down and 131 lb up at 8-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 3-4=-54, 4-6=-54, 9-12=-20
Concentrated Loads (lb)
Vert: 3=-75(B) 4=-75(B) 8=-172(B) 7=-172(B) 15=-62(B) 16=-37(B)

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Job	Truss	Truss Type	Qty	Ply	
1291636	UCJ1	Jack-Open	14	1	T12776002
					Job Reference (optional)

Builder's First Source, Groveland, FL 34736

8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:52:17 2017 Page 1
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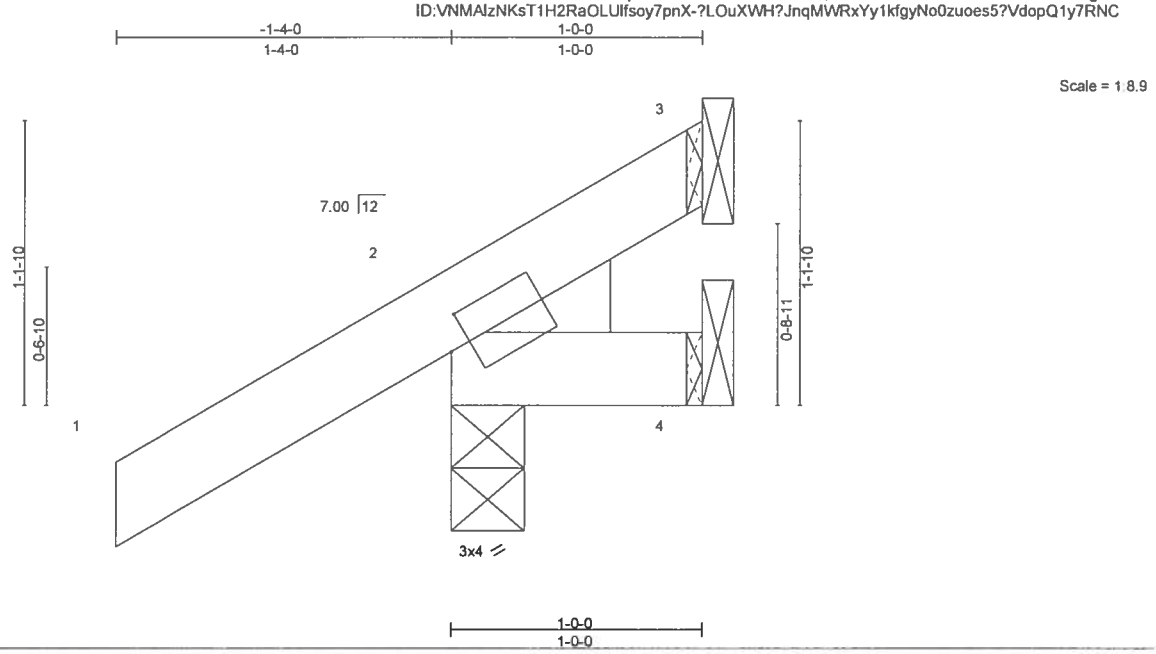

Plate Offsets (X,Y)— [2:0-1-0,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.15	Vert(LL)	0.00	7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.04	Vert(TL)	0.00	7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-MP							Weight: 6 lb	FT = 0%

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

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

REACTIONS. (lb/size) 3=-0/Mechanical, 2=157/0-3-8, 4=-12/Mechanical
Max Horz 2=67(LC 10)
Max Uplift 3=-10(LC 10), 2=-92(LC 10), 4=-12(LC 1)
Max Grav 3=10(LC 6), 2=157(LC 1), 4=20(LC 14)

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

NOTES-
1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Interior(1) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2, 4.

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Job	Truss	Truss Type	Qty	Ply	
1291636	UCJ3	Jack-Open	10	1	T12776003
					Job Reference (optional)

Builder's First Source, Groveland, FL 34736

8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:52:17 2017 Page 1
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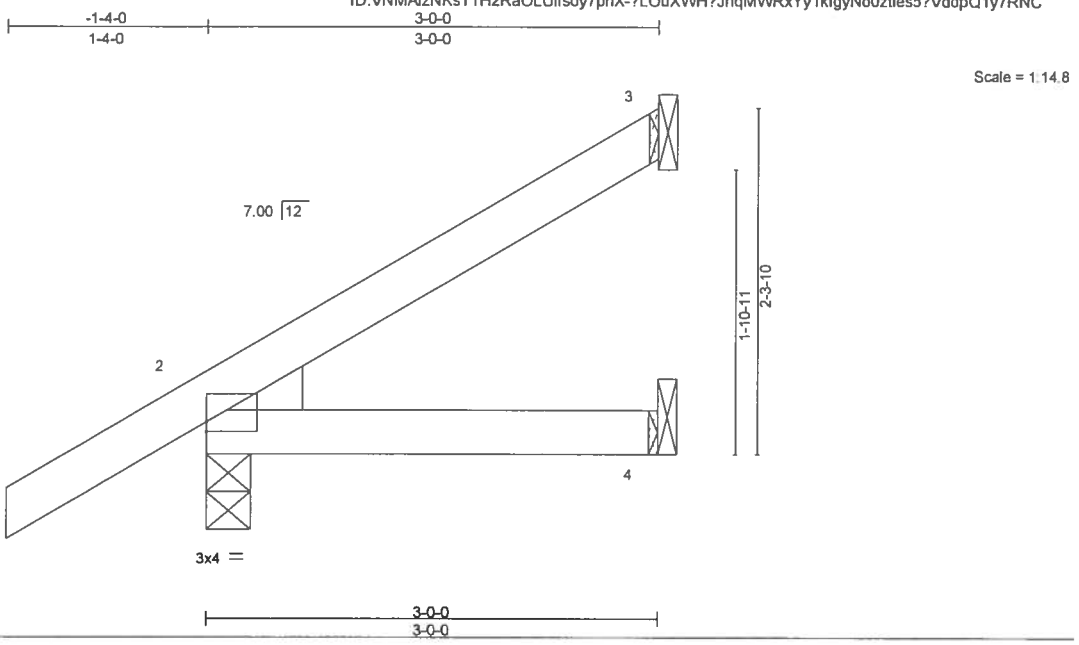

Plate Offsets (X,Y)— [2:0-0-0,0-0-13]

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	0.15	Vert(LL)	-0.01	4-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.11	Vert(TL)	-0.01	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-MP							Weight: 13 lb	FT = 0%

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

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

REACTIONS. (lb/size) 3=64/Mechanical, 2=197/0-3-8, 4=29/Mechanical
Max Horz 2=129(LC 10)
Max Uplift 3=-76(LC 10), 2=-82(LC 10)
Max Grav 3=77(LC 17), 2=197(LC 1), 4=52(LC 3)

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

NOTES-
1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Interior(1) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2.

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	T12776004
1291636	UCJ5	Jack-Open	4	1	Job Reference (optional)

Builder's First Source, Groveland, FL 34736 — 8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:52:18 2017 Page 1
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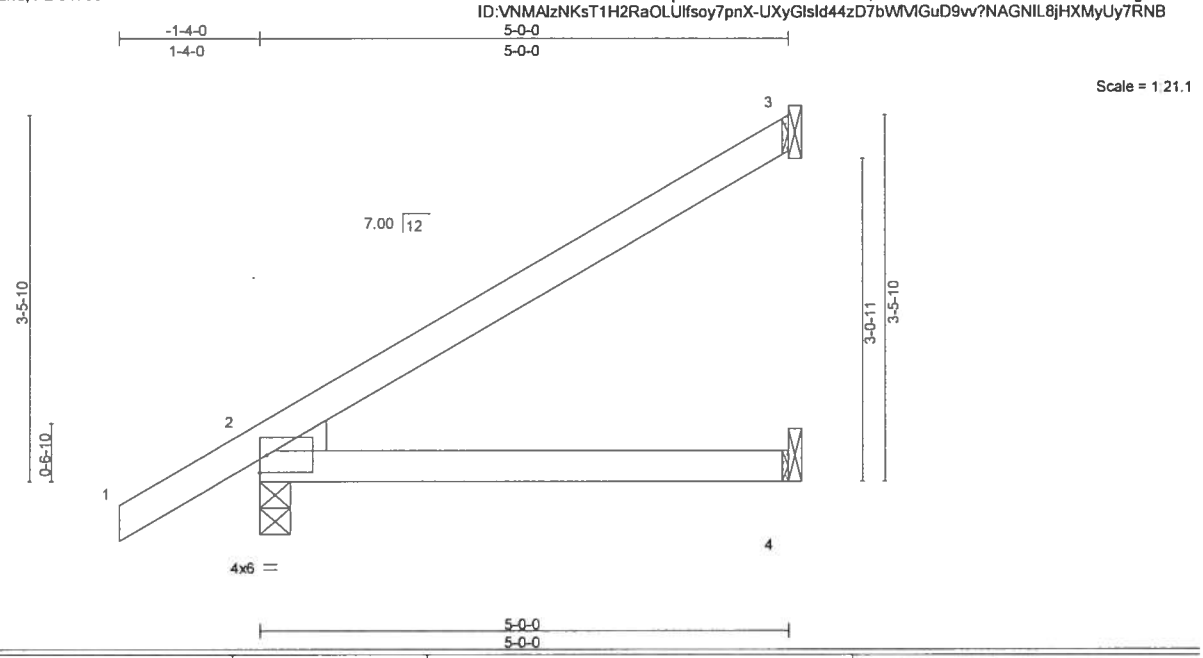

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.39	Vert(LL)	0.04	4-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.28	Vert(TL)	-0.08	4-7	>712	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.02	3	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-MP							Weight: 19 lb	FT = 0%

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

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

REACTIONS. (lb/size) 3=116/Mechanical, 2=264/0-3-8, 4=57/Mechanical
Max Horz 2=193(LC 10)
Max Uplift 3=-133(LC 10), 2=-94(LC 10), 4=-1(LC 10)
Max Grav 3=137(LC 17), 2=264(LC 1), 4=90(LC 3)

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

NOTES-
1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Interior(1) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4 except (jt=lb) 3=133.

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Job	Truss	Truss Type	Qty	Ply	
1291636	UEJ5	Jack-Open	18	1	T12776005
					Job Reference (optional)

Builder's First Source, Groveland, FL 34736 — 8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:52:19 2017 Page 1
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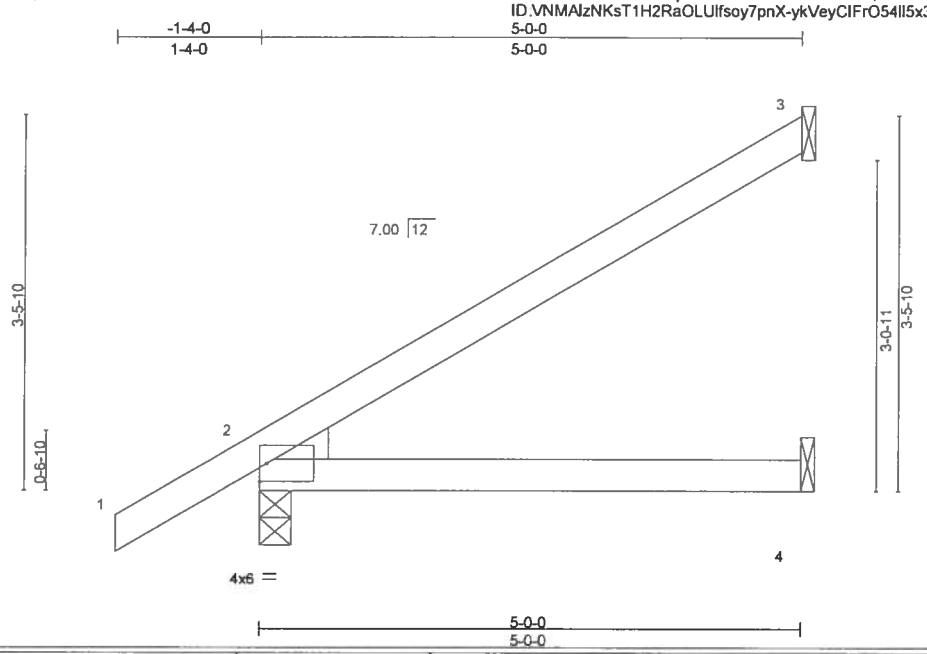

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.39	Vert(LL)	0.04	4-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.28	Vert(TL)	-0.08	4-7	>712	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.02	3	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-MP							Weight: 19 lb	FT = 0%

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

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

REACTIONS. (lb/size) 3=116/Mechanical, 2=264/0-3-8, 4=57/Mechanical
Max Horz 2=193(LC 10)
Max Uplift 3=-133(LC 10), 2=-94(LC 10), 4=-1(LC 10)
Max Grav 3=137(LC 17), 2=264(LC 1), 4=90(LC 3)

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

NOTES-
1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Interior(1) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4 except (jt=lb) 3=133.

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Job	Truss	Truss Type	Qty	Ply	
1291636	UEJ7	Jack-Open	11	1	T12776006
					Job Reference (optional)

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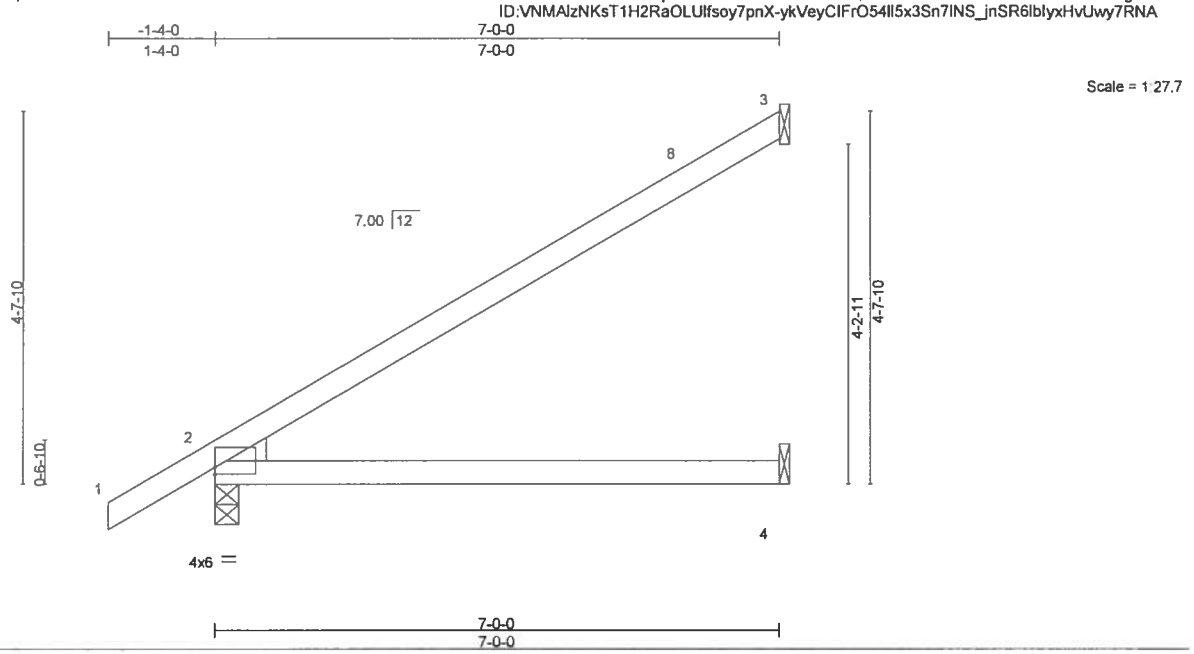

Plate Offsets (X,Y)— [2:0-0-0,0-1-1]

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	0.77	Vert(LL)	0.17	4-7	>483	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.54	Vert(TL)	-0.31	4-7	>266	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.04	3	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-MS							Weight: 26 lb	FT = 0%

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

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

REACTIONS. (lb/size) 3=166/Mechanical, 2=336/0-3-8, 4=83/Mechanical
Max Horz 2=247(LC 10)
Max Uplift 3=-170(LC 10), 2=-114(LC 10), 4=-1(LC 10)
Max Grav 3=196(LC 17), 2=336(LC 1), 4=128(LC 3)

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

NOTES-
1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Interior(1) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 3=170, 2=114.

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
1291636	UHJ5	Diagonal Hip Girder	3	1	T12776007
					Job Reference (optional)

Builder's First Source, Groveland, FL 34736 — 8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:52:21 2017 Page 1
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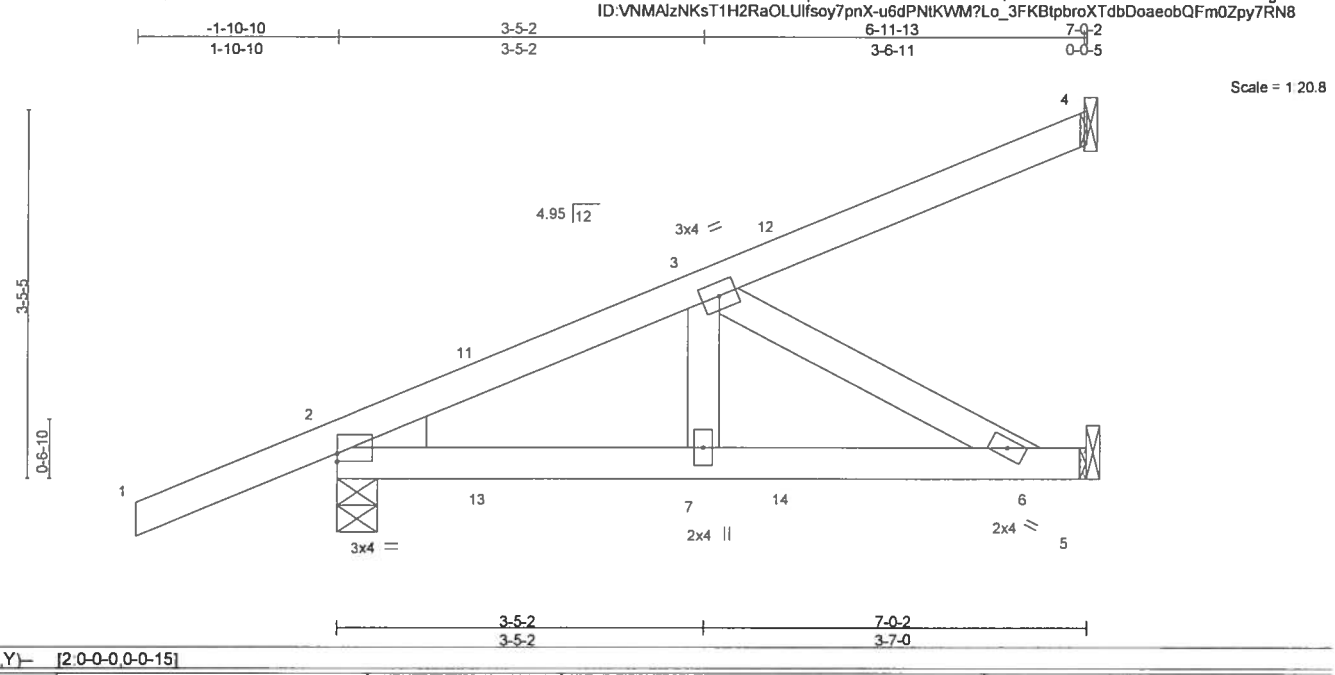

Plate Offsets (X,Y)— [2:0-0-0,0-0-15]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.24	Vert(LL)	0.02	6-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.23	Vert(TL)	-0.03	6-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.08	Horz(TL)	-0.01	4	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-MS							Weight: 33 lb	FT = 0%

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

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

REACTIONS. (lb/size) 4=83/Mechanical, 2=374/0-4-9, 5=163/Mechanical
Max Horz 2=192(LC 26)
Max Uplift 4=-84(LC 8), 2=-182(LC 4), 5=-82(LC 8)
Max Grav 4=89(LC 19), 2=374(LC 1), 5=168(LC 35)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-419/101
BOT CHORD 2-7=-202/283, 6-7=-202/283
WEBS 3-6=-321/229

NOTES-
1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 5 except (jt=lb) 2=182.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 96 lb down and 58 lb up at 1-4-15, 96 lb down and 58 lb up at 1-4-15, and 121 lb down and 76 lb up at 4-2-15, and 121 lb down and 76 lb up at 4-2-15 on top chord, and 17 lb down and 15 lb up at 1-4-15, 17 lb down and 15 lb up at 1-4-15, and 22 lb down at 4-2-15, and 22 lb down at 4-2-15 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=-54, 5-8=-20
Concentrated Loads (lb)
Vert: 14=-4(F=-2, B=-2)

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MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
1291636	UHJ7	Diagonal Hip Girder	2	1	T12776008
					Job Reference (optional)

Builder's First Source, Groveland, FL 34736

8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:52:22 2017 Page 1
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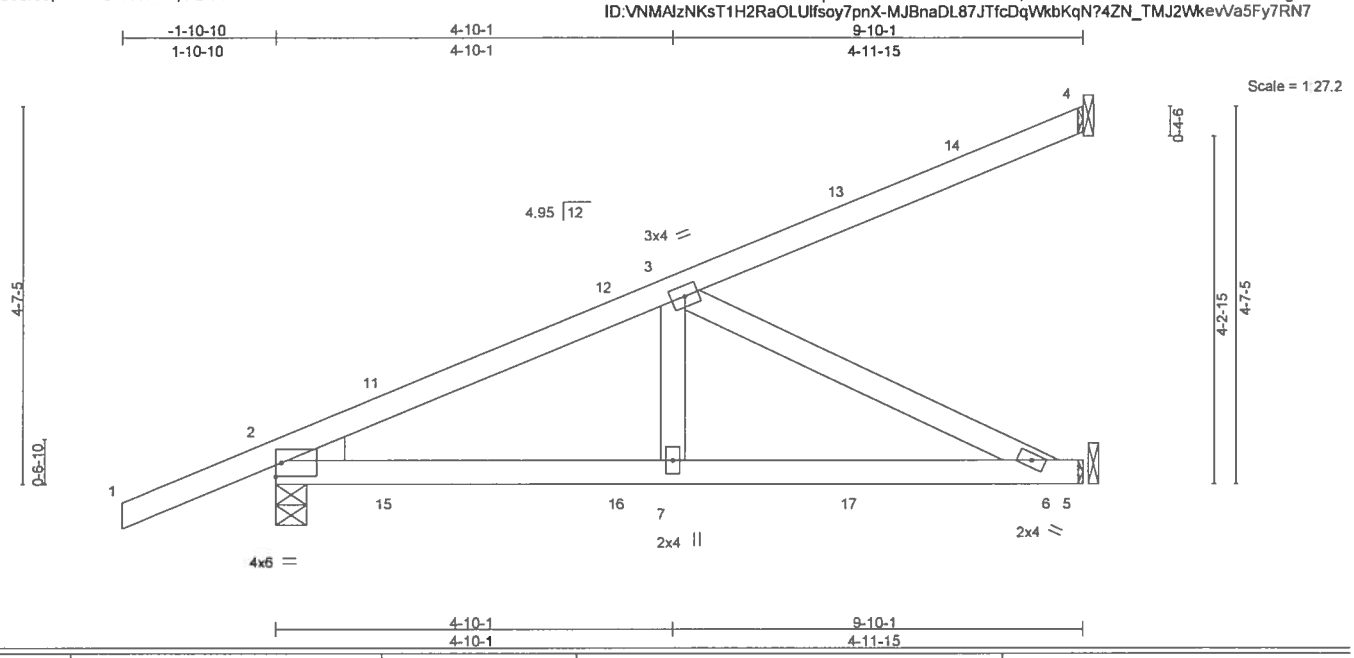

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.56	Vert(LL)	0.07	6-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.53	Vert(TL)	-0.12	6-7	>941	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.31	Horz(TL)	-0.01	4	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-MS							Weight: 45 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-10-6 oc bracing.

REACTIONS. (lb/size) 4=139/Mechanical, 2=514/0-4-9, 5=313/Mechanical
Max Horz 2=246(LC 8)
Max Uplift 4=-137(LC 8), 2=-269(LC 4), 5=-188(LC 8)
Max Grav 4=139(LC 1), 2=514(LC 1), 5=331(LC 35)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-754/325
BOT CHORD 2-7=-431/584, 6-7=-431/584
WEBS 3-7=0/280, 3-6=-648/478

NOTES-
1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 4=137, 2=269, 5=188.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 96 lb down and 58 lb up at 1-4-15, 96 lb down and 58 lb up at 1-4-15, 121 lb down and 76 lb up at 4-2-15, 121 lb down and 76 lb up at 4-2-15, and 158 lb down and 141 lb up at 7-0-14, and 158 lb down and 141 lb up at 7-0-14 on top chord, and 17 lb down and 15 lb up at 1-4-15, 17 lb down and 15 lb up at 1-4-15, 22 lb down at 4-2-15, 22 lb down at 4-2-15, and 45 lb down and 24 lb up at 7-0-14, and 45 lb down and 24 lb up at 7-0-14 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=-54, 5-8=-20
Concentrated Loads (lb)
Vert: 13=-79(F=-40, B=-40) 16=-4(F=-2, B=-2) 17=-57(F=-29, B=-29)

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Job	Truss	Truss Type	Qty	Ply	
1291636	UHJ9	Diagonal Hip Girder	1	1	T12776009
					Job Reference (optional)

Builder's First Source, Groveland, FL 34736

8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:52:22 2017 Page 1
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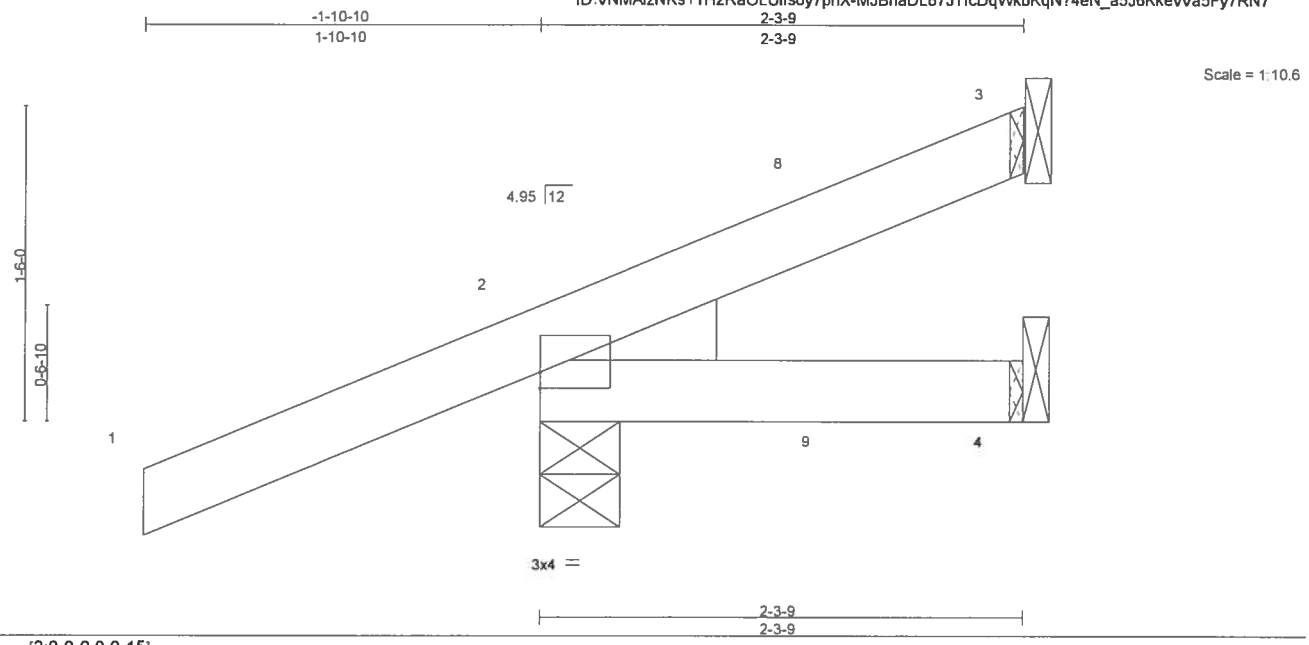

Plate Offsets (X,Y)— [2:0-0-0,0-0-15]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.24	Vert(LL)	-0.01	4-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.10	Vert(TL)	-0.01	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.00	Horz(TL)	0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-MP							Weight: 11 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-3-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 3=33/Mechanical, 2=227/0-4-9, 4=6/Mechanical
Max Horz 2=86(LC 26)
Max Uplift 3=-41(LC 17), 2=-151(LC 4), 4=-19(LC 19)
Max Grav 3=60(LC 30), 2=227(LC 1), 4=57(LC 30)

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

NOTES-
1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4 except (jt=lb) 2=151.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 80 lb down and 46 lb up at 1-4-15, and 80 lb down and 46 lb up at 1-4-15 on top chord, and 17 lb down and 15 lb up at 1-4-15, and 17 lb down and 15 lb up at 1-4-15 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 4-5=-20

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Job	Truss	Truss Type	Qty	Ply	T12776010
1291636	UHJ10	Diagonal Hip Girder	1	1	Job Reference (optional)

Builder's First Source, Groveland, FL 34736

8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:52:20 2017 Page 1
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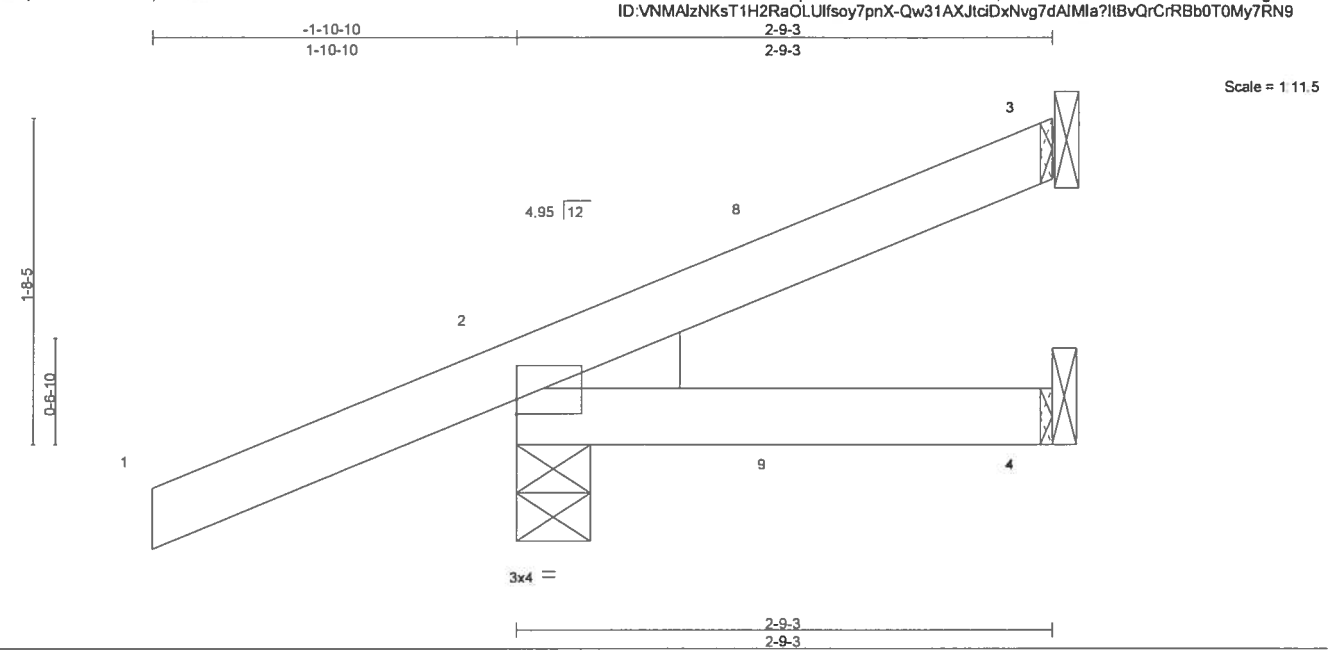

Plate Offsets (X,Y)— [2:0-0-0,0-0-15]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.24	Vert(LL)	0.01	4-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.11	Vert(TL)	-0.01	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.00	Horz(TL)	0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-MP							Weight: 13 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-9-3 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 3=49/Mechanical, 2=237/0-4-9, 4=16/Mechanical
Max Horz 2=97(LC 8)
Max Uplift 3=-52(LC 8), 2=-147(LC 4), 4=-9(LC 19)
Max Grav 3=49(LC 1), 2=237(LC 1), 4=58(LC 30)

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

NOTES-
1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4 except (jt=lb) 2=147.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 93 lb down and 55 lb up at 1-4-15, and 93 lb down and 55 lb up at 1-4-15 on top chord, and 17 lb down and 15 lb up at 1-4-15, and 17 lb down and 15 lb up at 1-4-15 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 4-5=-20

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Job	Truss	Truss Type	Qty	Ply	T12776011
1291636	UV3A	Valley	1	1	Job Reference (optional)

Builder's First Source, Groveland, FL 34736 — 8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:52:23 2017 Page 1
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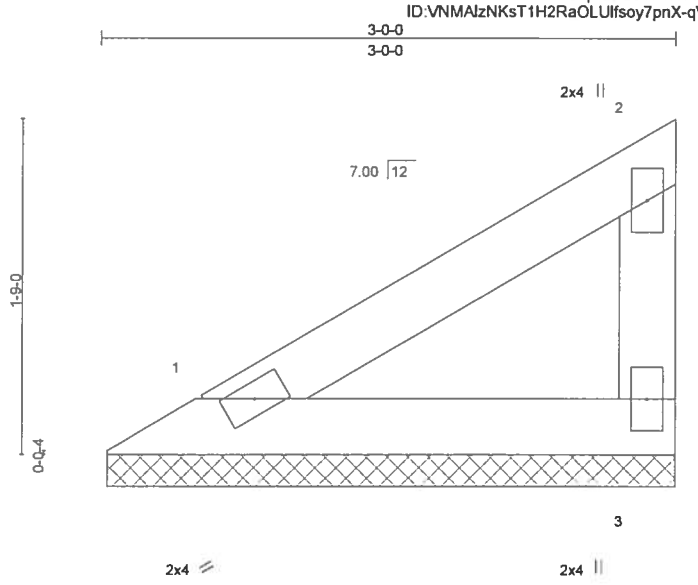

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.09	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.06	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-P							Weight: 10 lb	FT = 0%

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. (lb/size) 1=86/2-11-9, 3=86/2-11-9
Max Horz 1=72(LC 7)
Max Uplift 1=-31(LC 10), 3=-52(LC 10)
Max Grav 1=86(LC 1), 3=101(LC 17)

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

NOTES-
1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Interior(1) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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.
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	
1291636	UV5	Valley	1	1	T12776012
					Job Reference (optional)

Builder's First Source, Groveland, FL 34736 — 8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:52:24 2017 Page 1
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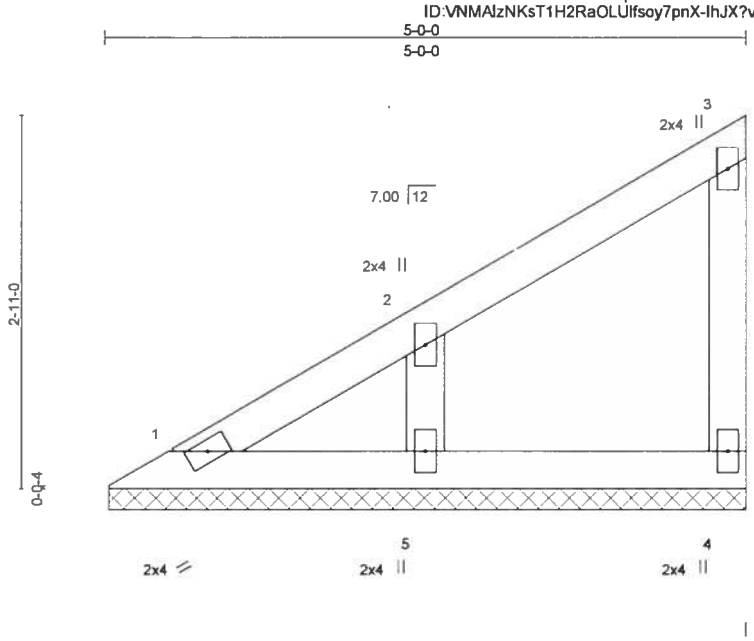

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.14	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.05	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(TL)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-P							Weight: 20 lb	FT = 0%

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

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

REACTIONS. (lb/size) 1=50/4-11-9, 4=69/4-11-9, 5=200/4-11-9
Max Horz 1=133(LC 7)
Max Uplift 1=-11(LC 6), 4=-38(LC 7), 5=-147(LC 10)
Max Grav 1=71(LC 18), 4=85(LC 17), 5=226(LC 17)

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

NOTES-
1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Interior(1) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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.
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) 5=147.

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
1291636	V3	Valley	1	1	T12776013
					Job Reference (optional)

Builder's First Source, Groveland, FL 34736 — 8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:52:25 2017 Page 1
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3-0-7

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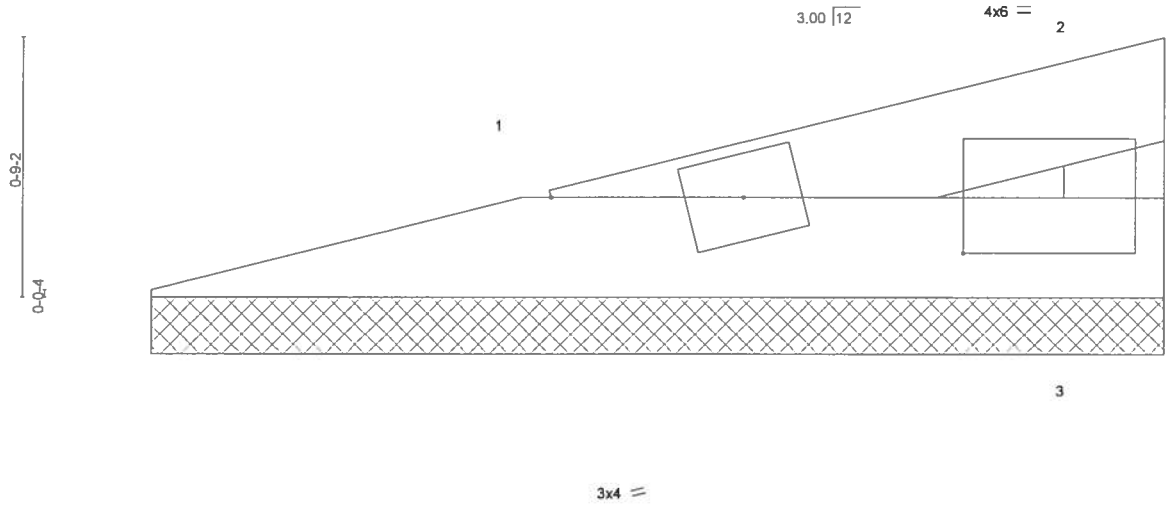

Plate Offsets (X,Y)— [2:0-1-12,0-0-7], [2:1-2-6,0-1-15], [3:0-1-12,0-0-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.04	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.03	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-P							Weight: 7 lb	FT = 0%

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

REACTIONS. (lb/size) 1=61/2-11-7, 3=61/2-11-7
Max Horz 1=24(LC 7)
Max Uplift 1=-28(LC 6), 3=-31(LC 10)

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

NOTES-
1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Interior(1) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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.
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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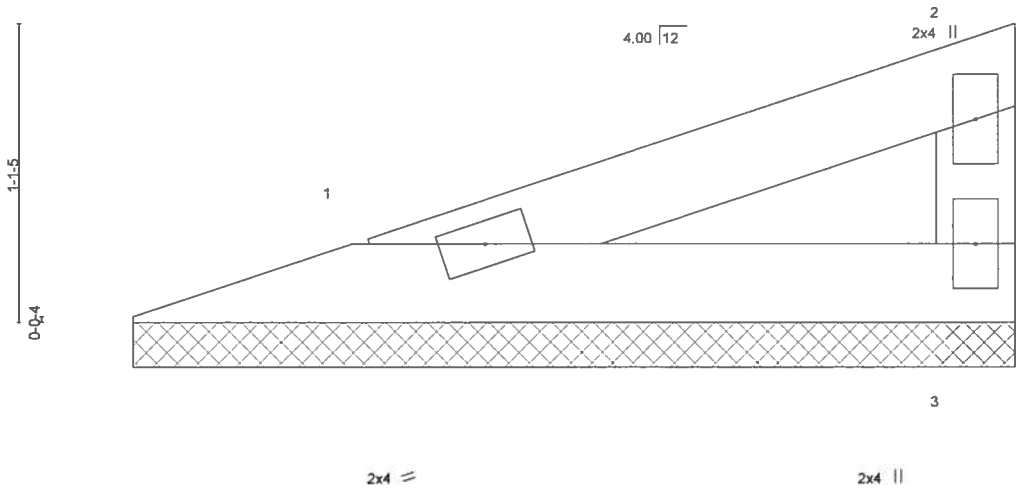
Job	Truss	Truss Type	Qty	Ply	
1291636	V3B	Valley	1	1	T12776014
					Job Reference (optional)

Builder's First Source, Groveland, FL 34736 — 8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:52:26 2017 Page 1
ID:VNMAlzNKsT1H2RaOLUlfsoy7pnX-F4QIQbOeBYz45q7HzQPmYrEMwcziFwKKZXTnE0y7RN3

3-4-0
3-4-0

Scale = 1 8.3



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.07	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.06	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-P							Weight: 9 lb	FT = 0%

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

REACTIONS. (lb/size) 1=83/3-3-4, 3=83/3-3-4
Max Horz 1=45(LC 9)
Max Uplift 1=-37(LC 6), 3=-44(LC 10)

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

NOTES-
1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Interior(1) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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.
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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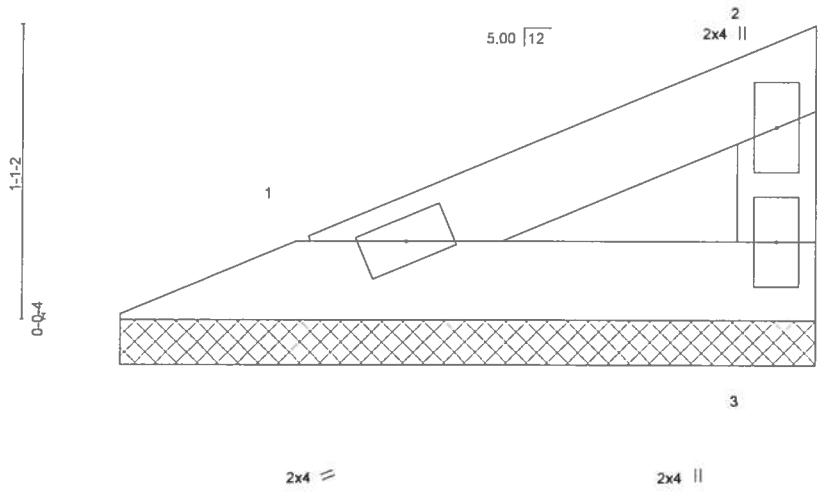
Job	Truss	Truss Type	Qty	Ply	T12776015
1291636	V3C	Valley	1	1	Job Reference (optional)

Builder's First Source, Groveland, FL 34736 — 8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:52:26 2017 Page 1
ID:VNMAlzNKsT1H2RaOLUlfsoy7pnX-F4QIQbOeBYz45q7HzQPmYrENPcz5FwKKZXTnE0y7RN3

2-7-7
2-7-7

Scale = 1:8.2



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.04	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.03	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-P							Weight: 8 lb	FT = 0%

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 2-7-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 1=64/2-6-13, 3=64/2-6-13
Max Horz 1=42(LC 7)
Max Uplift 1=-27(LC 10), 3=-35(LC 10)

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

NOTES-
1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Interior(1) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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.
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	T12776016
1291636	V4	Valley	1	1	Job Reference (optional)

Builder's First Source, Groveland, FL 34736 — 8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:52:27 2017 Page 1
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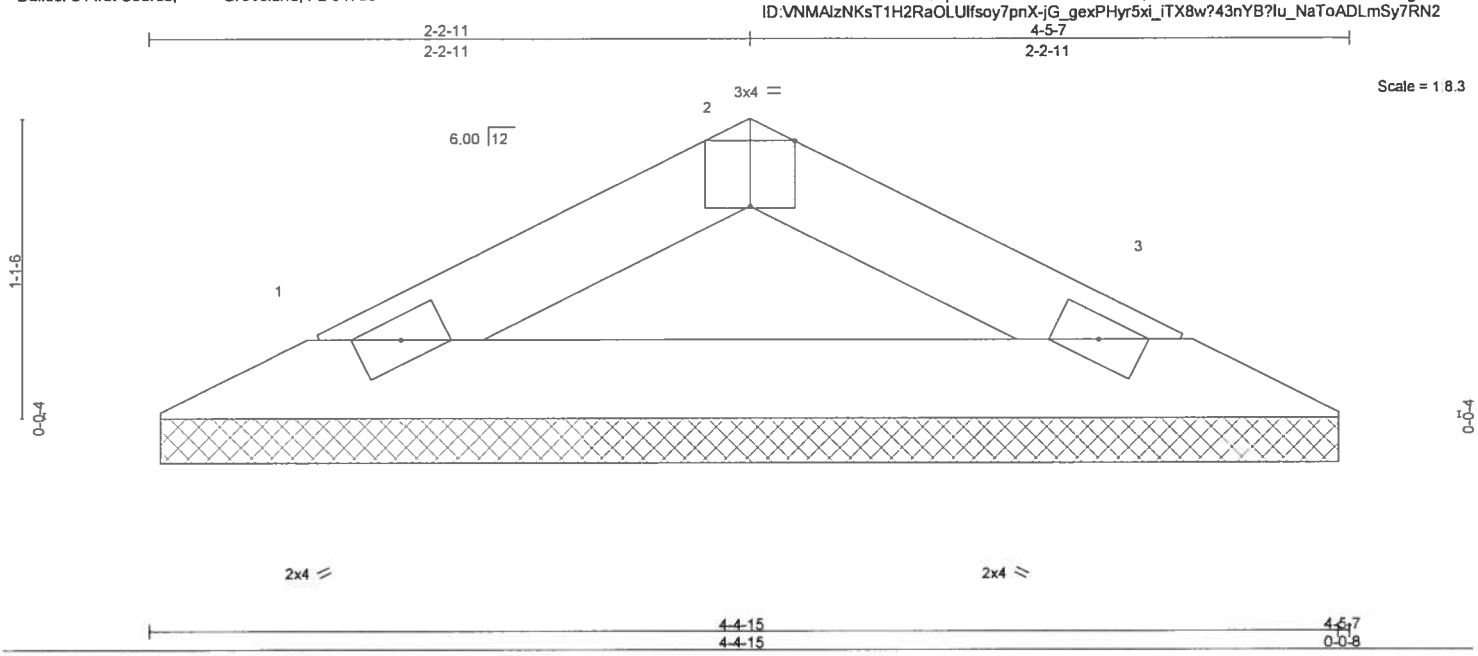

Plate Offsets (X,Y)— [2:0-2-0,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.04	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.12	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-P							Weight: 12 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-5-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 1=118/4-4-7, 3=118/4-4-7
Max Horz 1=19(LC 10)
Max Uplift 1=-46(LC 10), 3=-46(LC 11)

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=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Interior(1) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.

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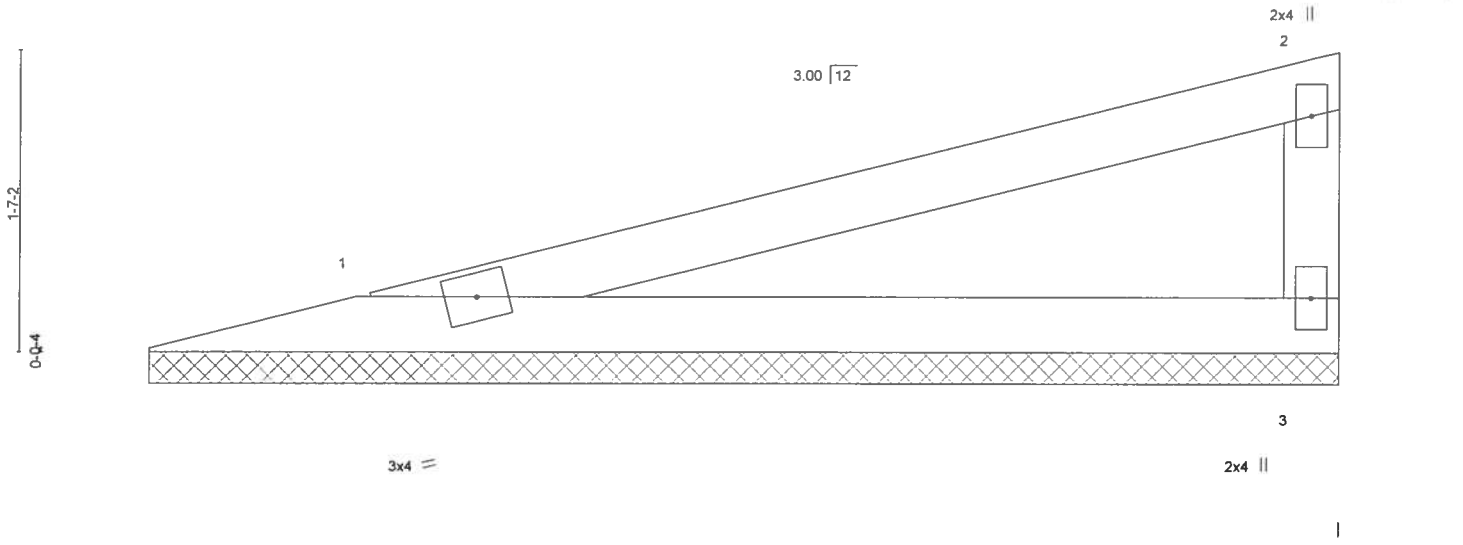
Job	Truss	Truss Type	Qty	Ply	T12776017
1291636	V6	Valley	1	1	Job Reference (optional)

Builder's First Source, Groveland, FL 34736 — 8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:52:28 2017 Page 1
ID:VNMAlzNKsT1H2RaOLUlfsoy7pnX-BSY2rHPvj9DoK8Hg5rREdGKdlPaEjqqd1qyulvy7RN1

6-4-7
6-4-7

Scale = 1:11.8



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.40	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.31	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-P							Weight: 19 lb	FT = 0%

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 6-4-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 1=184/6-3-7, 3=184/6-3-7
Max Horz 1=72(LC 7)
Max Uplift 1=-85(LC 6), 3=-95(LC 10)

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

NOTES-
1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Interior(1) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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.
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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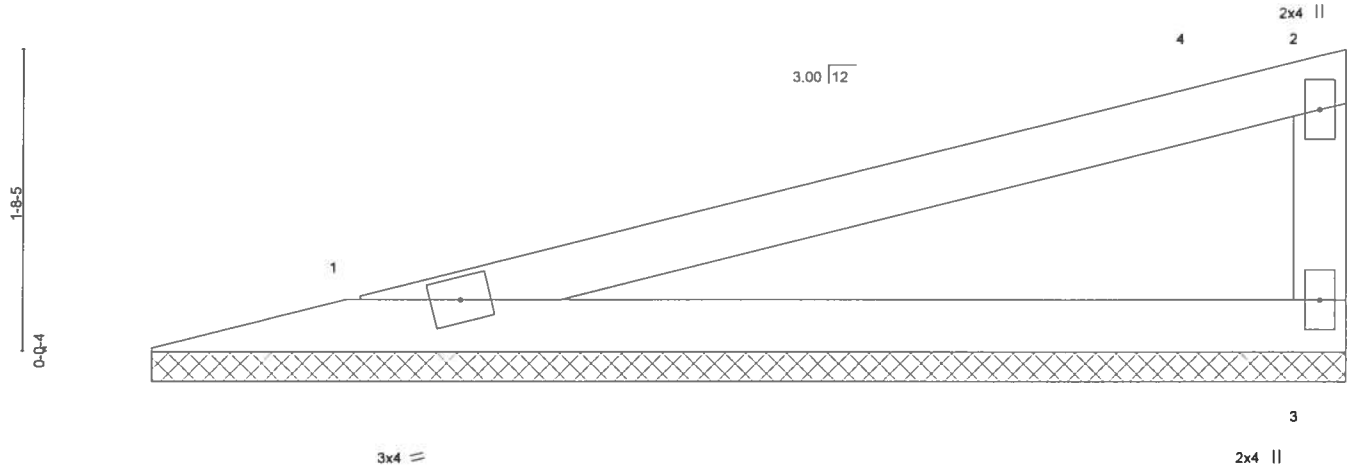
Job	Truss	Truss Type	Qty	Ply	
1291636	V7	Valley	1	1	T12776018
					Job Reference (optional)

Builder's First Source, Groveland, FL 34736 — 8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:52:28 2017 Page 1
ID:VNMAlzNKsT1H2RaOLUlfsoy7pnX-BSY2rHPvj9DoK8Hg5rREdGKcAPZMjqqd1qyulvy7RN1

6-9-3
6-9-3

Scale = 1:12.5



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	0.47	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.36	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-P							Weight: 20 lb	FT = 0%

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. (lb/size) 1=199/6-8-3, 3=199/6-8-3
Max Horz 1=78(LC 9)
Max Uplift 1=-92(LC 6), 3=-101(LC 6)

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

NOTES-
1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Interior(1) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1 except (jt=lb) 3=101.

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Job	Truss	Truss Type	Qty	Ply	
1291636	V10	Valley	1	1	T12776019
					Job Reference (optional)

Builder's First Source, Groveland, FL 34736 — 8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:52:24 2017 Page 1
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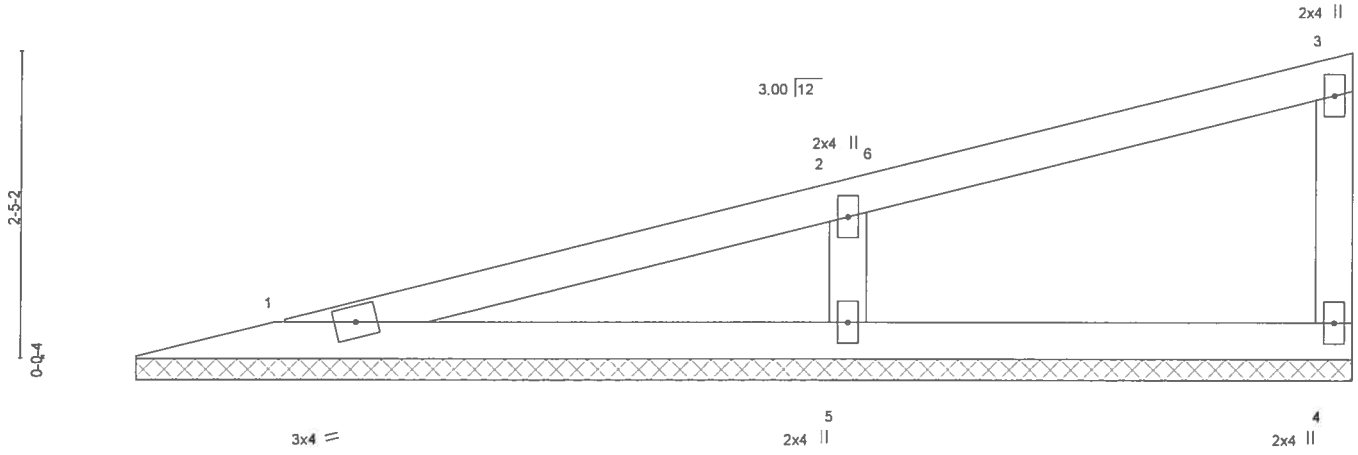
9-8-7
9-8-7

Scale = 1:17.6



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.21	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.16	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(TL)	-0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-S							Weight: 31 lb	FT = 0%

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

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

REACTIONS. (lb/size) 1=132/9-7-7, 4=105/9-7-7, 5=377/9-7-7
Max Horz 1=120(LC 7)
Max Uplift 1=-52(LC 10), 4=-49(LC 6), 5=-200(LC 6)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-5=-269/241

NOTES-
1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Interior(1) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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.
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) 5=200.

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Job	Truss	Truss Type	Qty	Ply	T12776020
1291636	V11	Valley	1	1	Job Reference (optional)

Builder's First Source, Groveland, FL 34736 — 8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Dec 19 09:52:25 2017 Page 1
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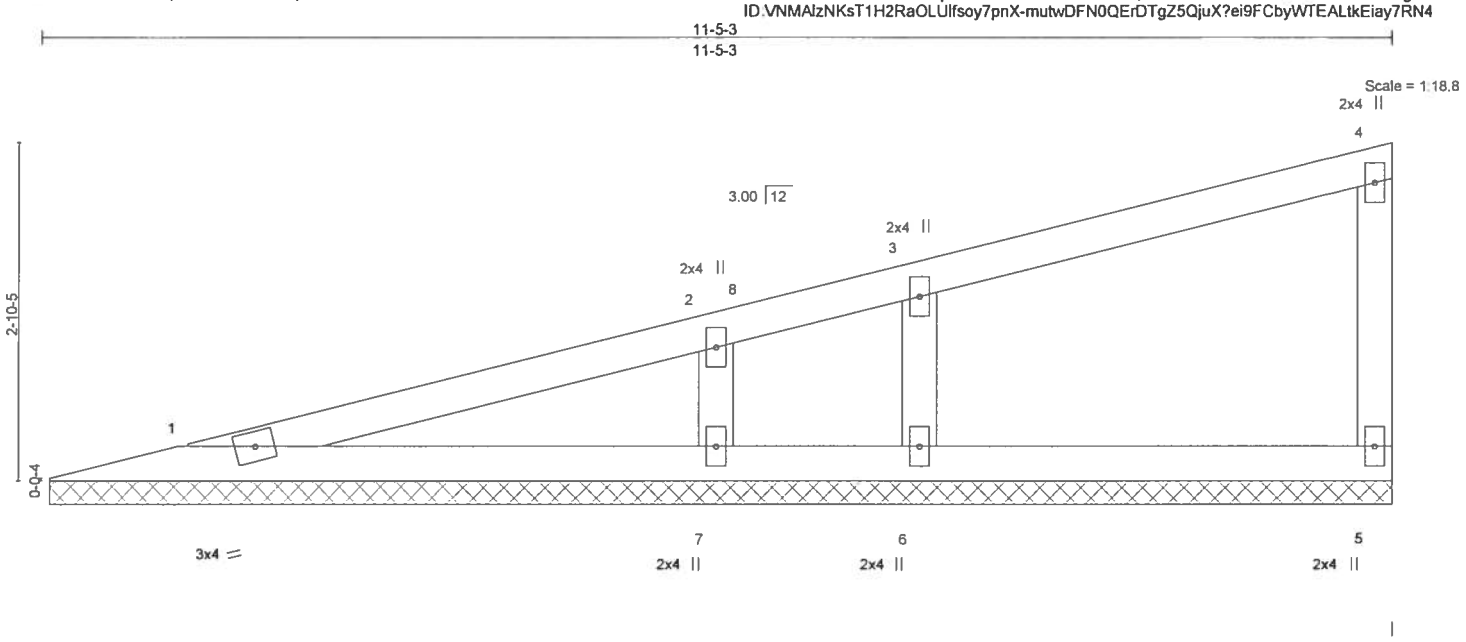

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.19	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.15	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(TL)	-0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-S							Weight: 39 lb	FT = 0%

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

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

REACTIONS. All bearings 11-4-3.
(lb) - Max Horz 1=144(LC 7)
Max Uplift All uplift 100 lb or less at joint(s) 1, 5, 6 except 7=-161(LC 10)
Max Grav All reactions 250 lb or less at joint(s) 1, 5, 6 except 7=293(LC 1)

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

NOTES-
1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Interior(1) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5, 6 except (jt=lb) 7=161.

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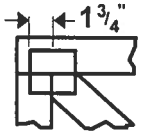
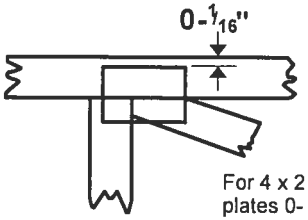
Symbols

PLATE LOCATION AND ORIENTATION



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



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

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

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

PLATE SIZE

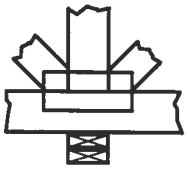
4 x 4

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

LATERAL BRACING LOCATION

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

BEARING

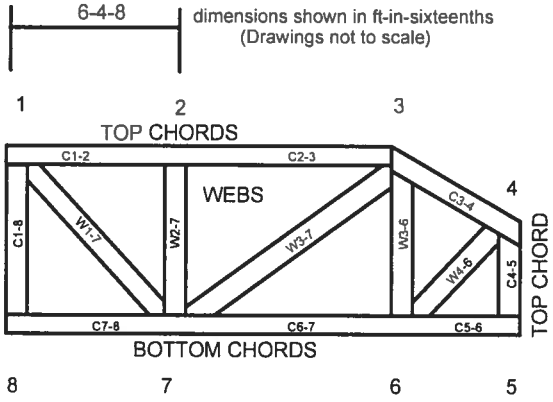


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

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

Numbering System



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

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

PRODUCT CODE APPROVALS

ICC-ES Reports:

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

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

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

MiTek®

MiTek Engineering Reference Sheet: MII-7473 rev. 10/03/2015

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.

August 10, 2010	T-BRACE / I-BRACE DETAIL WITH 2X BRACE ONLY	ST - T-BRACE 2

MiTek USA, Inc.

Note: T-Bracing / I-Bracing to be used when continuous lateral bracing is impractical. T-Brace / I-Brace must cover 90% of web length.

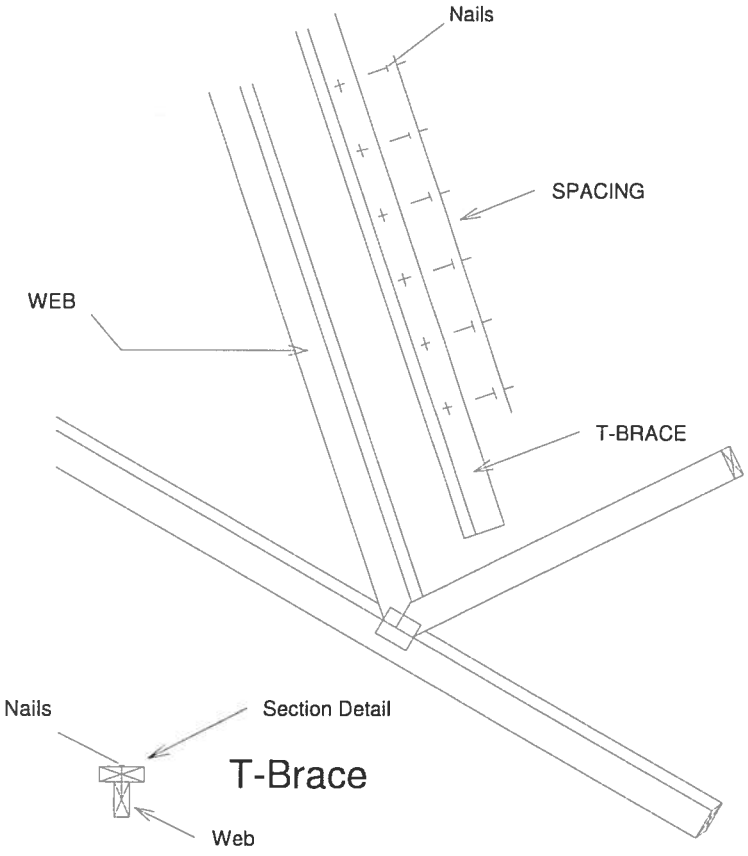
Note: This detail NOT to be used to convert T-Brace / I-Brace webs to continuous lateral braced webs.

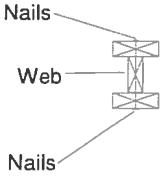
Nailing Pattern		
T-Brace size	Nail Size	Nail Spacing
2x4 or 2x6 or 2x8	10d	6" o.c.
Note: Nail along entire length of T-Brace / I-Brace (On Two-Ply's Nail to Both Plies)		

	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.





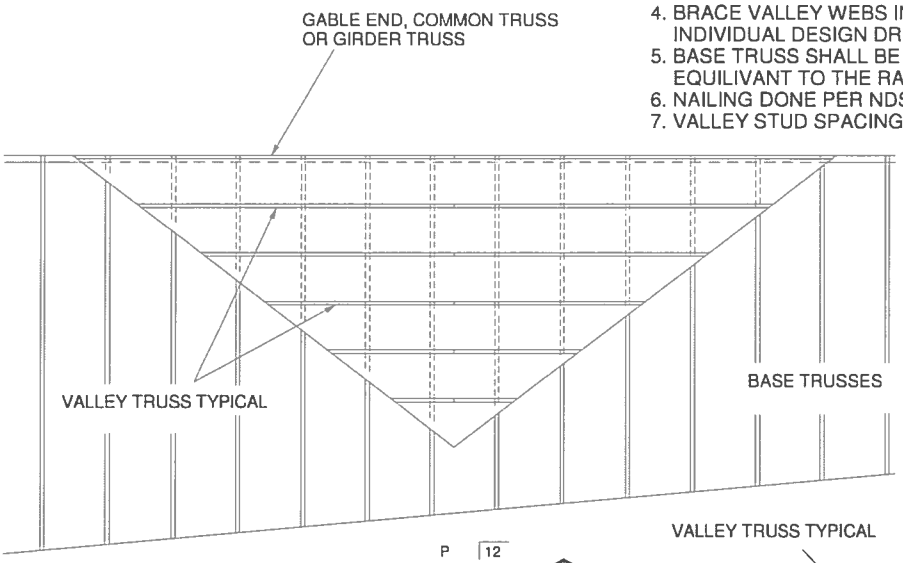
I-Brace

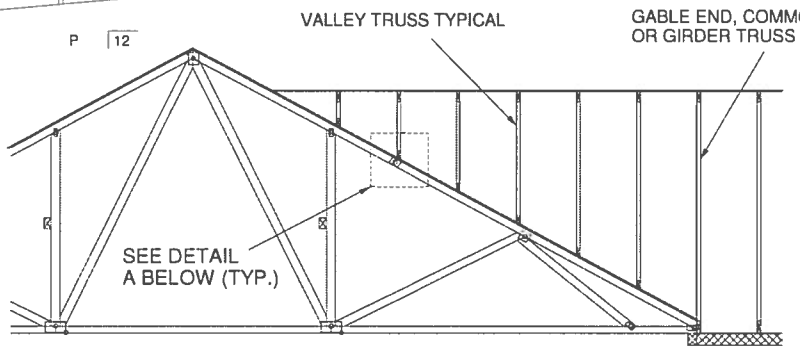
FEBRUARY 14, 2012	TRUSSED VALLEY SET DETAIL	ST-VALLEY HIGH WIND1

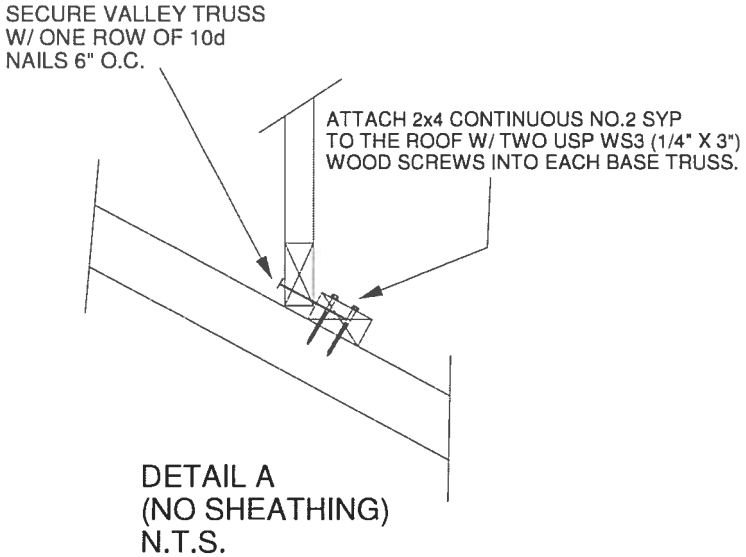
MiTek USA, Inc.

GENERAL SPECIFICATIONS

1. NAIL SIZE = 3" X 0.131" = 10d
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

JANUARY 28, 2015	LATERAL TOE-NAIL DETAIL	ST-TOENAIL_SP

MiTek USA, Inc.

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.

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.

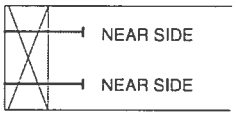
EXAMPLE:
(3) - 16d NAILS (.162" diam. x 3.5") WITH SPF SPECIES BOTTOM CHORD

For load duration increase of 1.15:
3 (nails) X 84.5 (lb/nail) X 1.15 (DOL) = 291.5 lb Maximum Capacity

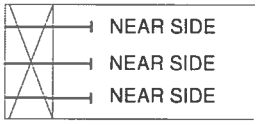
THIS DETAIL APPLICABLE TO THE THREE END DETAILS SHOWN BELOW

VIEWS SHOWN ARE FOR ILLUSTRATION PURPOSES ONLY

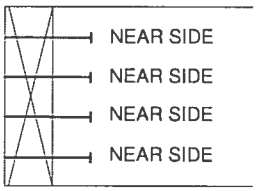
SIDE VIEW
(2x3)
2 NAILS

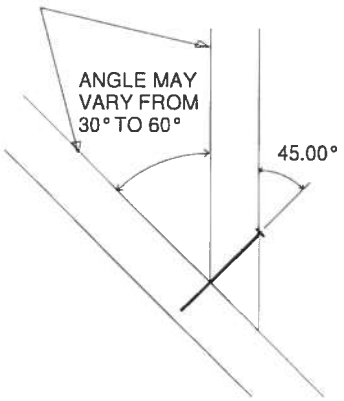


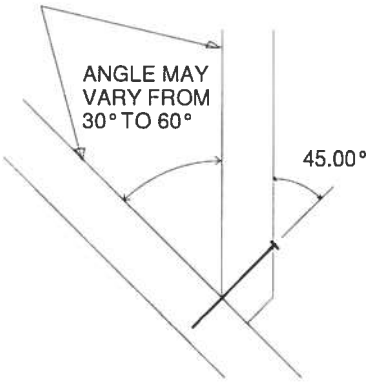
SIDE VIEW
(2x4)
3 NAILS

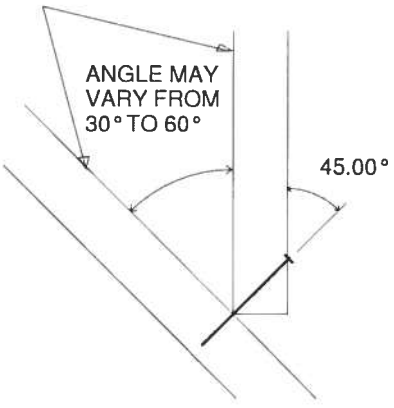


SIDE VIEW
(2x6)
4 NAILS







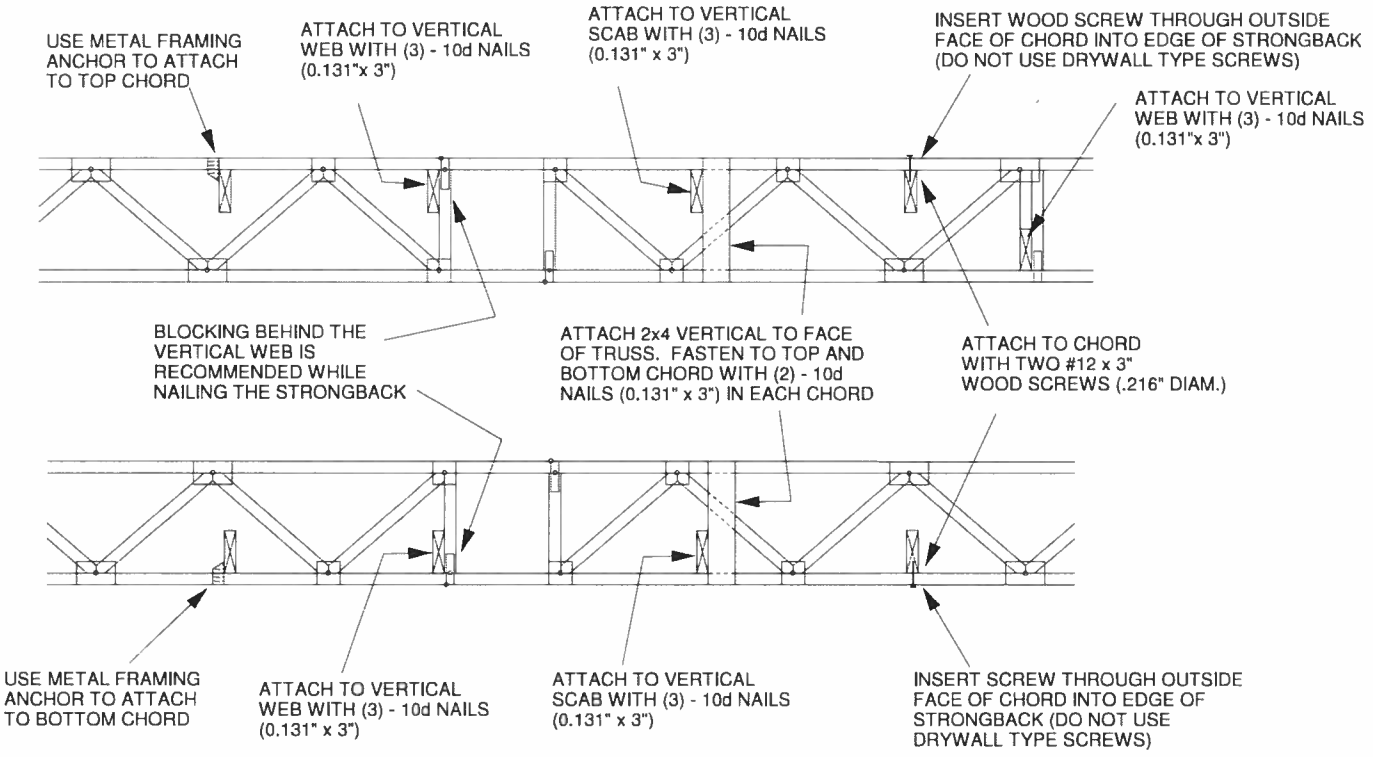


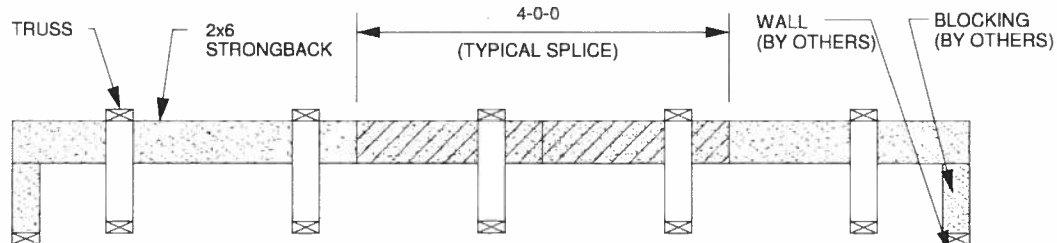
MiTek USA, Inc.

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 NAILS (0.131" x 3") EQUALLY SPACED.

ALTERNATE METHOD OF SPLICING:
OVERLAP STRONGBACK MEMBERS A MINIMUM OF 4'-0" AND FASTEN WITH (12) - 10d NAILS (0.131" x 3") STAGGERED AND EQUALLY SPACED.
(TO BE USED ONLY WHEN STRONGBACK IS NOT ALIGNED WITH A VERTICAL)

FEBRUARY 14, 2012	STANDARD PIGGYBACK TRUSS CONNECTION DETAIL	ST-PIGGY-7-10

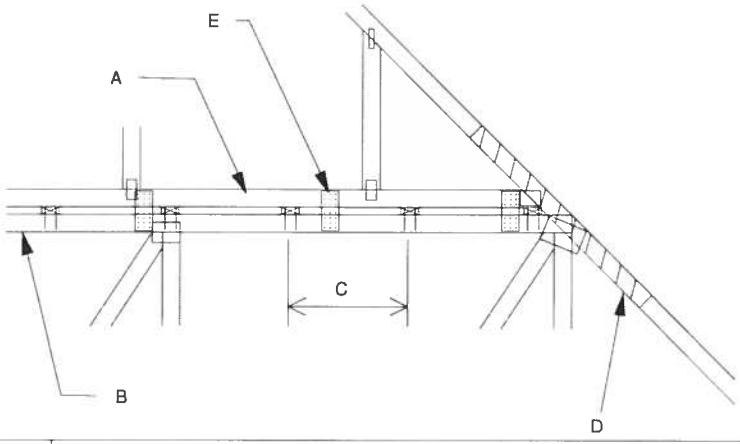
MiTek USA, Inc.

MiTek USA, Inc.

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 AND GRADE TO MATCH TOP CHORD OF PIGGYBACK TRUSS, 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.

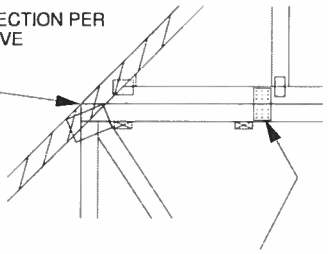
E - FOR WIND SPEEDS BETWEEN 126 AND 160 MPH, ATTACH MITEK 3X8 20 GA Nail-On PLATES TO EACH FACE OF TRUSSES AT 72" O.C. W/ (4) 0.131" X 1.5" PER MEMBER. STAGGER NAILS FROM OPPOSING FACES. ENSURE 0.5" EDGE DISTANCE. (MIN. 2 PAIRS OF PLATES REQ. REGARDLESS OF SPAN)



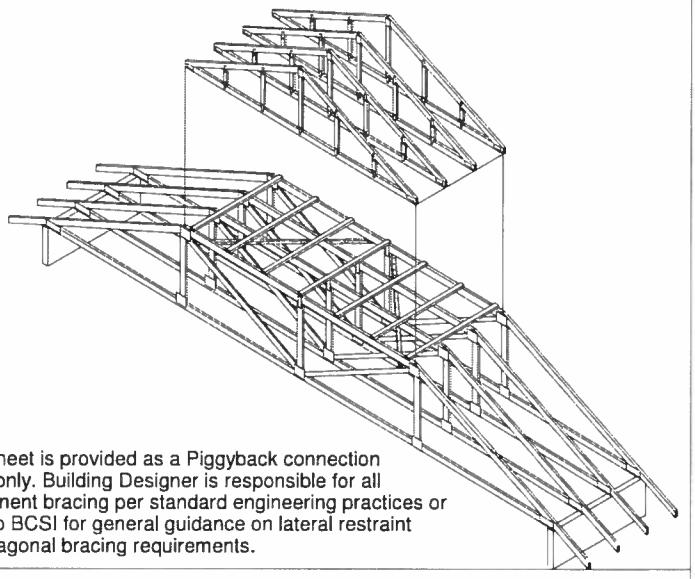
WHEN NO GAP BETWEEN PIGGYBACK AND BASE TRUSS EXISTS:

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

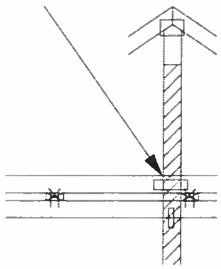


FOR ALL WIND SPEEDS, ATTACH MITEK 3X6 20 GA Nail-On PLATES TO EACH FACE OF TRUSSES AT 48" O.C. W/ (4) 0.131" X 1.5" PER MEMBER. STAGGER NAILS FROM OPPOSING FACES ENSURE 0.5" EDGE DISTANCE.



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.

FEBRUARY 14, 2012	Standard Gable End Detail	ST-GE130-001

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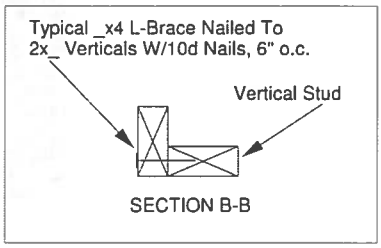
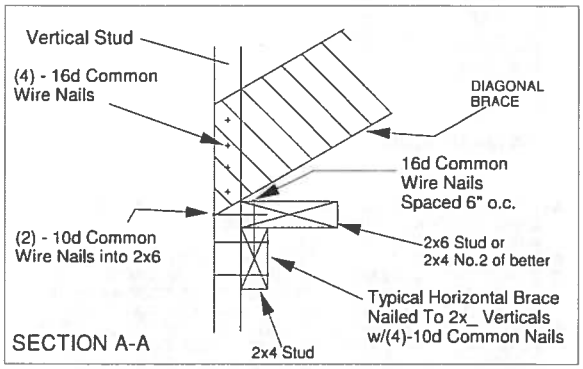
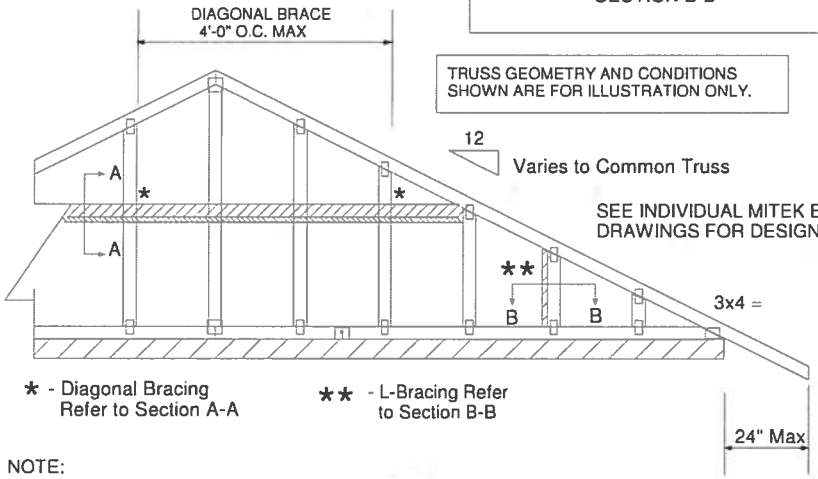






TRUSS GEOMETRY AND CONDITIONS SHOWN ARE FOR ILLUSTRATION ONLY.

SEE INDIVIDUAL MITEK ENGINEERING DRAWINGS FOR DESIGN CRITERIA

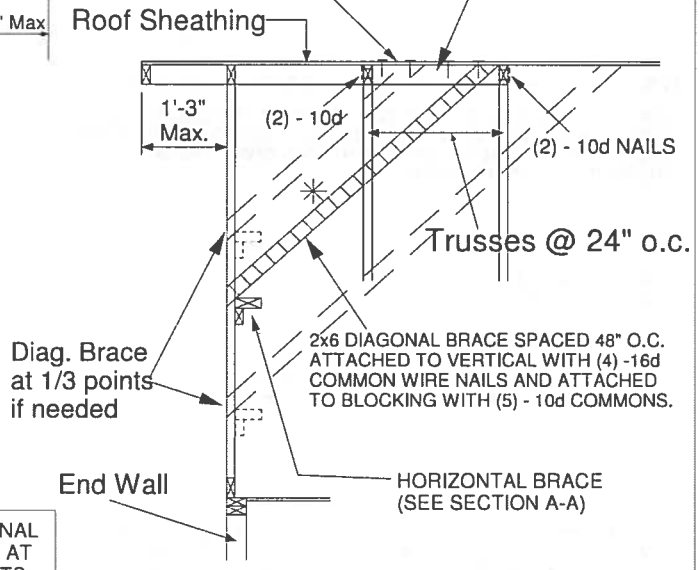
* - Diagonal Bracing Refer to Section A-A

** - L-Bracing Refer to Section B-B

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 COMMON WIRE NAILS.

(4) - 8d NAILS MINIMUM, PLYWOOD SHEATHING TO 2x4 STD SPF 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: 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.

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 SPF Std/Stud	12" O.C.	4-0-7	4-3-2	6-0-4	8-0-15	12-1-6
2x4 SPF Std/Stud	16" O.C.	3-7-0	3-8-4	5-2-10	7-1-15	10-8-15
2x4 SPF Std/Stud	24" O.C.	2-11-1	3-0-2	4-3-2	5-10-3	8-9-4

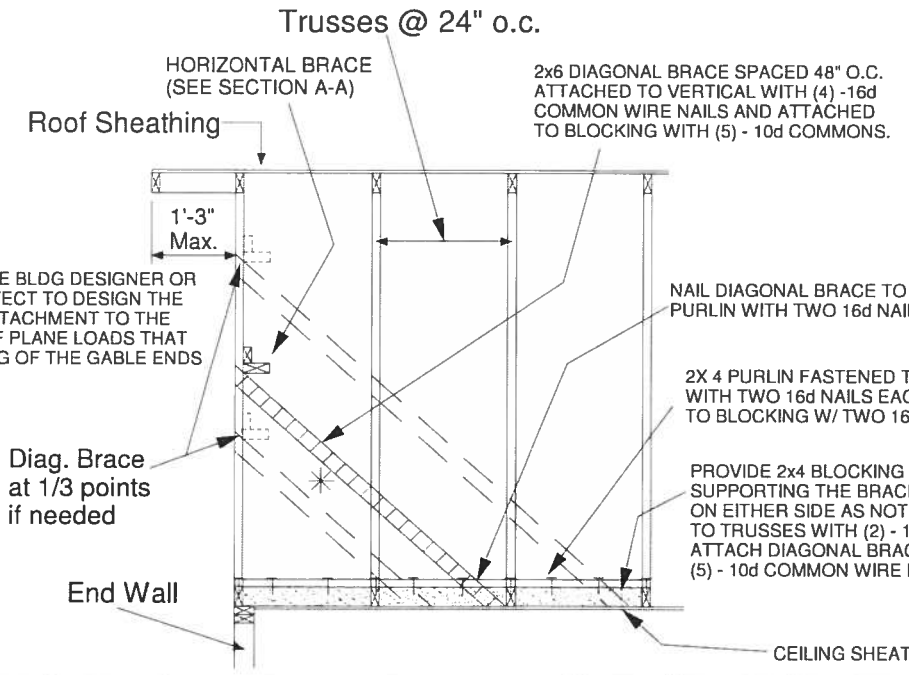
✳ Diagonal braces over 6'-3" require a 2x4 T-Brace attached to one edge. Diagonal braces over 12'-6" require 2x4 I-braces attached to both edges. Fasten T and I braces to narrow edge of web with 10d common wire nails 8in o.c., with 3in minimum end distance. Brace must cover 90% of diagonal length.

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.

MiTek USA, Inc.

ALTERNATE DIAGONAL BRACING TO THE BOTTOM CHORD



BRACING REQUIREMENTS FOR STRUCTURAL GABLE TRUSSES

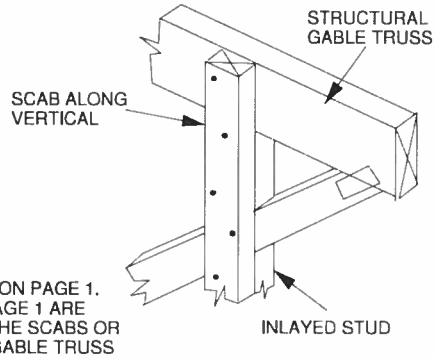
STRUCTURAL GABLE TRUSSES MAY BE BRACED AS NOTED:

METHOD 1 : ATTACH A MATCHING GABLE TRUSS TO THE INSIDE FACE OF THE STRUCTURAL GABLE AND FASTEN PER THE FOLLOWING NAILING SCHEDULE.

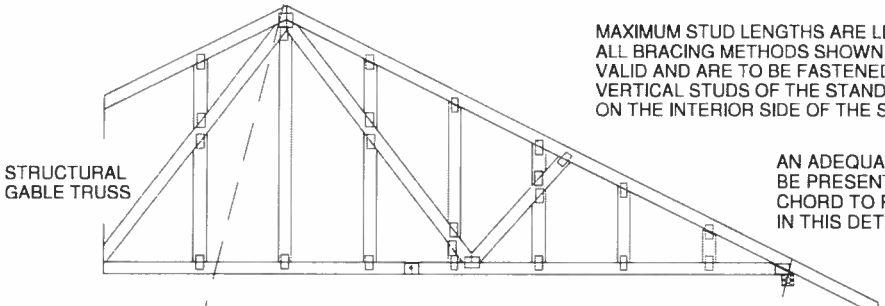
METHOD 2 : ATTACH 2X_ SCABS TO THE FACE OF EACH VERTICAL MEMBER ON THE STRUCTURAL GABLE PER THE FOLLOWING NAILING SCHEDULE. SCABS ARE TO BE OF THE SAME SIZE, GRADE AND SPECIES AS THE TRUSS VERTICALS

NAILING SCHEDULE:

- FOR WIND SPEEDS 120 MPH (ASCE 7-98, 02, 05), 150 MPH (ASCE 7-10) OR LESS, NAIL ALL MEMBERS WITH ONE ROW OF 10d (.131" X 3") NAILS SPACED 6" O.C.
- FOR WIND SPEEDS GREATER 120 MPH (ASCE 7-98, 02, 05), 150 MPH (ASCE 7-10) NAIL ALL MEMBERS WITH TWO ROWS OF 10d (.131" X 3") NAILS SPACED 6" O.C. (2X 4 STUDS MINIMUM)



MAXIMUM STUD LENGTHS ARE LISTED ON PAGE 1. ALL BRACING METHODS SHOWN ON PAGE 1 ARE VALID AND ARE TO BE FASTENED TO THE SCABS OR VERTICAL STUDS OF THE STANDARD GABLE TRUSS ON THE INTERIOR SIDE OF THE STRUCTURE.



AN ADEQUATE DIAPHRAGM OR OTHER METHOD OF BRACING MUST BE PRESENT TO PROVIDE FULL LATERAL SUPPORT OF THE BOTTOM CHORD TO RESIST ALL OUT OF PLANE LOADS. THE BRACING SHOWN IN THIS DETAIL IS FOR THE VERTICAL/STUDS ONLY.

NOTE : THIS DETAIL IS TO BE USED ONLY FOR STRUCTURAL GABLES WITH INLAYED STUDS. TRUSSES WITHOUT INLAYED STUDS ARE NOT ADDRESSED HERE.