JULIUS LEE PE.

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

31037

RE: 460382 - ADAMS - DUARTE RES.

1109 COASTAL BAY BLVD, BOYNTON BEACH, FL 33435

Site Information:
Project Customer: Adams Const. Project Name: 460382 Model: Duarte Res.
Lot/Block: Subdivision:
Address: 673 SW Bellflower Drive
City: Columbia Cty State: FL

Name Address and License # of Structural Engineer of Record, If there is one, for the building.
Name: Unknown at time of seal License #: Unknown at time of seal
Address: Unknown at time of seal
City: Unknown at time of seal State: Unknown at time of seal

General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions):
FBC 2010/TPI 2007 Design Program: MiTek 20/20 7.3
ASCE 7-10 Wind Speed: 130 mph Floor Load: 55.0 psf
Roof Load: 32.0 psf

This package includes 132 individual, dated Truss Design Drawings and 0 Additional Drawings.
With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.
This document processed per section 16G15-23.003 of the Florida Board of Professionals Rules

In the event of changes from Builder or E.O.R. additional coversheets and drawings may accompany this coversheet. The latest approval dates supersede and replace the previous drawings.

No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	I6672874	CJ01	4/29/013	18	I6672891	EJ07	4/29/013
2	I6672875	CJ02	4/29/013	19	I6672892	EJ08	4/29/013
3	I6672876	CJ03	4/29/013	20	I6672893	F01	4/29/013
4	I6672877	CJ05	4/29/013	21	I6672894	F02	4/29/013
5	I6672878	CJ06	4/29/013	22	I6672895	F03	4/29/013
6	I6672879	CJ08	4/29/013	23	I6672896	F04	4/29/013
7	I6672880	CJ09	4/29/013	24	I6672897	F05	4/29/013
8	I6672881	CJ10	4/29/013	25	I6672898	F06	4/29/013
9	I6672882	CJ11	4/29/013	26	I6672899	F07	4/29/013
10	I6672883	CJ12	4/29/013	27	I6672900	F08	4/29/013
11	I6672884	CJ13	4/29/013	28	I6672901	F09	4/29/013
12	I6672885	EJ01	4/29/013	29	I6672902	F10	4/29/013
13	I6672886	EJ02	4/29/013	30	I6672903	F11	4/29/013
14	I6672887	EJ03	4/29/013	31	I6672904	F12	4/29/013
15	I6672888	EJ04	4/29/013	32	I6672905	F13	4/29/013
16	I6672889	EJ05	4/29/013	33	I6672906	F14	4/29/013
17	I6672890	EJ06	4/29/013	34	I6672907	F15	4/29/013

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

Truss Design Engineer's Name: Julius Lee

My license renewal date for the state of Florida is February 28, 2015.

NOTE: The seal on these drawings indicate acceptance of professional engineering responsibility solely for the truss components shown. The suitability and use of this component for any particular building is the responsibility of the building designer, per ANSI/TPI-1 Chapter 2.

JULIUS S.K. LEE LICENSE No 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

April 29,2013

Julius Lee

RE: 460382 - ADAMS - DUARTE RES.

Site Information:

Project Customer: Adams Const. Project Name: 460382 Model: Duarte Res.
Lot/Block: Subdivision:
Address: 673 SW Bellflower Drive
City: Columbia Cty State: FL

No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
35	I6672908	F16	4/29/013	78	I6672951	T21	4/29/013
36	I6672909	F17	4/29/013	79	I6672952	T22	4/29/013
37	I6672910	F18	4/29/013	80	I6672953	T23	4/29/013
38	I6672911	F19	4/29/013	81	I6672954	T24	4/29/013
39	I6672912	F20	4/29/013	82	I6672955	T25	4/29/013
40	I6672913	F21	4/29/013	83	I6672956	T26	4/29/013
41	I6672914	F22	4/29/013	84	I6672957	T27	4/29/013
42	I6672915	F23	4/29/013	85	I6672958	T28	4/29/013
43	I6672916	F24	4/29/013	86	I6672959	T29	4/29/013
44	I6672917	F25	4/29/013	87	I6672960	T30	4/29/013
45	I6672918	HJ01	4/29/013	88	I6672961	T31	4/29/013
46	I6672919	HJ02	4/29/013	89	I6672962	T32	4/29/013
47	I6672920	HJ03	4/29/013	90	I6672963	T33	4/29/013
48	I6672921	HJ04	4/29/013	91	I6672964	T34	4/29/013
49	I6672922	HJ05	4/29/013	92	I6672965	T34G	4/29/013
50	I6672923	HJ06	4/29/013	93	I6672966	T35	4/29/013
51	I6672924	KW5	4/29/013	94	I6672967	T36	4/29/013
52	I6672925	KW14	4/29/013	95	I6672968	T37	4/29/013
53	I6672926	KW15	4/29/013	96	I6672969	T38	4/29/013
54	I6672927	KW23	4/29/013	97	I6672970	T39	4/29/013
55	I6672928	PB01	4/29/013	98	I6672971	T39G	4/29/013
56	I6672929	PB02	4/29/013	99	I6672972	T40	4/29/013
57	I6672930	PB03	4/29/013	100	I6672973	T40G	4/29/013
58	I6672931	PB05	4/29/013	101	I6672974	T41	4/29/013
59	I6672932	PB05G	4/29/013	102	I6672975	T42	4/29/013
60	I6672933	T02	4/29/013	103	I6672976	T42G	4/29/013
61	I6672934	T03	4/29/013	104	I6672977	T43	4/29/013
62	I6672935	T04	4/29/013	105	I6672978	T44	4/29/013
63	I6672936	T05	4/29/013	106	I6672979	T45	4/29/013
64	I6672937	T06	4/29/013	107	I6672980	T46	4/29/013
65	I6672938	T07	4/29/013	108	I6672981	T47	4/29/013
66	I6672939	T09	4/29/013	109	I6672982	T48	4/29/013
67	I6672940	T13	4/29/013	110	I6672983	T49	4/29/013
68	I6672941	T13G	4/29/013	111	I6672984	T50	4/29/013
69	I6672942	T15	4/29/013	112	I6672985	T51	4/29/013
70	I6672943	T15G	4/29/013	113	I6672986	T52	4/29/013
71	I6672944	T16	4/29/013	114	I6672987	T53	4/29/013
72	I6672945	T16G	4/29/013	115	I6672988	T54	4/29/013
73	I6672946	T17	4/29/013	116	I6672989	T55	4/29/013
74	I6672947	T18	4/29/013	117	I6672990	T56	4/29/013
75	I6672948	T19	4/29/013	118	I6672991	T57	4/29/013
76	I6672949	T19A	4/29/013	119	I6672992	T58	4/29/013
77	I6672950	T20	4/29/013	120	I6672993	T59	4/29/013

RE: 460382 - ADAMS - DUARTE RES.

Site Information:

Project Customer: Adams Const. Project Name: 460382 Model: Duarte Res.
Lot/Block: Subdivision:
Address: 673 SW Bellflower Drive
City: Columbia Cty State: FL

No.	Seal#	Truss Name	Date
121	I6672994	T60	4/29/013
122	I6672995	T61	4/29/013
123	I6672996	T62	4/29/013
124	I6672997	T63	4/29/013
125	I6672998	T64	4/29/013
126	I6672999	T65	4/29/013
127	I6673000	T66	4/29/013
128	I6673001	T67	4/29/013
129	I6673002	T68	4/29/013
130	I6673003	T69	4/29/013
131	I6673004	T70	4/29/013
132	I6673005	TG01	4/29/013

Job	Truss	Truss Type	Qty	Ply	ADAMS - DUARTE RES.
460382	CJ01	Jack-Open Truss	4	1	I6672874
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

7.350 s Sep 27 2012 MiTek Industries, Inc. Mon Apr 29 11:50:15 2013 Page 1

ID:IK8sRfB21Lwi3zI8BfM2tyyWso0-VwAqFHH3nnOiT1DCgZNYNivRF7Fa699phk3tMjzLsqs

-1-6-8 0-11-8
1-6-8 0-11-8

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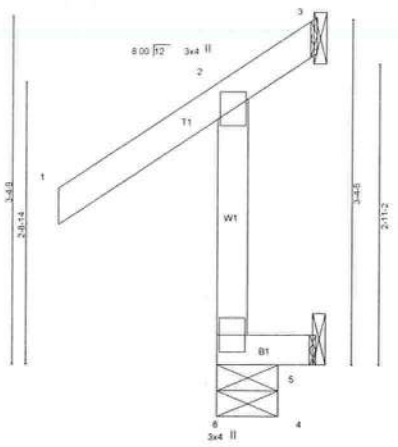

0-11-8
0-1-2

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.46	Vert(LL)	0.00	6	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.18	Vert(TL)	0.00	6	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.04	3	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 10 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 0-11-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 6=174/0-7-2 (min. 0-1-8), 3=-52/Mechanical, 5=-4/Mechanical
Max Horz 6=58(LC 12)
Max Uplift3=-66(LC 23), 5=-94(LC 12)
Max Grav 6=213(LC 2), 5=30(LC 10)

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

NOTES (7-9)
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=28ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 66 lb uplift at joint 3 and 94 lb uplift at joint 5.
6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
8) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
9) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

JULIUS S.K. LEE LICENSE No 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

April 29,2013

Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	ADAMS - DUARTE RES.
460382	CJ03	Jack-Open Truss	4	1	I6672876
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 — 7.350 s Sep 27 2012 MiTek Industries, Inc. Mon Apr 29 11:50:17 2013 Page 1

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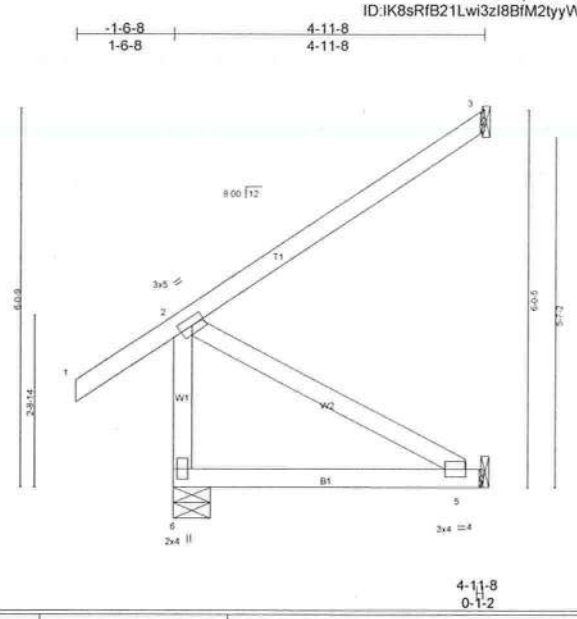


LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.44	Vert(LL)	-0.03	5-6	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.22	Vert(TL)	-0.05	5-6	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.12	Horz(TL)	0.01	3	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 30 lb	FT = 20%

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

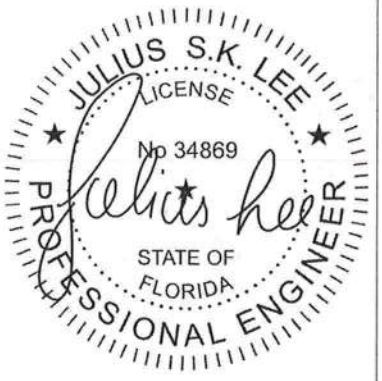
BRACING
TOP CHORD Structural wood sheathing directly applied or 4-11-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 6=216/0-7-2 (min. 0-1-8), 3=91/Mechanical, 4=24/Mechanical
Max Horz 6=139(LC 9)
Max Uplift3=-101(LC 12), 4=-61(LC 12)
Max Grav 6=259(LC 2), 3=124(LC 21), 4=71(LC 3)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-5=-209/259

NOTES (7-9)
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=28ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 101 lb uplift at joint 3 and 61 lb uplift at joint 4.
6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
8) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
9) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard



April 29,2013

Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	ADAMS - DUARTE RES.
460382	CJ06	Jack-Open Truss	2	1	I6672878
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 — 7.350 s Sep 27 2012 MiTek Industries, Inc. Mon Apr 29 11:50:19 2013 Page 1

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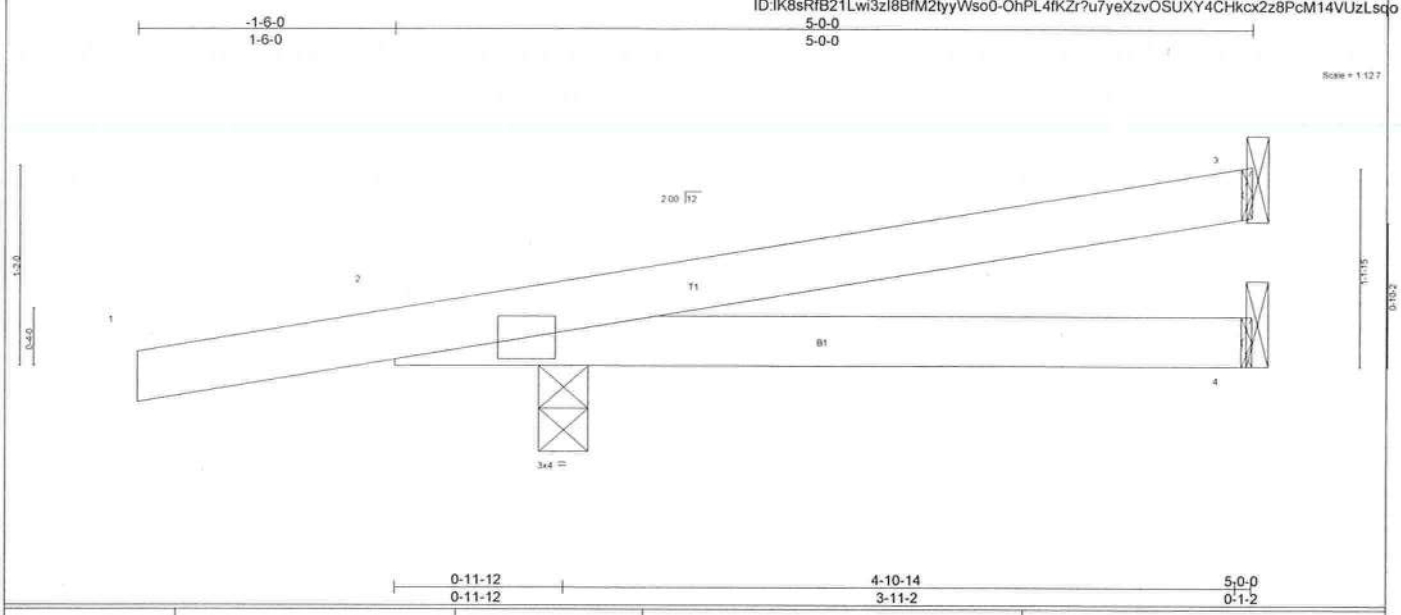

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.14	Vert(LL)	0.03	4-9	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.15	Vert(TL)	0.03	4-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 17 lb	FT = 20%

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

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 3=65/Mechanical, 4=21/Mechanical, 2=247/0-3-8 (min. 0-1-8)
Max Horz 2=45(LC 8)
Max Uplift3=-46(LC 8), 4=-23(LC 9), 2=-207(LC 8)
Max Grav 3=79(LC 2), 4=49(LC 3), 2=296(LC 2)

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

NOTES (7-9)
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=28ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 46 lb uplift at joint 3, 23 lb uplift at joint 4 and 207 lb uplift at joint 2.
6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
8) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
9) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

April 29,201

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design paramenters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI1 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	ADAMS - DUARTE RES.
460382	CJ09	Jack-Open Truss	10	1	I6672880
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

7.350 s Sep 27 2012 MiTek Industries, Inc. Mon Apr 29 11:50:20 2013 Page 1
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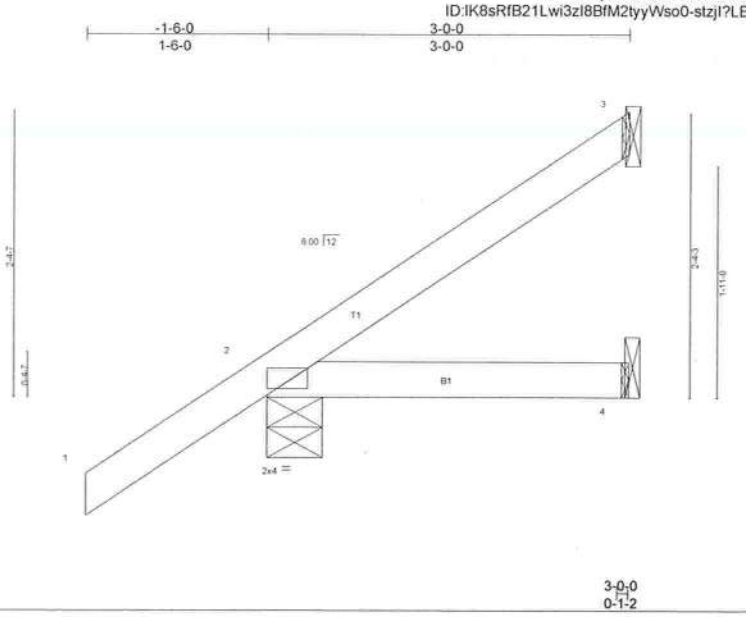


Plate Offsets (X,Y): [2:0-1-9,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.15	Vert(LL)	-0.00	4-7	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.06	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	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 13 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 3=46/Mechanical, 2=165/0-5-8 (min. 0-1-8), 4=14/Mechanical
Max Horz 2=109(LC 12)
Max Uplift3=-49(LC 12), 2=-62(LC 12)
Max Grav 3=62(LC 21), 2=199(LC 2), 4=34(LC 3)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
BOT CHORD 2-4=-65/353

NOTES (7-9)
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=28ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 49 lb uplift at joint 3 and 62 lb uplift at joint 2.
6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
8) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
9) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

April 29,201

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design paramenters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI1 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	ADAMS - DUARTE RES.
460382	CJ11	Jack-Open Truss	6	1	I6672882
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 — 7.350 s Sep 27 2012 MiTek Industries, Inc. Mon Apr 29 11:50:21 2013 Page 1

ID:IK8sRfB21Lwi3zI8BfM2tyyWso0-K4X5VLMpNd8rByhM1pUycz9WeYI1Wtei3gWBZNzLsqm

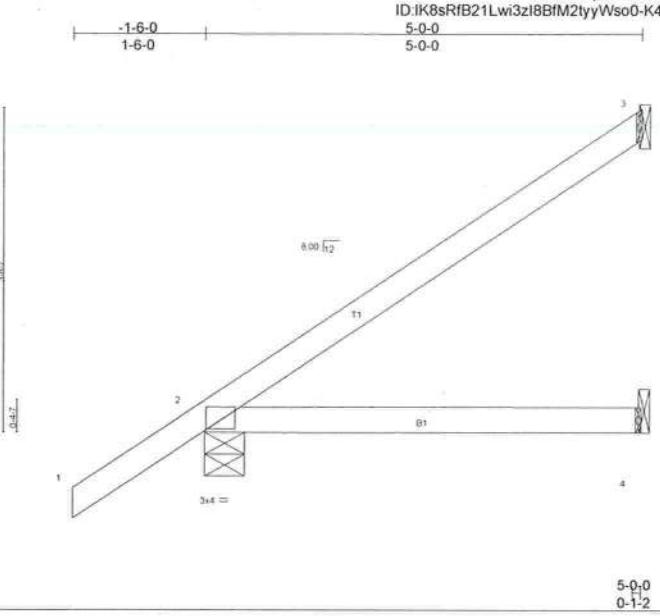


Plate Offsets (X,Y): [2:0-4-3,0-0-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.28	Vert(LL)	-0.02	4-7	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.17	Vert(TL)	-0.03	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00	2	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 19 lb	FT = 20%

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

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

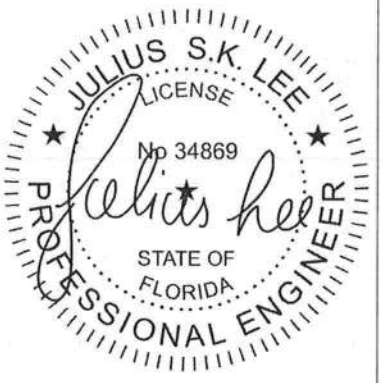
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 3=81/Mechanical, 2=228/0-5-8 (min. 0-1-8), 4=24/Mechanical
Max Horz 2=160(LC 12)
Max Uplift3=-86(LC 12), 2=-76(LC 12)
Max Grav 3=109(LC 21), 2=273(LC 2), 4=57(LC 3)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-480/122
BOT CHORD 2-4=-432/957

NOTES (7-9)
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=28ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 86 lb uplift at joint 3 and 76 lb uplift at joint 2.
6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
8) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
9) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard



April 29,2013

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Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	ADAMS - DUARTE RES.
460382	CJ13	Jack-Open Truss	2	1	I6672884
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 — 7.350 s Sep 27 2012 MiTek Industries, Inc. Mon Apr 29 11:50:22 2013 Page 1

ID:IK8sRfB21Lwi3zI8BfM2tyyWso0-oG5UjgNS8wGip6FYbX?B9AijLygUFKtrIKGk6pzLsd

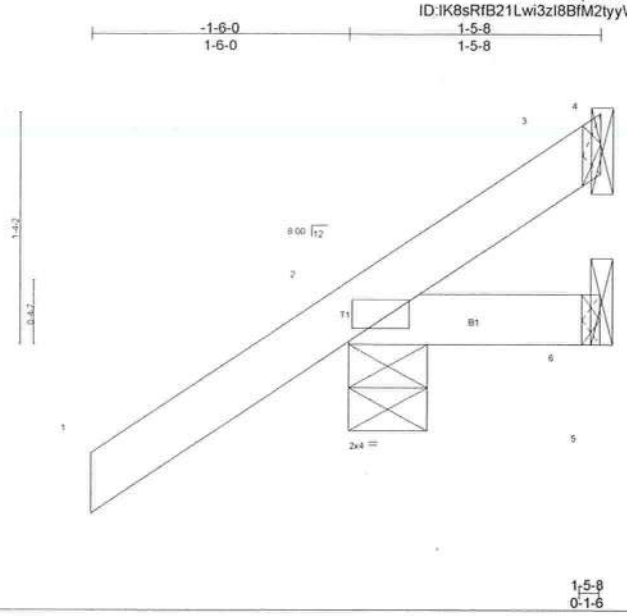

Plate Offsets (X,Y): [2:0-4-4,0-0-14]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.15	Vert(LL)	-0.00	9	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.03	Vert(TL)	-0.00	9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00	2	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 8 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 1-5-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 2=129/0-5-8 (min. 0-1-8), 3=14/Mechanical, 6=-1/Mechanical
Max Horz 2=71(LC 12)
Max Uplift2=-59(LC 12), 3=-21(LC 12), 6=-2(LC 2)
Max Grav 2=157(LC 2), 3=21(LC 21), 6=18(LC 3)

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

NOTES (7-9)
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=28ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 59 lb uplift at joint 2, 21 lb uplift at joint 3 and 2 lb uplift at joint 6.
6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
8) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
9) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

JULIUS S.K. LEE LICENSE No 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

April 29,2013

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.
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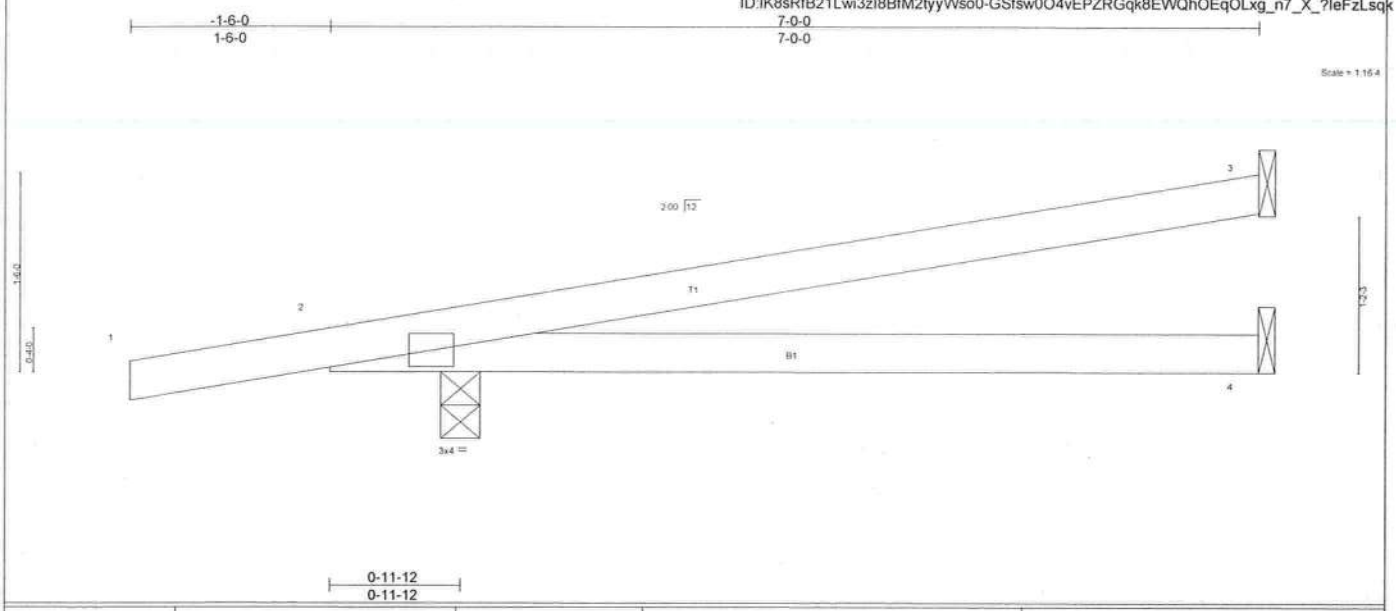
Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	ADAMS - DUARTE RES.
460382	EJ02	Jack-Partial Truss	6	1	I6672886
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 — 7.350 s Sep 27 2012 MiTek Industries, Inc. Mon Apr 29 11:50:23 2013 Page 1

ID:IK8sRfB21Lwi3zI8BfM2tyyWso0-GSfsw0O4vEPZRGqk8EWQhOEqOLxg_n7_X_?leFzLsqk



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.39	Vert(LL)	0.16	4-9	>508	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.35	Vert(TL)	0.13	4-9	>621	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.01	3	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 23 lb	FT = 20%

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

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 3=105/Mechanical, 4=36/Mechanical, 2=299/0-3-8 (min. 0-1-8)
Max Horz 2=41(LC 8)
Max Uplift3=-48(LC 8), 4=-34(LC 8), 2=-179(LC 8)
Max Grav 3=128(LC 2), 4=76(LC 3), 2=358(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-8=-361/615
BOT CHORD 2-9=-586/356

NOTES (7-9)
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=28ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone; cantilever left exposed ; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 48 lb uplift at joint 3, 34 lb uplift at joint 4 and 179 lb uplift at joint 2.
6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
8) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
9) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

JULIUS S.K. LEE LICENSE No 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

April 29,201

WARNING - ***Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.***
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Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	ADAMS - DUARTE RES.
460382	EJ04	Jack-Partial Truss	13	1	I6672888
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

7.350 s Sep 27 2012 MiTek Industries, Inc. Mon Apr 29 11:50:24 2013 Page 1
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1-6-0 | 3-6-11 | 3-5-5

Scale = 1:31.5

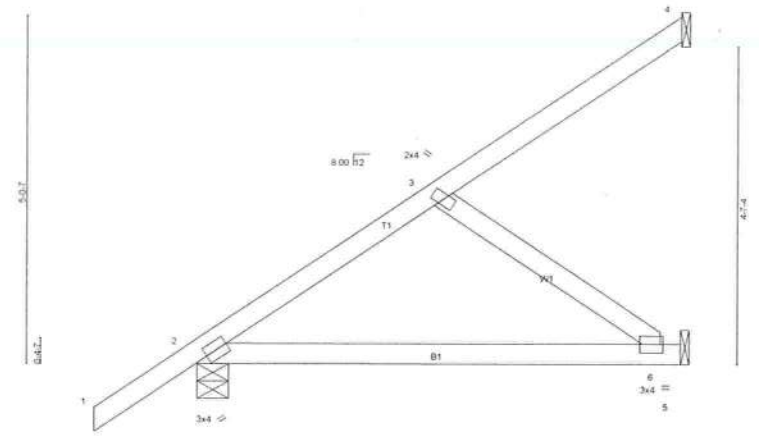


Plate Offsets (X,Y): [2:0-2-0,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.16	Vert(LL)	-0.06	6-9	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.31	Vert(TL)	-0.11	6-9	>788	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.11	Horz(TL)	0.00	5	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 32 lb	FT = 20%

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

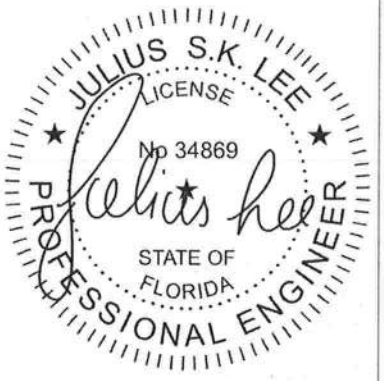
BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 4=62/Mechanical, 2=267/0-5-8 (min. 0-1-8), 5=111/Mechanical
Max Horz 2=146(LC 12)
Max Uplift 4=-43(LC 12), 2=-21(LC 12), 5=-41(LC 12)
Max Grav 4=80(LC 21), 2=319(LC 2), 5=137(LC 21)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-414/0
BOT CHORD 2-6=-78/645
WEBS 3-6=-283/175

NOTES (7-9)
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=28ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 43 lb uplift at joint 4, 21 lb uplift at joint 2 and 41 lb uplift at joint 5.
6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
8) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
9) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard



April 29,2013

Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	ADAMS - DUARTE RES.
460382	EJ06	Half Hip Truss	1	1	I6672890
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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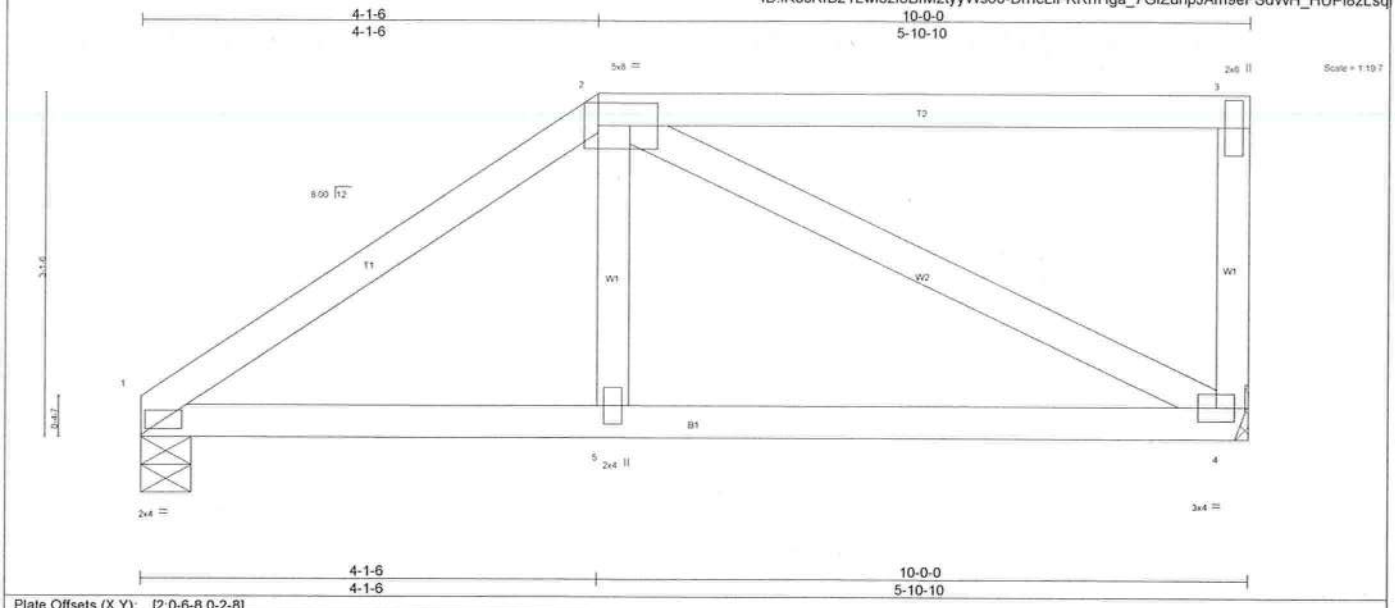

Plate Offsets (X,Y): [2:0-6-8,0-2-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.40	Vert(LL)	-0.03	4-5	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.22	Vert(TL)	-0.05	4-5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.26	Horz(TL)	0.01	4	n/a	n/a		
BCDL	5.0	Code	FBC2010/TPI2007	(Matrix-M)							Weight: 48 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 1=272/0-5-8 (min. 0-1-8), 4=260/Mechanical
Max Horz 1=75(LC 12)
Max Uplift 1=-38(LC 12), 4=-61(LC 9)
Max Grav 1=322(LC 2), 4=308(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-401/171
BOT CHORD 1-5=-345/612, 4-5=-167/330
WEBS 2-4=-333/165

NOTES (9-12)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=28ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 38 lb uplift at joint 1 and 61 lb uplift at joint 4.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
10) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
11) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435
12) Use Simpson HTU26 to attach Truss to Carrying member

LOAD CASE(S) Standard

JULIUS S.K. LEE LICENSE No 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

April 29,201

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Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	ADAMS - DUARTE RES.
460382	EJ08	Jack-Open Truss	4	1	I6672892
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 — 7.350 s Sep 27 2012 MiTek Industries, Inc. Mon Apr 29 11:50:26 2013 Page 1

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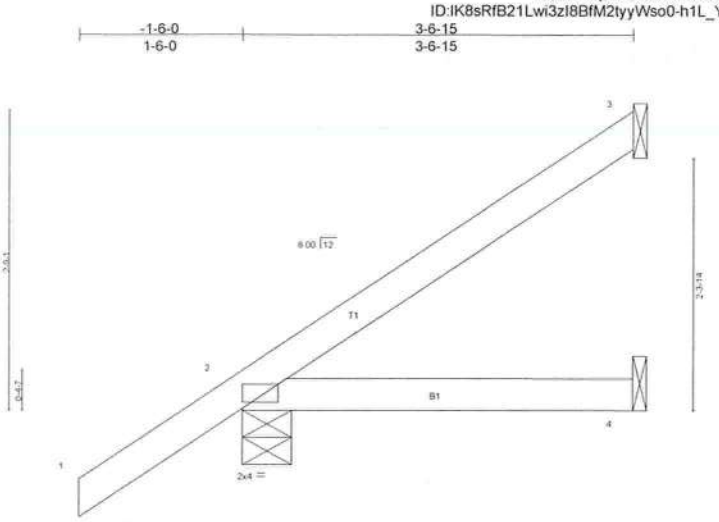

Plate Offsets (X,Y): [2:0-1-9,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.15	Vert(LL)	-0.01	4-7	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.08	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	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 15 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-6-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 3=56/Mechanical, 2=183/0-5-8 (min. 0-1-8), 4=17/Mechanical
Max Horz 2=124(LC 12)
Max Uplift3=-60(LC 12), 2=-65(LC 12)
Max Grav 3=76(LC 21), 2=220(LC 2), 4=41(LC 3)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-258/4
BOT CHORD 2-4=-148/491

NOTES (7-9)
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=28ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 60 lb uplift at joint 3 and 65 lb uplift at joint 2.
6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
8) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
9) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

JULIUS S.K. LEE LICENSE No 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

April 29,201

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI1 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	ADAMS - DUARTE RES.
460382	F02	Floor Truss	2	1	I6672894
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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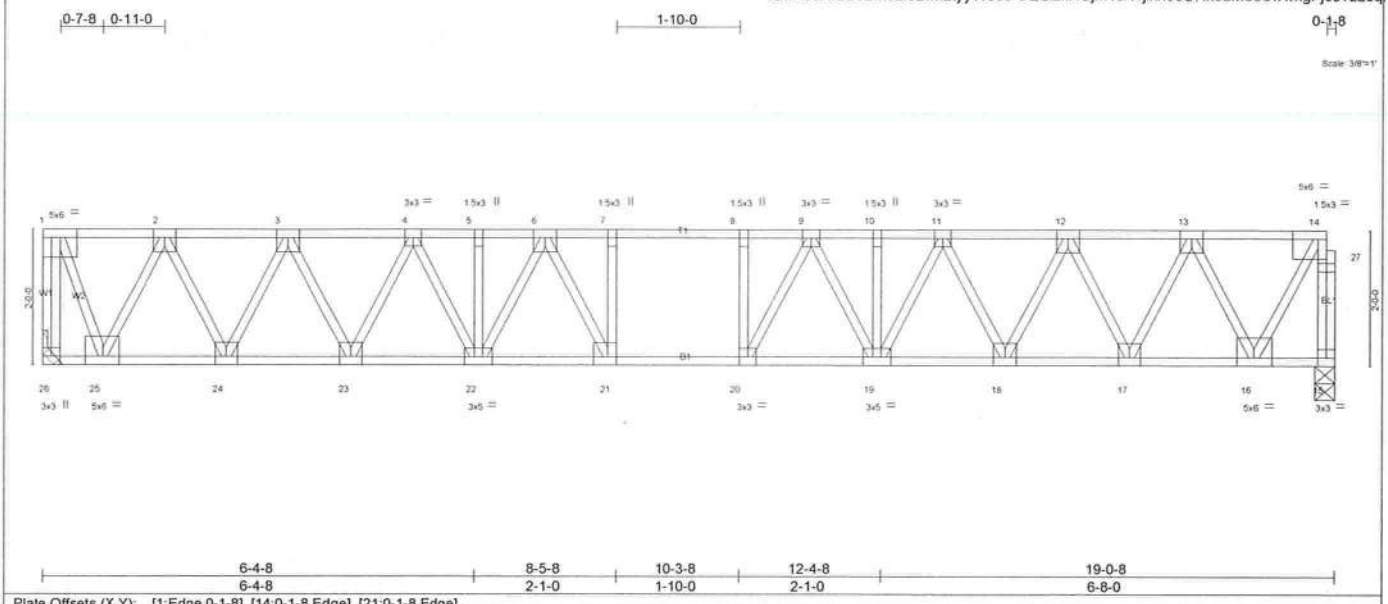


Plate Offsets (X,Y): [1:Edge,0-1-8], [14:0-1-8,Edge], [21:0-1-8,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plates Increase	1.00	TC	0.68	Vert(LL)	-0.14	19-20	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.00	BC	0.40	Vert(TL)	-0.21	19-20	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.54	Horz(TL)	0.04	15	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix)							Weight: 130 lb	FT = 2%F, 11%E

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

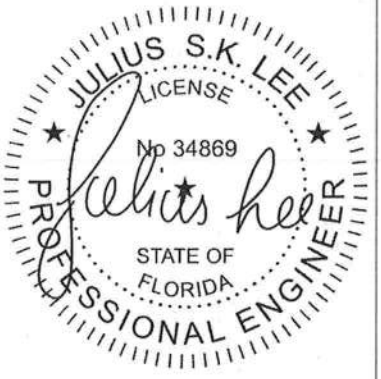
BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 26=1034/Mechanical, 15=1027/0-3-8 (min. 0-1-8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-26=-1026/0, 15-27=-1022/0, 14-27=-1021/0, 1-2=-384/0, 2-3=-1221/0, 3-4=-1852/0, 4-5=-2309/0, 5-6=-2309/0, 6-7=-2572/0, 7-8=-2572/0, 8-9=-2572/0, 9-10=-2361/0, 10-11=-2361/0, 11-12=-1934/0, 12-13=-1336/0, 13-14=-527/0
BOT CHORD 24-25=0/850, 23-24=0/1582, 22-23=0/2112, 21-22=0/2458, 20-21=0/2572, 19-20=0/2491, 18-19=0/2180, 17-18=0/1679, 16-17=0/983
WEBS 14-16=0/1066, 1-25=0/1034, 13-16=-1038/0, 2-25=-1061/0, 13-17=0/803, 2-24=0/845, 12-17=-781/0, 3-24=-821/0, 12-18=0/580, 3-23=0/614, 11-18=-561/0, 4-23=-593/0, 11-19=0/391, 4-22=0/426, 9-19=-343/0, 6-22=-371/0, 9-20=-145/481, 6-21=-98/528, 7-21=-319/0, 8-20=-294/18

NOTES (7-10)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 4x4 MT20 unless otherwise indicated.
3) Bearings are assumed to be: , Joint 15 SYP No.2 crushing capacity of 565 psi.
4) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
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.
7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
8) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
9) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435
10) Use Simpson THA426 to attach Truss to Carrying member

LOAD CASE(S) Standard



April 29,2013

Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	ADAMS - DUARTE RES.
460382	F04	Floor Truss	5	1	I6672896
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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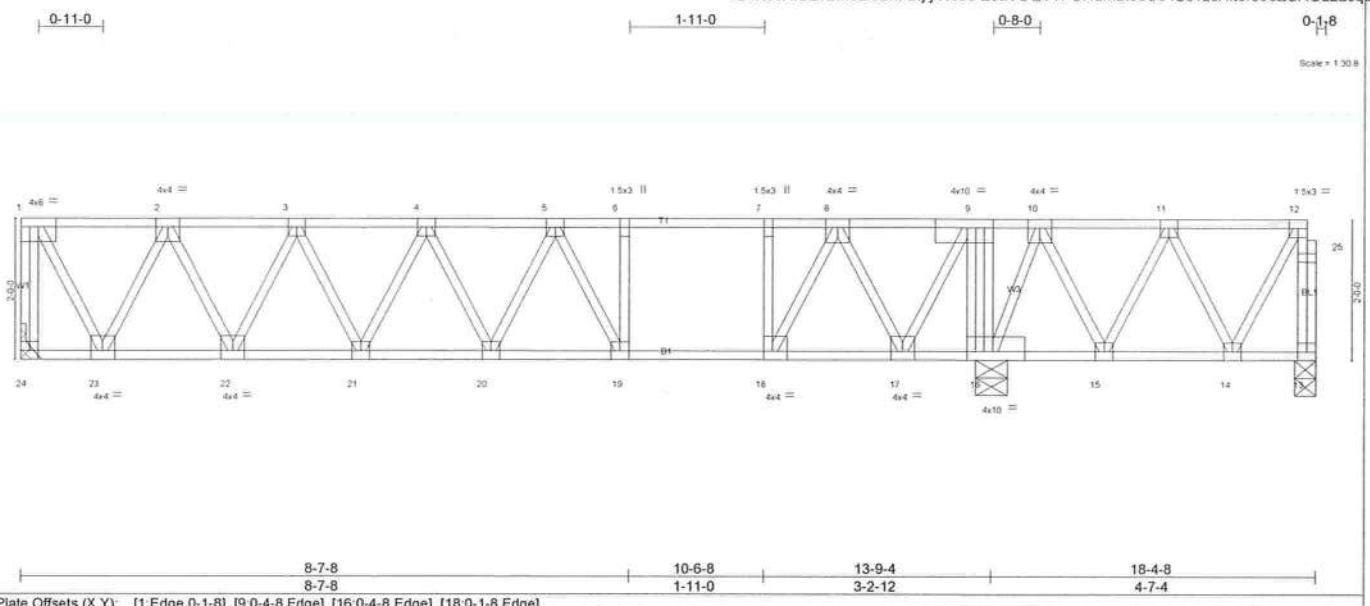


Plate Offsets (X,Y): [1:Edge,0-1-8], [9:0-4-8,Edge], [16:0-4-8,Edge], [18:0-1-8,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plates Increase	1.00	TC	0.61	Vert(LL)	-0.13	19-20	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.00	BC	0.45	Vert(TL)	-0.21	19-20	>786	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.42	Horz(TL)	0.02	13	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix)							Weight: 127 lb	FT = 2%F, 11%E

LUMBER
TOP CHORD 2x4 SYP No.1(flat)
BOT CHORD 2x4 SYP M 31(flat)
WEBS 2x4 SP No.3(flat)

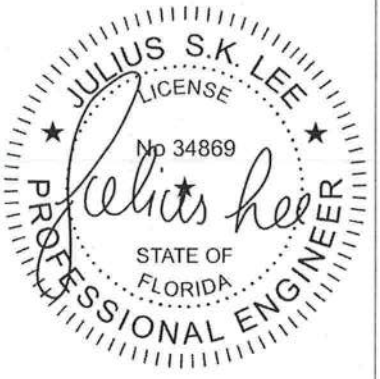
BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 24=805/Mechanical, 13=428/0-3-8 (min. 0-1-8), 16=755/0-5-8 (min. 0-1-8)
Max Grav 24=807(LC 3), 13=481(LC 7), 16=782(LC 8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-24=-801/0, 13-25=-477/0, 12-25=-477/0, 1-2=-401/0, 2-3=-990/0, 3-4=-1362/0, 4-5=-1569/0, 5-6=-1429/0, 6-7=-1429/0, 7-8=-1429/0, 8-9=-808/0, 9-10=-586/0, 10-11=-495/0
BOT CHORD 22-23=0/748, 21-22=0/1219, 20-21=0/1508, 19-20=0/1575, 18-19=0/1429, 17-18=0/1096, 16-17=0/602, 15-16=0/572, 14-15=0/414
WEBS 7-18=-437/0, 9-16=-699/0, 1-23=0/826, 2-23=-791/0, 2-22=0/551, 3-22=-522/0, 3-21=0/325, 4-21=-333/0, 9-17=0/587, 8-17=-683/0, 8-18=0/726, 12-14=0/453, 11-14=-429/0, 5-19=-341/0

NOTES (7-10)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x3 MT20 unless otherwise indicated.
3) Bearings are assumed to be: Joint 24 SYP No.2 crushing capacity of 565 psi, Joint 13 SYP No.2 crushing capacity of 565 psi.
4) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
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.
7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
8) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
9) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435
10) Use Simpson THA426 to attach Truss to Carrying member

LOAD CASE(S) Standard



April 29,2013

Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	ADAMS - DUARTE RES. I6672898
460382	F06	Floor Truss	6	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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ID:IK8sRfB21Lwi3zI8BfM2tyyWso0-Sap0EnWzJcn?FyAsI2D0eiBgXnb_2Yvc2BANX7zLsqZ

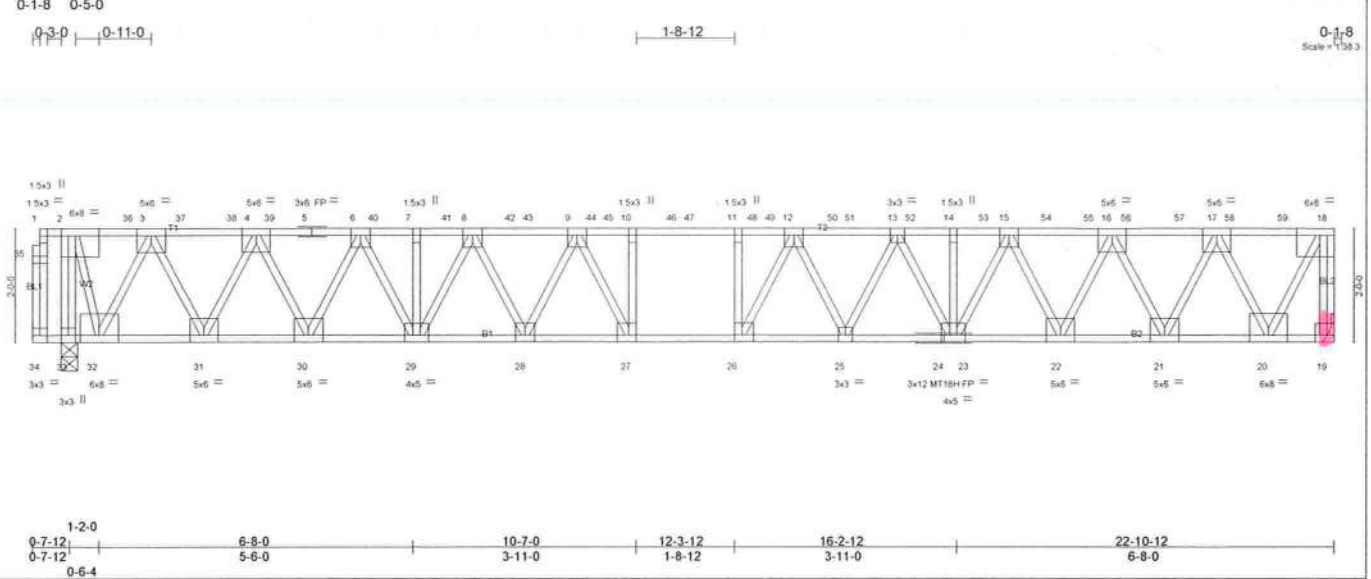


Plate Offsets (X,Y): [2:0-3-0,Edge], [18:0-3-0,Edge], [19:Edge,0-1-8], [26:0-1-8,Edge], [27:0-1-8,Edge]

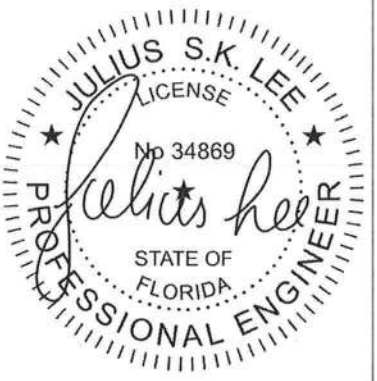
LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	60.0	Plates Increase	1.00	TC	0.52	Vert(LL)	-0.31	26	>867	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.00	BC	0.76	Vert(TL)	-0.42	26	>633	240	MT18H	244/190
BCLL	0.0	Rep Stress Incr	NO	WB	0.89	Horz(TL)	0.09	19	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix)							Weight: 158 lb	FT = 2%F, 11%E

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 31-32.

REACTIONS (lb/size) 19=1640/Mechanical, 33=2767/0-3-8 (min. 0-1-8)
Max Grav 19=1657(LC 4), 33=2767(LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 34-35=-596/0, 1-35=-596/0, 18-19=-1649/0, 2-36=-408/103, 3-36=-408/103, 3-37=-1823/0, 37-38=-1823/0, 4-38=-1823/0, 4-39=-2963/0, 5-39=-2963/0, 5-6=-2963/0, 6-40=-3877/0, 7-40=-3877/0, 7-41=-3877/0, 8-41=-3877/0, 8-42=-4472/0, 42-43=-4472/0, 9-43=-4472/0, 9-44=-4851/0, 44-45=-4851/0, 10-45=-4851/0, 10-46=-4851/0, 46-47=-4851/0, 11-47=-4851/0, 11-48=-4851/0, 48-49=-4851/0, 12-49=-4851/0, 12-50=-4603/0, 50-51=-4603/0, 13-51=-4603/0, 13-52=-4085/0, 14-52=-4085/0, 14-53=-4085/0, 15-53=-4085/0, 15-54=-3257/0, 54-55=-3257/0, 16-55=-3257/0, 16-56=-2200/0, 56-57=-2200/0, 17-57=-2200/0, 17-58=-854/0, 58-59=-854/0, 18-59=-854/0
BOT CHORD 31-32=-17/1169, 30-31=0/2460, 29-30=0/3460, 28-29=0/4245, 27-28=0/4696, 26-27=0/4851, 25-26=0/4779, 24-25=0/4411, 23-24=0/4411, 22-23=0/3714, 21-22=0/2790, 20-21=0/1601
WEBS 10-27=-563/163, 11-26=-475/202, 2-33=-1582/0, 6-29=0/924, 8-29=-812/0, 18-20=0/1759, 17-20=-1700/0, 17-21=0/1365, 16-21=-1342/0, 16-22=0/1063, 13-23=-705/0, 8-28=0/535, 9-28=-632/36, 9-27=-292/904, 13-25=-10/466, 12-25=-536/76, 12-26=-448/749, 15-22=-1042/0, 15-23=0/801, 6-30=-1144/0, 4-30=0/1152, 4-31=-1492/0, 3-31=0/1554, 3-32=-1733/0, 2-32=-442/1454



NOTES (9-12)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) All plates are 4x4 MT20 unless otherwise indicated.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565 psi.
5) This truss has been designed to carry a concentrated load of 500.0lb over a space 2-6-0 square, anywhere on the top chord.
6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
7) 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.
8) CAUTION, Do not erect truss backwards.
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
10) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
11) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435
12) Use Simpson THA426 to attach Truss to Carrying member

LOAD CASE(S) Standard

Continued on page 2

April 29,201

Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	ADAMS - DUARTE RES.
460382	F07	Floor Truss	2	1	I6672899
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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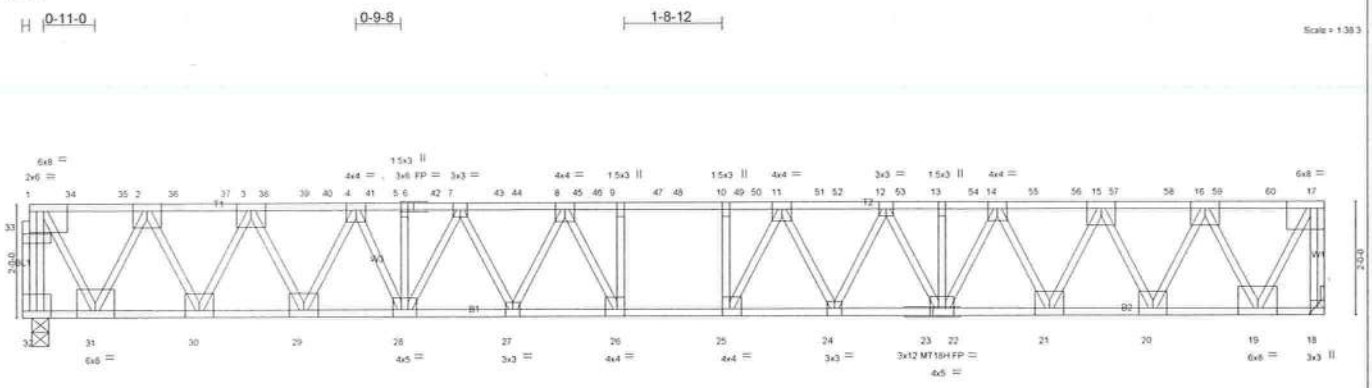
0-1-8



0-3-12	6-8-0	10-7-0	12-3-12	16-2-12	22-10-12
0-3-12	6-4-4	3-11-0	1-8-12	3-11-0	6-8-0

Plate Offsets (X,Y): [1:Edge,0-1-8], [17:0-3-0,Edge], [25:0-1-8,Edge], [26:0-1-8,Edge], [32:Edge,0-1-8], [33:0-1-8,0-0-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	60.0	Plates Increase	1.00	TC	0.79	Vert(LL)	-0.32	25-26	>839	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.00	BC	0.74	Vert(TL)	-0.44	25-26	>610	240	MT18H	244/190
BCLL	0.0	Rep Stress Incr	NO	WB	0.92	Horz(TL)	0.10	18	n/a	n/a		
BCDL	5.0	Code	FBC2010/TPI2007	(Matrix)							Weight: 156 lb	FT = 2%F, 11%E

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

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

REACTIONS (lb/size) 32=2701/0-3-8 (min. 0-1-8), 18=1697/Mechanical

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 32-33=-2693/0, 1-33=-2622/0, 17-18=-1689/0, 1-34=-958/0, 34-35=-958/0, 2-35=-958/0, 2-36=-2328/0, 36-37=-2328/0, 3-37=-2328/0, 3-38=-3408/0, 38-39=-3408/0, 39-40=-3408/0, 4-40=-3408/0, 4-41=-4214/0, 5-41=-4214/0, 5-6=-4214/0, 6-42=-4214/0, 7-42=-4214/0, 7-43=-4775/0, 43-44=-4775/0, 8-44=-4775/0, 8-45=-5091/0, 45-46=-5091/0, 9-46=-5091/0, 9-47=-5091/0, 47-48=-5091/0, 10-48=-5091/0, 10-49=-5091/0, 49-50=-5091/0, 11-50=-5091/0, 11-51=-4780/0, 51-52=-4780/0, 12-52=-4780/0, 12-53=-4225/0, 13-53=-4225/0, 13-54=-4225/0, 14-54=-4225/0, 14-55=-3356/0, 55-56=-3356/0, 15-56=-3356/0, 15-57=-2261/0, 57-58=-2261/0, 16-58=-2261/0, 16-59=-876/0, 59-60=-876/0, 17-60=-876/0
BOT CHORD 30-31=0/1717, 29-30=0/2930, 28-29=0/3879, 27-28=0/4564, 26-27=0/4976, 25-26=0/5091, 24-25=0/4980, 23-24=0/4572, 22-23=0/4572, 21-22=0/3834, 20-21=0/2870, 19-20=0/1642
WEBS 1-31=0/1788, 2-31=-1728/0, 2-30=0/1393, 3-30=-1369/0, 3-29=0/1090, 4-29=-1071/0, 4-28=0/810, 7-28=-756/0, 12-22=-748/0, 7-27=-11/501, 12-24=0/499, 8-27=-584/76, 11-24=-581/58, 8-26=-365/828, 11-25=-371/822, 9-26=-519/182, 10-25=-516/185, 17-19=0/1805, 16-19=-1744/0, 16-20=0/1409, 15-20=-1386/0, 15-21=0/1107, 14-21=-1087/0, 14-22=0/846

NOTES (8-11)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) All plates are 5x6 MT20 unless otherwise indicated.
4) This truss has been designed to carry a concentrated load of 500.0lb over a space 2-6-0 square, anywhere on the top chord.
5) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
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) CAUTION, Do not erect truss backwards.
8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
9) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
10) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435
11) Use Simpson THA426 to attach Truss to Carrying member

LOAD CASE(S) Standard
1) Floor: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 18-32=-10, 1-17=-140

Continued on page 2

JULIUS S.K. LEE LICENSE No 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

April 29,201

Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	ADAMS - DUARTE RES.
460382	F08	Floor Truss	1	1	I6672900
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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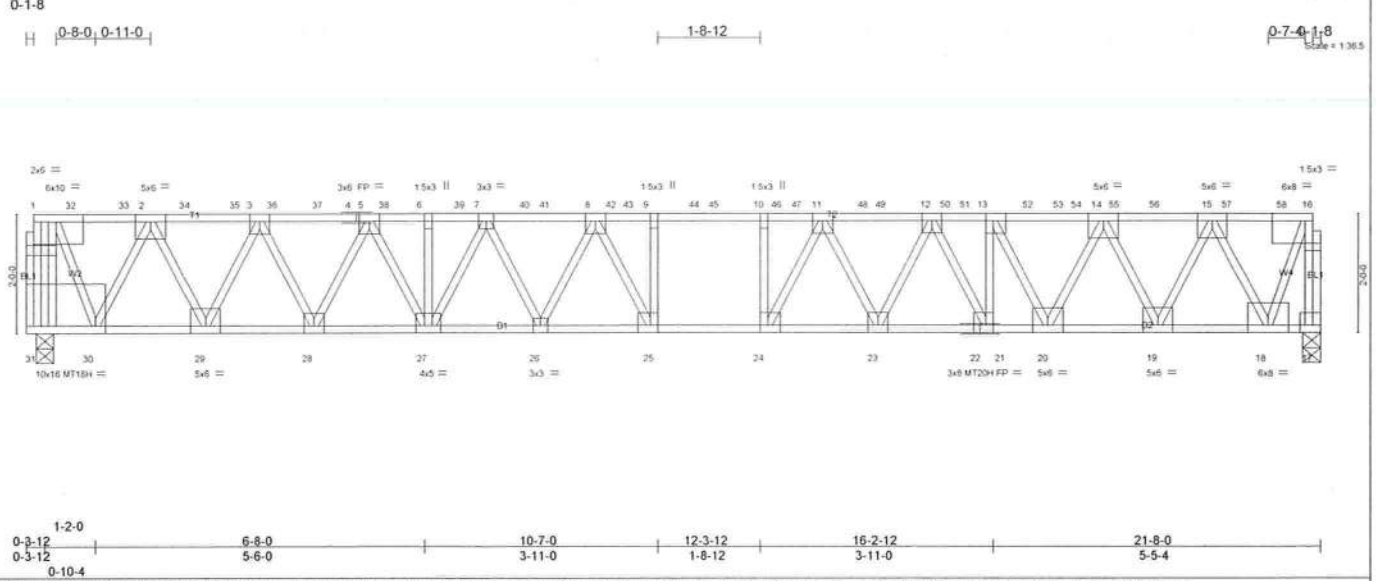

Plate Offsets (X,Y): [1:0-1-8,0-0-0], [1:Edge,0-1-8], [13:0-1-8,Edge], [16:0-1-8,0-0-8], [16:0-1-8,Edge], [17:Edge,0-1-8], [21:0-1-8,Edge], [24:0-1-8,Edge], [25:0-1-8,Edge], [31:0-2-0,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	60.0	Plates Increase	1.00	TC	0.53	Vert(LL)	-0.29	25-26	>882	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.00	BC	0.77	Vert(TL)	-0.40	25-26	>641	240	MT20H	187/143
BCLL	0.0	Rep Stress Incr	NO	WB	0.82	Horz(TL)	0.09	17	n/a	n/a	MT18H	244/190
BCDL	5.0	Code FBC2010/TPI2007		(Matrix)							Weight: 151 lb	FT = 2%F, 11%E

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

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

REACTIONS (lb/size) 31=5220/0-3-8 (min. 0-1-14), 17=1612/0-3-8 (min. 0-1-8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-31=-5214/0, 16-17=-1601/0, 1-32=-917/0, 32-33=-914/0, 2-33=-908/0, 2-34=-2181/0, 34-35=-2181/0, 3-35=-2181/0, 3-36=-3183/0, 36-37=-3183/0, 4-37=-3183/0, 4-5=-3183/0, 5-38=-3954/0, 6-38=-3954/0, 6-39=-3954/0, 7-39=-3954/0, 7-40=-4419/0, 40-41=-4419/0, 8-41=-4419/0, 8-42=-4579/0, 42-43=-4579/0, 9-43=-4579/0, 9-44=-4579/0, 44-45=-4579/0, 10-45=-4579/0, 10-46=-4579/0, 46-47=-4579/0, 11-47=-4579/0, 11-48=-4109/0, 48-49=-4109/0, 12-49=-4109/0, 12-50=-3477/0, 50-51=-3477/0, 13-51=-3477/0, 13-52=-2990/0, 52-53=-2990/0, 53-54=-2990/0, 14-54=-2990/0, 14-55=-1930/0, 55-56=-1930/0, 15-56=-1930/0, 15-57=-587/0, 57-58=-587/0, 16-58=-587/0
BOT CHORD 29-30=0/1607, 28-29=0/2744, 27-28=0/3612, 26-27=0/4251, 25-26=0/4562, 24-25=0/4579, 23-24=0/4370, 22-23=0/3853, 21-22=0/3853, 20-21=0/3477, 19-20=0/2526, 18-19=0/1324
WEBS 13-21=0/734, 1-30=0/1604, 2-30=-1581/0, 2-29=0/1307, 3-29=-1283/0, 3-28=0/999, 5-28=-977/0, 5-27=0/737, 7-27=-643/0, 12-21=-813/0, 7-26=-20/427, 12-23=0/583, 8-26=-482/91, 11-23=-649/14, 8-25=-471/661, 11-24=-229/925, 9-25=-425/217, 10-24=-574/144, 16-18=0/1619, 15-18=-1678/0, 15-19=0/1380, 14-19=-1356/0, 14-20=0/1058, 13-20=-1051/0

NOTES (8-10)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) All plates are 4x4 MT20 unless otherwise indicated.
4) Bearings are assumed to be: , Joint 17 SYP No.2 crushing capacity of 565 psi.
5) This truss has been designed to carry a concentrated load of 500.0lb over a space 2-6-0 square, anywhere on the top chord.
6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
7) 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.
8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
9) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
10) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard
1) Floor: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 17-31=-10, 1-16=-140

Continued on page 2

JULIUS S.K. LEE LICENSE No 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

April 29,201

Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	ADAMS - DUARTE RES.
460382	F09	Floor Truss	1	1	I6672901
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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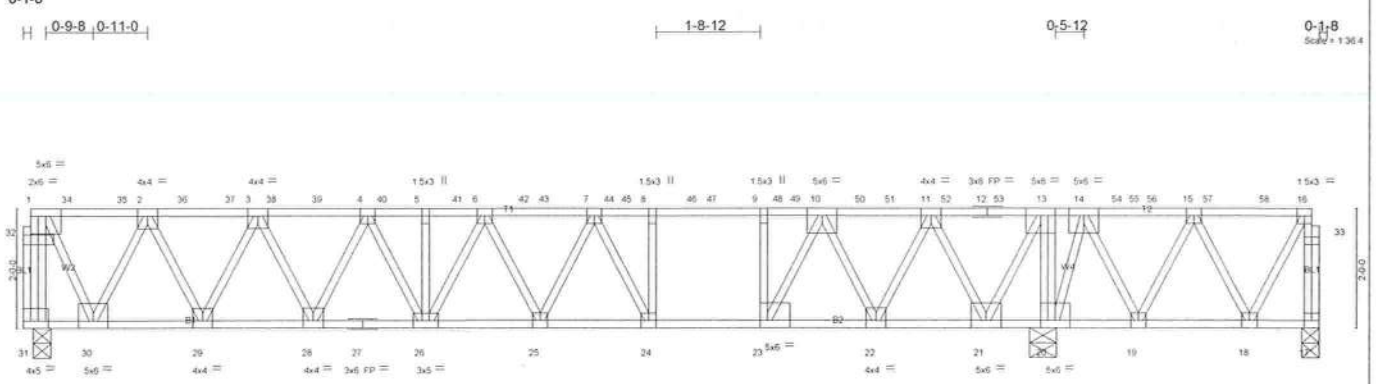


0-3-12	6-8-0	10-7-0	12-3-12	17-1-12	18-8-0	21-8-0
0-3-12	6-4-4	3-11-0	1-8-12	4-10-0	1-6-4	3-0-0

Plate Offsets (X,Y): [23:0-1-8,Edge], [31:Edge,0-1-8], [32:0-1-8,0-1-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	60.0	Plates Increase	1.00	TC	0.72	Vert(LL)	-0.26	24-25	>792	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.00	BC	0.84	Vert(TL)	-0.35	24-25	>577	240		
BCLL	0.0	Rep Stress Incr	NO	WB	0.69	Horz(TL)	0.04	20	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix)							Weight: 151 lb	FT = 2%F, 11%E

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

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

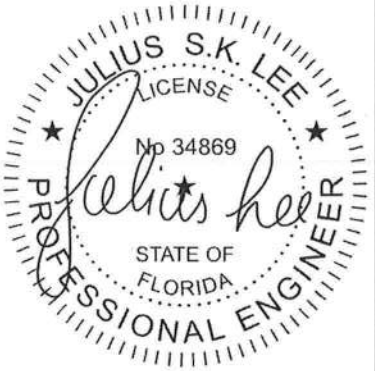
REACTIONS (lb/size) 31=1761/0-3-8 (min. 0-1-8), 17=139/0-3-8 (min. 0-1-8), 20=1839/0-5-8 (min. 0-1-8)
Max Uplift 17=-158(LC 19)
Max Grav 31=1763(LC 3), 17=317(LC 7), 20=1839(LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 31-32=-1760/0, 1-32=-1726/0, 17-33=-313/160, 16-33=-313/160, 1-34=-655/0, 34-35=-655/0, 2-35=-655/0, 2-36=-1578/0, 36-37=-1578/0, 3-37=-1578/0, 3-38=-2219/0, 38-39=-2219/0, 4-39=-2219/0, 4-40=-2609/0, 5-40=-2609/0, 5-41=-2609/0, 6-41=-2609/0, 6-42=-2728/0, 42-43=-2728/0, 7-43=-2728/0, 7-44=-2302/0, 44-45=-2302/0, 8-45=-2302/0, 8-46=-2302/0, 46-47=-2302/0, 9-47=-2302/0, 9-48=-2302/0, 48-49=-2302/0, 10-49=-2302/0, 10-50=-1249/0, 50-51=-1249/0, 11-51=-1249/0, 11-52=-429/188, 12-52=-429/188, 12-53=-429/188, 13-53=-429/188, 13-14=-64/582, 14-54=-158/307, 54-55=-158/307, 55-56=-158/307, 15-56=-158/307
BOT CHORD 29-30=0/1187, 28-29=0/1961, 27-28=0/2463, 26-27=0/2463, 25-26=0/2717, 24-25=0/2655, 23-24=0/2302, 22-23=0/1720, 21-22=0/844, 20-21=-582/64, 19-20=-426/98
WEBS 8-24=-42/418, 9-23=-785/0, 13-20=-1377/0, 7-24=-841/0, 6-26=-322/90, 13-21=0/1365, 11-21=-1280/0, 11-22=0/925, 10-22=-1076/0, 15-19=-413/15, 14-19=0/418, 4-26=-92/314, 4-28=-555/0, 3-28=0/588, 3-29=-872/0, 2-29=0/891, 2-30=-1211/0, 1-30=0/1226, 14-20=-531/0, 10-23=0/1297

NOTES (9-11)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x3 MT20 unless otherwise indicated.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565 psi.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 158 lb uplift at joint 17.
5) This truss has been designed to carry a concentrated load of 500.0lb over a space 2-6-0 square, anywhere on the top chord.
6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
7) 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.
8) CAUTION, Do not erect truss backwards.
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
10) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
11) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

Continued on page 2



April 29,201

Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	ADAMS - DUARTE RES.	I6672902
460382	F10	Floor Truss	9	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055

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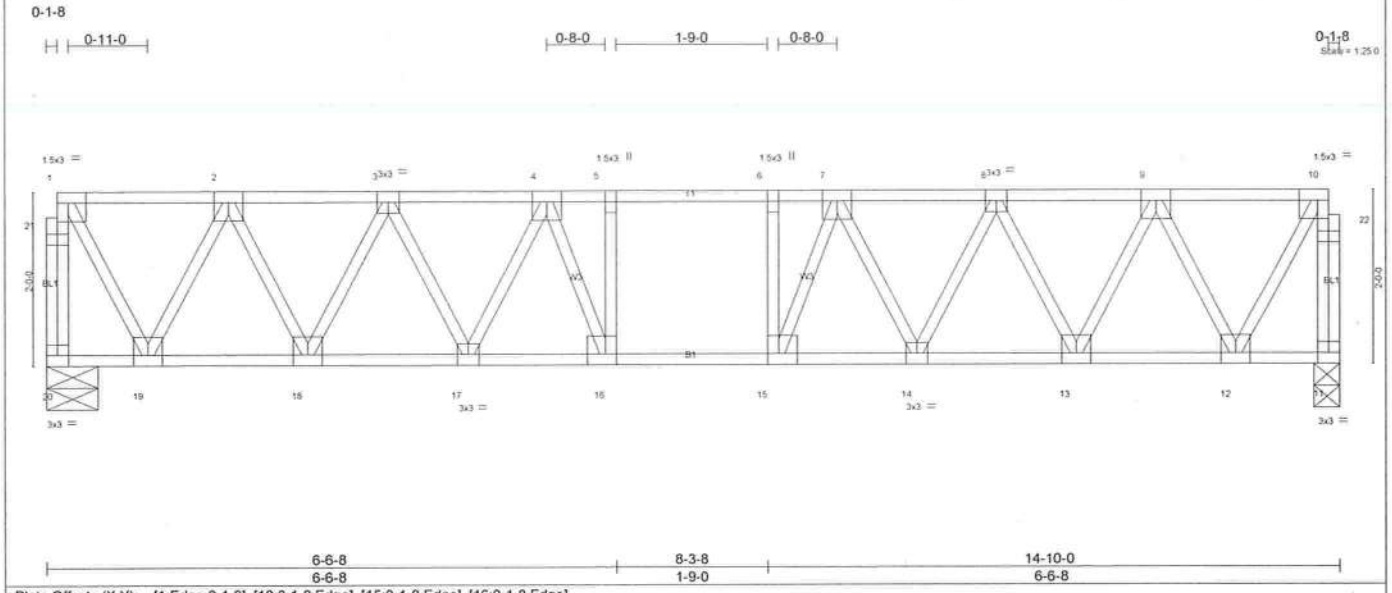

Plate Offsets (X,Y): [1:Edge,0-1-8], [10:0-1-8,Edge], [15:0-1-8,Edge], [16:0-1-8,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plates Increase	1.00	TC	0.48	Vert(LL)	-0.07	14-15	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.00	BC	0.59	Vert(TL)	-0.10	14-15	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.41	Horz(TL)	0.03	11	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix)							Weight: 100 lb	FT = 2%F, 11%E

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

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

REACTIONS (lb/size) 20=796/0-7-2 (min. 0-1-8), 11=796/0-3-8 (min. 0-1-8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 20-21=-791/0, 1-21=-791/0, 11-22=-791/0, 10-22=-791/0, 1-2=-399/0, 2-3=-982/0, 3-4=-1353/0, 4-5=-1544/0, 5-6=-1544/0, 6-7=-1544/0, 7-8=-1353/0, 8-9=-982/0, 9-10=-399/0
BOT CHORD 18-19=0/742, 17-18=0/1212, 16-17=0/1485, 15-16=0/1544, 14-15=0/1485, 13-14=0/1212, 12-13=0/742
WEBS 10-12=0/806, 1-19=0/806, 9-12=-780/0, 2-19=-780/0, 9-13=0/546, 2-18=0/546, 8-13=-524/0, 3-18=-524/0, 8-14=0/320, 3-17=0/320, 7-14=-311/0, 4-17=-311/0, 7-15=-92/411, 4-16=-92/411, 5-16=-288/25, 6-15=-288/25

NOTES (6-8)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 4x4 MT20 unless otherwise indicated.
3) Bearings are assumed to be: , Joint 11 SYP No.2 crushing capacity of 565 psi.
4) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
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) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
7) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
8) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

April 29,201

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design paramenters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI1 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	ADAMS - DUARTE RES.
460382	F12	Floor Truss	1	1	I6672904
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

7.350 s Sep 27 2012 MiTek Industries, Inc. Mon Apr 29 11:50:44 2013 Page 1

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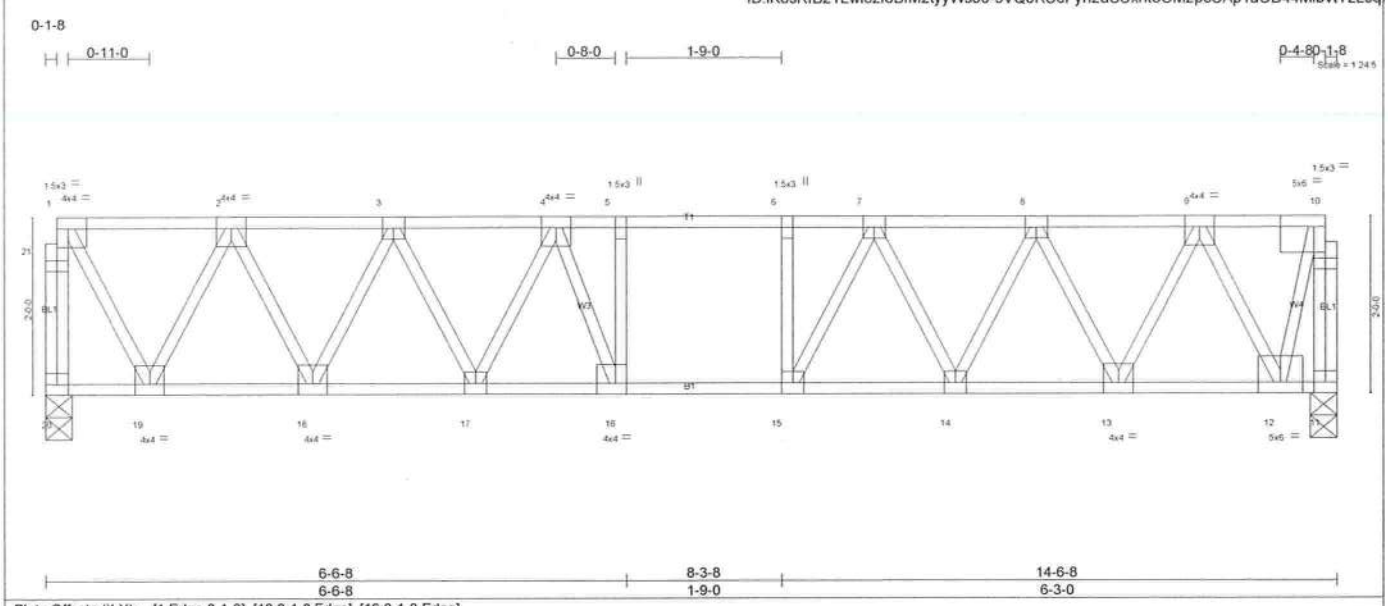

Plate Offsets (X,Y): [1:Edge,0-1-8], [10:0-1-8,Edge], [16:0-1-8,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plates Increase	1.00	TC	0.51	Vert(LL)	-0.08	16-17	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.00	BC	0.61	Vert(TL)	-0.11	16-17	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.40	Horz(TL)	0.03	11	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix)							Weight: 99 lb	FT = 2%F, 11%E

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

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

REACTIONS (lb/size) 20=780/0-3-8 (min. 0-1-8), 11=786/0-3-8 (min. 0-1-8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 20-21=-775/0, 1-21=-775/0, 10-11=-776/0, 1-2=-391/0, 2-3=-957/0, 3-4=-1314/0, 4-5=-1482/0, 5-6=-1482/0, 6-7=-1482/0, 7-8=-1226/0, 8-9=-812/0
BOT CHORD 18-19=0/725, 17-18=0/1180, 16-17=0/1436, 15-16=0/1482, 14-15=0/1380, 13-14=0/1067, 12-13=0/545
WEBS 10-12=0/747, 1-19=0/788, 9-12=-803/0, 2-19=-762/0, 9-13=0/607, 2-18=0/528, 8-13=-580/0, 3-18=-508/0, 8-14=0/363, 3-17=0/305, 7-14=-349/0, 4-17=-292/0, 7-15=-20/415, 4-16=-114/383, 5-16=-270/38, 6-15=-269/0

NOTES (6-8)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x3 MT20 unless otherwise indicated.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565 psi.
4) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
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) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
7) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
8) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

April 29,201

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design paramenters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI1 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	ADAMS - DUARTE RES.
460382	F14	Floor Truss	1	1	I6672906
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 — 7.350 s Sep 27 2012 MiTek Industries, Inc. Mon Apr 29 11:50:46 2013 Page 1

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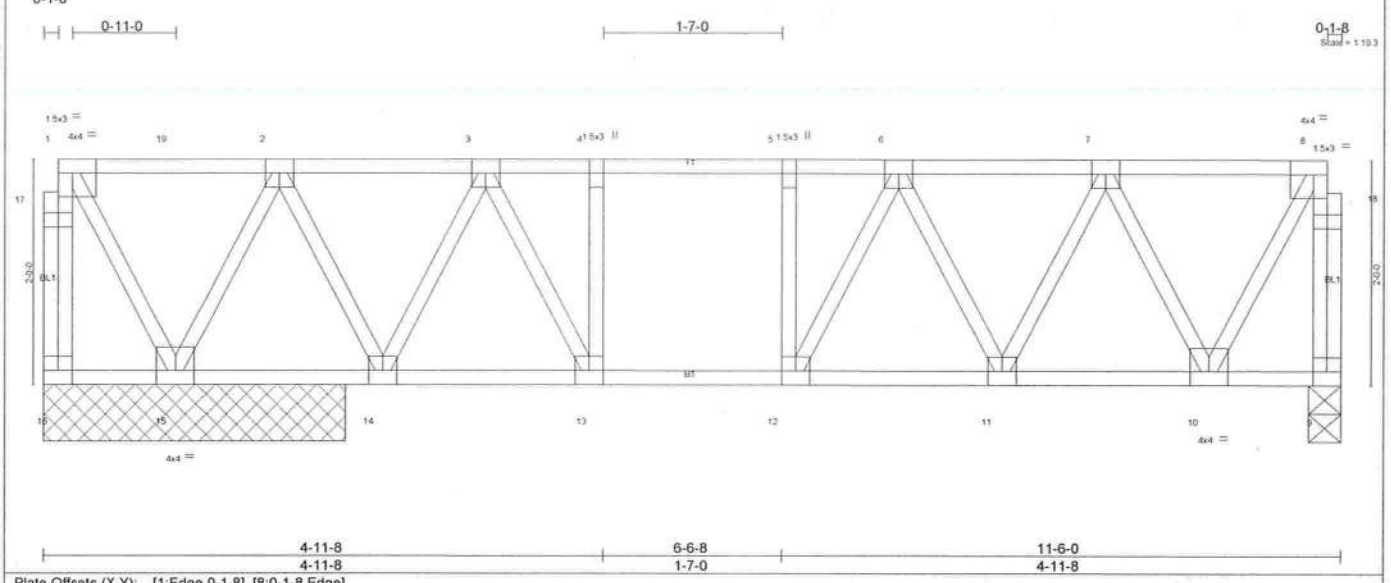

Plate Offsets (X,Y): [1:Edge,0-1-8], [8:0-1-8,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plates Increase	1.00	TC	0.37	Vert(LL)	-0.04	11-12	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.00	BC	0.40	Vert(TL)	-0.06	11-12	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.27	Horz(TL)	0.01	9	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix)							Weight: 78 lb	FT = 2%F, 11%E

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 15-16.

REACTIONS (lb/size) 16=-3/2-8-0 (min. 0-1-8), 9=550/0-3-8 (min. 0-1-8), 15=678/2-8-0 (min. 0-1-8)
Max Uplift 16=-250(LC 7)
Max Grav 16=259(LC 8), 9=550(LC 4), 15=862(LC 7)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 16-17=-259/249, 1-17=-258/249, 9-18=-544/0, 8-18=-543/0, 2-3=-414/0, 3-4=-728/0, 4-5=-728/0, 5-6=-728/0, 6-7=-607/0, 7-8=-262/0
BOT CHORD 14-15=0/261, 13-14=0/589, 12-13=0/728, 11-12=0/707, 10-11=0/487
WEBS 8-10=0/528, 1-15=-364/216, 7-10=-512/0, 2-15=-641/0, 7-11=0/273, 2-14=0/397, 3-14=-401/0, 3-13=0/337

NOTES (7-9)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x3 MT20 unless otherwise indicated.
3) Bearings are assumed to be: , Joint 9 SYP No.2 crushing capacity of 565 psi.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 250 lb uplift at joint 16.
5) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
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) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
8) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
9) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

JULIUS S.K. LEE LICENSE No 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

April 29,201

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI1 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	ADAMS - DUARTE RES. I6672908
460382	F16	Floor Truss	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 — 7.350 s Sep 27 2012 MiTek Industries, Inc. Mon Apr 29 11:50:47 2013 Page 1

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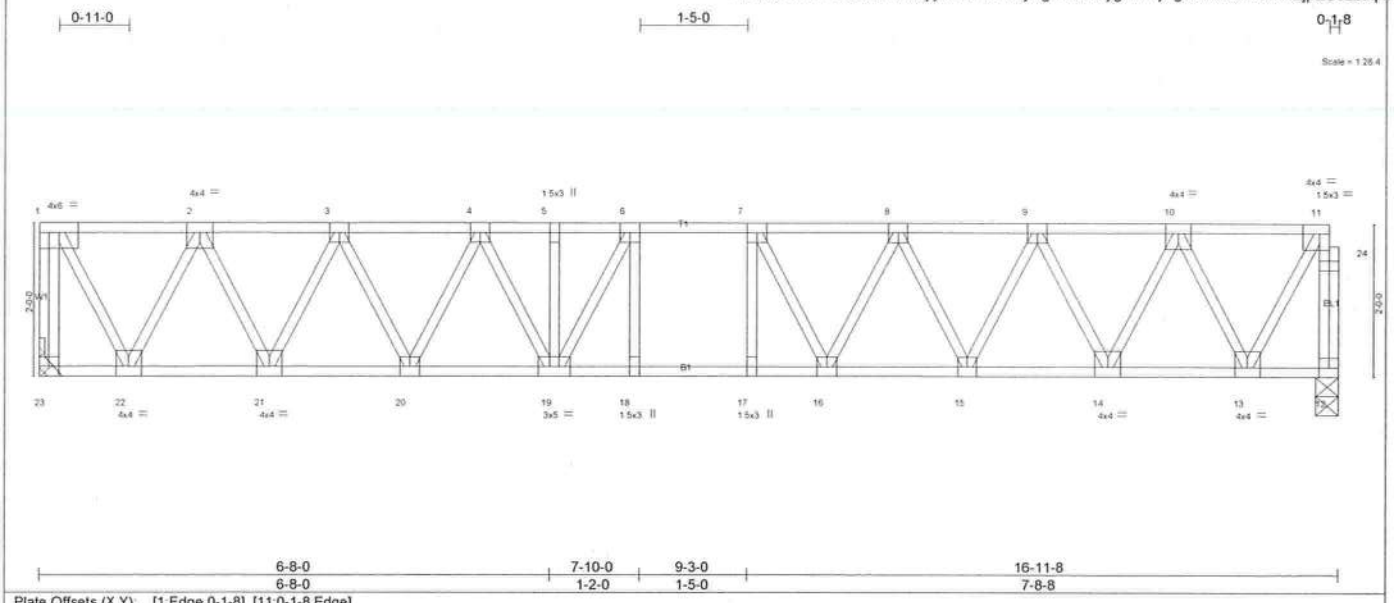

Plate Offsets (X,Y): [1:Edge,0-1-8], [11:0-1-8,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plates Increase	1.00	TC	0.42	Vert(LL)	-0.09	18	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.00	BC	0.78	Vert(TL)	-0.14	17-18	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.48	Horz(TL)	0.04	12	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix)							Weight: 115 lb	FT = 2%F, 11%E

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

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

REACTIONS (lb/size) 23=919/Mechanical, 12=913/0-3-8 (min. 0-1-8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-23=-914/0, 12-24=-908/0, 11-24=-907/0, 1-2=-464/0, 2-3=-1161/0, 3-4=-1647/0, 4-5=-1957/0, 5-6=-1957/0, 6-7=-2038/0, 7-8=-1940/0, 8-9=-1648/0, 9-10=-1160/0, 10-11=-464/0
BOT CHORD 21-22=0/865, 20-21=0/1448, 19-20=0/1836, 18-19=0/2038, 17-18=0/2038, 16-17=0/2038, 15-16=0/1841, 14-15=0/1447, 13-14=0/864
WEBS 11-13=0/938, 1-22=0/955, 10-13=-910/0, 2-22=-914/0, 10-14=0/674, 2-21=0/674, 9-14=-652/0, 3-21=-653/0, 9-15=0/459, 3-20=0/453, 8-15=-439/0, 4-20=-432/0, 8-16=0/326, 4-19=0/269, 6-19=-431/137, 7-16=-405/61

NOTES (7-10)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x3 MT20 unless otherwise indicated.
3) Bearings are assumed to be: , Joint 12 SYP No.2 crushing capacity of 565 psi.
4) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
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.
7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
8) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
9) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435
10) Use Simpson THA426 to attach Truss to Carrying member

LOAD CASE(S) Standard

JULIUS S.K. LEE LICENSE No 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

April 29,2013

Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	ADAMS - DUARTE RES. I6672910
460382	F18	Floor Truss	3	1	Job Reference (optional)

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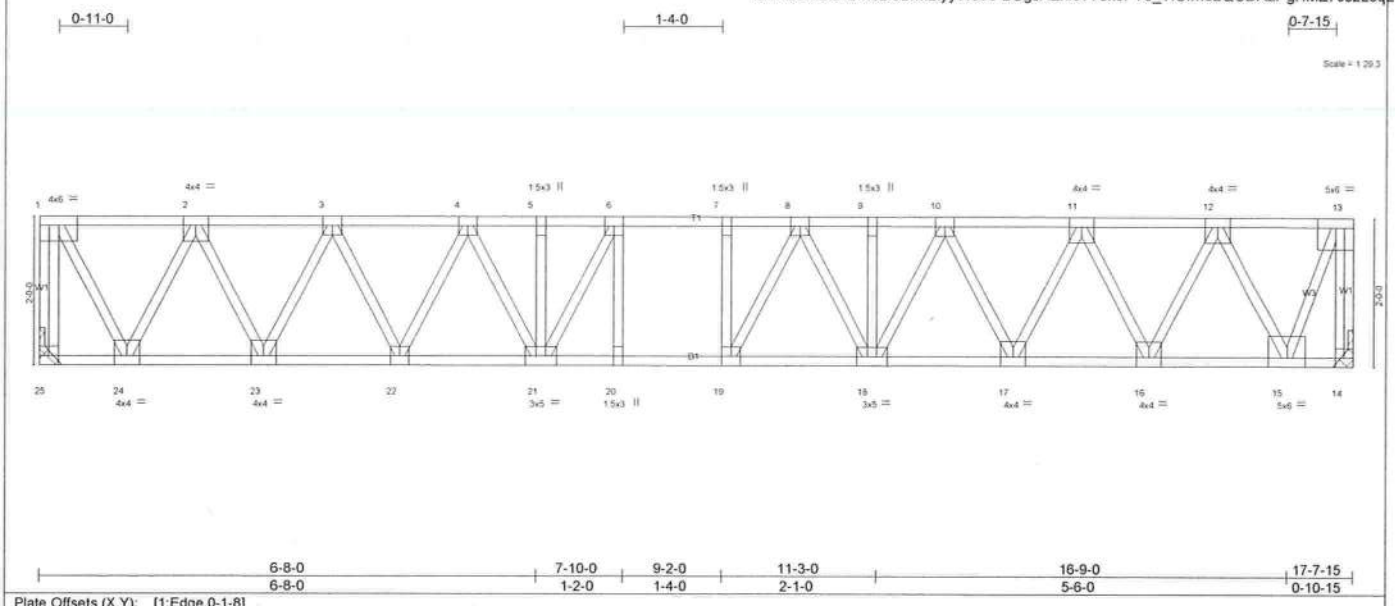

Plate Offsets (X,Y): [1:Edge,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plates Increase	1.00	TC	0.20	Vert(LL)	-0.09	19	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.00	BC	0.31	Vert(TL)	-0.14	19	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.51	Horz(TL)	0.04	14	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix)							Weight: 123 lb	FT = 2%F, 11%E

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

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

REACTIONS (lb/size) 25=958/Mechanical, 14=958/Mechanical

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-25=-952/0, 13-14=-951/0, 1-2=-485/0, 2-3=-1220/0, 3-4=-1744/0, 4-5=-2090/0, 5-6=-2090/0, 6-7=-2210/0, 7-8=-2210/0, 8-9=-2061/0, 9-10=-2061/0, 10-11=-1682/0, 11-12=-1130/0, 12-13=-370/0
BOT CHORD 23-24=0/905, 22-23=0/1526, 21-22=0/1952, 20-21=0/2210, 19-20=0/2210, 18-19=0/2167, 17-18=0/1905, 16-17=0/1451, 15-16=0/798
WEBS 1-24=0/998, 2-24=-957/0, 2-23=0/717, 3-23=-696/0, 3-22=0/497, 4-22=-474/0, 4-21=0/303, 13-15=0/958, 8-18=-281/0, 6-21=-490/92, 8-19=-166/360, 10-18=0/338, 10-17=-508/0, 11-17=0/525, 11-16=-731/0, 12-16=0/756, 12-15=-974/0

NOTES (6-8)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x3 MT20 unless otherwise indicated.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565 psi.
4) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
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) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
7) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
8) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

April 29,201

Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	ADAMS - DUARTE RES.	I6672912
460382	F20	Floor Truss	1	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055

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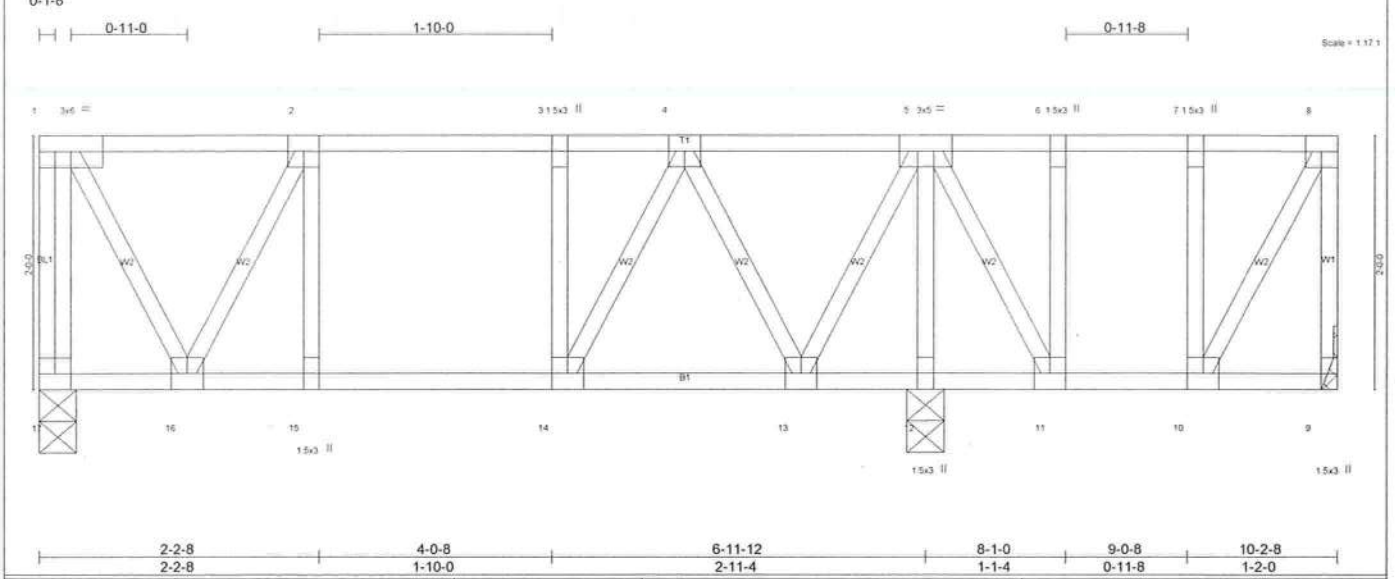

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plates Increase	1.00	TC	0.34	Vert(LL)	-0.02	13-14	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.00	BC	0.25	Vert(TL)	-0.03	13-14	>999	240		
BCLL	0.0	Rep Stress Incr	NO	WB	0.27	Horz(TL)	0.00	9	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix)							Weight: 72 lb	FT = 2%F, 11%E

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 12-13,11-12.

REACTIONS (lb/size) 17=362/0-3-8 (min. 0-1-8), 9=355/Mechanical, 12=813/0-3-8 (min. 0-1-8)
Max Grav 17=369(LC 10), 9=398(LC 7), 12=839(LC 8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-17=-361/0, 8-9=-392/0, 2-3=-316/0, 3-4=-316/0
BOT CHORD 15-16=0/316, 14-15=0/316, 13-14=0/265
WEBS 5-12=-835/0, 1-16=0/329, 5-13=0/326, 2-16=-337/0, 4-13=-311/0, 8-10=0/336, 5-11=0/394, 6-11=-288/0, 7-10=-279/0

NOTES (7-10)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x3 MT20 unless otherwise indicated.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565 psi.
4) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
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.
7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
8) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
9) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435
10) Use Simpson THA426 to attach Truss to Carrying member

LOAD CASE(S) Standard
1) Floor: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 9-17=-10, 1-5=-100, 5-8=-235

April 29,201

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design paramenters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI1 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	ADAMS - DUARTE RES.
460382	F22	Floor Truss	2	1	I6672914
					Job Reference (optional)

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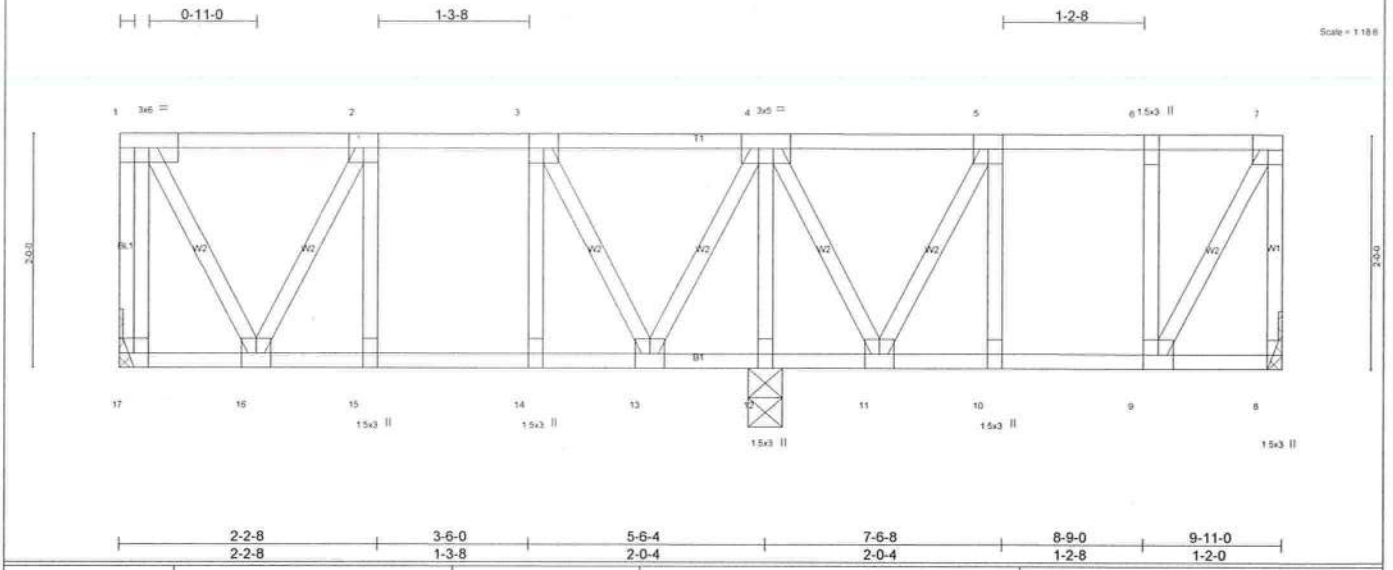

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plates Increase	1.00	TC	0.27	Vert(LL)	-0.01	15	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.00	BC	0.24	Vert(TL)	-0.01	15	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.18	Horz(TL)	0.00	8	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix)							Weight: 71 lb	FT = 2%F, 11%E

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 12-13,11-12.

REACTIONS (lb/size) 17=276/Mechanical, 8=212/Mechanical, 12=583/0-3-8 (min. 0-1-8)
Max Grav 17=294(LC 10), 8=230(LC 7), 12=594(LC 8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-17=-291/0
WEBS 4-12=-555/0, 7-9=0/251, 3-13=-264/0

NOTES (7-9)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x3 MT20 unless otherwise indicated.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565 psi.
4) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
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.
7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
8) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
9) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

JULIUS S.K. LEE LICENSE No 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

April 29,201

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Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	ADAMS - DUARTE RES.
460382	F24	Floor Truss	4	1	I6672916
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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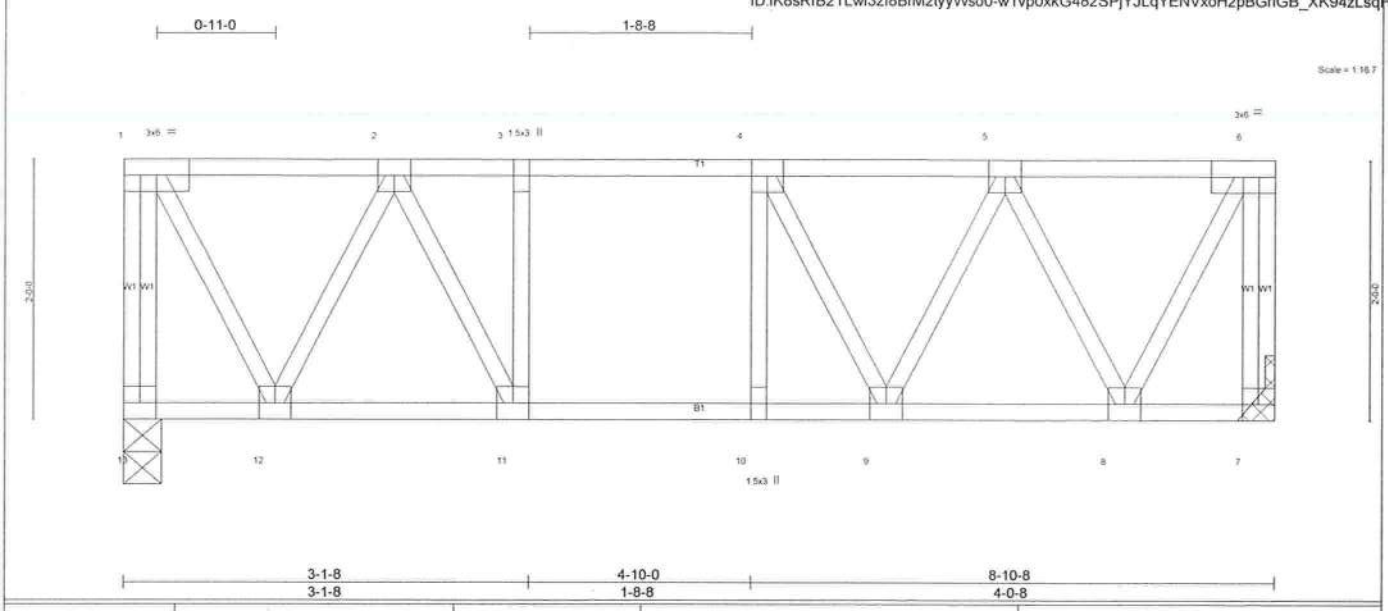

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plates Increase	1.00	TC	0.37	Vert(LL)	-0.04	10	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.00	BC	0.44	Vert(TL)	-0.05	10	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.23	Horz(TL)	0.01	7	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix)							Weight: 63 lb	FT = 2%F, 11%E

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

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

REACTIONS (lb/size) 13=474/0-3-8 (min. 0-1-8), 7=474/Mechanical

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-13=-463/0, 6-7=-469/0, 2-3=-527/0, 3-4=-527/0, 4-5=-478/0
BOT CHORD 11-12=0/401, 10-11=0/527, 9-10=0/527, 8-9=0/405
WEBS 6-8=0/449, 1-12=0/434, 5-8=-426/0, 2-12=-432/0, 2-11=0/347

NOTES (6-9)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x3 MT20 unless otherwise indicated.
3) Bearings are assumed to be: Joint 13 SYP No.2 crushing capacity of 565 psi.
4) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
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) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
7) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
8) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435
9) Use Simpson THA426 to attach Truss to Carrying member

LOAD CASE(S) Standard

April 29,2013

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.
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Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	ADAMS - DUARTE RES.
460382	HJ01	Diagonal Hip Girder	2	1	I6672918
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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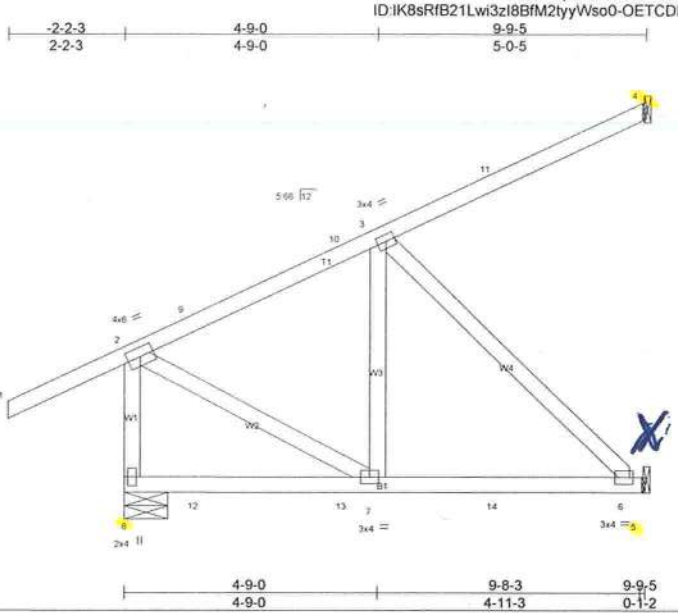

Plate Offsets (X,Y): [2:0-2-15,0-2-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.65	Vert(LL)	0.08	6-7	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.44	Vert(TL)	-0.09	6-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.28	Horz(TL)	-0.00	5	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 61 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 8=338/0-9-11 (min. 0-1-8), 4=125/Mechanical, 5=197/Mechanical
Max Horz 8=181(LC 5)
Max Uplift 8=-504(LC 4), 4=-122(LC 8), 5=-387(LC 8)
Max Grav 8=417(LC 2), 4=153(LC 2), 5=241(LC 3)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-8=-417/379, 2-9=-261/331, 9-10=-194/304
BOT CHORD 7-14=-389/213, 6-14=-389/213
WEBS 2-7=-277/278, 3-6=-300/546

NOTES (9-11)
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=28ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 504 lb uplift at joint 8, 122 lb uplift at joint 4 and 387 lb uplift at joint 5.
6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 108 lb up at 1-4-4, 108 lb up at 1-4-4, 0 lb down and 95 lb up at 4-2-3, 0 lb down and 95 lb up at 4-2-3, and 58 lb down and 109 lb up at 7-0-2, and 58 lb down and 109 lb up at 7-0-2 on top chord, and 104 lb up at 1-4-4, 104 lb up at 1-4-4, 9 lb down and 45 lb up at 4-2-3, 9 lb down and 45 lb up at 4-2-3, and 41 lb down and 71 lb up at 7-0-2, and 41 lb down and 71 lb up at 7-0-2 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).
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
10) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
11) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-44, 2-4=-44, 5-8=-10
Concentrated Loads (lb)
Vert: 9=61(F=31, B=31) 10=8(F=4, B=4) 11=-95(F=-47, B=-47) 12=15(F=8, B=8) 13=-3(F=-2, B=-2) 14=-28(F=-14, B=-14)

JULIUS S.K. LEE LICENSE No 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

April 29,2013

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI1 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	ADAMS - DUARTE RES.
460382	HJ03	Diagonal Hip Girder	2	1	I6672920
					Job Reference (optional)

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ID:IK8sRfB21Lwi3zI8BfM2tyyWso0-Kcbyezm8M3R1GBHu0y5x_8ZJ5FqGTAWiuyI_mPzLsqE

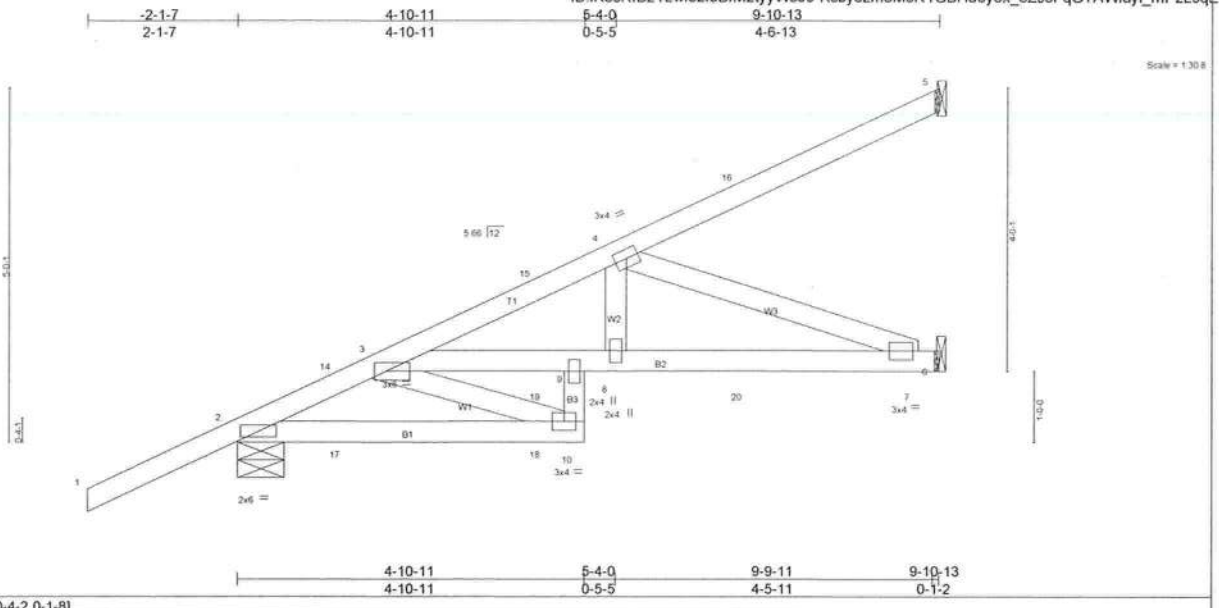

Plate Offsets (X,Y): [3:0-4-2,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.34	Vert(LL)	0.05	7-8	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.48	Vert(TL)	-0.09	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.35	Horz(TL)	0.02	6	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 52 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
B3: 2x4 SP No.3
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 8-9-4 oc bracing.
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 5=92/Mechanical, 2=371/0-7-12 (min. 0-1-8), 6=237/Mechanical
Max Horz 2=212(LC 8)
Max Uplift5=-88(LC 8), 2=-146(LC 8), 6=-151(LC 8)
Max Grav 5=113(LC 2), 2=450(LC 2), 6=277(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-14=-460/127, 3-14=-440/137, 3-15=-774/351, 4-15=-712/343
BOT CHORD 2-17=-232/371, 17-18=-232/371, 10-18=-232/371, 3-19=-413/639, 9-19=-413/639, 8-9=-440/686, 8-20=-440/686, 7-20=-440/686
WEBS 4-8=-95/339, 4-7=-730/468, 3-10=-346/218

NOTES (9-11)
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=28ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 88 lb uplift at joint 5, 146 lb uplift at joint 2 and 151 lb uplift at joint 6.
6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 23 lb down and 47 lb up at 1-5-12, 23 lb down and 47 lb up at 1-5-12, 4 lb down and 57 lb up at 4-3-11, 4 lb down and 57 lb up at 4-3-11, and 19 lb down and 69 lb up at 7-1-10, and 19 lb down and 69 lb up at 7-1-10 on top chord, and 0 lb down and 20 lb up at 1-5-12, 0 lb down and 20 lb up at 1-5-12, 4 lb down and 3 lb up at 4-3-11, 4 lb down and 3 lb up at 4-3-11, and 48 lb down and 26 lb up at 7-1-10, and 48 lb down and 26 lb up at 7-1-10 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).
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
10) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
11) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-44, 10-11=-10, 6-9=-10

Continued on page 2

JULIUS S.K. LEE LICENSE No 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

April 29,2013

Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	ADAMS - DUARTE RES.
460382	HJ04	Diagonal Hip Girder	3	1	I6672921
					Job Reference (optional)

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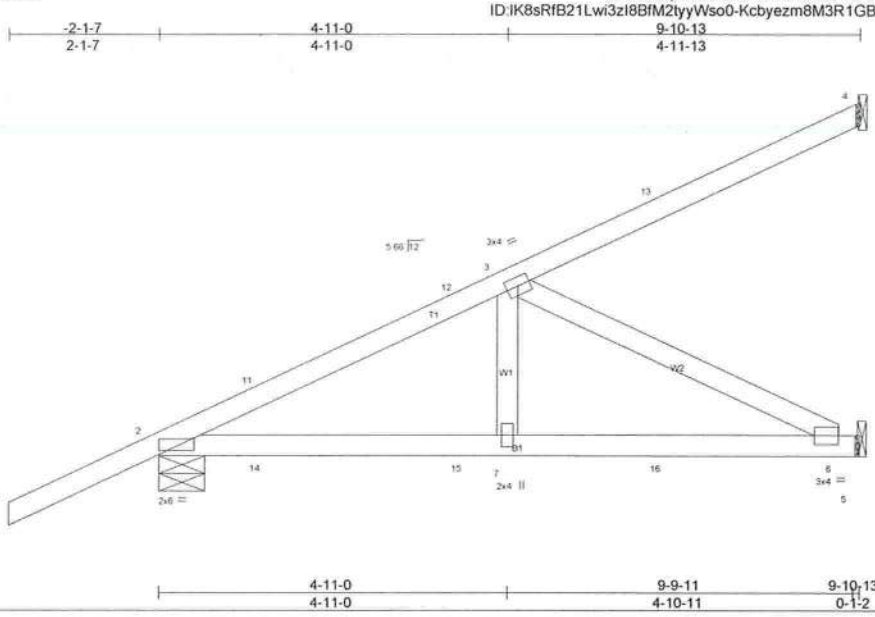


Plate Offsets (X,Y): [2:0-2-8,0-1-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.54	Vert(LL)	-0.04	6-7	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.42	Vert(TL)	-0.09	6-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.32	Horz(TL)	0.01	5	n/a	n/a		
BCDL	5.0	Code	FBC2010/TPI2007	(Matrix-M)							Weight: 45 lb	FT = 20%

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

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

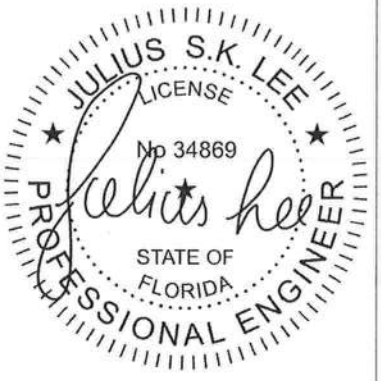
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 4=114/Mechanical, 2=362/0-7-12 (min. 0-1-8), 5=215/Mechanical
Max Horz 2=212(LC 8)
Max Uplift 4=-115(LC 8), 2=-140(LC 8), 5=-125(LC 8)
Max Grav 4=140(LC 2), 2=440(LC 2), 5=251(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-11=-540/172, 11-12=-465/187, 3-12=-459/166
BOT CHORD 2-14=-294/461, 14-15=-294/461, 7-15=-294/461, 7-16=-294/461, 6-16=-294/461
WEBS 3-6=-516/329

NOTES (9-11)
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=28ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 115 lb uplift at joint 4, 140 lb uplift at joint 2 and 125 lb uplift at joint 5.
6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 23 lb down and 47 lb up at 1-5-12, 23 lb down and 47 lb up at 1-5-12, 4 lb down and 57 lb up at 4-3-11, 4 lb down and 57 lb up at 4-3-11, and 45 lb down and 94 lb up at 7-1-10, and 45 lb down and 94 lb up at 7-1-10 on top chord, and 0 lb down and 20 lb up at 1-5-12, 0 lb down and 20 lb up at 1-5-12, 4 lb down and 3 lb up at 4-3-11, 4 lb down and 3 lb up at 4-3-11, and 27 lb down at 7-1-10, and 27 lb down at 7-1-10 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).
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
10) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
11) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-44, 5-8=-10



Continued on page 2

April 29,201

Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	ADAMS - DUARTE RES.
460382	HJ05	Diagonal Hip Girder	2	1	I6672922
					Job Reference (optional)

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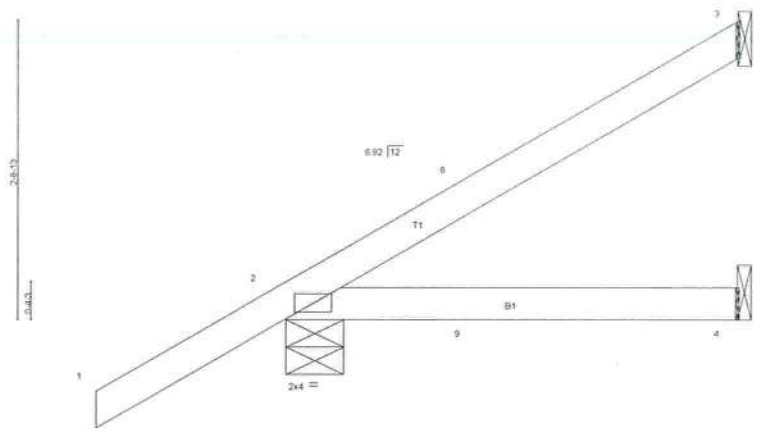

4-1-11 / 0-0-15

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.21	Vert(LL)	-0.01	4-7	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.09	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	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 16 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-1-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 3=58/Mechanical, 2=187/0-6-3 (min. 0-1-8), 4=16/Mechanical
Max Horz 2=124(LC 8)
Max Uplift3=-60(LC 8), 2=-79(LC 8)
Max Grav 3=77(LC 15), 2=224(LC 2), 4=44(LC 3)

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

NOTES (9-11)
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=28ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 60 lb uplift at joint 3 and 79 lb uplift at joint 2.
6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 10 lb down and 48 lb up at 1-8-11 on top chord, and 12 lb up at 1-8-11 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).
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
10) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
11) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

JULIUS S.K. LEE LICENSE No 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-44, 4-5=-10
Concentrated Loads (lb)
Vert: 8=30(B) 9=6(B)

April 29,201

Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	ADAMS - DUARTE RES.
460382	KW5	GABLE	1	1	I6672924
					Job Reference (optional)

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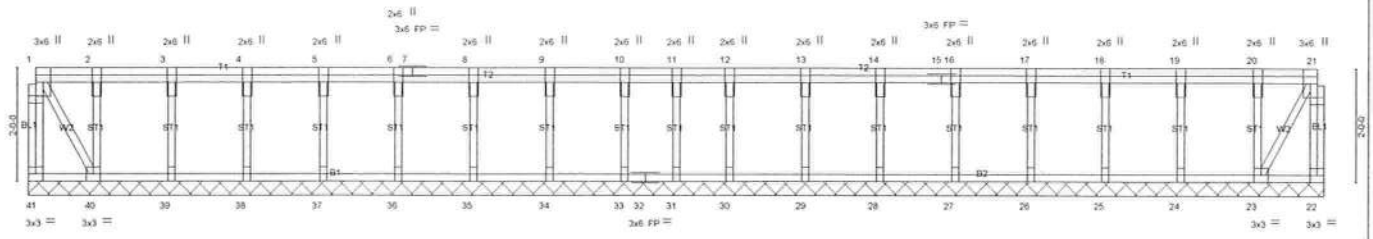

1-2-4	2-6-4	3-10-4	5-2-4	6-6-4	7-10-4	9-2-4	10-6-4	11-5-6	12-4-8	13-8-8	15-0-8	16-4-8	17-8-8	19-0-8	20-4-8	21-8-8	22-10-12
1-2-4	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	0-11-2	0-11-2	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-2-4

Plate Offsets (X,Y): [1:0-1-8,0-0-8], [21:0-1-8,0-0-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plates Increase	1.00	TC	0.03	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber Increase	1.00	BC	0.01	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.04	Horz(TL)	-0.00	22	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix)							Weight: 157 lb	FT = 2%F, 11%E

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 10-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing, Except: 10-0-0 oc bracing: 40-41,22-23.

REACTIONS All bearings 22-10-12.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 41, 22, 31, 23, 24, 25, 26, 27, 28, 29, 30, 40, 39, 38, 37, 36, 35, 34, 33

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

NOTES (8-10)

1) All plates are 1.5x3 MT20 unless otherwise indicated.
2) Gable requires continuous bottom chord bearing.
3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
4) Gable studs spaced at 1-4-0 oc.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565 psi.
6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
7) 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.
8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
9) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
10) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

April 29,201

Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	ADAMS - DUARTE RES.
460382	KW15	GABLE	1	1	I6672926
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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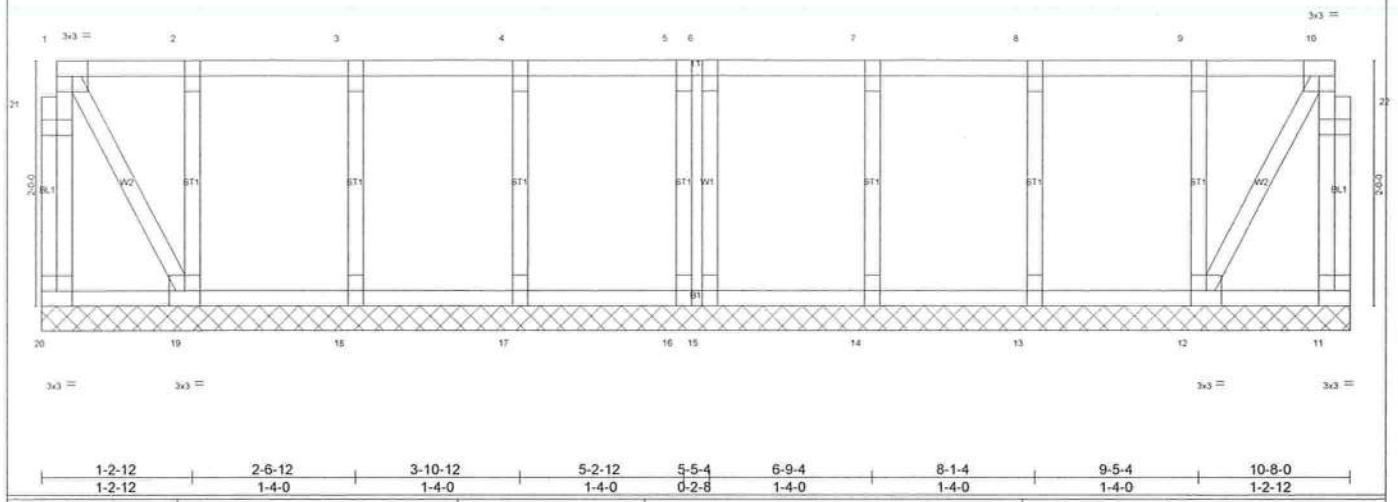


LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plates Increase	1.00	TC	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber Increase	1.00	BC	0.01	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.04	Horz(TL)	-0.00	12	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix)							Weight: 68 lb	FT = 2%F, 11%E

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

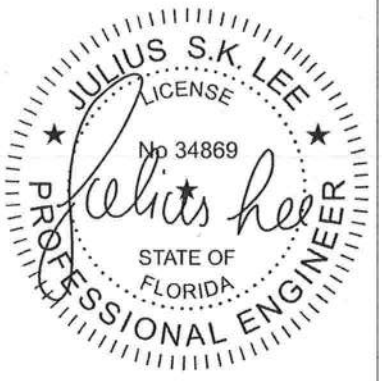
BRACING
TOP CHORD Structural wood sheathing directly applied or 10-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing, Except:
10-0-0 oc bracing: 19-20,11-12.

REACTIONS All bearings 10-8-0.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 20, 11, 16, 12, 13, 14, 19, 18, 17, 15

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

NOTES (8-10)
1) All plates are 1.5x3 MT20 unless otherwise indicated.
2) Gable requires continuous bottom chord bearing.
3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
4) Gable studs spaced at 1-4-0 oc.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565 psi.
6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
7) 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.
8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
9) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
10) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard



April 29,201

Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	ADAMS - DUARTE RES.
460382	PB01	PIGGYBACK	6	1	I6672928
					Job Reference (optional)

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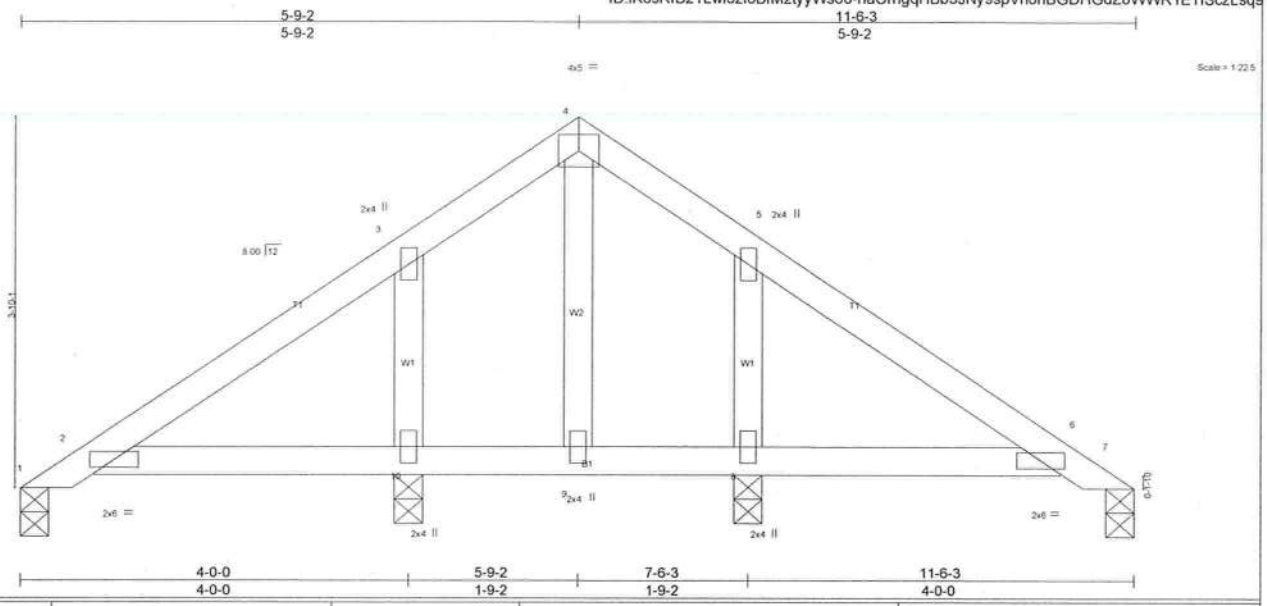

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.12	Vert(LL)	-0.00	13	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.08	Vert(TL)	-0.01	10-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(TL)	0.01	7	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 46 lb	FT = 20%

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

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS All bearings 0-3-8.
(lb) - Max Horz 1=74(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 7, 10, 8
Max Grav All reactions 250 lb or less at joint(s) 1, 7 except 10=266(LC 21), 8=254(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
BOT CHORD 2-10=-99/346, 6-8=-104/337

NOTES (10-12)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=28ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
6) Bearing at joint(s) 1, 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7, 10, 8.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
10) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
11) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
12) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

April 29,2013

Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	ADAMS - DUARTE RES.
460382	PB03	HIP PIGGYBACK	1	1	I6672930
					Job Reference (optional)

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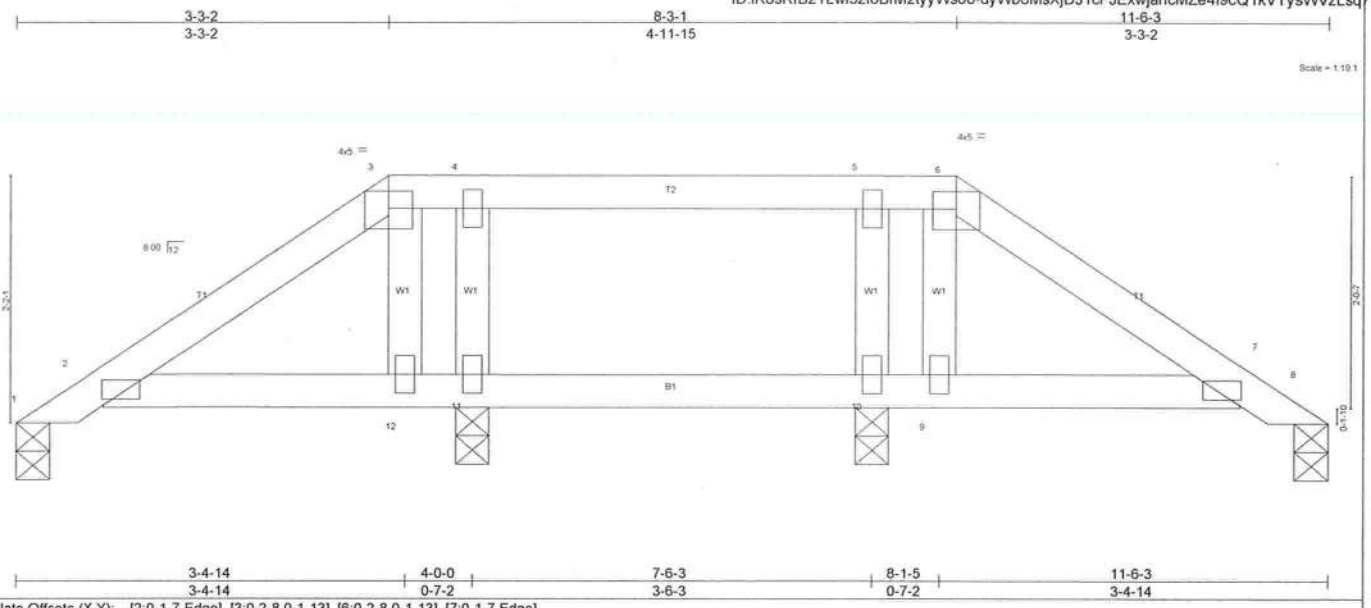

Plate Offsets (X,Y): [2:0-1-7,Edge], [3:0-2-8,0-1-13], [6:0-2-8,0-1-13], [7:0-1-7,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.13	Vert(LL)	0.01	12-15	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.08	Vert(TL)	-0.01	12-15	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(TL)	0.01	8	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 43 lb	FT = 20%

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

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS All bearings 0-3-8.
(lb) - Max Horz 1=-42(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 1, 8, 11, 10
Max Grav All reactions 250 lb or less at joint(s) 1, 8 except 11=266(LC 27), 10=265(LC 28)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-275/85, 6-7=-267/89
BOT CHORD 2-12=-127/395, 7-9=-132/386

NOTES (12-14)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=28ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are 2x4 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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
8) Bearing at joint(s) 1, 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 8, 11, 10.
10) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
11) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
12) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
13) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
14) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

JULIUS S.K. LEE LICENSE No 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

April 29,201

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design paramenters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI1 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	ADAMS - DUARTE RES.
460382	PB05G	PIGGYBACK	2	1	I6672932
					Job Reference (optional)

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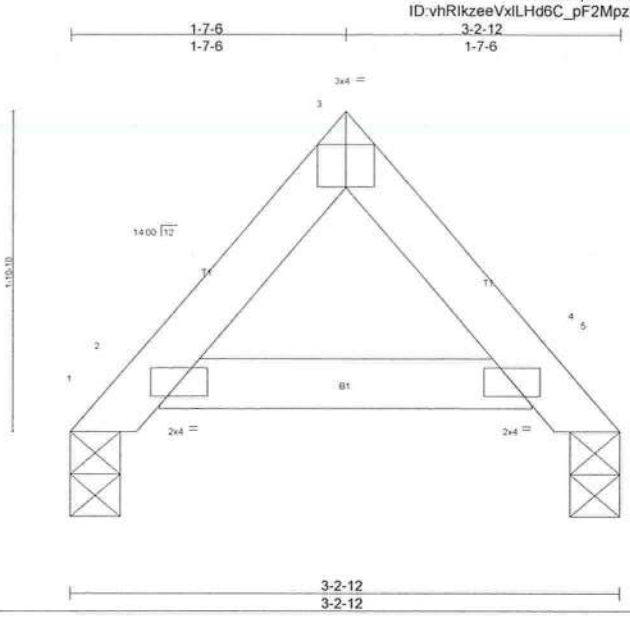


Plate Offsets (X,Y): [3:Edge,0-3-1]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.06	Vert(LL)	-0.00	8	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.03	Vert(TL)	-0.00	8	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00	5	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 11 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-2-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

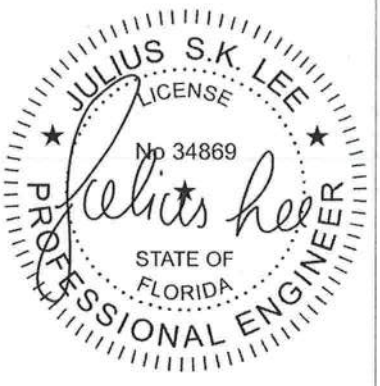
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 1=84/0-3-8 (min. 0-2-1), 5=82/0-3-8 (min. 0-2-1)
Max Horz 1=-35(LC 8)
Max Uplift 1=-9(LC 13), 5=-10(LC 12)
Max Grav 1=99(LC 2), 5=97(LC 2)

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

NOTES (10-12)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=28ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
6) Bearing at joint(s) 1, 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
10) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
11) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
12) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard



April 29,201

Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	ADAMS - DUARTE RES.
460382	T02	Hip Truss	1	2	I6672933
					Job Reference (optional)

NOTES (12-14)

11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 23 lb down and 50 lb up at 6-11-8, 23 lb down and 50 lb up at 9-0-4, 23 lb down and 50 lb up at 11-0-4, 23 lb down and 50 lb up at 13-0-4, 23 lb down and 50 lb up at 15-0-4, 23 lb down and 50 lb up at 17-0-4, 23 lb down and 50 lb up at 19-0-4, 23 lb down and 50 lb up at 19-10-12, 23 lb down and 50 lb up at 21-10-12, 23 lb down and 50 lb up at 23-10-12, 23 lb down and 50 lb up at 25-10-12, 23 lb down and 50 lb up at 27-10-12, and 23 lb down and 50 lb up at 29-10-12, and 23 lb down and 50 lb up at 31-11-8 on top chord, and 336 lb down and 494 lb up at 6-11-8, 118 lb down and 97 lb up at 9-0-4, 118 lb down and 97 lb up at 11-0-4, 118 lb down and 97 lb up at 13-0-4, 118 lb down and 97 lb up at 15-0-4, 118 lb down and 97 lb up at 17-0-4, 118 lb down and 97 lb up at 19-0-4, 118 lb down and 97 lb up at 19-10-12, 118 lb down and 97 lb up at 21-10-12, 118 lb down and 97 lb up at 23-10-12, 118 lb down and 97 lb up at 25-10-12, 118 lb down and 97 lb up at 27-10-12, and 118 lb down and 97 lb up at 29-10-12, and 336 lb down and 494 lb up at 31-10-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
12) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
13) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
14) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-2=-44, 2-4=-44, 4-8=-44, 8-10=-44, 10-11=-44, 20-32=-10, 32-35=-40, 35-40=-10, 40-43=-40, 12-43=-10
   Concentrated Loads (lb)
   Vert: 4=-19(F) 8=-19(F) 19=-287(F) 5=-19(F) 17=-100(F) 15=-100(F) 7=-19(F) 13=-287(F) 21=-19(F) 22=-19(F) 23=-19(F) 24=-19(F) 25=-19(F) 26=-19(F) 27=-19(F) 28=-19(F) 29=-19(F) 30=-19(F) 31=-100(F) 33=-100(F) 34=-100(F) 36=-100(F) 37=-100(F) 38=-100(F) 39=-100(F) 41=-100(F) 42=-100(F) 44=-100(F)

Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	ADAMS - DUARTE RES.
460382	T04	Hip Truss	1	1	I6672935
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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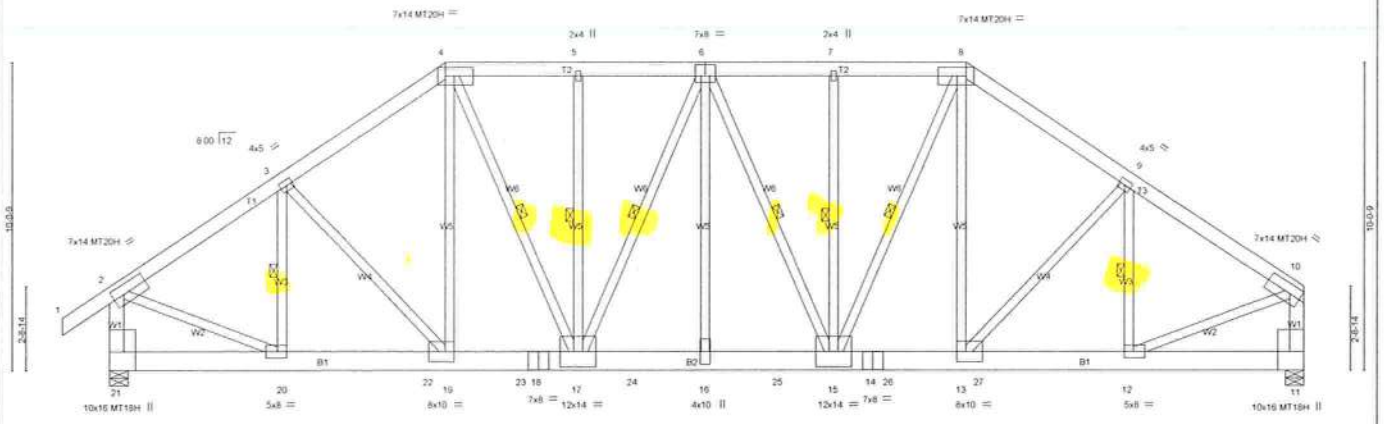
-1-6-8	5-7-8	10-11-8	15-3-6	19-5-8	23-7-10	27-11-8	33-3-8	38-11-0
1-6-8	5-7-8	5-4-0	4-3-14	4-2-2	4-2-2	4-3-14	5-4-0	5-7-8

Scale = 1:71.0



5-7-8	10-11-8	15-3-6	19-5-8	23-7-10	27-11-8	33-3-8	38-11-0
5-7-8	5-4-0	4-3-14	4-2-2	4-2-2	4-3-14	5-4-0	5-7-8

Plate Offsets (X,Y): [2:0-4-4,0-3-8], [4:0-11-0,0-3-8], [6:0-4-0,0-4-8], [8:0-11-0,0-3-8], [11:0-7-4,Edge], [12:0-3-8,0-2-8], [13:0-3-8,0-4-0], [19:0-3-8,0-4-0], [20:0-3-8,0-2-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.28	Vert(LL)	-0.19	16	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.40	Vert(TL)	-0.37	16	>999	180	MT20H	187/143
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.84	Horz(TL)	0.08	11	n/a	n/a	MT18H	244/190
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 415 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SYP No.2
BOT CHORD 2x8 SYP DSS
WEBS 2x4 SP No.3 *Except*
W6,W2: 2x4 SP No.2, W1: 2x6 SYP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-1-1 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-10-2 oc bracing.
WEBS 1 Row at midpt 3-20, 4-17, 5-17, 6-17, 6-15, 7-15, 8-15, 9-12

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 21=3538/0-7-2 (min. 0-5-11), 11=3456/0-7-2 (min. 0-5-9)
Max Horz 21=225(LC 9)
Max Uplift 21=-681(LC 12), 11=-660(LC 13)
Max Grav 21=4202(LC 21), 11=4057(LC 21)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-5052/1659, 3-4=-6082/2060, 4-5=-6287/2169, 5-6=-6287/2169, 6-7=-6288/2169, 7-8=-6288/2169, 8-9=-6088/2060, 9-10=-5050/1651, 2-21=-4742/1586, 10-11=-4632/1503
BOT CHORD 20-21=-230/295, 20-22=-1338/4123, 19-22=-1338/4123, 19-23=-1536/4904, 18-23=-1536/4904, 17-18=-1536/4904, 17-24=-2063/6526, 16-24=-2063/6526, 16-25=-2063/6526, 15-25=-2063/6526, 14-15=-1529/4902, 14-26=-1529/4902, 13-26=-1529/4902, 13-27=-1322/4125, 12-27=-1322/4125
WEBS 3-20=-1788/604, 3-19=-304/1154, 4-19=-95/273, 4-17=-991/3033, 6-17=-924/305, 6-16=-404/1415, 6-15=-920/307, 8-15=-994/3032, 8-13=-96/285, 9-13=-303/1149, 9-12=-1798/626, 2-20=-1298/4248, 10-12=-1350/4281

NOTES (11-13)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=28ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 5.0psf.
7) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 21=681, 11=660.
9) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
11) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
12) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
13) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

Continued on page 2

JULIUS S.K. LEE LICENSE No 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

April 29,201

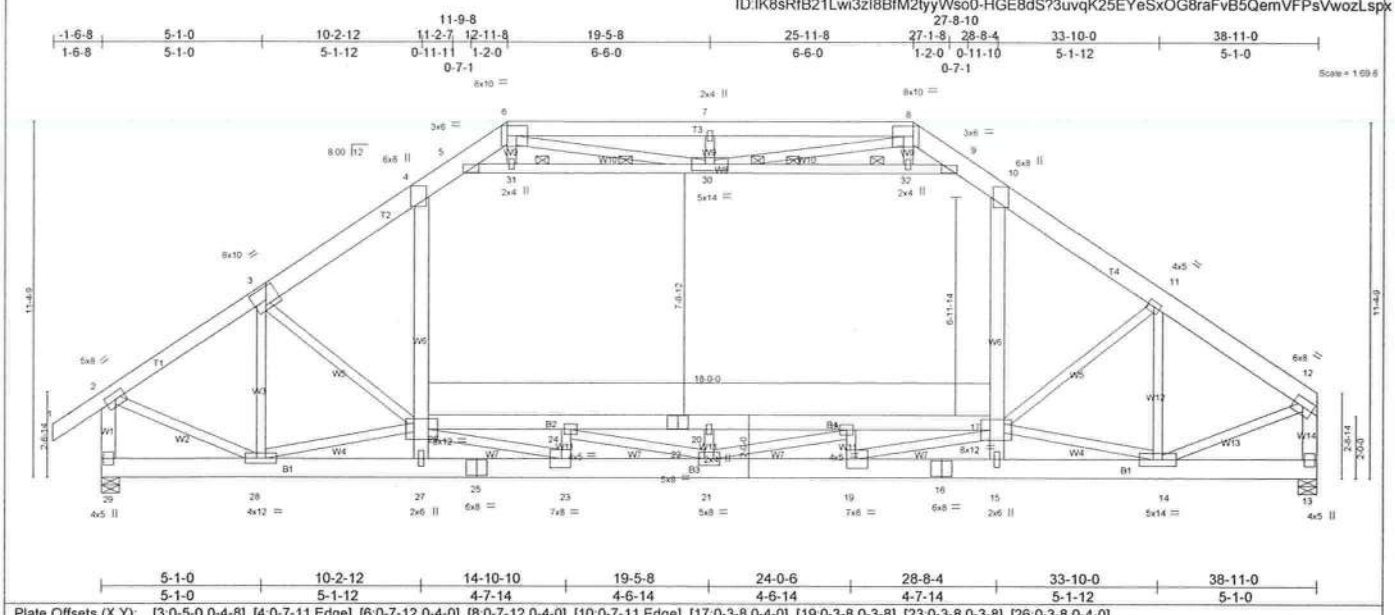
Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	ADAMS - DUARTE RES.
460382	T05	ATTIC TRUSS	1	1	I6672936
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

7.350 s Sep 27 2012 MiTek Industries, Inc. Mon Apr 29 11:51:14 2013 Page 1

ID:IK8sRfB21Lwi3zI8BfM2tyyWso0-HGE8dS?3uvqK25EYeSxOG8raFvB5QemVFPsVwozLspx



5-1-0 10-2-12 14-10-10 19-5-8 24-0-6 28-8-4 33-10-0 38-11-0
5-1-0 5-1-12 4-7-14 4-6-14 4-6-14 4-7-14 5-1-12 5-1-0

Plate Offsets (X,Y): [3:0-5-0,0-4-8], [4:0-7-11,Edge], [6:0-7-12,0-4-0], [8:0-7-12,0-4-0], [10:0-7-11,Edge], [17:0-3-8,0-4-0], [19:0-3-8,0-3-8], [23:0-3-8,0-3-8], [26:0-3-8,0-4-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.28	Vert(LL)	-0.24	20	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.96	Vert(TL)	-0.40	20	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.90	Horz(TL)	0.04	13	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)		Attic	-0.16	17-26	1359	360	Weight: 476 lb	FT = 20%

LUMBER

TOP CHORD 2x8 SYP DSS *Except*
T3,T1: 2x6 SYP No.2
BOT CHORD 2x8 SYP DSS *Except*
B2,B4: 2x6 SYP No.2
WEBS 2x4 SP No.3 *Except*
W6,W1,W14: 2x6 SYP No.2, W8,W7: 2x4 SP No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 4-10-3 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2 Rows at 1/3 pts 5-30, 9-30
JOINTS 1 Brace at Jt(s): 30, 20, 24, 18

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 29=2365/0-7-2 (min. 0-3-4), 13=2283/0-7-2 (min. 0-3-2)
Max Horz 29=250(LC 9)

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

TOP CHORD 2-3=-2607/181, 3-4=-3456/138, 4-5=-2705/267, 5-6=-890/335, 6-7=-1490/669, 7-8=-1490/669, 8-9=-889/334, 9-10=-2706/268, 10-11=-3488/135, 11-12=-2658/171, 2-29=-2652/251, 12-13=-2539/167

BOT CHORD 27-28=-293/1353, 25-27=-329/1271, 23-25=-329/1271, 21-23=0/3612, 19-21=0/3610, 16-19=-191/1258, 15-16=-191/1258, 14-15=-173/1351, 24-26=-1212/114, 22-24=-2320/0, 20-22=-2320/0, 18-20=-2320/0, 17-18=-1216/108

WEBS 3-26=-26/816, 26-27=0/362, 4-26=0/1427, 15-17=0/360, 10-17=0/1473, 11-17=-50/776, 5-31=-2408/0, 30-31=-2368/0, 30-32=-2372/0, 9-32=-2412/0, 7-30=-302/196, 2-28=-23/2205, 12-14=-74/2232, 6-31=0/271, 8-32=0/272, 6-30=-377/925, 8-30=-379/926, 20-21=-637/0, 23-24=-1105/0, 23-26=0/3054, 21-24=-19/1163, 3-28=-1328/0, 26-28=-60/1024, 18-19=-1104/0, 18-21=-29/1159, 17-19=0/3051, 11-14=-1313/32, 14-17=-117/1026

NOTES (11-13)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=28ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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) Ceiling dead load (5.0 psf) on member(s). 4-5, 9-10, 5-31, 30-31, 30-32, 9-32; Wall dead load (5.0psf) on member(s).4-26, 10-17
7) Bottom chord live load (60.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 24-26, 20-24, 18-20, 17-18
8) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
9) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
10) Attic room checked for L/360 deflection.
11) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
12) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
13) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

JULIUS S.K. LEE LICENSE No 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

April 29,2013

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI1 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	ADAMS - DUARTE RES.
460382	T06	Attic Truss	5	1	I6672937
					Job Reference (optional)

11) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
12) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
13) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	ADAMS - DUARTE RES.
460382	T07	ATTIC TRUSS	4	1	I6672938
					Job Reference (optional)

13) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
14) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
15) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	ADAMS - DUARTE RES.
460382	T13	Common Truss	1	1	I6672940
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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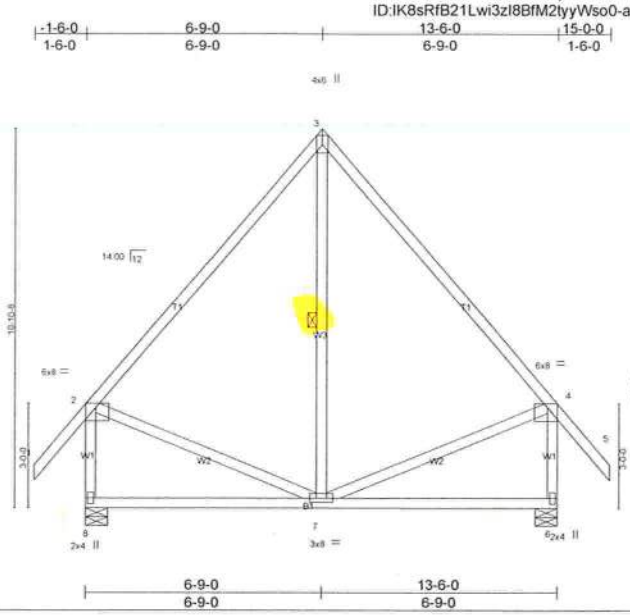

Plate Offsets (X,Y): [2:Edge,0-1-5], [4:Edge,0-1-5]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.71	Vert(LL)	-0.04	7-8	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.30	Vert(TL)	-0.07	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.15	Horz(TL)	0.01	6	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 102 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
W1: 2x4 SP No.2

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 8=429/0-7-10 (min. 0-1-8), 6=429/0-7-10 (min. 0-1-8)
Max Horz 8=-279(LC 10)
Max Uplift 8=-72(LC 13), 6=-72(LC 12)
Max Grav 8=512(LC 2), 6=512(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-442/223, 3-4=-442/223, 2-8=-570/277, 4-6=-570/277
BOT CHORD 7-8=-270/298

NOTES (8-10)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=28ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8, 6.
7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
9) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
10) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

April 29,201

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design paramenters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI1 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	ADAMS - DUARTE RES.
460382	T15	Piggyback Base Truss	3	1	I6672942
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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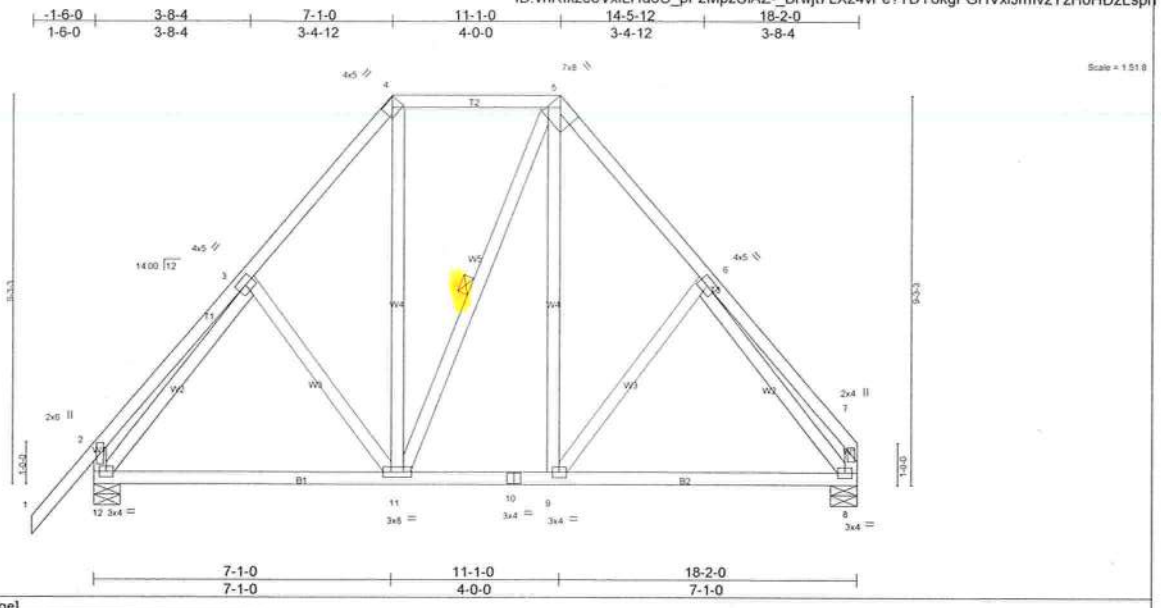

Plate Offsets (X,Y): [5:0-2-11,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	-0.07	8-9	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.33	Vert(TL)	-0.13	8-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.34	Horz(TL)	0.01	8	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 145 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 5-11

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 12=558/0-7-10 (min. 0-1-8), 8=479/0-7-10 (min. 0-1-8)
Max Horz 12=271(LC 9)
Max Uplift 12=-167(LC 12), 8=-124(LC 12)
Max Grav 12=665(LC 2), 8=568(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-263/163, 3-4=-634/312, 4-5=-415/267, 5-6=-637/314, 6-7=-274/157, 2-12=-355/202, 7-8=-269/150
BOT CHORD 11-12=-197/386, 10-11=-85/275, 9-10=-85/275, 8-9=-100/367
WEBS 3-12=-475/138, 6-8=-450/121

NOTES (9-11)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=28ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 167 lb uplift at joint 12 and 124 lb uplift at joint 8.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
10) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
11) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

JULIUS S.K. LEE LICENSE No 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

April 29,201

Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	ADAMS - DUARTE RES.
460382	T15G	GABLE	1	1	I6672943
					Job Reference (optional)

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-44, 5-6=-44, 6-10=-44, 36-44=-10, 44-45=-37(F=-27), 40-45=-10

Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	ADAMS - DUARTE RES.
460382	T16G	GABLE	1	1	I6672945
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 — 7.350 s Sep 27 2012 MiTek Industries, Inc. Mon Apr 29 11:51:27 2013 Page 1

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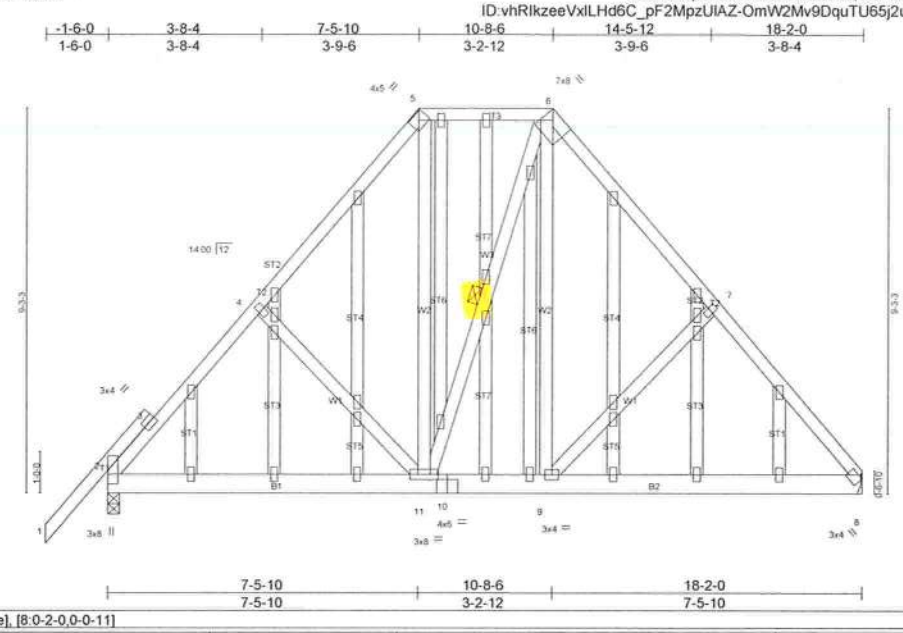

Plate Offsets (X,Y): [6:0-2-11,Edge], [8:0-2-0,0-0-11]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.41	Vert(LL)	0.09	9-40	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.18	Vert(TL)	0.07	9-40	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.72	Horz(TL)	-0.01	2	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 217 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 6-11

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 2=680/0-3-8 (min. 0-1-8), 8=612/Mechanical
Max Horz 2=250(LC 11)
Max Uplift2=-235(LC 9), 8=-224(LC 8)
Max Grav 2=809(LC 2), 8=725(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-848/634, 3-4=-855/672, 4-5=-813/724, 5-6=-529/541, 6-7=-809/723, 7-8=-888/672
BOT CHORD 2-11=-379/522, 10-11=-214/387, 9-10=-214/387, 8-9=-370/509
WEBS 4-11=-292/251, 5-11=-446/365, 6-9=-449/365, 7-9=-276/238

NOTES (14-16)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=28ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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) Provide adequate drainage to prevent water ponding.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=235, 8=224.
11) Girder carries tie-in span(s): 3-0-0 from 0-0-0 to 18-2-0
12) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
13) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
14) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
15) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
16) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

Continued on page 2

JULIUS S.K. LEE LICENSE No 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

April 29,2013

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI1 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	ADAMS - DUARTE RES.
460382	T17	Piggyback Base Truss	1	1	I6672946
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 — 7.350 s Sep 27 2012 MiTek Industries, Inc. Mon Apr 29 11:51:29 2013 Page 1

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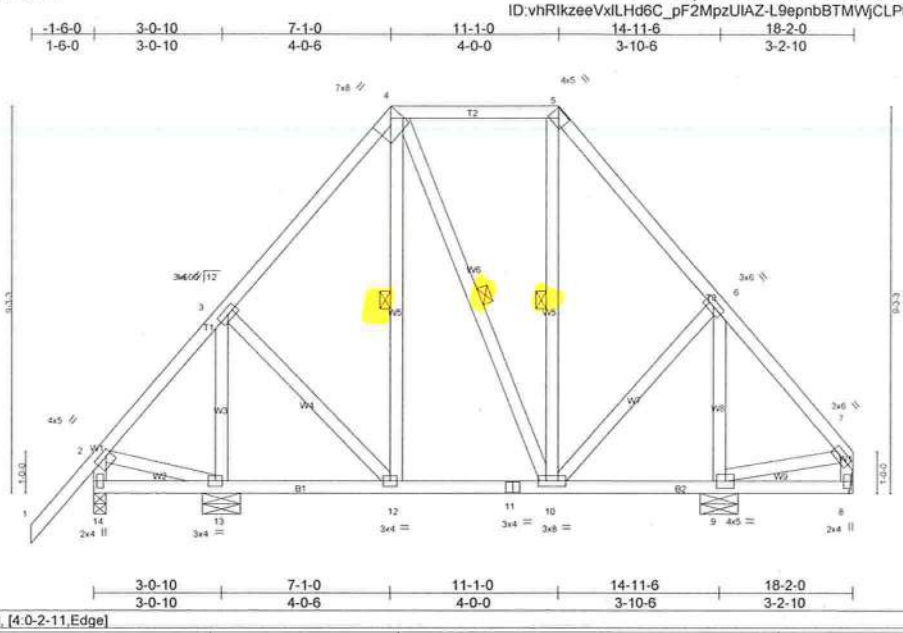

Plate Offsets (X,Y): [2:0-1-8,0-1-8], [4:0-2-11,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.31	Vert(LL)	-0.01	12-13	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.10	Vert(TL)	-0.01	12-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.19	Horz(TL)	-0.00	8	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 148 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 13-14.
WEBS 1 Row at midpt 4-12, 4-10, 5-10

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS All bearings 0-10-13 except (jt=length) 14=0-3-8, 8=Mechanical.
(lb) - Max Horz 14=271(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 8 except 14=-104(LC 8), 13=-186(LC 12), 9=-154(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 8 except 14=279(LC 2), 13=380(LC 2), 9=394(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-385/196, 5-6=-384/205, 2-14=-269/110
WEBS 3-13=-460/197, 6-9=-454/198

NOTES (9-11)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=28ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8 except (jt=lb) 14=104, 13=186, 9=154.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
10) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
11) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

April 29,201

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.
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Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	ADAMS - DUARTE RES.
460382	T19	Piggyback Base Truss	5	1	I6672948
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 — 7.350 s Sep 27 2012 MiTek Industries, Inc. Mon Apr 29 11:51:31 2013 Page 1

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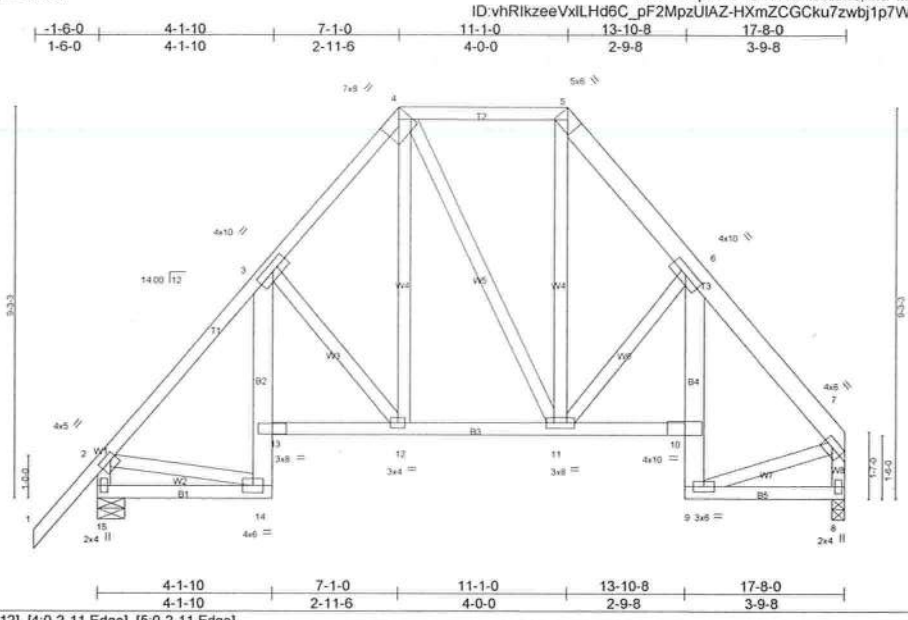

Plate Offsets (X,Y): [2:0-1-12,0-1-12], [4:0-2-11,Edge], [5:0-2-11,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.43	Vert(LL)	-0.05	10-11	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.53	Vert(TL)	-0.10	10-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.30	Horz(TL)	0.18	8	n/a	n/a		
BCDL	5.0	Code	FBC2010/TPI2007	(Matrix-M)							Weight: 160 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2 *Except* T3: 2x6 SYP No.2
BOT CHORD 2x4 SP No.2 *Except* B2,B4: 2x6 SYP No.2
WEBS 2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 13-14,9-10.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 15=618/0-7-10 (min. 0-1-8), 8=764/0-3-8 (min. 0-1-8)
Max Horz 15=207(LC 9)
Max Uplift 15=-94(LC 12), 8=-127(LC 12)
Max Grav 15=736(LC 2), 8=905(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-787/273, 3-4=-832/362, 4-5=-586/306, 5-6=-900/389, 6-7=-1044/359, 2-15=-856/339, 7-8=-1080/363
BOT CHORD 12-13=-181/588, 11-12=-104/418, 10-11=-209/791
WEBS 3-12=-329/209, 4-12=-138/303, 5-11=-193/449, 6-11=-608/305, 2-14=-49/365, 7-9=-143/565

NOTES (10-12)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=28ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 15 except (jt=lb) 8=127.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 531 lb down and 173 lb up at 14-2-12 on top chord. The design/selection of such connection device(s) is the responsibility of others.
10) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
11) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
12) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-44, 2-4=-44, 4-5=-44, 5-7=-44, 14-15=-10, 10-13=-10, 8-9=-10

Continued on page 2

JULIUS S.K. LEE LICENSE No 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

April 29,2013

Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	ADAMS - DUARTE RES.
460382	T19A	Piggyback Base Truss	1	2	I6672949

Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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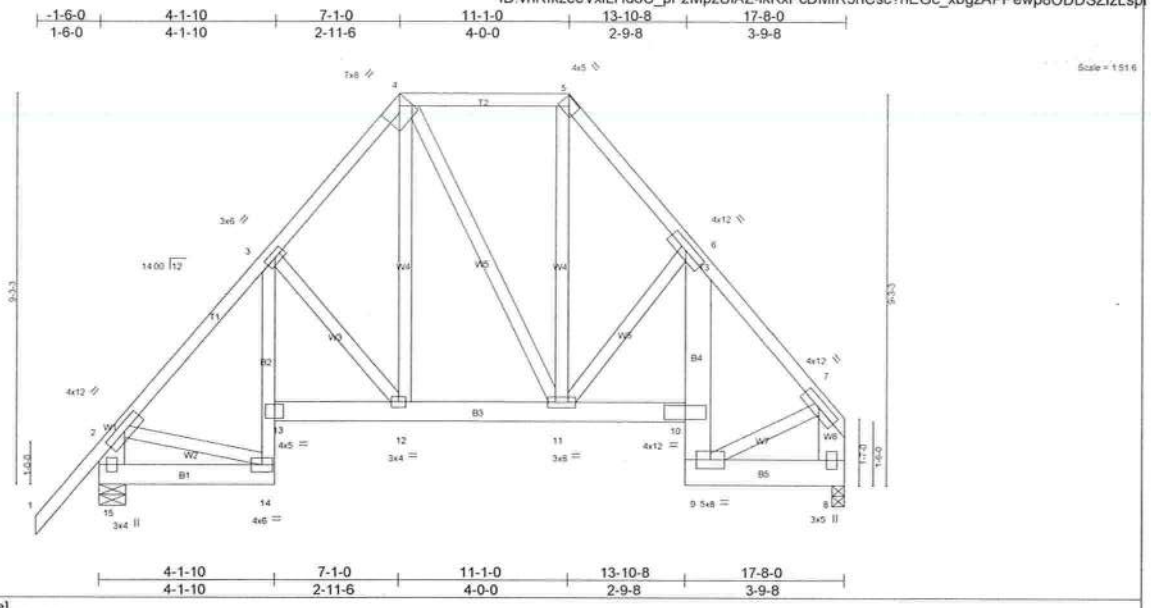

Plate Offsets (X,Y): [4:0-2-11,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.13	Vert(LL)	-0.04	12-13	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.70	Vert(TL)	-0.07	12-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.28	Horz(TL)	0.13	8	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 340 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SYP No.2 *Except*
B2: 2x4 SP No.2, B4,B5: 2x8 SYP DSS
WEBS 2x4 SP No.3 *Except*
W1,W8: 2x8 SYP DSS

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) 15=853/0-7-10 (min. 0-1-8), 8=1800/0-3-8 (min. 0-1-8)
Max Horz 15=191(LC 5)
Max Uplift 15=-149(LC 8), 8=-368(LC 8)
Max Grav 15=1014(LC 2), 8=2133(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1033/169, 3-4=-1063/239, 4-5=-829/214, 5-6=-1329/287, 6-7=-2158/398, 2-15=-1088/185, 7-8=-2246/398
BOT CHORD 12-13=-199/715, 11-12=-155/664, 10-11=-273/1668, 9-10=-418/83, 6-10=-296/1470
WEBS 4-12=-100/280, 4-11=-171/460, 5-11=-185/790, 6-11=-1335/352, 2-14=-61/628, 7-9=-233/1392

NOTES (12-14)
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, 2x8 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc, 2x8 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=28ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope); 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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 15=149, 8=368.
10) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1958 lb down and 382 lb up at 14-2-2 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
12) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
13) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
14) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

Continued on page 2

JULIUS S.K. LEE LICENSE No 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

April 29,201

Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	ADAMS - DUARTE RES.
460382	T20	Piggyback Base Truss	2	1	I6672950
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 — 7.350 s Sep 27 2012 MiTek Industries, Inc. Mon Apr 29 11:51:33 2013 Page 1

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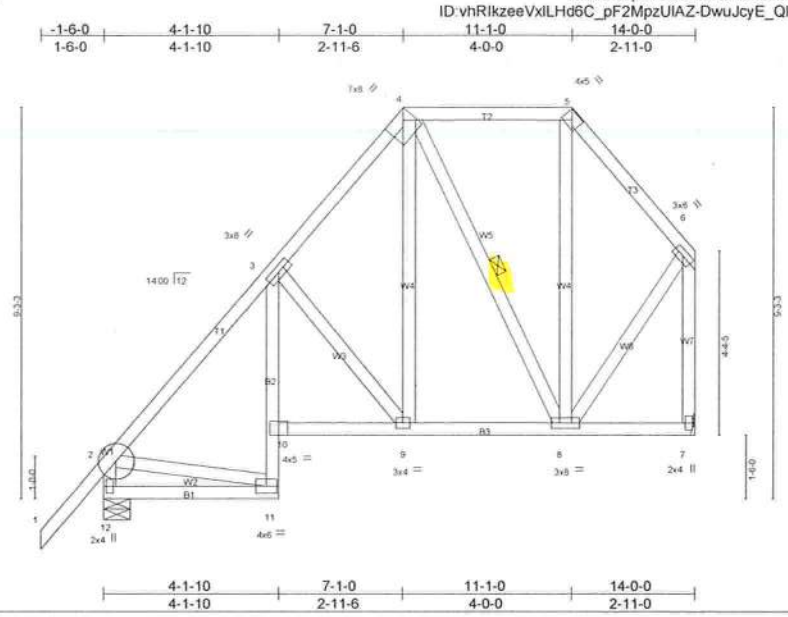

Plate Offsets (X,Y): [4:0-2-11,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.44	Vert(LL)	0.07	9-10	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.65	Vert(TL)	-0.10	9-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.22	Horz(TL)	0.14	7	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 121 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 10-11.
WEBS 1 Row at midpt 4-8

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 12=447/0-7-10 (min. 0-1-8), 7=366/Mechanical
Max Horz 12=199(LC 12)
Max Uplift 12=-44(LC 12), 7=-82(LC 12)
Max Grav 12=533(LC 2), 7=433(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-515/171, 3-4=-492/267, 5-6=-328/180, 2-12=-618/257, 6-7=-504/231
BOT CHORD 11-12=-265/271, 9-10=-245/424
WEBS 3-9=-287/228, 4-9=-191/324

NOTES (10-13)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=28ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 12, 7.
8) Following joints to be plated by qualified designer: Joint(s) 2, not plated.
9) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
10) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
11) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
12) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435
13) Use Simpson HTU26 to attach Truss to Carrying member

LOAD CASE(S) Standard

JULIUS S.K. LEE LICENSE No 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

April 29,201

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Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	ADAMS - DUARTE RES.	I6672952
460382	T22	Monopitch Truss	1	2	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055

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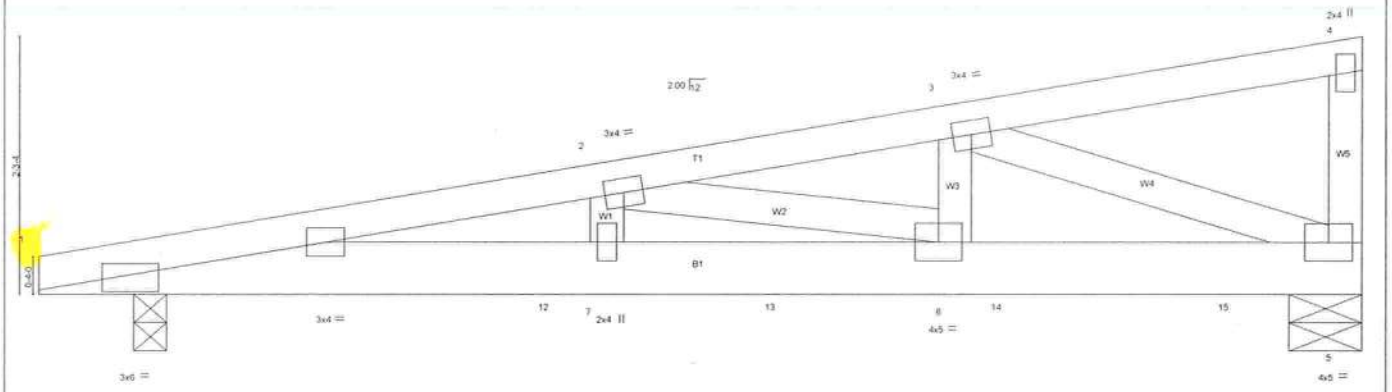
5-0-0	3-0-14	3-6-12

Scale = 1:19.2



0-11-12	5-0-0	8-0-14	11-7-10
0-11-12	4-0-4	3-0-14	3-6-12

Plate Offsets (X,Y): [1:0-6-10,0-0-3]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.30	Vert(LL)	-0.08	7	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.57	Vert(TL)	-0.14	7	>981	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.40	Horz(TL)	0.02	5	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 116 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-4-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 5=1332/0-7-10 (min. 0-1-8), 1=1465/0-3-8 (min. 0-1-8)
Max Horz 1=52(LC 4)
Max Uplift 5=-392(LC 4), 1=-566(LC 4)
Max Grav 5=1587(LC 2), 1=1741(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-1=-2582/802, 1-2=-4914/1528, 2-3=-2866/826
BOT CHORD 1-1=-935/2892, 1-12=-1541/4839, 7-12=-1541/4839, 7-13=-1541/4839, 6-13=-1541/4839, 6-14=-837/2822, 14-15=-837/2822, 5-15=-837/2822
WEBS 2-7=-260/735, 2-6=-2083/727, 3-6=-374/1299, 3-5=-2941/878

NOTES (10-12)
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) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=28ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope); cantilever left exposed ; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 5=392, 1=566.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 715 lb down and 234 lb up at 2-6-12, 558 lb down and 187 lb up at 4-6-12, 558 lb down and 187 lb up at 6-6-12, and 171 lb down and 45 lb up at 8-6-12, and 592 lb down and 84 lb up at 10-6-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
10) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
11) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
12) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25

Continued on page 2

JULIUS S.K. LEE LICENSE No 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

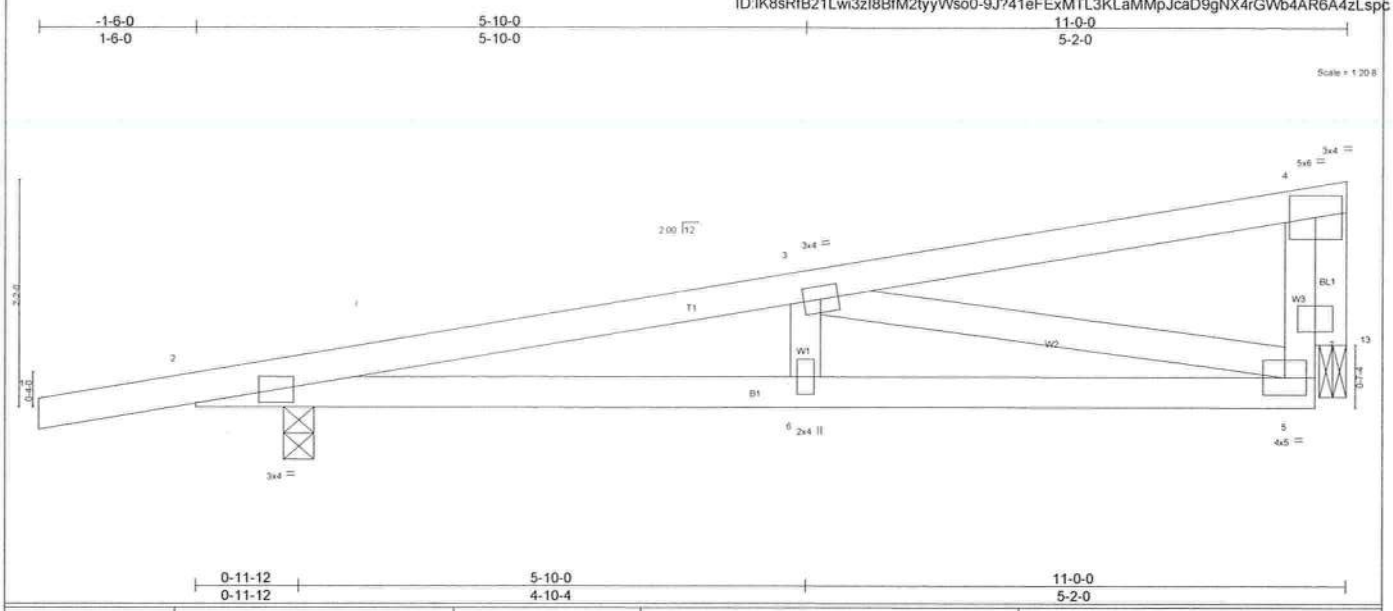
April 29,201

Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	ADAMS - DUARTE RES.
460382	T23	Monopitch Truss	3	1	I6672953
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 — 7.350 s Sep 27 2012 MiTek Industries, Inc. Mon Apr 29 11:51:35 2013 Page 1

ID:IK8sRfB21Lwi3zI8BfM2tyyWso0-9J?41eFExMTL3KLaMMpJcaD9gNX4rGWb4AR6A4zLspc



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	0.10	5-6	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.25	Vert(TL)	0.08	5-6	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.35	Horz(TL)	-0.01	13	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 47 lb	FT = 20%

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

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 2=393/0-3-8 (min. 0-1-8), 13=244/0-3-0 (min. 0-1-8)
Max Horz 2=81(LC 8)
Max Uplift2=-318(LC 8), 13=-197(LC 8)
Max Grav 2=468(LC 2), 13=289(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-800/1051, 5-7=-315/178, 4-7=-315/178
BOT CHORD 2-6=-1088/769, 5-6=-1088/769
WEBS 3-5=-682/975

NOTES (8-10)
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=28ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
5) Bearing at joint(s) 13 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=318, 13=197.
7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
9) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
10) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

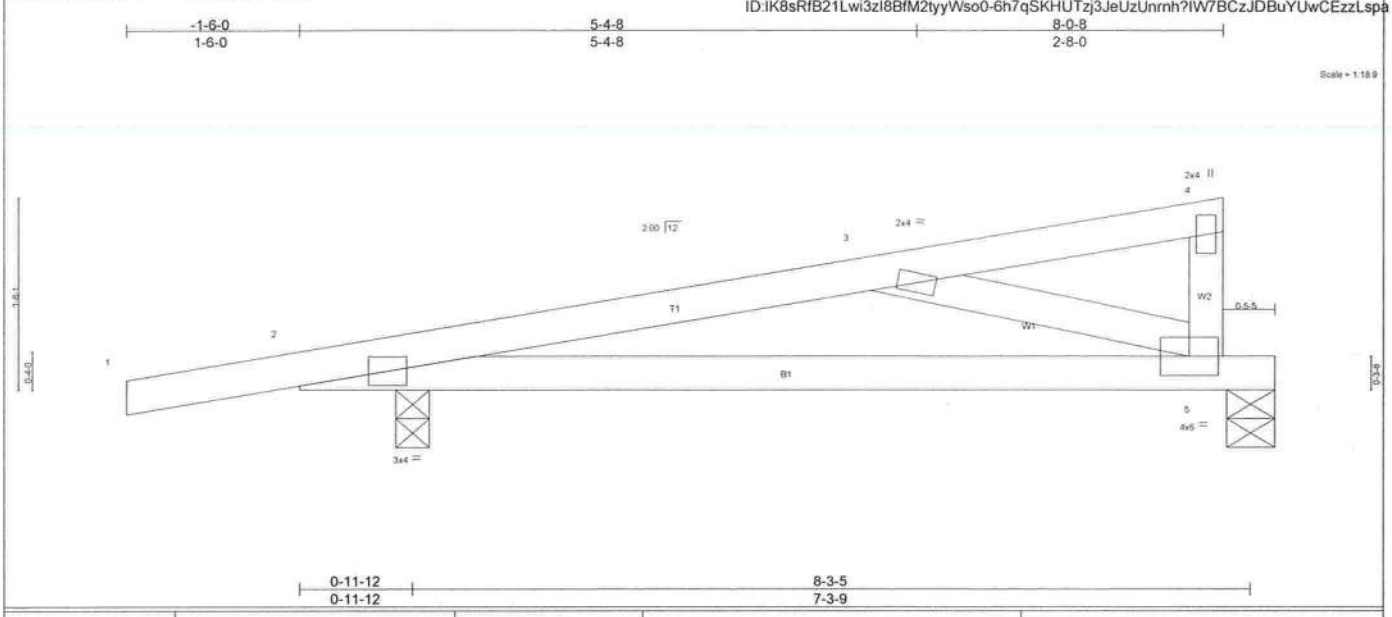
April 29,2013

Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	ADAMS - DUARTE RES.
460382	T25	Monopitch Truss	1	1	I6672955
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 — 7.350 s Sep 27 2012 MiTek Industries, Inc. Mon Apr 29 11:51:37 2013 Page 1

ID:IK8sRfB21Lwi3zI8BfM2tyyWso0-6h7qSKHUTzj3JeUzUnrnh?IW7BCzJDBuYUwCEzzLspa



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.23	Vert(LL)	0.13	5-10	>737	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.29	Vert(TL)	0.11	5-10	>890	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.15	Horz(TL)	-0.01	5	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 33 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-6-4 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 5=176/0-4-15 (min. 0-1-8), 2=316/0-3-8 (min. 0-1-8)
Max Horz 2=45(LC 8)
Max Uplift 5=-102(LC 8), 2=-189(LC 8)
Max Grav 5=209(LC 2), 2=378(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-9=-130/258, 2-3=-426/469
BOT CHORD 2-10=-252/127, 2-5=-507/418
WEBS 3-5=-416/457

NOTES (7-9)
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=28ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone; cantilever left exposed ; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 5=102, 2=189.
6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
8) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
9) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

JULIUS S.K. LEE LICENSE No 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

April 29,2013

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI1 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	ADAMS - DUARTE RES.
460382	T27	Monopitch Truss	1	2	I6672957

Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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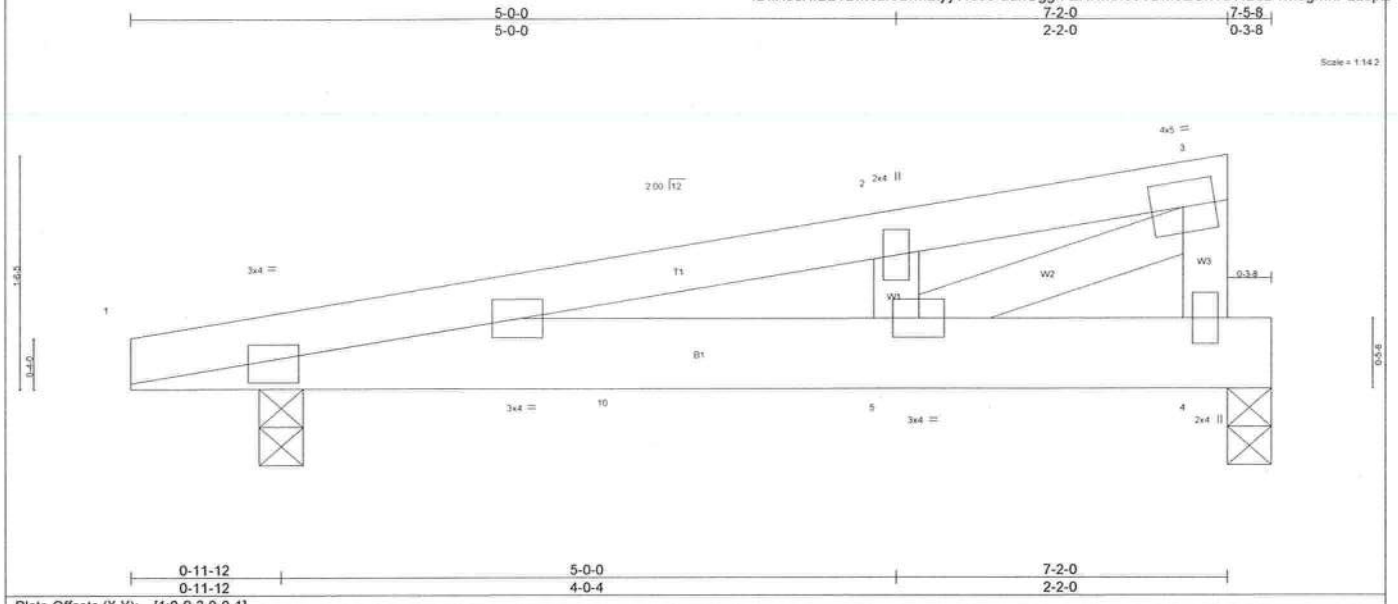

Plate Offsets (X,Y): [1:0-9-2,0-0-1]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.13	Vert(LL)	-0.02	5-9	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.31	Vert(TL)	-0.04	5-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.35	Horz(TL)	0.00	4	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 66 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SYP 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) 4=619/0-3-8 (min. 0-1-8), 1=1091/0-3-8 (min. 0-1-8)
Max Horz 1=32(LC 4)
Max Uplift 4=-183(LC 4), 1=-291(LC 4)
Max Grav 4=736(LC 2), 1=1297(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-1=-971/212, 1-2=-1615/356, 2-3=-1614/367, 3-4=-655/155
BOT CHORD 1-1=-257/1082, 1-10=-365/1588, 5-10=-365/1588
WEBS 3-5=-397/1732

NOTES (10-12)
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) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=28ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope); cantilever left exposed ; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 4=183, 1=291.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 528 lb down and 108 lb up at 1-2-12, and 528 lb down and 108 lb up at 3-2-12, and 528 lb down and 108 lb up at 5-2-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
10) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
11) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
12) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-44, 1-4=-10

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JULIUS S.K. LEE LICENSE No 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

April 29,201

Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	ADAMS - DUARTE RES.
460382	T28	Half Hip Truss	1	1	I6672958
					Job Reference (optional)

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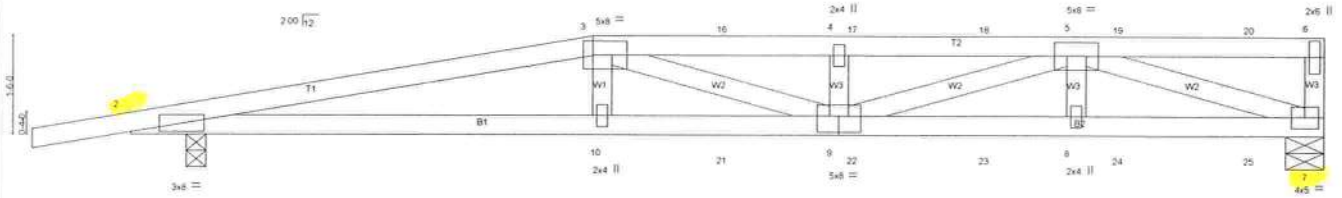
ID:IK8sRfB21Lwi3zI8BfM2tyyWso0-24Fbt0II?aznYxeLbCuFnQOh__mOnyZA?oPJJszLspY

-1-6-0 | 7-0-0 | 10-8-15 | 14-4-1 | 18-1-0

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

Scale = 1:33.1



0-11-12 | 7-0-0 | 10-8-15 | 14-4-1 | 18-1-0

0-11-12 | 6-0-4 | 3-8-15 | 3-7-3 | 3-8-15

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.91	Vert(LL)	0.32	9-10	>664	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.81	Vert(TL)	-0.51	9-10	>420	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.86	Horz(TL)	0.08	7	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 77 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
B1: 2x4 SYP No.1
WEBS 2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-1-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-0-0 oc bracing.
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 7=842/0-7-0 (min. 0-1-8), 2=837/0-3-8 (min. 0-1-8)
Max Horz 2=41(LC 4)
Max Uplift 7=-501(LC 4), 2=-512(LC 4)
Max Grav 7=994(LC 2), 2=992(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-14=-258/176, 2-2=-528/309, 2-3=-3196/1658, 3-16=-3455/1772, 4-16=-3455/1772, 4-17=-3455/1772, 17-18=-3455/1772, 5-18=-3455/1772
BOT CHORD 2-15=-167/251, 2-11=-321/534, 2-10=-1641/3119, 10-21=-1658/3135, 9-21=-1658/3135, 9-22=-1195/2358, 22-23=-1195/2358, 8-23=-1195/2358, 8-24=-1195/2358, 24-25=-1195/2358, 7-25=-1195/2358
WEBS 3-10=-144/283, 3-9=-160/498, 4-9=-361/131, 5-9=-609/1157, 5-7=-2377/1205

NOTES (11-13)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=28ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope); cantilever left exposed ; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=501, 2=512.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 74 lb down and 56 lb up at 7-0-0, 74 lb down and 56 lb up at 9-0-12, 74 lb down and 56 lb up at 11-0-12, 74 lb down and 56 lb up at 13-0-12, and 74 lb down and 56 lb up at 15-0-12, and 74 lb down and 56 lb up at 17-0-12 on top chord, and 191 lb down and 171 lb up at 7-0-0, 46 lb down and 44 lb up at 9-0-12, 46 lb down and 44 lb up at 11-0-12, 46 lb down and 44 lb up at 13-0-12, and 46 lb down and 44 lb up at 15-0-12, and 46 lb down and 44 lb up at 17-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
11) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
12) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
13) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

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JULIUS S.K. LEE LICENSE No 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

April 29,201

Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	ADAMS - DUARTE RES.
460382	T29	Half Hip Truss	1	1	I6672959
					Job Reference (optional)

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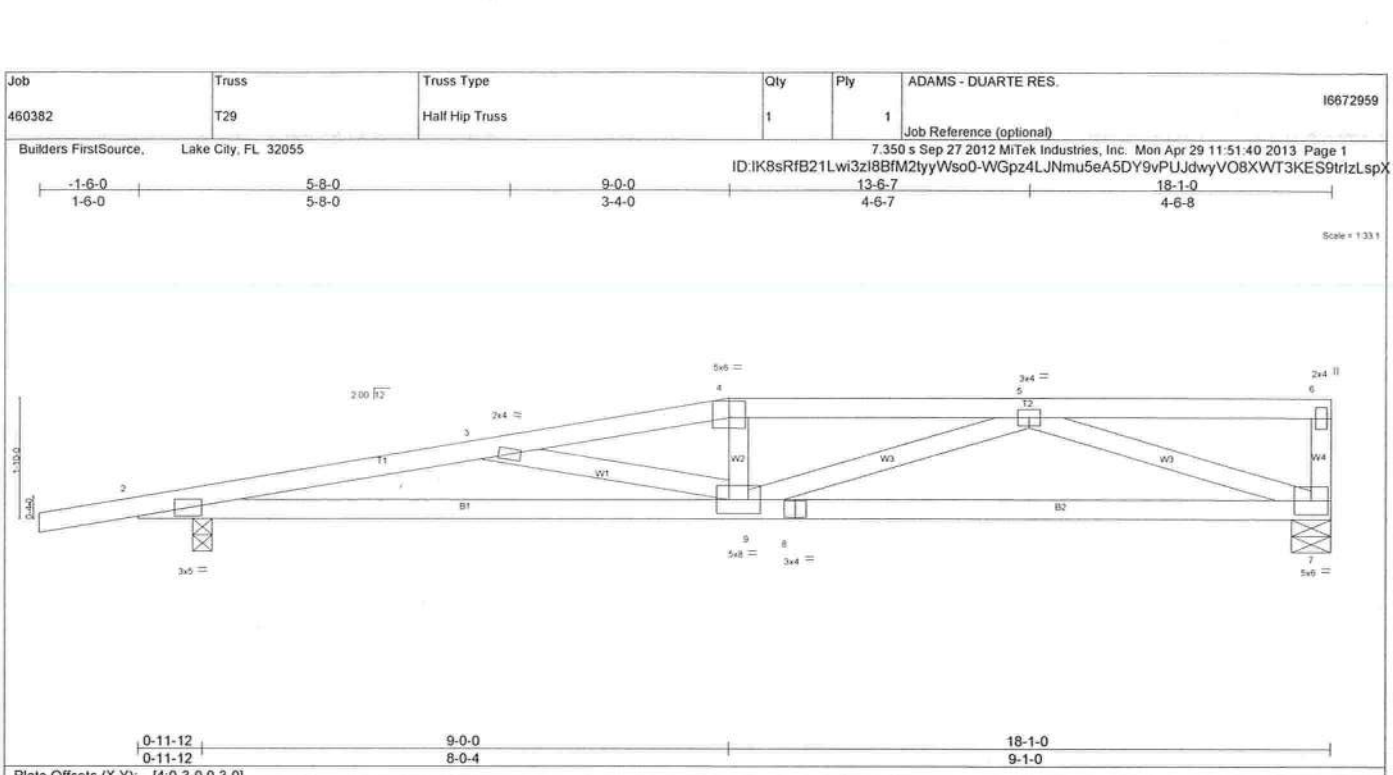


Plate Offsets (X,Y): [4:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.55	Vert(LL)	0.47	7-9	>461	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.62	Vert(TL)	0.37	7-9	>583	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.58	Horz(TL)	-0.05	7	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 79 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-10-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 3-9-5 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 7=455/0-7-0 (min. 0-1-8), 2=580/0-3-8 (min. 0-1-8)
Max Horz 2=50(LC 8)
Max Uplift 7=-261(LC 8), 2=-340(LC 8)
Max Grav 7=539(LC 2), 2=690(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-13=-266/399, 2-2=-229/325, 2-3=-1803/2045, 3-4=-1518/1885, 4-5=-1490/1915
BOT CHORD 2-14=-379/260, 2-10=-316/245, 2-9=-2048/1750, 8-9=-1235/1153, 7-8=-1235/1153
WEBS 3-9=-301/178, 5-9=-725/457, 5-7=-1162/1193

NOTES (9-11)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=28ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone; cantilever left exposed ; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=261, 2=340.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
10) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
11) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

April 29,201

Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

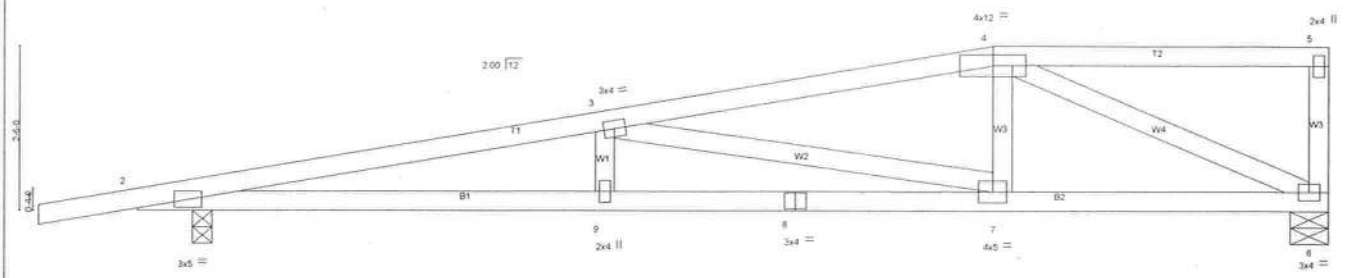
Job	Truss	Truss Type	Qty	Ply	ADAMS - DUARTE RES.
460382	T31	Half Hip Truss	1	1	I6672961
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 — 7.350 s Sep 27 2012 MiTek Industries, Inc. Mon Apr 29 11:51:41 2013 Page 1

ID:IK8sRfB21Lwi3zI8BfM2tyyWso0-_TNLIhK?XCDVoFokjdwjsrT6ZoVTFvqTT6uQNkzLspW

-1-6-0	7-1-3	13-0-0	18-1-0
1-6-0	7-1-3	5-10-13	5-1-0

Scale = 1:33.1



0-11-12	7-1-3	13-0-0	18-1-0
0-11-12	6-1-7	5-10-13	5-1-0

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.59	Vert(LL)	0.35	7-9	>611	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.58	Vert(TL)	-0.28	7-9	>779	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.68	Horz(TL)	-0.06	6	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 79 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-0-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 3-8-10 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 6=455/0-7-0 (min. 0-1-8), 2=580/0-3-8 (min. 0-1-8)
Max Horz 2=68(LC 8)
Max Uplift6=-263(LC 8), 2=-338(LC 8)
Max Grav 6=539(LC 2), 2=690(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-13=-186/320, 2-2=-222/342, 2-3=-1786/2120, 3-4=-934/1091
BOT CHORD 2-14=-301/183, 2-10=-356/233, 2-9=-2146/1735, 8-9=-2146/1735, 7-8=-2146/1735, 6-7=-1126/911
WEBS 3-7=-856/1073, 4-7=-482/305, 4-6=-966/1201

NOTES (9-11)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=28ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone; cantilever left exposed ; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=263, 2=338.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
10) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
11) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

JULIUS S.K. LEE LICENSE No 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

April 29,201

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design paramenters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI1 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

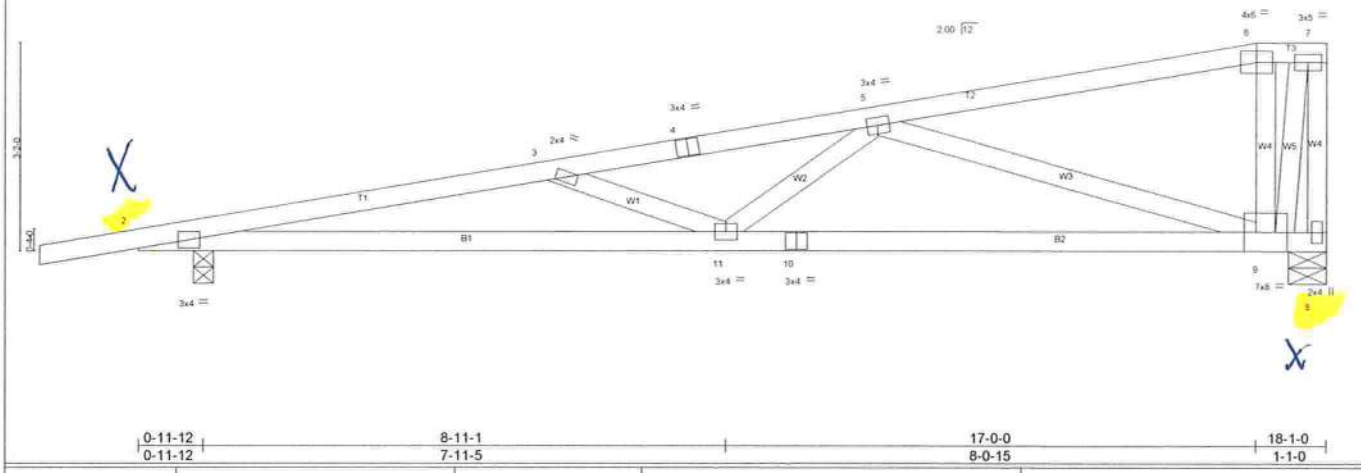
Job	Truss	Truss Type	Qty	Ply	ADAMS - DUARTE RES.
460382	T33	Half Hip Truss	1	1	I6672963
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 — 7.350 s Sep 27 2012 MiTek Industries, Inc. Mon Apr 29 11:51:43 2013 Page 1

ID:IK8sRfB21Lwi3zI8BfM2tyyWso0-wrU5jNMF3pUD1Zy6q1yBxGYTNbCOjlEmwQNXSdzLspU

-1-6-0	6-6-0	11-3-0	17-0-0	18-1-0
1-6-0	6-6-0	4-9-0	5-9-0	1-1-0

Scale = 1:33.1



0-11-12	8-11-1	17-0-0	18-1-0
0-11-12	7-11-5	8-0-15	1-1-0

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.57	Vert(LL)	0.26	9-11	>782	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.48	Vert(TL)	0.21	9-11	>990	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.88	Horz(TL)	-0.04	9	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 85 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-7-10 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 4-3-8 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 8=-991/0-7-0 (min. 0-1-8), 9=1517/0-7-0 (min. 0-1-8), 2=509/0-3-8 (min. 0-1-8)
Max Horz 2=86(LC 8)
Max Uplift 8=-1170(LC 2), 9=-882(LC 8), 2=-294(LC 8)
Max Grav 8=589(LC 8), 9=1792(LC 2), 2=607(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-15=-223/345, 2-3=-1419/1566, 3-4=-1030/1321, 4-5=-1011/1325, 5-6=-319/283, 6-7=-304/272, 7-8=-1092/1004
BOT CHORD 2-16=-326/218, 2-12=-256/186, 2-11=-1634/1375, 10-11=-838/746, 9-10=-838/746
WEBS 3-11=-425/289, 5-11=-682/433, 5-9=-1053/1187, 6-9=-324/253, 7-9=-953/1053

NOTES (10-12)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=28ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone; cantilever left exposed ; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=1170, 9=882, 2=294.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) This truss has large uplift reaction(s) from gravity load case(s). Proper connection is required to secure truss against upward movement at the bearings. Building designer must provide for uplift reactions indicated.
10) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
11) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
12) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

JULIUS S.K. LEE LICENSE No 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

April 29,2013

Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	ADAMS - DUARTE RES.
460382	T34G	Monopitch Truss	1	1	I6672965
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 — 7.350 s Sep 27 2012 MiTek Industries, Inc. Mon Apr 29 11:51:45 2013 Page 1

ID:IK8sRfB21Lwi3zI8BfM2tyyWso0-tEcs83NWbQkwGs6VyS?f0heqEPxEBr43NkseWVzLspS

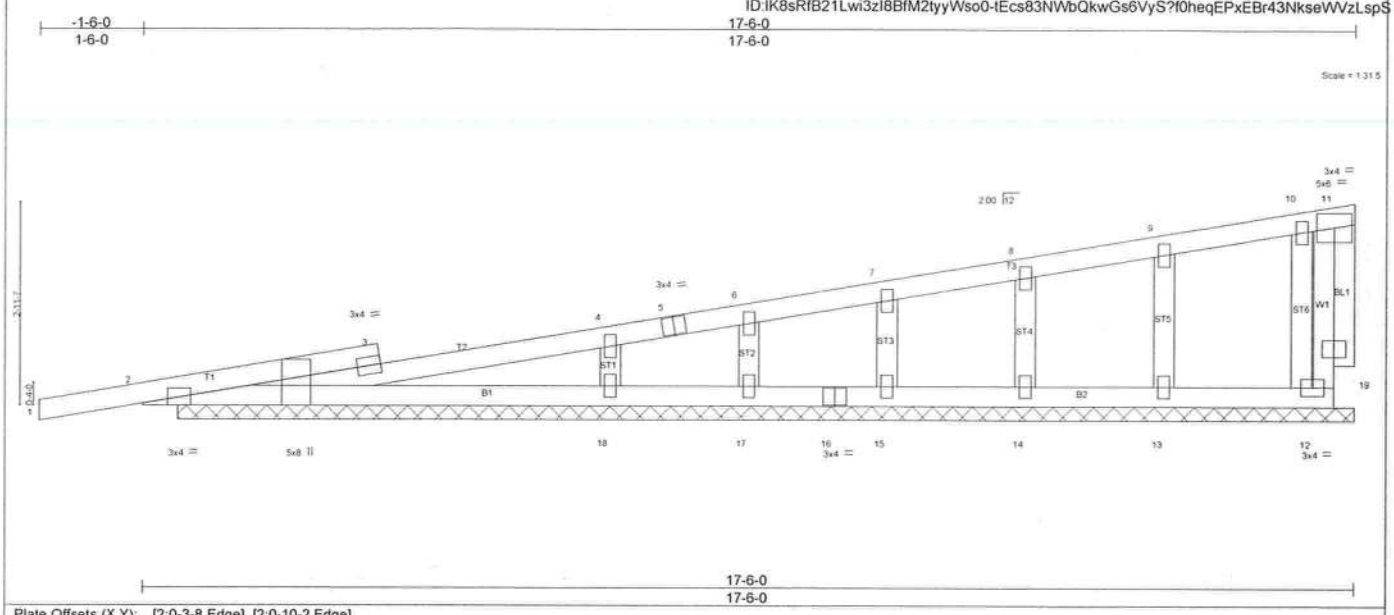


Plate Offsets (X,Y): [2:0-3-8,Edge], [2:0-10-2,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.48	Vert(LL)	-0.00	1	n/r	120	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.27	Vert(TL)	0.02	1	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.09	Horz(TL)	-0.00	12	n/a	n/a		
BCDL	5.0	Code	FBC2010/TPI2007	(Matrix)							Weight: 76 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS All bearings 17-0-0.
(lb) - Max Horz 2=112(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 12, 17, 15, 14, 13 except 2=-132(LC 8), 18=-159(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 12, 17, 15, 14, 13 except 2=271(LC 2), 18=439(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 4-18=-367/217

NOTES (11-13)
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=28ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) 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) All plates are 2x4 MT20 unless otherwise indicated.
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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 12, 17, 15, 14, 13 except (jt=lb) 2=132, 18=159.
9) Non Standard bearing condition. Review required.
10) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
11) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
12) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
13) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

JULIUS S.K. LEE LICENSE No 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

April 29,2013

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI1 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	ADAMS - DUARTE RES.
460382	T36	Monopitch Truss	3	1	I6672967
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 — 7.350 s Sep 27 2012 MiTek Industries, Inc. Mon Apr 29 11:51:46 2013 Page 1

ID:IK8sRfB21Lwi3zI8BfM2tyyWso0-LQAELPO8Mksnu0ghVAWuZuA16pCgw6oCcOcB3yzLspR

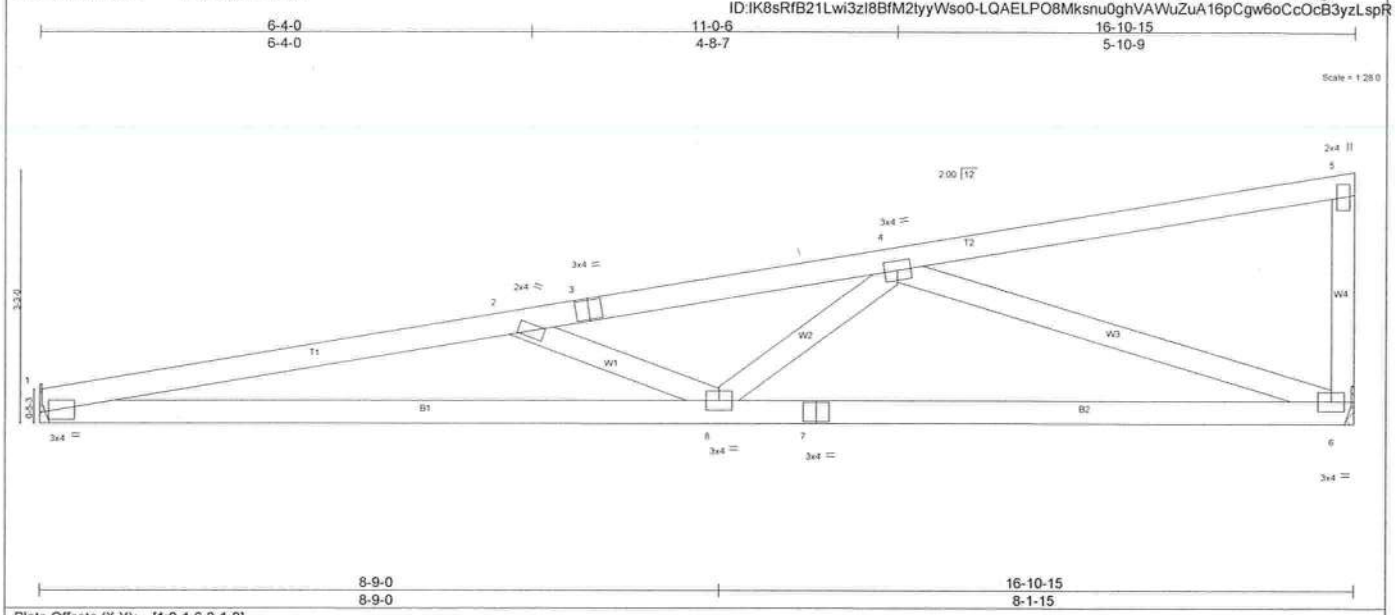


Plate Offsets (X,Y): [1:0-1-6,0-1-2]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.35	Vert(LL)	-0.12	6-8	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.64	Vert(TL)	-0.24	6-8	>824	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.89	Horz(TL)	0.05	6	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 72 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-10-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-2-10 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 1=454/Mechanical, 6=452/Mechanical
Max Horz 1=75(LC 8)
Max Uplift 1=-98(LC 8), 6=-111(LC 8)
Max Grav 1=538(LC 2), 6=535(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1890/806, 2-3=-1444/549, 3-4=-1412/555
BOT CHORD 1-8=-886/1871, 7-8=-529/1106, 6-7=-529/1106
WEBS 2-8=-485/305, 4-8=-100/494, 4-6=-1137/549

NOTES (7-10)
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=28ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1 except (jt=lb) 6=111.
6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
8) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
9) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435
10) Use Simpson HTU26 to attach Truss to Carrying member

LOAD CASE(S) Standard

JULIUS S.K. LEE LICENSE No 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

April 29,2013

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Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	ADAMS - DUARTE RES.
460382	T38	Monopitch Truss	1	1	I6672969
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 — 7.350 s Sep 27 2012 MiTek Industries, Inc. Mon Apr 29 11:51:48 2013 Page 1
ID:IK8sRfB21Lwi3zI8BfM2tyyWso0-HpI_m5POuL6V7Kq4dbYMeJFJtcxSOCZV4i5I7qzLspP

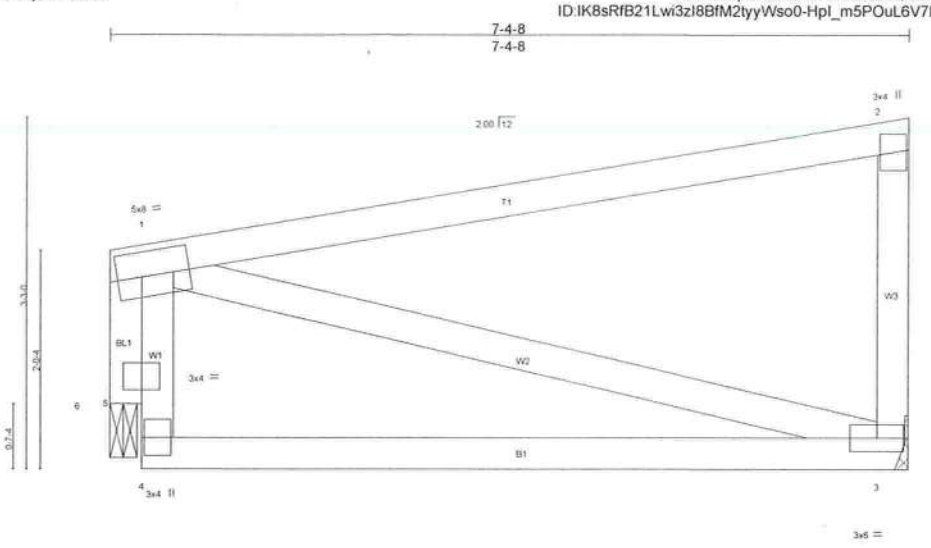

Plate Offsets (X,Y): [1:0-1-12,0-2-12]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.52	Vert(LL)	0.18	3-4	>469	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.36	Vert(TL)	0.15	3-4	>566	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.10	Horz(TL)	-0.00	6	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 40 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 3=191/Mechanical, 6=175/0-3-0 (min. 0-1-8)
Max Horz 3=30(LC 12)
Max Uplift 3=-120(LC 8), 6=-90(LC 8)
Max Grav 3=227(LC 2), 6=208(LC 2)

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

NOTES (8-11)
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=28ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
5) Bearing at joint(s) 6 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6 except (jt=lb) 3=120.
7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
9) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
10) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435
11) Use Simpson HTU26 to attach Truss to Carrying member

LOAD CASE(S) Standard

April 29,201

Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	ADAMS - DUARTE RES.
460382	T39G	Monopitch Truss	1	1	I6672971
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 — 7.350 s Sep 27 2012 MiTek Industries, Inc. Mon Apr 29 11:51:49 2013 Page 1

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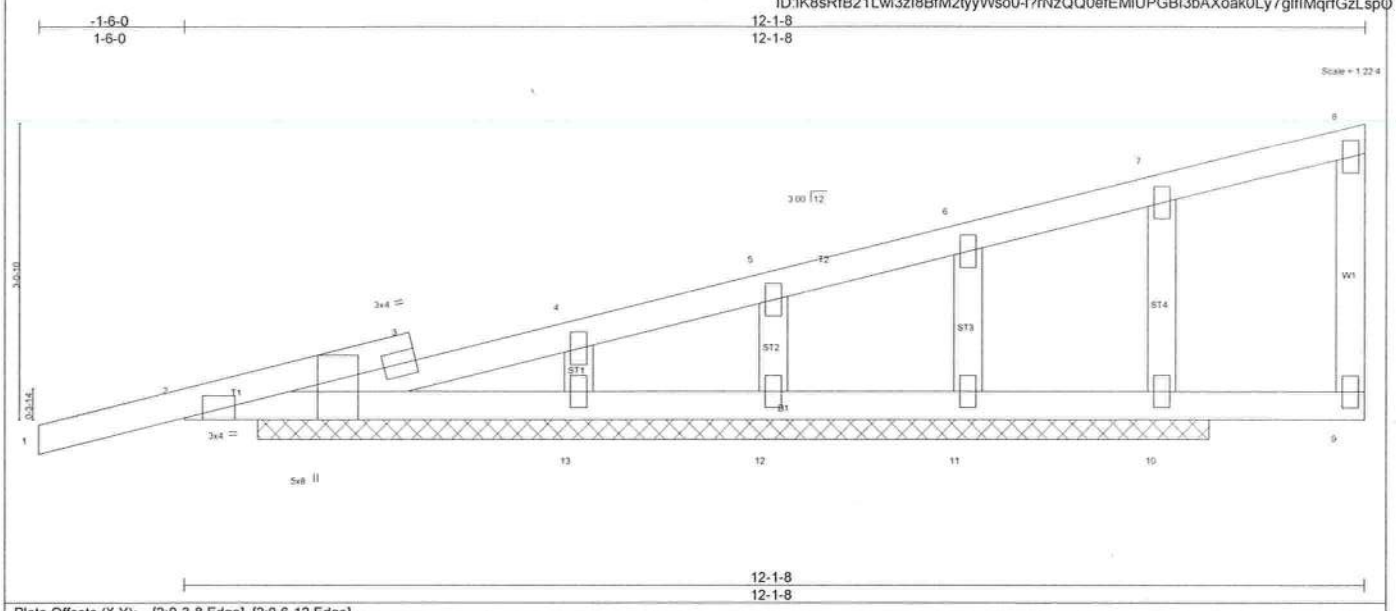

12-1-8
12-1-8

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.13	Vert(LL)	0.00	1	n/r	120	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.09	Vert(TL)	0.00	1	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(TL)	-0.00	10	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix)							Weight: 52 lb	FT = 20%

LUMBER

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

BRACING

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS All bearings 9-9-10.
(lb) - Max Horz 2=123(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 12, 13, 11, 10 except 2=-106(LC 8)
Max Grav All reactions 250 lb or less at joint(s) 2, 12, 13, 11, 10

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

NOTES (11-13)

1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=28ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) 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) All plates are 2x4 MT20 unless otherwise indicated.
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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 12, 13, 11, 10 except (jt=lb) 2=106.
9) Non Standard bearing condition. Review required.
10) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
11) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
12) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
13) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

JULIUS S.K. LEE LICENSE No 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

April 29,201

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI1 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	ADAMS - DUARTE RES.
460382	T40G	Monopitch Truss	1	1	I6672973
					Job Reference (optional)

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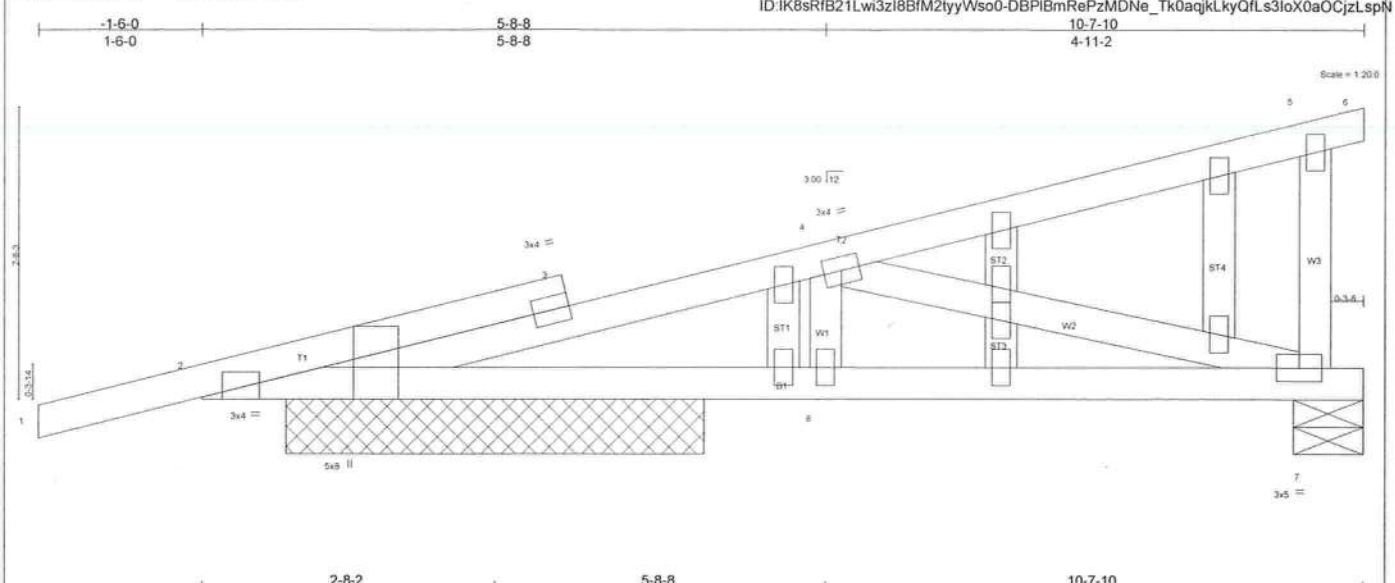

Plate Offsets (X,Y): [2:0-3-8,Edge], [2:0-6-12,Edge], [11:0-1-9,0-1-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.23	Vert(LL)	0.07	7-8	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.21	Vert(TL)	-0.05	8	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.28	Horz(TL)	-0.01	7	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 54 lb	FT = 20%

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

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 2=378/3-10-0 (min. 0-1-8), 7=258/0-7-10 (min. 0-1-8)
Max Horz 2=110(LC 8)
Max Uplift2=-217(LC 8), 7=-189(LC 8)
Max Grav 2=451(LC 2), 7=306(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-595/512, 3-4=-615/539
BOT CHORD 2-16=-253/236, 2-8=-604/620, 7-8=-604/620
WEBS 4-7=-609/581

NOTES (10-12)
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=28ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) 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) All plates are 2x4 MT20 unless otherwise indicated.
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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=217, 7=189.
9) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
10) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
11) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
12) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

JULIUS S.K. LEE LICENSE No 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

April 29,201

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design paramenters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI1 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	ADAMS - DUARTE RES.
460382	T42	Common Truss	4	1	I6672975
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 — 7.350 s Sep 27 2012 MiTek Industries, Inc. Mon Apr 29 11:51:52 2013 Page 1

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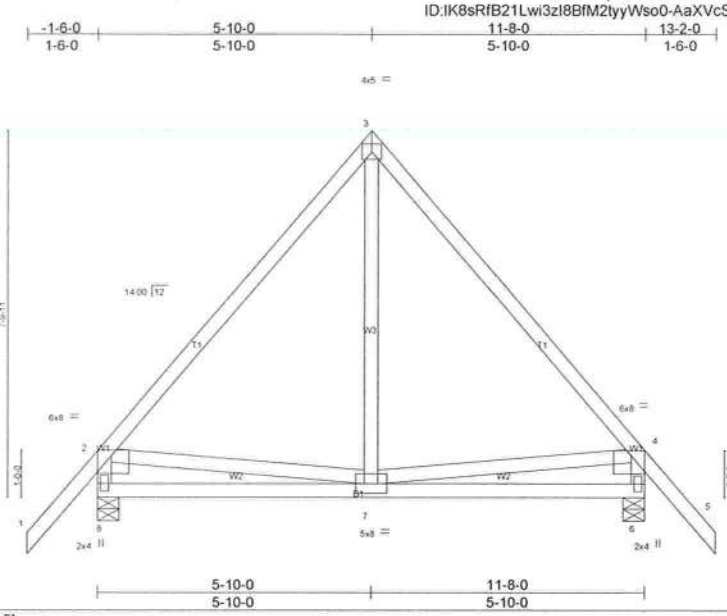


Plate Offsets (X,Y): [2:Edge,0-1-5], [4:Edge,0-1-5]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.86	Vert(LL)	0.06	6-7	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.25	Vert(TL)	0.05	6-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.40	Horz(TL)	0.01	6	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 80 lb	FT = 20%

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

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 8=380/0-5-8 (min. 0-1-8), 6=380/0-5-8 (min. 0-1-8)
Max Horz 8=250(LC 11)
Max Uplift 8=-118(LC 12), 6=-118(LC 13)
Max Grav 8=453(LC 2), 6=453(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-394/365, 3-4=-395/365, 2-8=-516/420, 4-6=-515/420
BOT CHORD 7-8=-338/355, 6-7=-243/391
WEBS 3-7=-356/184, 2-7=-299/343, 4-7=-293/347

NOTES (8-10)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=28ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=118, 6=118.
7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
9) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
10) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

April 29,2013

Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

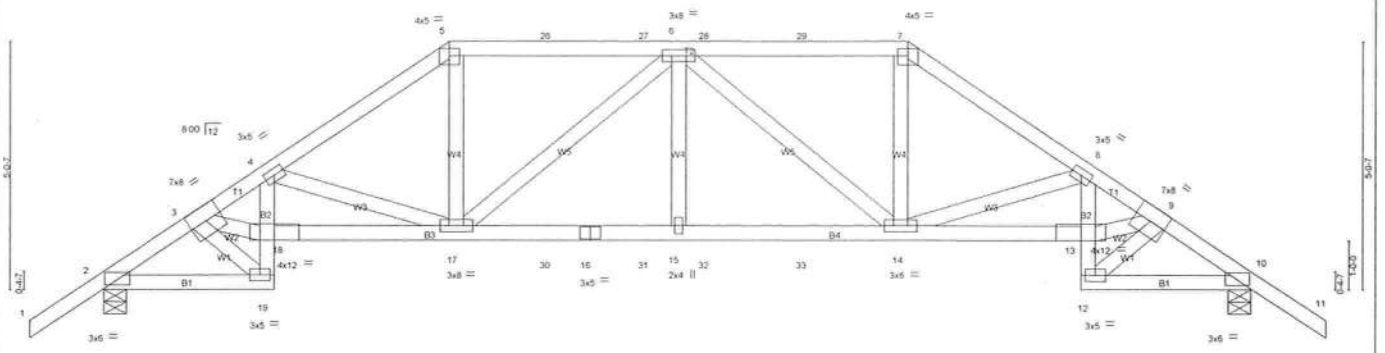
Job	Truss	Truss Type	Qty	Ply	ADAMS - DUARTE RES. I6672977
460382	T43	Hip Truss	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 — 7.350 s Sep 27 2012 MiTek Industries, Inc. Mon Apr 29 11:51:55 2013 Page 1

ID:IK8sRfB21Lwi3zI8BfM2tyyWso0-a9DeEUVnEV_WTPsQXZA?Qo2TkRDJXA4XhII9twzLspI

-1-6-0	1-11-3	3-5-8	7-0-0	11-8-0	16-4-0	19-10-8	21-4-13	23-4-0	24-10-0
1-6-0	1-11-3	1-6-5	3-6-8	4-8-0	4-8-0	3-6-8	1-6-5	1-11-3	1-6-0

Scale = 1:44.2



3-5-8	7-0-0	11-8-0	16-4-0	19-10-8	23-4-0
3-5-8	3-6-8	4-8-0	4-8-0	3-6-8	3-5-8

Plate Offsets (X,Y): [2:0-6-4,0-0-14], [5:0-2-8,0-1-13], [7:0-2-8,0-1-13], [10:0-6-4,0-0-14]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.74	Vert(LL)	-0.16	15	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.80	Vert(TL)	-0.31	14-15	>900	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.95	Horz(TL)	0.23	10	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 137 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-11-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-7-3 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 2=1155/0-5-8 (min. 0-1-10), 10=1155/0-5-8 (min. 0-1-10)
Max Horz 2=-94(LC 6)
Max Uplift 2=-388(LC 8), 10=-388(LC 9)
Max Grav 2=1369(LC 2), 10=1369(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1766/519, 3-4=-3001/908, 4-5=-2300/724, 5-26=-1913/638, 26-27=-1913/638, 6-27=-1913/638, 6-28=-1913/625, 28-29=-1913/625, 7-29=-1913/625, 7-8=-2300/709, 8-9=-3001/872, 9-10=-1766/526
BOT CHORD 2-19=-669/2216, 18-19=-265/900, 4-18=-119/454, 17-18=-802/2653, 17-30=-648/2262, 16-30=-648/2262, 16-31=-648/2262, 15-31=-648/2262, 15-32=-648/2262, 32-33=-648/2262, 14-33=-648/2262, 13-14=-712/2653, 12-13=-230/900, 8-13=-100/454, 10-12=-595/2216
WEBS 3-19=-1422/434, 3-18=-702/2336, 4-17=-817/280, 5-17=-266/949, 6-17=-521/180, 6-15=0/252, 6-14=-521/179, 7-14=-267/949, 8-14=-817/258, 9-13=-621/2336, 9-12=-1422/382

NOTES (11-13)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=28ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope); 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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=388, 10=388.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 60 lb down and 70 lb up at 7-0-0, 60 lb down and 70 lb up at 9-0-12, 60 lb down and 70 lb up at 11-0-12, 60 lb down and 70 lb up at 12-3-4, and 60 lb down and 70 lb up at 14-3-4, and 60 lb down and 70 lb up at 16-4-0 on top chord, and 267 lb down and 161 lb up at 7-0-0, and 267 lb down and 161 lb up at 16-4-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
11) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
12) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
13) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

Continued on page 2

JULIUS S.K. LEE LICENSE No 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

April 29,2013

Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	ADAMS - DUARTE RES.
460382	T44	Hip Truss	1	1	I6672978
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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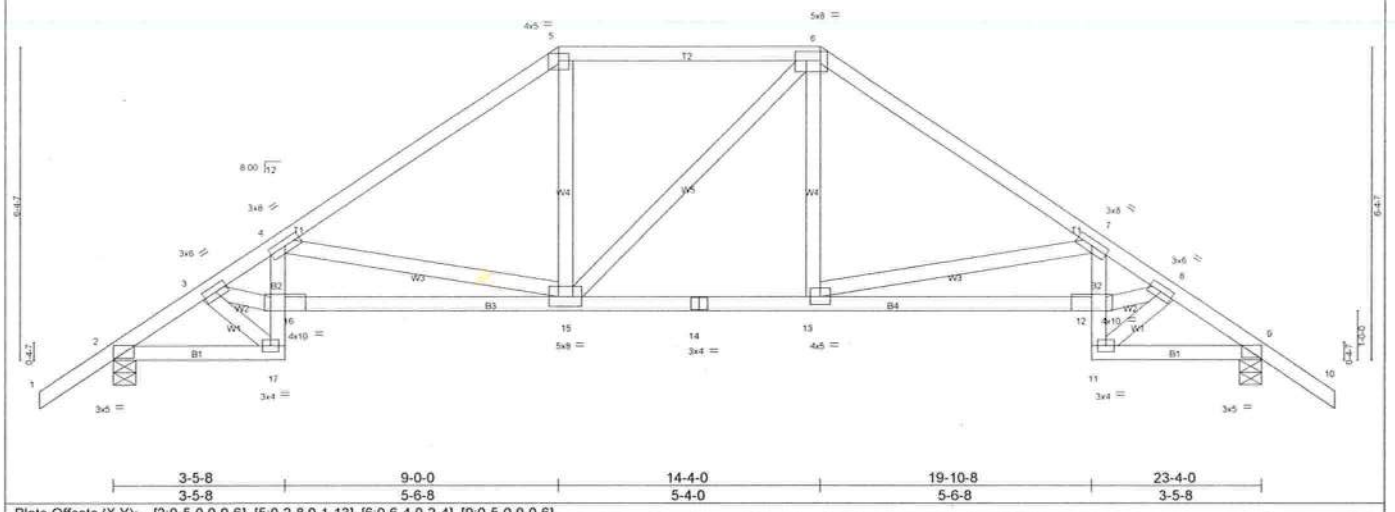
ID:IK8sRfB21Lwi3zI8BfM2tyyWso0-2Ln0RqWP?p6N5ZRc5GhEz?bk7rd8Gg5gvy1jPMzLspH

-1-6-0	1-11-3	3-5-8	9-0-0	14-4-0	19-10-8	21-4-13	23-4-0	24-10-0
1-6-0	1-11-3	1-6-5	5-6-8	5-4-0	5-6-8	1-6-5	1-11-3	1-6-0

Scale = 1:44.2



3-5-8	9-0-0	14-4-0	19-10-8	23-4-0
3-5-8	5-6-8	5-4-0	5-6-8	3-5-8

Plate Offsets (X,Y): [2:0-5-0,0-0-6], [5:0-2-8,0-1-13], [6:0-6-4,0-2-4], [9:0-5-0,0-0-6]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.37	Vert(LL)	-0.08	12-13	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.57	Vert(TL)	-0.18	15-16	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.71	Horz(TL)	0.13	9	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 136 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
B2: 2x4 SP No.3
WEBS 2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-1-4 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
8-9-13 oc bracing: 15-16
8-8-11 oc bracing: 12-13.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 2=696/0-5-8 (min. 0-1-8), 9=696/0-5-8 (min. 0-1-8)
Max Horz 2=-139(LC 10)
Max Uplift2=-115(LC 12), 9=-115(LC 13)
Max Grav 2=828(LC 2), 9=828(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1098/345, 3-4=-1868/545, 4-5=-1126/369, 5-6=-926/362, 6-7=-1133/371, 7-8=-1884/557, 8-9=-1104/342
BOT CHORD 2-17=-350/1619, 16-17=-96/535, 4-16=-12/288, 15-16=-451/1738, 14-15=-112/807, 13-14=-112/807, 12-13=-460/1752, 11-12=-106/550, 7-12=-20/293, 9-11=-384/1674
WEBS 3-17=-841/173, 3-16=-357/1479, 4-15=-964/349, 5-15=-43/278, 6-13=-46/278, 7-13=-974/358, 8-12=-362/1487, 8-11=-859/186

NOTES (9-11)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=28ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=115, 9=115.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
10) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
11) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

April 29,201

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI1 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	ADAMS - DUARTE RES.	I6672980
460382	T46	Special Truss	4	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055

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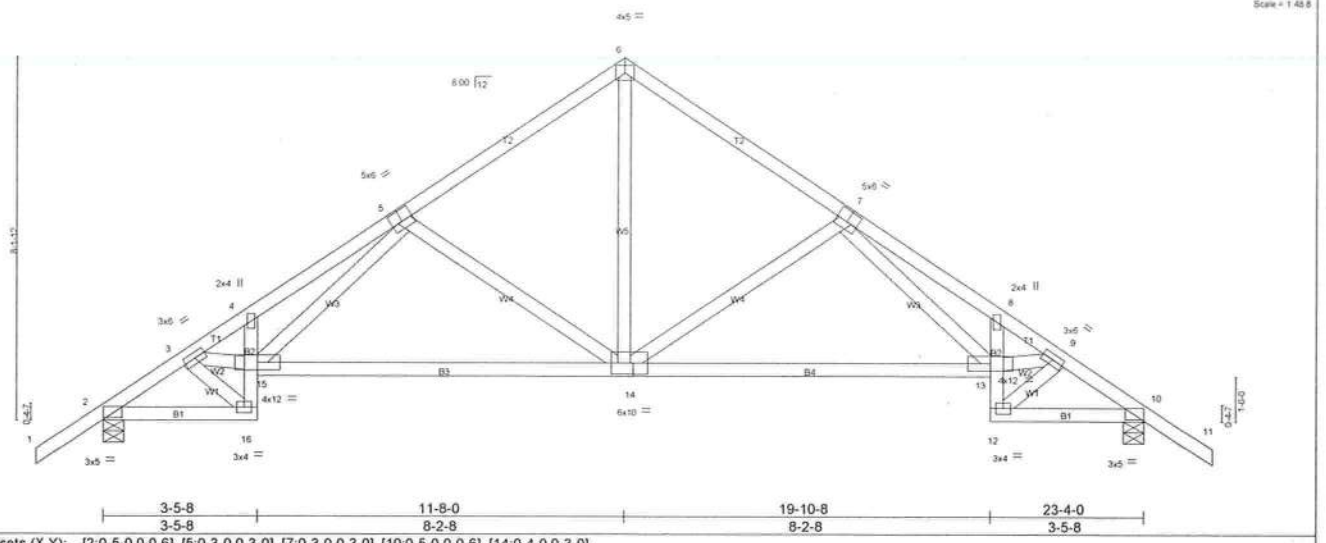
ID:IK8sRfB21Lwi3zI8BfM2tyyWso0-TwS84rYIlkVxy0ABmOFxaeDFN2dzT4e7bvGN0hzLspE

-1-6-0	1-11-3	3-5-8	6-8-11	11-8-0	16-7-5	19-10-8	21-4-13	23-4-0	24-10-0
1-6-0	1-11-3	1-6-5	3-3-3	4-11-5	4-11-5	3-3-3	1-6-5	1-11-3	1-6-0

Scale = 1:48.8



3-5-8	11-8-0	19-10-8	23-4-0
3-5-8	8-2-8	8-2-8	3-5-8

Plate Offsets (X,Y): [2:0-5-0,0-0-6], [5:0-3-0,0-3-0], [7:0-3-0,0-3-0], [10:0-5-0,0-0-6], [14:0-4-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.37	Vert(LL)	-0.15	14-15	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.62	Vert(TL)	-0.31	14-15	>896	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.53	Horz(TL)	0.13	10	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 137 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
B2: 2x4 SP No.3
WEBS 2x4 SP No.3

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 2=696/0-5-8 (min. 0-1-8), 10=696/0-5-8 (min. 0-1-8)
Max Horz 2=-174(LC 10)
Max Uplift 2=-124(LC 12), 10=-124(LC 13)
Max Grav 2=828(LC 2), 10=828(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1172/347, 3-4=-1960/510, 4-5=-2090/577, 5-6=-991/326, 6-7=-1018/334, 7-8=-2101/590, 8-9=-1974/522, 9-10=-1168/344
BOT CHORD 2-16=-316/1692, 15-16=-115/620, 14-15=-209/1112, 13-14=-211/1117, 12-13=-126/634, 10-12=-353/1740
WEBS 6-14=-221/727, 7-14=-548/244, 7-13=-198/834, 9-13=-322/1549, 9-12=-997/219, 5-14=-555/244, 5-15=-184/827, 3-15=-315/1545, 3-16=-981/204

NOTES (8-10)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=28ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=124, 10=124.
7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
9) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
10) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

April 29,2013

Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	ADAMS - DUARTE RES.
460382	T48	Hip Truss	1	1	I6672982
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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ID:IK8sRfB21Lwi3zI8BfM2tyyWso0-PJavUXZYqLIfBKKaupHPg3IbAsOox?ZQ3DIU5azLspC

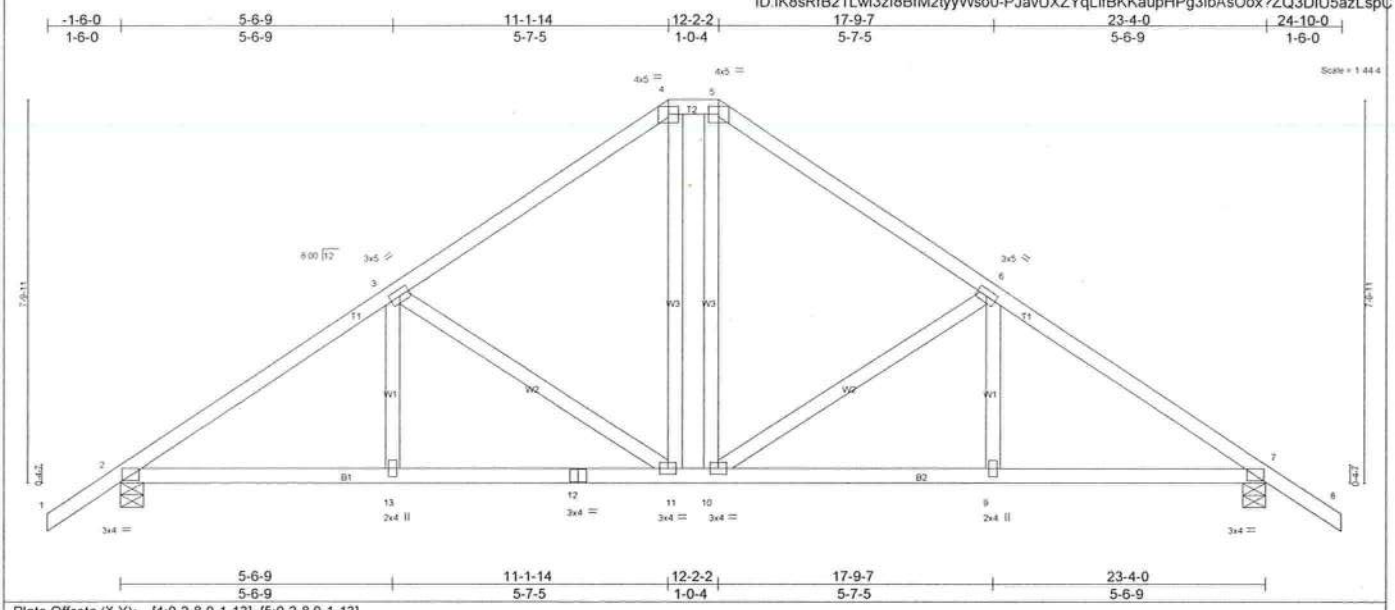


Plate Offsets (X,Y): [4:0-2-8,0-1-13], [5:0-2-8,0-1-13]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.35	Vert(LL)	-0.04	9-10	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.28	Vert(TL)	-0.09	9-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.44	Horz(TL)	0.04	7	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 133 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-11-6 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 2=696/0-5-8 (min. 0-1-8), 7=696/0-5-8 (min. 0-1-8)
Max Horz 2=168(LC 11)
Max Uplift 2=-123(LC 12), 7=-123(LC 13)
Max Grav 2=828(LC 2), 7=828(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1269/371, 3-4=-935/335, 4-5=-758/332, 5-6=-935/335, 6-7=-1269/371
BOT CHORD 2-13=-259/1049, 12-13=-198/981, 11-12=-198/981, 10-11=-29/607, 9-10=-200/984, 7-9=-280/1079
WEBS 3-11=-457/207, 4-11=-94/284, 5-10=-94/284, 6-10=-457/207

NOTES (9-11)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=28ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=123, 7=123.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
10) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
11) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

April 29,201

⚠ ***WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.***
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design paramenters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI1 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

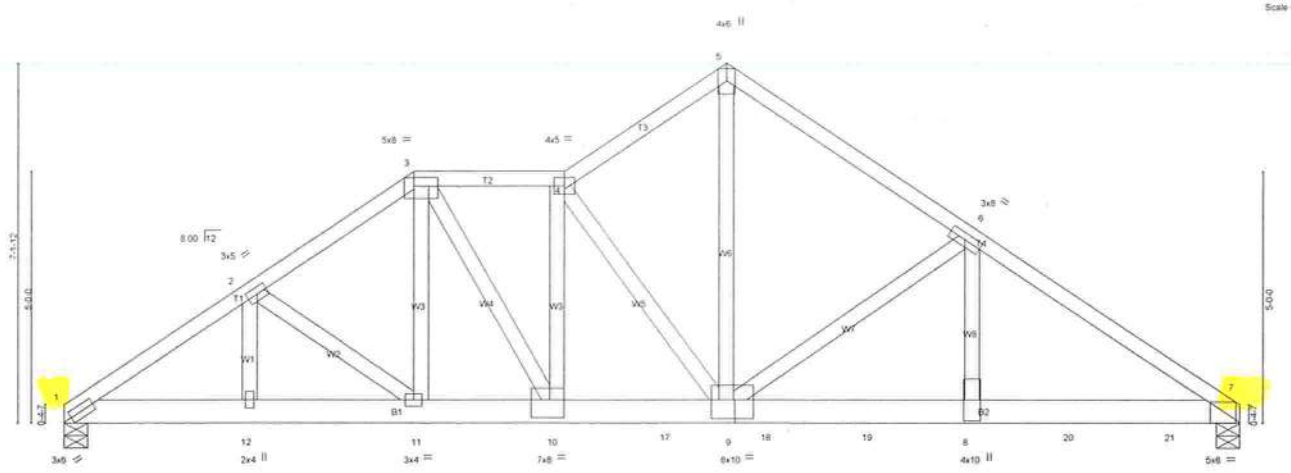
Job	Truss	Truss Type	Qty	Ply	ADAMS - DUARTE RES.
460382	T50	Special Truss	1	2	I6672984
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 — 7.350 s Sep 27 2012 MiTek Industries, Inc. Mon Apr 29 11:52:03 2013 Page 1

ID:IK8sRfB21Lwi3zI8BfM2tyyWso0-LhifvDboLy?NQdUy?EJtlUNmffyDPpUiWXEb9SzLspA

3-8-2	6-11-6	9-11-6	13-2-0	18-0-9	23-4-0
3-8-2	3-3-4	3-0-0	3-2-10	4-10-9	5-3-7

Scale = 1:43.2



3-8-2	6-11-6	9-11-6	13-2-0	18-0-9	23-4-0
3-8-2	3-3-4	3-0-0	3-2-10	4-10-9	5-3-7

Plate Offsets (X,Y): [1:0-2-0,0-1-8], [3:0-5-12,0-2-0], [7:0-3-0,0-2-13], [9:0-4-8,0-4-8], [10:0-3-8,0-4-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	1.00	Vert(LL)	-0.17	9-10	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.79	Vert(TL)	-0.33	9-10	>860	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.79	Horz(TL)	0.09	7	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 310 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SYP No.2 *Except*
B2: 2x6 SYP SS
WEBS 2x4 SP No.3 *Except*
W6: 2x4 SP No.2

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

REACTIONS (lb/size) 1=3363/0-5-8 (min. 0-2-4), 7=5596/0-5-8 (min. 0-3-11)
Max Horz 1=134(LC 5)
Max Uplift 1=-868(LC 8), 7=-1211(LC 9)
Max Grav 1=3791(LC 2), 7=6276(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-6613/1531, 2-3=-6546/1552, 3-4=-7290/1750, 4-5=-6267/1404, 5-6=-6558/1464, 6-7=-9325/1860
BOT CHORD 1-12=-1298/5472, 11-12=-1298/5472, 10-11=-1254/5412, 10-17=-1691/7311, 9-17=-1691/7311, 9-18=-1504/7698, 18-19=-1504/7698, 8-19=-1504/7698, 8-20=-1504/7698, 20-21=-1504/7698, 7-21=-1504/7698
WEBS 3-11=-90/376, 3-10=-868/3576, 4-10=-695/7, 4-9=-3531/1028, 5-9=-1515/6774, 6-9=-2874/555, 6-8=-460/2917

NOTES (12-14)
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 0-7-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=28ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope); 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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=868, 7=1211.
10) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 2455 lb down and 791 lb up at 10-0-12, 1005 lb down and 208 lb up at 12-0-12, 1007 lb down and 183 lb up at 14-0-12, 996 lb down and 180 lb up at 16-0-12, 996 lb down and 175 lb up at 18-0-12, and 1060 lb down and 178 lb up at 20-0-12, and 1073 lb down and 178 lb up at 22-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

Continued on page 2

JULIUS S.K. LEE LICENSE No 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

April 29,201

Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	ADAMS - DUARTE RES.
460382	T51	Half Hip Truss	1	1	I6672985
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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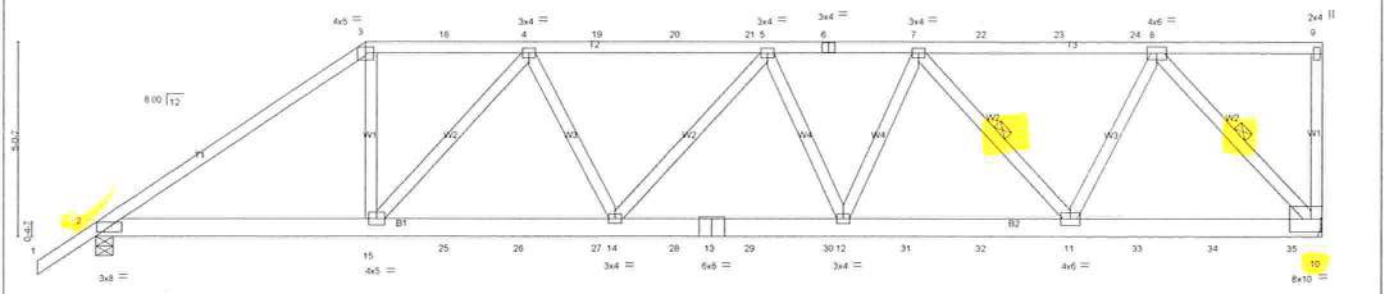
ID:IK8sRfB21Lwi3zI8BfM2tyyWso0-puF17ZcQ6G7E2n39Zyq6Hhwxk3JI8EDsIBz8hvzLsp9

-1-6-0	7-0-0	11-2-15	17-5-5	21-4-2	27-6-7	31-9-6
1-6-0	7-0-0	4-2-15	6-2-5	3-10-13	6-2-5	4-2-15

Scale = 1:58.4



7-0-0	13-5-12	19-4-10	25-3-10	31-9-6
7-0-0	6-5-12	5-10-14	5-10-15	6-5-12

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.97	Vert(LL)	-0.20	12-14	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.71	Vert(TL)	-0.38	12-14	>998	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.96	Horz(TL)	0.10	10	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 202 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2 *Except* T1: 2x4 SYP No.1
BOT CHORD 2x6 SYP No.2
WEBS 2x4 SP No.3

BRACING

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 10=2073/Mechanical, 2=1709/0-5-8 (min. 0-2-6)
Max Horz 2=148(LC 8)
Max Uplift 10=-781(LC 5), 2=-636(LC 8)
Max Grav 10=2465(LC 2), 2=2031(LC 2)

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

TOP CHORD 2-3=-3266/1114, 3-18=-2673/967, 4-18=-2673/967, 4-19=-3648/1304, 19-20=-3648/1304, 20-21=-3648/1304, 5-21=-3648/1304, 5-6=-3559/1264, 6-7=-3559/1264, 7-22=-2470/845, 22-23=-2470/845, 23-24=-2470/845, 8-24=-2470/845
BOT CHORD 2-15=-950/2627, 15-25=-1239/3417, 25-26=-1239/3417, 26-27=-1239/3417, 14-27=-1239/3417, 14-28=-1320/3679, 13-28=-1320/3679, 13-29=-1320/3679, 29-30=-1320/3679, 12-30=-1320/3679, 12-31=-1169/3290, 31-32=-1169/3290, 11-32=-1169/3290, 11-33=-598/1718, 33-34=-598/1718, 34-35=-598/1718, 10-35=-598/1718
WEBS 3-15=-523/1486, 4-15=-1197/467, 4-14=-181/575, 5-12=-311/145, 7-12=-245/696, 7-11=-1267/500, 8-11=-572/1741, 8-10=-2569/900

NOTES (12-15)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=28ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope); 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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
7) Provide metal plate or equivalent at bearing(s) 10 to support reaction shown.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 10=781, 2=636.
9) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 22 lb down and 51 lb up at 7-0-0, 22 lb down and 51 lb up at 9-0-12, 22 lb down and 51 lb up at 11-0-12, 22 lb down and 51 lb up at 13-0-12, 22 lb down and 51 lb up at 15-0-12, 22 lb down and 51 lb up at 17-0-12, 22 lb down and 51 lb up at 19-0-12, 22 lb down and 51 lb up at 21-0-12, 22 lb down and 51 lb up at 23-0-12, and 22 lb down and 51 lb up at 25-0-12, and 22 lb down and 51 lb up at 27-0-12 on top chord, and 361 lb down and 186 lb up at 7-0-0, 120 lb down and 51 lb up at 9-0-12, 120 lb down and 51 lb up at 11-0-12, 120 lb down and 51 lb up at 13-0-12, 120 lb down and 51 lb up at 15-0-12, 120 lb down and 51 lb up at 17-0-12, 120 lb down and 51 lb up at 19-0-12, 120 lb down and 51 lb up at 21-0-12, 120 lb down and 51 lb up at 23-0-12, 120 lb down and 51 lb up at 25-0-12, 120 lb down and 51 lb up at 27-0-12, and 298 lb down and 71 lb up at 29-0-12, and 285 lb down and 68 lb up at 31-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

Continued on page 2

JULIUS S.K. LEE LICENSE No 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

April 29,2013

Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	ADAMS - DUARTE RES. I6672986
460382	T52	Half Hip Truss	1	1	Job Reference (optional)

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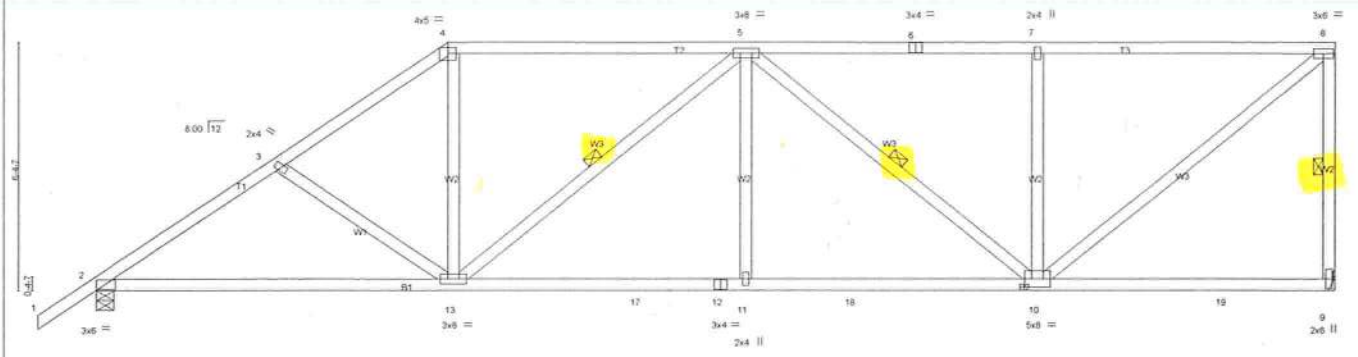
ID:IK8sRfB21Lwi3zI8BfM2tyyWso0-H4pQKvd2taF5gxdL7fLLqvTCvTiCtgx?_rjhELzLsp8

-1-6-0	4-8-7	9-0-0	16-7-11	24-1-11	31-9-6
1-6-0	4-8-7	4-3-9	7-7-11	7-5-15	7-7-11

Scale = 1:55.8



9-0-0	16-7-11	24-1-11	31-9-6
9-0-0	7-7-11	7-5-15	7-7-11

Plate Offsets (X,Y): [2:0-3-9,0-1-8], [4:0-2-8,0-1-13]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.63	Vert(LL)	-0.11	13-16	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.57	Vert(TL)	-0.21	13-16	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.99	Horz(TL)	0.06	9	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 184 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-3-5 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-5-9 oc bracing.
WEBS 1 Row at midpt 8-9, 5-13, 5-10

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 9=1015/Mechanical, 2=1007/0-5-8 (min. 0-1-8)
Max Horz 2=184(LC 12)
Max Uplift 9=-198(LC 9), 2=-132(LC 9)
Max Grav 9=1015(LC 1), 2=1099(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1778/568, 3-4=-1565/526, 4-5=-1301/486, 5-6=-1145/415, 6-7=-1145/415, 7-8=-1145/415, 8-9=-1084/431
BOT CHORD 2-13=-622/1534, 13-17=-578/1617, 12-17=-578/1617, 11-12=-578/1617, 11-18=-578/1617, 10-18=-578/1617
WEBS 3-13=-295/168, 4-13=-118/512, 5-13=-469/133, 5-11=0/266, 5-10=-607/210, 7-10=-432/250, 8-10=-525/1448

NOTES (9-12)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=28ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 5.0psf.
6) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=198, 2=132.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
10) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
11) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435
12) Use Simpson HTU26 to attach Truss to Carrying member

LOAD CASE(S) Standard

JULIUS S.K. LEE LICENSE No 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

April 29,201

Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	ADAMS - DUARTE RES.
460382	T54	Special Truss	1	1	I6672988
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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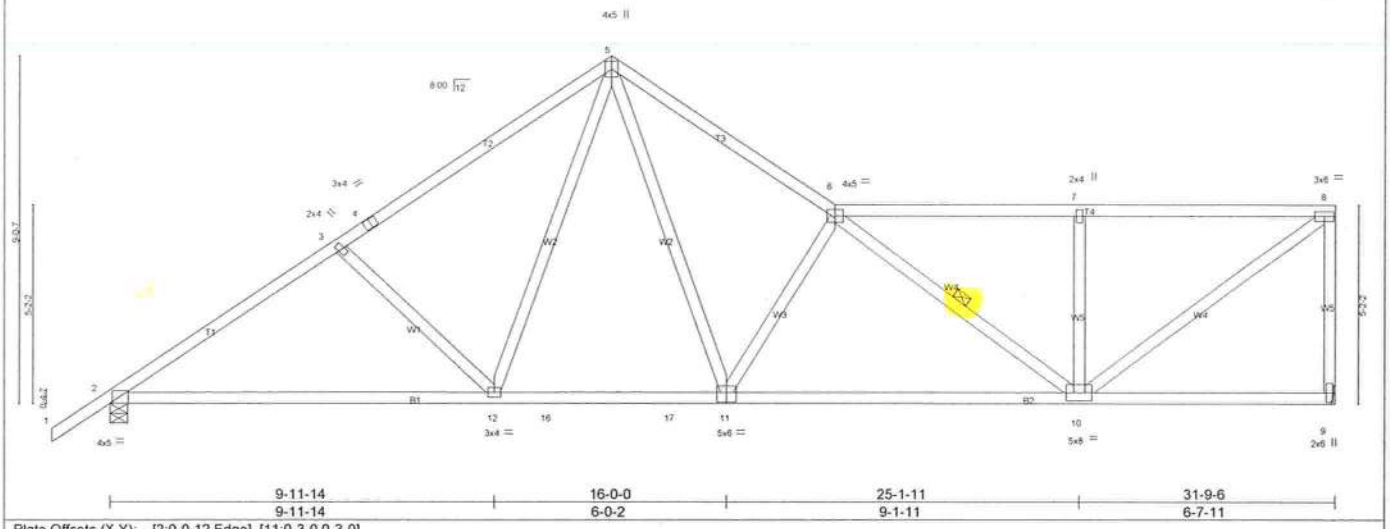
ID:IK8sRfB21Lwi3zI8BfM2tyyWso0-ETxAlaeJPBVpvFnkE4OpvJYVuHLeLerIR9ColEzLsp6

-1-6-0	5-11-14	13-0-0	18-9-8	25-1-11	31-9-6
1-6-0	5-11-14	7-0-2	5-9-8	6-4-3	6-7-11

Scale = 1:56.6



9-11-14	16-0-0	25-1-11	31-9-6
9-11-14	6-0-2	9-1-11	6-7-11

Plate Offsets (X,Y): [2:0-0-12,Edge], [11:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.79	Vert(LL)	-0.19	10-11	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.70	Vert(TL)	-0.38	10-11	>990	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.71	Horz(TL)	0.06	9	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 183 lb	FT = 20%

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

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 9=888/Mechanical, 2=982/0-5-8 (min. 0-1-9)
Max Horz 2=189(LC 12)
Max Uplift 9=-170(LC 13), 2=-145(LC 12)
Max Grav 9=1006(LC 2), 2=1100(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1858/556, 3-4=-1627/503, 4-5=-1534/533, 5-6=-1809/607, 6-7=-1262/432, 7-8=-1262/432, 8-9=-1083/405
BOT CHORD 2-12=-560/1567, 12-16=-325/1087, 16-17=-325/1087, 11-17=-325/1087, 10-11=-624/1879
WEBS 3-12=-454/262, 5-12=-143/468, 5-11=-318/999, 6-11=-941/396, 6-10=-779/243, 7-10=-398/227, 8-10=-532/1558

NOTES (9-12)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=28ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 5.0psf.
6) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=170, 2=145.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
10) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
11) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435
12) Use Simpson HTU26 to attach Truss to Carrying member

LOAD CASE(S) Standard

JULIUS S.K. LEE LICENSE No 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

April 29,2013

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design paramenters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI1 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	ADAMS - DUARTE RES.
460382	T56	Special Truss	1	1	I6672990
					Job Reference (optional)

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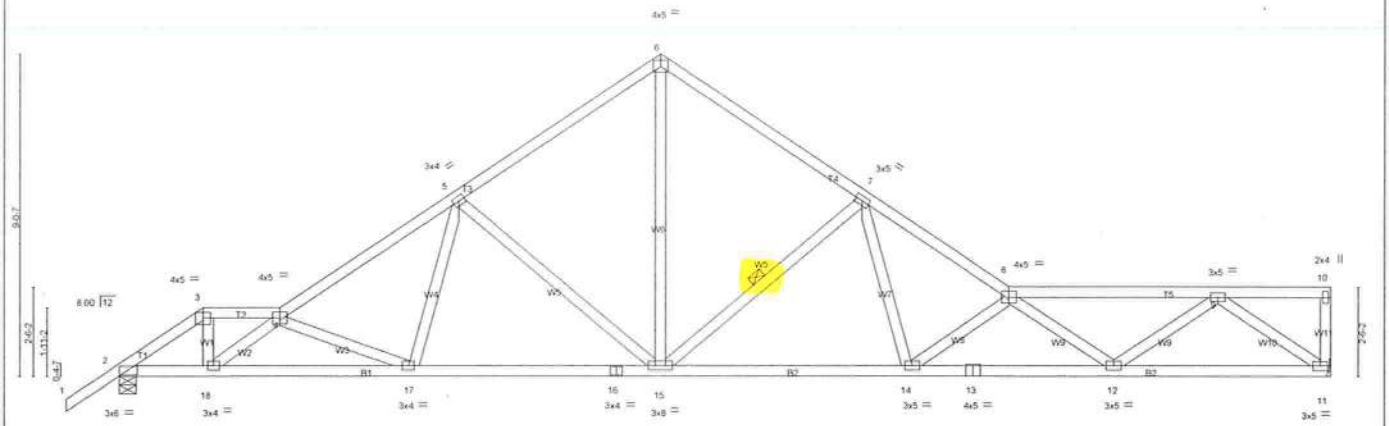
ID:IK8sRfB21Lwi3zI8BfM2tyyWso0-e2dJNcgBi6tNmiWJvCxWXyA1nULFY0sk77QSvZzLsp3

-1-6-0	2-4-0	4-6-0	9-6-3	15-2-0	20-9-13	24-11-8	30-9-10	33-11-6
1-6-0	2-4-0	2-2-0	5-0-3	5-7-13	5-7-13	4-1-11	5-10-3	3-1-12

Scale = 1:61.1



2-4-0	8-3-2	15-2-0	22-0-15	27-10-10	33-11-6
2-4-0	5-11-2	6-10-14	6-10-15	5-9-11	6-0-12

Plate Offsets (X,Y): [2:0-3-9,0-1-8], [3:0-2-8,0-1-13]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.75	Vert(LL)	-0.23	14-15	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.83	Vert(TL)	-0.46	14-15	>885	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.69	Horz(TL)	0.13	11	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 194 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-11-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-8-7 oc bracing.
WEBS 1 Row at midpt 7-15

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 11=903/Mechanical, 2=979/0-5-8 (min. 0-1-8)
Max Horz 2=183(LC 5)
Max Uplift 11=-168(LC 9), 2=-180(LC 8)
Max Grav 11=1070(LC 2), 2=1166(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1521/206, 3-4=-1266/186, 4-5=-1937/261, 5-6=-1328/242, 6-7=-1325/225, 7-8=-2438/353, 8-9=-2291/321
BOT CHORD 2-18=-335/1647, 17-18=-422/2360, 16-17=-240/1470, 15-16=-240/1470, 14-15=-225/1741, 13-14=-461/3144, 12-13=-461/3144, 11-12=-230/1366
WEBS 3-18=-83/810, 4-18=-1406/201, 4-17=-852/187, 5-17=-39/432, 5-15=-587/190, 6-15=-174/1087, 7-15=-947/236, 7-14=-126/992, 8-14=-1460/259, 8-12=-1071/176, 9-12=-114/1161, 9-11=-1684/290

NOTES (11-14)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=28ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope); 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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 11=168, 2=180.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 36 lb down and 38 lb up at 2-4-0 on top chord, and 12 lb up at 2-4-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
11) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
12) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
13) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435
14) Use Simpson HTU26 to attach Truss to Carrying member

LOAD CASE(S) Standard

Continued on page 2

JULIUS S.K. LEE LICENSE No 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

April 29,201

Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	ADAMS - DUARTE RES.
460382	T57	Special Truss	1	1	I6672991
					Job Reference (optional)

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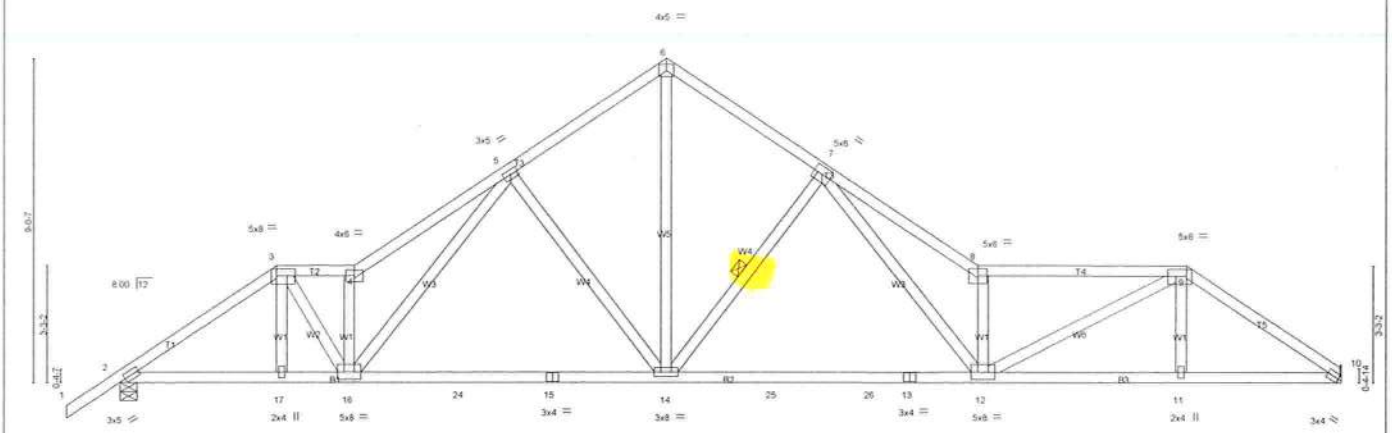
ID:IK8sRfB21Lwi3zI8BfM2tyyWso0-6EBhbyhpTQ?EOs5VTwSl49iBsuiAHRAuMnA0R?zLsp2

-1-6-0	4-4-0	6-6-0	10-10-0	15-2-0	19-6-0	23-10-0	29-8-0	33-11-6
1-6-0	4-4-0	2-2-0	4-4-0	4-4-0	4-4-0	4-4-0	5-10-0	4-3-6

Scale = 1:60.6



4-4-0	6-6-0	15-2-0	23-10-0	29-8-0	33-11-6
4-4-0	2-2-0	8-8-0	8-8-0	5-10-0	4-3-6

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.79	Vert(LL)	-0.31	12-14	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.72	Vert(TL)	-0.60	12-14	>684	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.81	Horz(TL)	0.09	10	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 196 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 8-9-6 oc bracing.
WEBS	1 Row at midpt 7-14

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 10=985/Mechanical, 2=1073/0-5-8 (min. 0-1-11)
Max Horz 2=185(LC 9)
Max Uplift 10=-168(LC 13), 2=-170(LC 12)
Max Grav 10=1083(LC 2), 2=1171(LC 2)

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

TOP CHORD	2-3=-2012/573, 3-4=-2322/673, 4-5=-2947/903, 5-6=-1734/575, 6-7=-1734/574, 7-8=-3994/1241, 8-9=-3149/940, 9-10=-1984/600
BOT CHORD	2-17=-530/1898, 16-17=-401/1570, 16-24=-382/1647, 15-24=-382/1647, 14-15=-382/1647, 14-25=-447/1852, 25-26=-447/1852, 13-26=-447/1852, 12-13=-447/1852, 11-12=-429/1561, 10-11=-613/1795
WEBS	3-16=-298/1224, 4-16=-1770/573, 5-16=-351/1142, 5-14=-705/301, 6-14=-520/1604, 7-14=-1048/410, 7-12=-702/2218, 8-12=-2448/820, 9-12=-458/1718

NOTES (9-12)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=28ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 5.0psf.
6) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 10=168, 2=170.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
10) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
11) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869; Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435
12) Use Simpson HTU26 to attach Truss to Carrying member

LOAD CASE(S) Standard

JULIUS S.K. LEE LICENSE No 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

April 29,201

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design paramenters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI1 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	ADAMS - DUARTE RES.	I6672993
460382	T59	Special Truss	1	1	Job Reference (optional)	

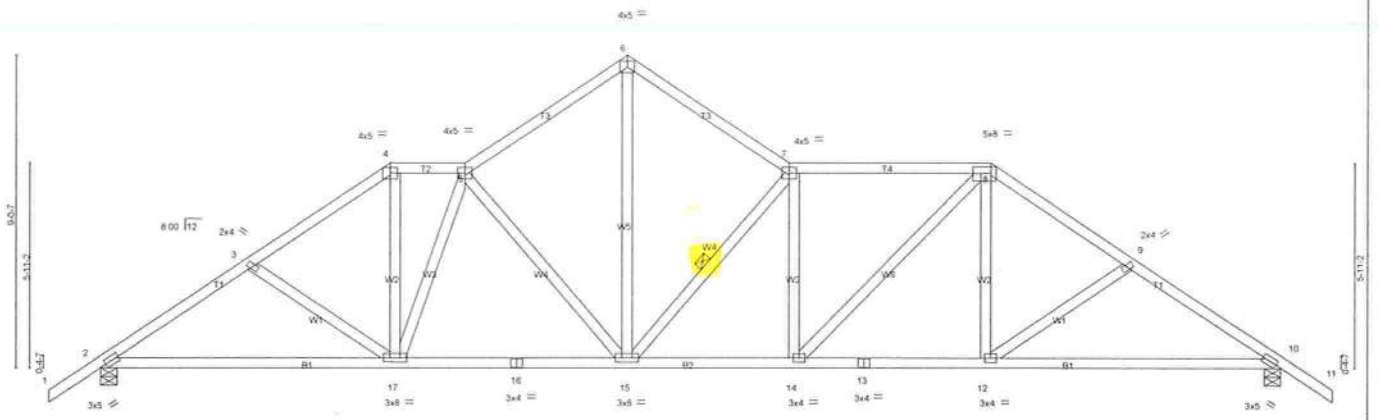
Builders FirstSource, Lake City, FL 32055

7.350 s Sep 27 2012 MiTek Industries, Inc. Mon Apr 29 11:52:14 2013 Page 1

ID:IK8sRfB21Lwi3zI8BfM2tyyWso0-WpspDzkimLOpFKp4820ShoKm25mhUpdK2IOg2KzLsp?

-1-6-0	4-4-7	8-4-0	10-6-0	15-2-0	19-10-0	25-8-0	29-7-9	34-0-0	35-6-0
1-6-0	4-4-7	3-11-9	2-2-0	4-8-0	4-8-0	5-10-0	3-11-9	4-4-7	1-6-0

Scale = 1:62.8



8-4-0	15-2-0	19-10-0	25-8-0	34-0-0
8-4-0	6-10-0	4-8-0	5-10-0	8-4-0

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.54	Vert(LL)	-0.12	14-15	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.54	Vert(TL)	-0.24	15-17	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.77	Horz(TL)	0.09	10	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 206 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied or 3-9-3 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 8-11-0 oc bracing.
WEBS	1 Row at midpt 7-15

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 2=984/0-5-8 (min. 0-1-9), 10=984/0-5-8 (min. 0-1-9)
Max Horz 2=-191(LC 10)
Max Uplift 2=-170(LC 12), 10=-188(LC 13)
Max Grav 2=1169(LC 2), 10=1169(LC 2)

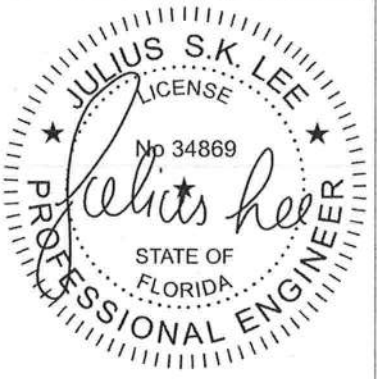
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD	2-3=-1927/627, 3-4=-1729/585, 4-5=-1440/530, 5-6=-1543/579, 6-7=-1548/581, 7-8=-1828/671, 8-9=-1706/592, 9-10=-1900/631
BOT CHORD	2-17=-421/1538, 16-17=-364/1516, 15-16=-364/1516, 14-15=-441/1730, 13-14=-300/1303, 12-13=-300/1303, 10-12=-428/1520
WEBS	3-17=-279/163, 4-17=-236/745, 5-17=-552/206, 5-15=-649/281, 6-15=-491/1317, 7-15=-983/400, 7-14=-371/163, 8-14=-193/589, 9-12=-268/155

NOTES (9-11)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=28ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=170, 10=188.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
10) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
11) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard



April 29,2013

Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	ADAMS - DUARTE RES.
460382	T61	Hip Truss	1	1	I6672995
					Job Reference (optional)

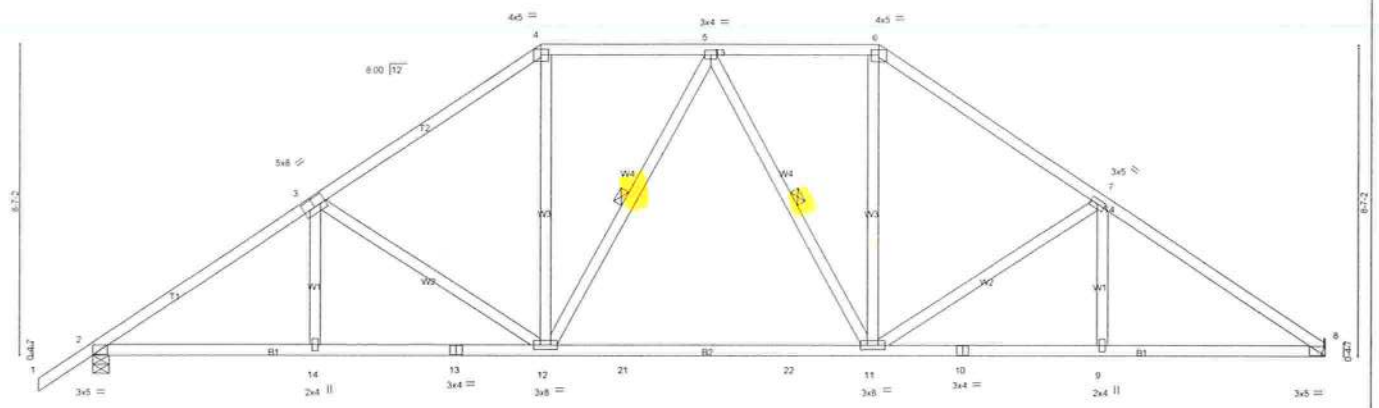
Builders FirstSource, Lake City, FL 32055

7.350 s Sep 27 2012 MiTek Industries, Inc. Mon Apr 29 11:52:17 2013 Page 1

ID:IK8sRfB21Lwi3zI8BfM2tyyWso0-xOYyr?ma2GmO6nYfqAZ9JQyH2JlDhDimkjdKefzLsoy

-1-6-0	6-1-10	12-4-0	17-0-0	21-8-0	27-10-6	34-0-0
1-6-0	6-1-10	6-2-6	4-8-0	4-8-0	6-2-6	6-1-10

Scale = 1:60.1



6-1-10	12-4-0	21-8-0	27-10-6	34-0-0
6-1-10	6-2-6	9-4-0	6-2-6	6-1-10

Plate Offsets (X,Y): [2:0-2-9,0-1-8], [3:0-4-0,0-3-0], [4:0-2-8,0-1-13], [6:0-2-8,0-1-13], [8:0-2-9,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.55	Vert(LL)	-0.28	11-12	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.75	Vert(TL)	-0.44	11-12	>924	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.55	Horz(TL)	0.08	8	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 196 lb	FT = 20%

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

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 8=987/Mechanical, 2=1053/0-5-8 (min. 0-1-10)
Max Horz 2=177(LC 9)
Max Uplift 8=-135(LC 13), 2=-155(LC 12)
Max Grav 8=1088(LC 2), 2=1169(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1976/600, 3-4=-1637/554, 4-5=-1342/520, 5-6=-1341/520, 6-7=-1636/555, 7-8=-1972/600
BOT CHORD 2-14=-418/1546, 13-14=-414/1546, 12-13=-414/1546, 12-21=-257/1217, 21-22=-257/1217, 11-22=-257/1217, 10-11=-413/1540, 9-10=-413/1540, 8-9=-568/1594
WEBS 3-12=-475/234, 4-12=-146/545, 5-12=-259/132, 5-11=-259/131, 6-11=-150/550, 7-11=-472/235

NOTES (9-12)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=28ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 5.0psf.
6) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=135, 2=155.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
10) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
11) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435
12) Use Simpson HTU26 to attach Truss to Carrying member

LOAD CASE(S) Standard

JULIUS S.K. LEE LICENSE No 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

April 29,2013

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design paramenters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI1 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	ADAMS - DUARTE RES.
460382	T63	Hip Truss	1	1	I6672997
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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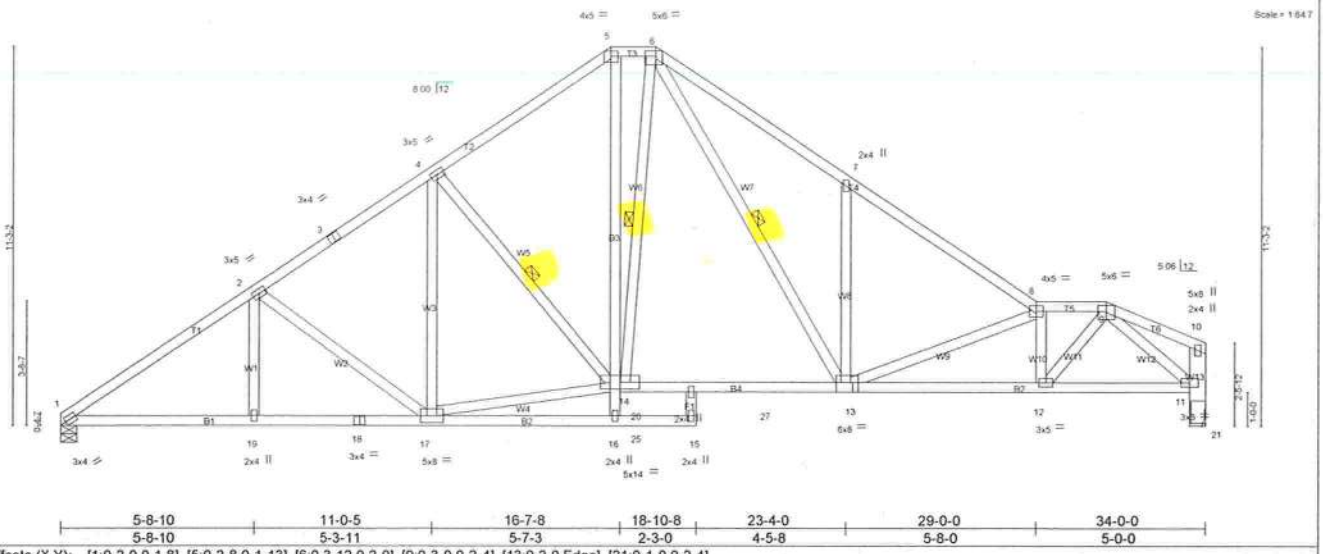
ID:IK8sRfB21Lwi3zI8BfM2tyyWso0-LzD5U1oTLB8zzFHEVJ7sx3aogWpmuZEDQhr_FzzLsov

5-8-10	11-0-5	16-4-0	17-8-0	23-4-0	29-0-0	31-1-1	34-0-0
5-8-10	5-3-11	5-3-11	1-4-0	5-8-0	5-8-0	2-1-1	2-10-15



5-8-10	11-0-5	16-7-8	18-10-8	23-4-0	29-0-0	34-0-0
5-8-10	5-3-11	5-7-3	2-3-0	4-5-8	5-8-0	5-0-0

Plate Offsets (X,Y): [1:0-2-0,0-1-8], [5:0-2-8,0-1-13], [6:0-3-12,0-2-0], [9:0-3-0,0-2-4], [13:0-2-0,Edge], [21:0-1-0,0-2-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.46	Vert(LL)	-0.18	13-14	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.56	Vert(TL)	-0.33	13-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.57	Horz(TL)	0.12	21	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 241 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
B3: 2x4 SP No.3
WEBS 2x4 SP No.3 *Except*
W13: 2x6 SYP No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-4-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. Except:
10-0-0 oc bracing: 14-16
WEBS 1 Row at midpt 4-14, 6-14, 6-13

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 1=1001/0-5-8 (min. 0-1-10), 21=1011/Mechanical
Max Horz 1=-200(LC 10)
Max Uplift 1=-143(LC 12), 21=-141(LC 13)
Max Grav 1=1098(LC 2), 21=1088(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2093/559, 2-3=-1809/528, 3-4=-1693/541, 4-5=-1629/528, 5-6=-1343/490, 6-7=-2308/798, 7-8=-2137/596, 8-9=-2283/664, 11-21=-1330/388
BOT CHORD 1-19=-643/1702, 18-19=-454/1702, 17-18=-454/1702, 5-14=-198/657, 14-26=-168/1144, 26-27=-168/1144, 13-27=-168/1144, 12-13=-635/2337, 11-12=-382/1368
WEBS 2-17=-386/177, 4-14=-379/229, 14-17=-293/1486, 6-13=-432/1100, 7-13=-530/300, 8-13=-713/281, 8-12=-1105/324, 9-12=-372/1436, 9-11=-1741/485

NOTES (9-12)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=28ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 5.0psf.
6) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=143, 21=141.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
10) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
11) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435
12) Use Simpson HTU26 to attach Truss to Carrying member

LOAD CASE(S) Standard

JULIUS S.K. LEE LICENSE No 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

April 29,2013

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design paramenters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI1 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

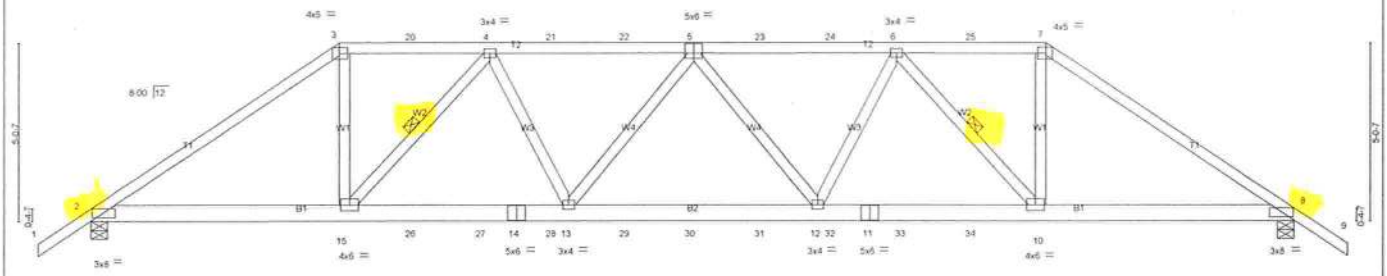
Job	Truss	Truss Type	Qty	Ply	ADAMS - DUARTE RES.
460382	T65	Hip Truss	1	1	I6672999
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 — 7.350 s Sep 27 2012 MiTek Industries, Inc. Mon Apr 29 11:52:23 2013 Page 1

ID:IK8sRfB21Lwi3zI8BfM2tyyWso0-mYvD62rLe6WXqi?oARgZZhCCfjnP5uHf7e4erlzLsos

-1-6-0	7-0-0	11-2-15	17-0-0	22-9-1	27-0-0	34-0-0	35-6-0
1-6-0	7-0-0	4-2-15	5-9-1	5-9-1	4-2-15	7-0-0	1-6-0

Scale = 1:61.5



7-0-0	13-5-12	20-6-4	27-0-0	34-0-0
7-0-0	6-5-12	7-0-8	6-5-12	7-0-0

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.93	Vert(LL)	-0.27	12-13	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.82	Vert(TL)	-0.52	12-13	>785	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.68	Horz(TL)	0.14	8	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 201 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SYP No.1 *Except*
T2: 2x4 SP No.2
BOT CHORD 2x6 SYP No.2
WEBS 2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied or 6-3-1 oc bracing.
WEBS 1 Row at midpt 4-15, 6-10

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 2=1871/0-5-8 (min. 0-2-10), 8=1912/0-5-8 (min. 0-2-11)
Max Horz 2=-94(LC 6)
Max Uplift 2=-732(LC 8), 8=-794(LC 9)
Max Grav 2=2223(LC 2), 8=2273(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3612/1247, 3-20=-2967/1094, 4-20=-2967/1094, 4-21=-4215/1519, 21-22=-4215/1519, 5-22=-4215/1519, 5-23=-4240/1547, 23-24=-4240/1547, 6-24=-4240/1547, 6-25=-3040/1185, 7-25=-3040/1185, 7-8=-3702/1358
BOT CHORD 2-15=-1053/2915, 15-26=-1404/3874, 26-27=-1404/3874, 14-27=-1404/3874, 14-28=-1404/3874, 13-28=-1404/3874, 13-29=-1583/4377, 29-30=-1583/4377, 30-31=-1583/4377, 12-31=-1583/4377, 12-32=-1402/3916, 11-32=-1402/3916, 11-33=-1402/3916, 33-34=-1402/3916, 10-34=-1402/3916, 8-10=-1042/2990
WEBS 3-15=-610/1665, 4-15=-1441/584, 4-13=-301/827, 5-13=-298/164, 5-12=-257/115, 6-12=-257/788, 6-10=-1394/532, 7-10=-571/1629

NOTES (11-13)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=28ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope); 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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=732, 8=794.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 22 lb down and 51 lb up at 7-0-0, 21 lb down and 51 lb up at 9-0-12, 21 lb down and 51 lb up at 11-0-12, 21 lb down and 51 lb up at 13-0-12, 21 lb down and 51 lb up at 15-0-12, 21 lb down and 51 lb up at 16-11-4, 21 lb down and 51 lb up at 18-11-4, 21 lb down and 51 lb up at 20-11-4, 21 lb down and 51 lb up at 22-11-4, and 21 lb down and 51 lb up at 24-11-4, and 108 lb down and 174 lb up at 27-0-0 on top chord, and 361 lb down and 186 lb up at 7-0-0, 124 lb down and 53 lb up at 9-0-12, 124 lb down and 53 lb up at 11-0-12, 124 lb down and 53 lb up at 13-0-12, 124 lb down and 53 lb up at 15-0-12, 124 lb down and 53 lb up at 16-11-4, 124 lb down and 53 lb up at 18-11-4, 124 lb down and 53 lb up at 20-11-4, 124 lb down and 53 lb up at 22-11-4, and 124 lb down and 53 lb up at 24-11-4, and 361 lb down and 186 lb up at 26-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

Continued on page 2

JULIUS S.K. LEE LICENSE No 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

April 29,2013

Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	ADAMS - DUARTE RES.
460382	T66	Hip Truss	1	1	I6673000
					Job Reference (optional)

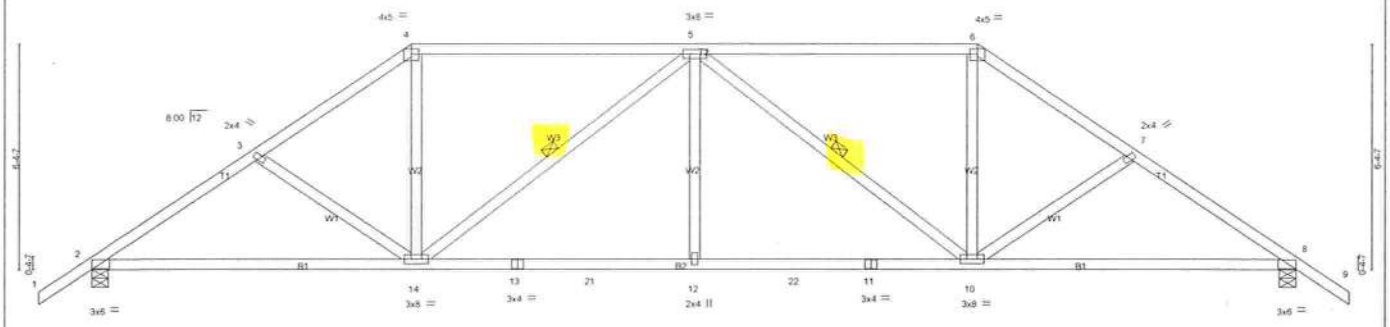
Builders FirstSource, Lake City, FL 32055

7.350 s Sep 27 2012 MiTek Industries, Inc. Mon Apr 29 11:52:24 2013 Page 1

ID:IK8sRfB21Lwi3zI8BfM2tyyWso0-EkTbJOrzPPeOSsa?k9Bo5vlPs7AKqQzoLIpCOlzLsor

-1-6-0	4-8-7	9-0-0	17-0-0	25-0-0	29-3-9	34-0-0	35-6-0
1-6-0	4-8-7	4-3-9	8-0-0	8-0-0	4-3-9	4-8-7	1-6-0

Scale = 1:61.5



9-0-0	17-0-0	25-0-0	34-0-0
9-0-0	8-0-0	8-0-0	9-0-0

Plate Offsets (X,Y): [2:0-3-9,0-1-8], [4:0-2-8,0-1-13], [6:0-2-8,0-1-13], [8:0-3-9,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.77	Vert(LL)	-0.13	10-12	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.59	Vert(TL)	-0.25	10-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.33	Horz(TL)	0.09	8	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 182 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied or 3-11-10 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 8-8-3 oc bracing.
WEBS	1 Row at midpt 5-14, 5-10

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 2=1071/0-5-8 (min. 0-1-10), 8=1071/0-5-8 (min. 0-1-10)
Max Horz 2=-139(LC 10)
Max Uplift2=-136(LC 12), 8=-136(LC 13)
Max Grav 2=1169(LC 2), 8=1169(LC 2)

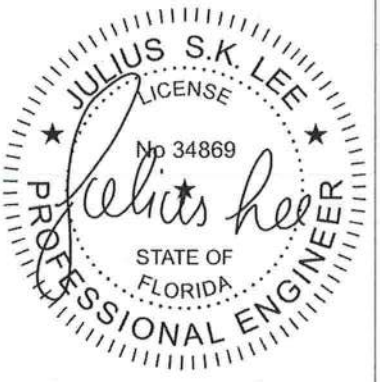
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD	2-3=-1959/649, 3-4=-1748/606, 4-5=-1455/553, 5-6=-1455/553, 6-7=-1748/606, 7-8=-1959/648
BOT CHORD	2-14=-435/1561, 13-14=-458/1800, 13-21=-458/1800, 12-21=-458/1800, 12-22=-458/1800, 11-22=-458/1800, 10-11=-458/1800, 8-10=-438/1564
WEBS	3-14=-293/169, 4-14=-163/613, 5-14=-587/198, 5-12=0/287, 5-10=-587/198, 6-10=-163/613, 7-10=-292/168

NOTES (9-11)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=28ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 5.0psf.
6) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=136, 8=136.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
10) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
11) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard



April 29,201

Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	ADAMS - DUARTE RES.
460382	T68	Hip Truss	1	1	I6673002
					Job Reference (optional)

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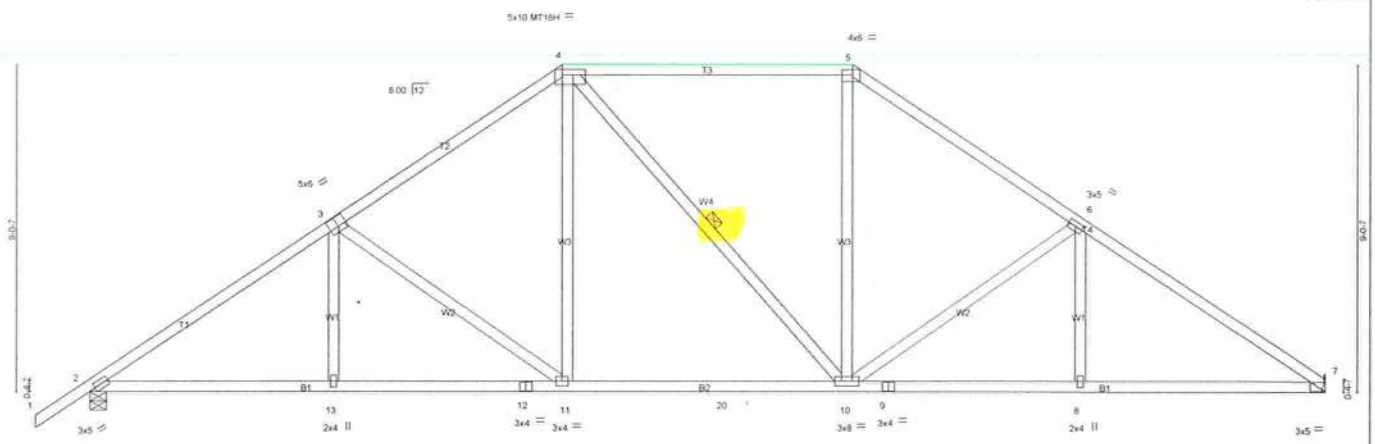
ID:IK8sRfB21Lwi3zI8BfM2tyyWso0-eJ8kyQusiK0zJJJaPHIVjXNteLCD1j1F1G2s_3zLsoo

-1-6-0	6-8-7	13-0-0	21-0-0	27-3-9	34-0-0
1-6-0	6-8-7	6-3-9	8-0-0	6-3-9	6-8-7

Scale = 1:60.1



6-8-7	13-0-0	21-0-0	27-3-9	34-0-0
6-8-7	6-3-9	8-0-0	6-3-9	6-8-7

Plate Offsets (X,Y): [2:0-2-0,0-1-8], [3:0-3-0,0-3-4], [4:0-7-8,0-1-12], [5:0-3-8,0-1-12], [7:0-2-9,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.99	Vert(LL)	-0.16	10-11	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.51	Vert(TL)	-0.27	10-11	>999	180	MT18H	244/190
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.63	Horz(TL)	0.08	7	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 189 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied or 9-5-5 oc bracing.
WEBS 1 Row at midpt 4-10

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 7=975/Mechanical, 2=1055/0-5-8 (min. 0-1-11)
Max Horz 2=185(LC 9)
Max Uplift 7=-138(LC 13), 2=-158(LC 12)
Max Grav 7=1087(LC 2), 2=1170(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1959/579, 3-4=-1607/547, 4-5=-1297/516, 5-6=-1582/547, 6-7=-1942/582
BOT CHORD 2-13=-560/1752, 12-13=-385/1514, 11-12=-385/1514, 11-20=-198/1121, 10-20=-198/1121, 9-10=-388/1501, 8-9=-388/1501, 7-8=-676/1773
WEBS 3-11=-492/231, 4-11=-90/469, 5-10=-90/429, 6-10=-499/234

NOTES (10-13)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=28ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 5.0psf.
7) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=138, 2=158.
9) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
10) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
11) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
12) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435
13) Use Simpson HTU26 to attach Truss to Carrying member

LOAD CASE(S) Standard

JULIUS S.K. LEE LICENSE No 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

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WARNING - *Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.*
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design paramenters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI1 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

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Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	ADAMS - DUARTE RES.	I6673004
460382	T70	Hip Truss	1	2	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055

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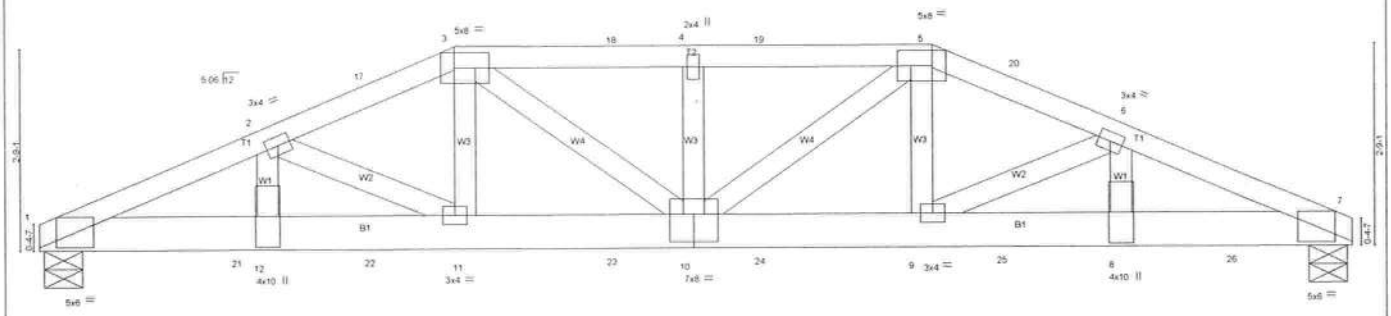
ID:IK8sRfB21Lwi3zI8BfM2tyyWso0-X4OFnoxMIZXPnxdLe7pStNXkNyY5zdrqyu037rzLsok

3-1-6	5-7-15	8-10-15	12-1-15	14-8-8	17-9-14
3-1-6	2-6-9	3-3-0	3-3-0	2-6-9	3-1-6

Scale = 1:29.6



0-3-14	3-1-6	5-7-15	8-10-15	12-1-15	14-8-8	17-6-0	17-9-14
0-3-14	2-9-7	2-6-9	3-3-0	3-3-0	2-6-9	2-9-7	0-3-14

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.31	Vert(LL)	-0.06	10	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.58	Vert(TL)	-0.12	10	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.25	Horz(TL)	0.03	7	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 199 lb	FT = 20%

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

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

REACTIONS (lb/size) 1=2339/0-6-4 (min. 0-1-9), 7=1624/0-6-4 (min. 0-1-8)
Max Horz 1=24(LC 8)
Max Uplift 1=-467(LC 8), 7=-358(LC 9)
Max Grav 1=2650(LC 2), 7=1850(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-4424/855, 2-17=-2638/635, 3-17=-2609/624, 3-18=-2406/627, 4-18=-2406/627, 4-19=-2406/627, 5-19=-2406/627, 5-20=-2224/570, 6-20=-2258/582, 6-7=-3171/681
BOT CHORD 1-21=-791/4017, 12-21=-791/4017, 12-22=-791/4017, 11-22=-791/4017, 11-23=-551/2465, 10-23=-551/2465, 10-24=-496/2081, 9-24=-496/2081, 9-25=-607/2865, 8-25=-607/2865, 8-26=-607/2865, 7-26=-607/2865
WEBS 2-12=-139/1250, 2-11=-1787/275, 3-11=-117/881, 5-10=-106/449, 5-9=-59/458, 6-9=-906/153, 6-8=-39/527

NOTES (12-14)
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 0-7-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=28ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope); 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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=467, 7=358.
10) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 47 lb down and 57 lb up at 4-7-6, 15 lb down and 68 lb up at 5-7-15, 15 lb down and 68 lb up at 7-10-11, 15 lb down and 68 lb up at 9-11-3, and 15 lb down and 68 lb up at 12-1-15, and 47 lb down and 57 lb up at 13-2-8 on top chord, and 1078 lb down and 145 lb up at 0-9-11, 1078 lb down and 154 lb up at 2-9-11, 7 lb down and 2 lb up at 4-7-6, 24 lb down and 3 lb up at 5-7-15, 11 lb down and 1 lb up at 7-10-11, 11 lb down and 1 lb up at 9-11-3, 24 lb down and 3 lb up at 11-11-3, and 7 lb down and 2 lb up at 13-2-8, and 1077 lb down and 148 lb up at 16-4-3 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

Continued on page 2

JULIUS S.K. LEE LICENSE No 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

April 29,201

Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Job	Truss	Truss Type	Qty	Ply	ADAMS - DUARTE RES.
460382	TG01	FLOOR	1	2	I6673005
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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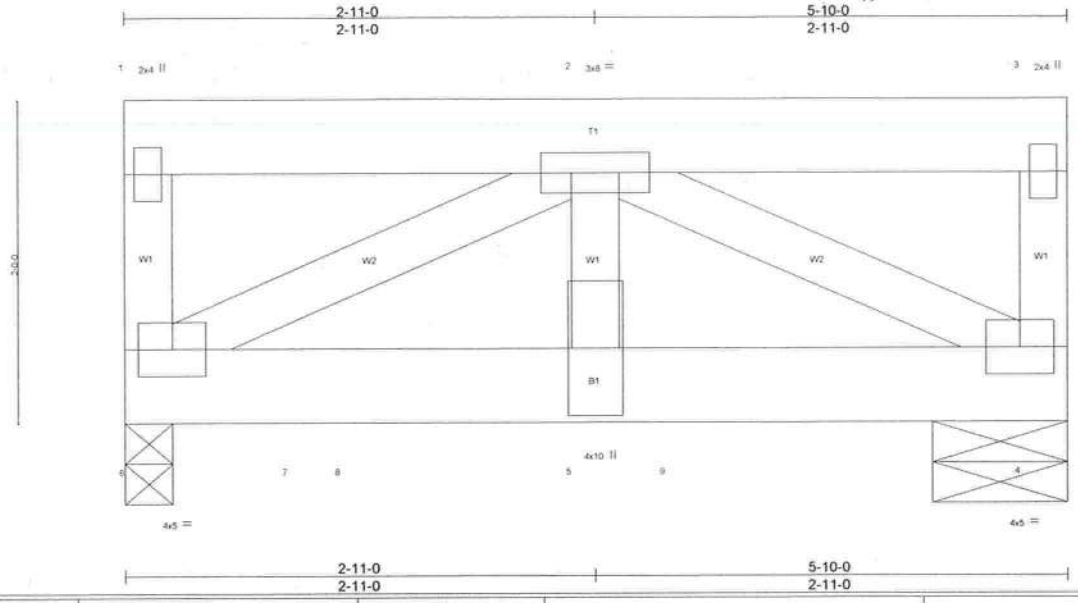


LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plates Increase	1.00	TC	0.09	Vert(LL)	-0.02	5-6	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.00	BC	0.52	Vert(TL)	-0.03	5-6	>999	240		
BCLL	0.0	Rep Stress Incr	NO	WB	0.44	Horz(TL)	0.00	4	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 80 lb	FT = 20%

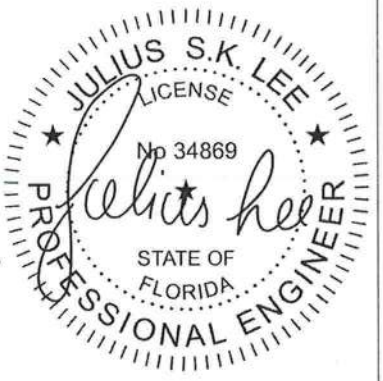
LUMBER
TOP CHORD 2x6 SYP No.2
BOT CHORD 2x6 SYP No.2
WEBS 2x4 SP No.3

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

REACTIONS (lb/size) 6=1884/0-3-8 (min. 0-1-8), 4=1533/0-10-0 (min. 0-1-8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
BOT CHORD 6-7=0/1711, 7-8=0/1711, 5-8=0/1711, 5-9=0/1711, 4-9=0/1711
WEBS 2-6=-1958/0, 2-5=0/1729, 2-4=-1958/0

NOTES (7-9)
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) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
4) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
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) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 948 lb down at 1-1-12, 284 lb down at 1-5-12, 948 lb down at 3-1-12, and 284 lb down at 3-5-12, and 344 lb down at 5-8-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
8) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
9) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435



LOAD CASE(S) Standard
1) Floor: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-3=-100, 4-6=-10
Concentrated Loads (lb)
Vert: 5=-948(B) 4=-344(F) 7=-948(B) 8=-284(F) 9=-284(F)

April 29,201

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