

Barrett

Project Information for:

L257001

Builder:

WOODMAN PARK BUILDERS **1313 BELL RD** 

Address:

LAKE CITY, FL

County:

COLUMBIA

Truss Count:

52

Design Program: MiTek 20/20 6.3 Building Code: FBC2004/TPI2002 Truss Design Load Information:

**Gravity:** 

Wind:

Roof (psf): 42.0

Wind Standard: ASCE 7-02

Wind Exposure: B

Floor (psf): N/A

Wind Speed (mph): 110

Note: See the individual truss drawings for special loading conditions.

Contractor of Record, responsible for structural engineering:

William G. Wood Florida Certified Building Contractor License No. CBC058182

Address: Woodman Park Builders, Inc. P.O. Box 3535 Lake City, Florida 32056

Truss Design Engineer: Julius Lee, PE Florida P.E. License No. 34869

Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1-2002 Section 2.2

2. The seal date shown on the individual truss component drawings must match the seal date on this index sheet.

3. The Truss Design Engineer's responsibility relative to this structure consists solely of the design of the individual truss components and does not include the design of any additional structural elements including but not limited to continuous lateral bracing elelments in the web and chord planes. See Florida Administrative Code 61G15-31.003 sections 3 c) & 5 and Chapter 2 of the National Design Standard for Metal Plate Connected Wood Truss Construction ANSI/TPI 1-2002 for additional information on the responsibilities of the delegated "Truss Design Engineer". Builders FirstSource and Julius Lee, PE do not accept any additional delegations beyond the scope of work described in the referenced documents above.

No			Date	No			documents at
1	J1898952		10/9/07	29			Date
3	J1898953		10/9/07	30	J1898981 J1898982		10/9/07
4	J1898954		10/9/07	31	119090982		10/9/07
5	J1898955		10/9/07	32	J1898983 J1898984		10/9/07
6	J1898957		10/9/07	33	J1898985		10/9/07
7	J1898958		10/9/07	34	J1898986	T10	10/9/07
8	J1898959		10/9/07	35	J1898987	T11	10/9/07
9	J1898960		10/9/07	36	J1898988	T12	10/9/07
10	J1898961	EJ5	10/9/07	37	J1898989	T13	10/9/07
11	J1898962	EJ5A	10/9/07	38	J1898990	T14	10/9/07
12	J1898963	EJ5B	10/9/07	39	J1898991	T15	10/9/07
13	J1898964	EJ7	10/9/07	40	J1898992	T16	10/9/07
14	J1898965 J1898966	EJ7A	10/9/07	41	J1898993	T17	10/9/07
15	J1898967	EJ7B	10/9/07	42	J1898994	T18	10/9/07
16	J1898968	EJ7C	10/9/07	43	J1898995	T19 T20	10/9/07
17	J1898969	EJ7D	10/9/07	44	J1898996	T21	10/9/07
18	J1898970	EJ7T	10/9/07	45	J1898997	T22	10/9/07
19	J1898971	HJ2	10/9/07	46	J1898998	T23	10/9/07
20	J1898972	HJ3	10/9/07	47	J1898999	T24	10/9/07
21	J1898973	HJ4	10/9/07	48	J1899000	T25	10/9/07
22	J1898974	HJ4A	10/9/07	49	J1899001	T26	10/9/07
23	J1898975	HJ5A	10/9/07	50	J1899002	T27	10/9/07
24	J1898976	HJ6	10/9/07	51	J1899003	T28	10/9/07
25	J1898977	T01	10/9/07	52	J1899004	T29	10/9/07
26	J1898978	T02	10/9/07		200004	123	10/9/07
27	J1898978	T03	10/9/07				
	J1898980		10/9/07				
	0.030300	T05	10/9/07				



**Project Information for:** 

L257001

Builder:

WOODMAN PARK BUILDERS

Address:

1313 BELL RD LAKE CITY, FL

County:

COLUMBIA

Truss Count:

52

Design Program: MiTek 20/20 6.3 Building Code:

FBC2004/TPI2002

Truss Design Load Information: Gravity:

Wind:

Roof (psf): 42.0

Wind Standard: ASCE 7-02

Wind Exposure: B

October 9,2007

Floor (psf): N/A

Wind Speed (mph): 110

Note: See the individual truss drawings for special loading conditions. Contractor of Record, responsible for structural engineering:

William G. Wood Florida Certified Building Contractor License No. CBC058182

Address: Woodman Park Builders, Inc. P.O. Box 3535 Lake City, Florida 32056

Truss Design Engineer: Julius Lee, PE Florida P.E. License No. 34869

Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

Notes:

28

J1898980

T05

10/9/07

1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1-2002 Section 2.2

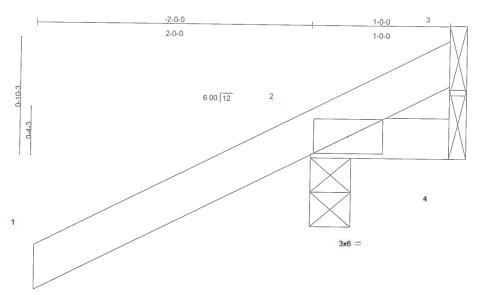
2. The seal date shown on the individual truss component drawings must match the seal date on this index sheet.

3. The Truss Design Engineer's responsibility relative to this structure consists solely of the design of the individual truss components and does not include the design of any additional structural elements including but not limited to continuous lateral bracing elelments in the web and chord planes. See Florida Administrative Code 61G15-31.003 sections 3 c) & 5 and Chapter 2 of the National Design Standard for Metal Plate Connected Wood Truss Construction ANSI/TPI 1-2002 for additional information on the responsibilities of the delegated "Truss Design Engineer". Builders FirstSource and Julius Lee, PE do not accept any additional delegations beyond the scope of work described in the referenced documents above.

No.		Truss ID	Date	No.	Drwg.#	Truss ID	Date
1	J1898952		10/9/07	29	J1898981	T06	
2	J1898953		10/9/07	30	J1898982	T07	10/9/07
3	J1898954	CJ1B	10/9/07	31	J1898983	T08	10/9/07
4	J1898955	CJ3D	10/9/07	32	J1898984	T09	10/9/07
5	J1898957	CJ4B	10/9/07	33	J1898985	T10	10/9/07
6	J1898958	CJ5B	10/9/07	34	J1898986	T11	10/9/07
7	J1898959	EJ2	10/9/07	35	J1898987	T12	10/9/07
8	J1898960	EJ3	10/9/07	36	J1898988	T13	10/9/07
9	J1898961	EJ5	10/9/07	37	J1898989	T14	10/9/07
10	J1898962	EJ5A	10/9/07	38	J1898990	T15	10/9/07
11	J1898963	EJ5B	10/9/07	39	J1898991	T16	10/9/07
12	J1898964	EJ7	10/9/07	40	J1898992	T17	10/9/07
13	J1898965	EJ7A	10/9/07	41	J1898993	T18	10/9/07
14	J1898966	EJ7B	10/9/07	42	J1898994	T19	10/9/07
15	J1898967	EJ7C	10/9/07	43	J1898995	T20	10/9/07
6	J1898968	EJ7D	10/9/07	44	J1898996	T21	10/9/07
7	J1898969	EJ7T	10/9/07	45	J1898997	T22	10/9/07
8	J1898970	HJ2	10/9/07	46	J1898998	T23	10/9/07
9	J1898971	HJ3	10/9/07	47	J1898999	T24	10/9/07
0	J1898972	HJ4	10/9/07	48	J1899000	T25	10/9/07
1	J1898973	HJ4A	10/9/07	49	J1899001	T26	10/9/07
2	J1898974	HJ5A	10/9/07	50	J1899002	T27	10/9/07
3	J1898975	HJ6	10/9/07	51	J1899003	T28	10/9/07
4	J1898976	T01	10/9/07		J1899004	T29	10/9/07
5	J1898977	T02	10/9/07	1	0.000004	123	10/9/07
6	J1898978	T03	10/9/07				
	J1898979	T04	10/9/07				
	14000000						

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT	
L257001	CJ1	MONO TRUSS	16	1		J1898952
					Job Reference (optional)	

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Scale 1.5"=1"

	1-0-0												
DEFL Vert(LL) Vert(TL) Horz(TL)	in -0.00 -0.00 0.00	(loc) 2 2 2 3	l/defl >999 >999 n/a	L/d 360 240 n/a	PLATES MT20	<b>GRIP</b> 244/190							

LUMBER

**TCLL** 

TCDL

BCLL

**BCDL** 

LOADING (psf)

TOP CHORD 2 X 4 SYP No.2 BOT CHORD 2 X 4 SYP No.2

20.0

7.0

10.0

5.0

**BRACING** 

TOP CHORD **BOT CHORD** 

Structural wood sheathing directly applied or

Weight: 7 lb

1-0-0 oc purlins.

1-0-0

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

REACTIONS (lb/size) 2=256/0-3-8, 4=5/Mechanical, 3=-90/Mechanical

2-0-0

1.25

1.25

YES

CSI

TC

BC

**WB** 

(Matrix)

0.28

0.01

0.00

Max Horz 2=87(load case 6)

**SPACING** 

Plates Increase

Lumber Increase

Code FBC2004/TPI2002

\* Rep Stress Incr

Max Uplift 2=-286(load case 6), 4=-9(load case 4), 3=-90(load case 1)

Max Grav 2=256(load case 1), 4=14(load case 2), 3=127(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/47, 2-3=-69/75

**BOT CHORD** 2-4=0/0

#### **JOINT STRESS INDEX**

2 = 0.14

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other
- 3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 286 Ib uplift at joint 2, 9 lb uplift at joint 4 and 90 lb uplift at joint 3. Continued on page 2

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warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE

This design is based only upon the parameters shown for an individual building component that is installed and loaded vertically and fabricated with MiTek connectors. Applicability of design parameters and proper incorporation of component into the overall building structure, including all temporary and permanent bracing, is the responsibility of building designer and / or contractor per ANSI /TP1 1 as referenced by the building code. For general guidance regarding storage, delivery, erection and bracing, consult BCSI-1 or HIB-91 Handling Installing and Bracing Recommendation available from the Wood Truss Council of America, 1 WTCA Center, 6300 Enterprise Lane, Madison, WI 53719 or the Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719



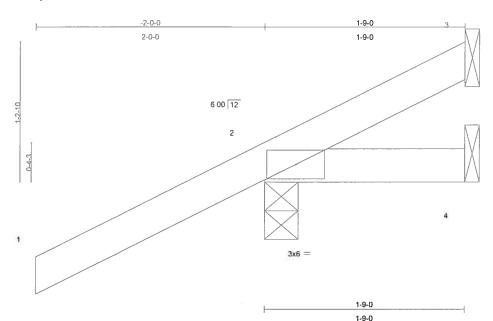
Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT
L257001	CJ1	MONO TRUSS	16	1	J1898952
Builders FirstSo	ource, Lake City, FI	32055 6.30	00 s Feb 15 2006 l	MiTek Ir	Job Reference (optional) ndustries, Inc. Tue Oct 09 09:38:14 2007 Page 2

LOAD CASE(S) Standard



Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT
L257001	CJ1A	JACK	4	1	J1898953
L257001	CJIA	JACK	4	'	Job Reference (optional)

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LOADIN	G (psf)	SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.27	Vert(LL)	-0.00	2	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.02	Vert(TL)	-0.00	2	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TF	PI2002	(Mat	rix)						Weight: 9 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.2 BOT CHORD 2 X 4 SYP No.2 **BRACING** 

TOP CHORD

Structural wood sheathing directly applied or

1-9-0 oc purlins.

**BOT CHORD** 

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

REACTIONS (lb/size) 2=229/0-3-8, 4=9/Mechanical, 3=-19/Mechanical

Max Horz 2=104(load case 6)

Max Uplift 2=-215(load case 6), 3=-19(load case 1)

Max Grav 2=229(load case 1), 4=26(load case 2), 3=42(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/47, 2-3=-52/19

**BOT CHORD** 2-4=0/0

## **JOINT STRESS INDEX**

2 = 0.12

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 215 Ib uplift at joint 2 and 19 lb uplift at joint 3. Continued on page 2

October 9,2007

Scale = 1 9 7

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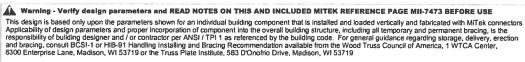
Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT	
L257001	CJ1A	JACK	4	1		J1898953
			,		Job Reference (optional)	

6.300 s Feb 15 2006 MiTek Industries, Inc. Tue Oct 09 09:38:15 2007 Page 2

LOAD CASE(S) Standard

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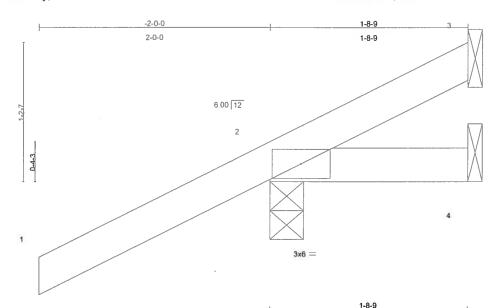






Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT	
L257001	CJ1B	JACK	2	1		J1898954
220,001	00.15	0.10.1	_		Job Reference (optional)	

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1-8-9 LOADING (psf) **SPACING** 2-0-0 CSI **DEFL** I/defl L/d **PLATES GRIP** in (loc) 20.0 **TCLL** Plates Increase 1.25 TC 0.27 Vert(LL) -0.002 >999 360 MT20 244/190 **TCDL** 7.0 Lumber Increase 1.25 BC 0.02 Vert(TL) -0.002 >999 240 **BCLL** 10.0 \* Rep Stress Incr YES WB 0.00 Horz(TL) -0.003 n/a n/a **BCDL** 5.0 Code FBC2004/TPI2002 (Matrix) Weight: 9 lb

LUMBER

TOP CHORD 2 X 4 SYP No.2

BOT CHORD 2 X 4 SYP No.2

BRACING

TOP CHORD

Structural wood sheathing directly applied or

1-8-9 oc purlins.

BOT CHORD

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

REACTIONS (lb/size) 2=230/0-3-8, 4=8/Mechanical, 3=-21/Mechanical

Max Horz 2=103(load case 6)

Max Uplift 2=-217(load case 6), 3=-21(load case 1)

Max Grav 2=230(load case 1), 4=25(load case 2), 3=45(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD

1-2=0/47, 2-3=-52/20

BOT CHORD 2-4=0/0

#### **JOINT STRESS INDEX**

2 = 0.12

#### **NOTES**

- Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 217 lb uplift at joint 2 and 21 lb uplift at joint 3. Continued on page 2

Julius Les Truss Coston Endinger Picrica Pis No. 3-1808 1106 Consels Ray Rivel Boynton Weson, Ft 154456

October 9,2007

Scale = 1.9.6

Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE

This design is based only upon the parameters shown for an individual building component that is installed and loaded vertically and fabricated with MTek connectors. Applicability of design parameters and proper incorporation of component into the overall building structure, including all temporary and permanent bracing, is the responsibility of building designer and / or contractor per ANSI / TPI 1 as referenced by the building code. For general guidance regarding storage, defivery, erection and bracing, consult BCS-1 or HIB-91 Handling Installing and Bracing Recommendation autilable from the Wood Truss Council of America, 1 WTCA Center, 6300 Enterprise Lane, Madison, Wi 53719 or the Truss Plate Institute, 583 D'Onofrio Drive, Madison, Wi 53719



Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT	
L257001	CJ1B	JACK	2	1		J1898954
2201001	0015	5,1511	-		Job Reference (optional)	

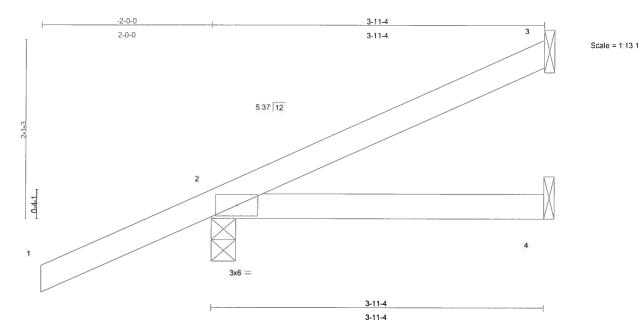
6.300 s Feb 15 2006 MiTek Industries, Inc. Tue Oct 09 09:38:16 2007 Page 2

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT
L257001	CJ3D	JACK	1	1	J1898955
					Job Reference (optional)
Builders FirstSc	ource, Lake City, FI	32055	300 s Feb 15 2006 l	MiTek Ir	ndustries, Inc. Tue Oct 09 09:38:16 2007 Page 1



LOADING TCLL TCDL BCLL	20.0 7.0	SPACING Plates Increase Lumber Increase * Rep Stress Incr	2-0-0 1.25 1.25 YES	CSI TC BC WB	0.28 0.10 0.00	DEFL Vert(LL) Vert(TL) Horz(TL)	in -0.01 -0.02 -0.00	(loc) 2-4 2-4 3	I/defl >999 >999 n/a	L/d 360 240 n/a	PLATES MT20	<b>GRIP</b> 244/190
BCDL	5.0	Code FBC2004/TF	P12002	(Mat	rix)						Weight: 16 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.2 BOT CHORD 2 X 4 SYP No.2 BRACING

TOP CHORD

Structural wood sheathing directly applied or

3-11-4 oc purlins.

BOT CHORD

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

REACTIONS (lb/size) 3=67/Mechanical, 2=269/0-3-8, 4=19/Mechanical

Max Horz 2=137(load case 6)

Max Uplift 3=-49(load case 6), 2=-201(load case 6)

Max Grav 3=67(load case 1), 2=269(load case 1), 4=56(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/43, 2-3=-57/20

BOT CHORD 2-4=0/0

# JOINT STRESS INDEX

2 = 0.12

#### NOTES

- Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 49 lb uplift at joint 3 and 201 lb uplift at joint 2. Continued on page 2

Julius Les Truse Ceelan Engineer Pioride PM No. 34060 1106 Enswid May Block Boynton beach, FL 20405

October 9,2007

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT	
L257001	CJ3D	JACK	1	1		J1898955
L237001	0000	JAOK .		'	Job Reference (optional)	

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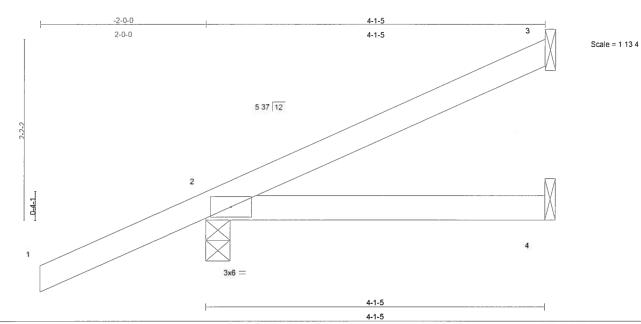
LOAD CASE(S) Standard







Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT	
	0.145	14.016				J1898957
L257001	CJ4B	JACK	1	1	Job Reference (optional)	
Builders FirstSc	ource Lake City FL	32055	6 300 s Feb 15 2006 l	MiTek Ir	adustries Inc. Tue Oct 09 09:38:18 200	7 Page 1



LOADIN	G (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)	-0.01	2-4	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.11	Vert(TL)	-0.02	2-4	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TF	PI2002	(Mati	rix)						Weight: 16 lb	

**LUMBER** 

TOP CHORD 2 X 4 SYP No.2

BOT CHORD 2 X 4 SYP No.2

**BRACING** 

TOP CHORD

Structural wood sheathing directly applied or

4-1-5 oc purlins.

**BOT CHORD** 

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

REACTIONS (lb/size) 3=73/Mechanical, 2=273/0-3-8, 4=19/Mechanical

Max Horz 2=141(load case 6)

Max Uplift 3=-54(load case 6), 2=-202(load case 6)

Max Grav 3=73(load case 1), 2=273(load case 1), 4=58(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD

1-2=0/43, 2-3=-59/22

**BOT CHORD** 2-4=0/0

#### **JOINT STRESS INDEX**

2 = 0.13

## **NOTES**

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions
- 2) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other
- 3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 54 lb uplift at joint 3 and 202 lb uplift at joint 2. Continued on page 2

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▲ Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT	
					J189895	57
L257001	CJ4B	JACK	1	1		
					Job Reference (optional)	
Builders FirstSou	rce, Lake City, FI	32055	6.300 s Feb 15 2006 l	MiTek Ir	dustries, Inc. Tue Oct 09 09:38:18 2007 Page 2	

LOAD CASE(S) Standard







Job	Truss	Truss Type		Qty	Ply	WO	ODMAN	PARK-BAR	RETT	J1898958
L257001	CJ5B	SPECIAL		1			Referenc	e (optional)		11090900
Builders FirstSource	, Lake City, FI 32055		6.300	s Feb 15 2006	MiTek				09:38:18 2007	Page 1
	-2-0-0		2-3-8			6	0-0			
	2-0-0	-	2-3-8				8-8			
										Scale = 1:17 0
	1	3x6 =	5.37 12	2x4    3 8 4x6 =		6 00		2x4    5 6 x6 =	1-7-0	
			2-3-8			4-3-8		<u>4-11-5 5-Ω</u> 0		
			2-3-8			2-0-0		0-7-13 0-0-12		
LOADING (psf) TCLL 20.0 TCDL 7.0 BCLL 10.0 BCDL 5.0	SPACING Plates Increase Lumber Increase * Rep Stress Incr Code FBC2004/TP	2-0-0 CSI 1.25 TC 1.25 BC YES WB I2002 (Ma	0.28 0.03 0.02	, ,	in 0.06 -0.07 -0.02	(loc) 8 8 6	I/defl >956 >862 n/a	L/d 360 240 n/a	PLATES MT20 Weight: 22 lb	<b>GRIP</b> 244/190
LUMBER TOP CHORD 2 X BOT CHORD 2 X WEBS 2 X		,	,	BRACING TOP CHORI		5-0-0 o	c purlins	i.	directly applie	ed or

bracing.

REACTIONS (lb/size) 5=124/Mechanical, 2=295/0-3-8, 6=3/Mechanical

Max Horz 2=159(load case 6)

Max Uplift 5=-70(load case 6), 2=-204(load case 6)

Max Grav 5=124(load case 1), 2=295(load case 1), 6=10(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/43, 2-3=-75/0, 3-4=-66/27, 4-5=-54/50

BOT CHORD

2-8=-3/0, 7-8=-4/18, 6-7=-0/0

**WEBS** 

3-8=0/60, 4-7=0/43

### **JOINT STRESS INDEX**

2 = 0.13, 3 = 0.04, 4 = 0.03, 7 = 0.01 and 8 = 0.03

## **NOTES**

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi

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Continued on page 2

Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE



Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT	
L257001	CJ5B	SPECIAL	1	1		J1898958
					Job Reference (optional)	

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### **NOTES**

4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 70 lb uplift at joint 5 and 204 lb uplift at joint 2.

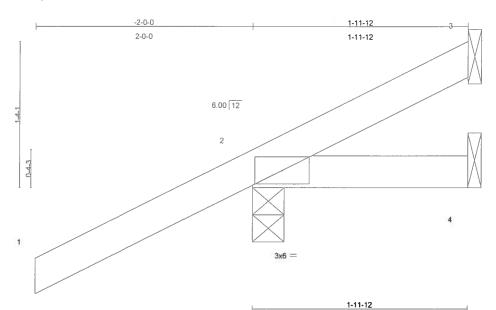
LOAD CASE(S) Standard

Julius Lam Truss Ceston Engineer Fichos Pik No. 34900 1406 Chambel Bay Blyd Boynton Weston, FL Botton



Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT	
						J1898959
L257001	EJ2	JACK	5	1		
					Job Reference (optional)	

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1-11-12 LOADING (psf) SPACING 2-0-0 CSI **DEFL** in (loc) I/defl L/d **PLATES GRIP TCLL** 20.0 1.25 TC 0.27 Vert(LL) Plates Increase -0.002 >999 360 MT20 244/190 >999 **TCDL** 7.0 1.25 BC 0.03 Vert(TL) 240 Lumber Increase -0.002-4 **BCLL** 10.0 Rep Stress Incr YES WB 0.00 Horz(TL) -0.00 3 n/a n/a Code FBC2004/TPI2002 **BCDL** 5.0 (Matrix) Weight: 10 lb

LUMBER

TOP CHORD 2 X 4 SYP No.2 BOT CHORD 2 X 4 SYP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or

1-11-12 oc purlins.

BOT CHORD

Rigid ceiling directly applied or 10-0-0 oc

bracing.

REACTIONS (lb/size) 2=229/0-3-8, 4=10/Mechanical, 3=-5/Mechanical

Max Horz 2=109(load case 6)

Max Uplift 2=-207(load case 6), 3=-8(load case 9)

Max Grav 2=229(load case 1), 4=29(load case 2), 3=26(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/47, 2-3=-51/11

BOT CHORD 2-4=0/0

## **JOINT STRESS INDEX**

2 = 0.12

#### NOTES

- Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 207 lb uplift at joint 2 and 8 lb uplift at joint 3. Continued on page 2

Hallian Law Truse Cesian Engineer Florida FM NG. 3-1868 1-100 Cambial Bay Riva Woynion Weach. +L 55-15:

October 9,2007

Scale = 1 10.2

Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT	
L257001	EJ2	JACK	5	1		J1898959
		07.6.1			Job Reference (optional)	

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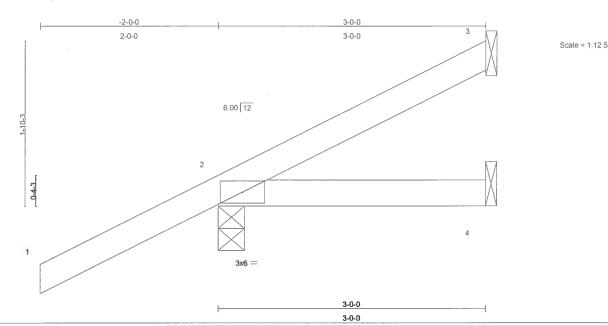
LOAD CASE(S) Standard

i Lam Capida Endinepr A PE No. 34 Meb Capida Ray Riva Ca Wesch, FL SS455



Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT	
L257001	EJ3	JACK	13	1	J18	898960
220,001	200	0,1611	13		Job Reference (optional)	

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LOADIN	G (psf)	SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATE\$	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	0.01	2-4	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.08	Vert(TL)	-0.01	2-4	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TF	PI2002	(Mat	rix)						Weight: 13 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.2 BOT CHORD 2 X 4 SYP No.2 **BRACING** 

**TOP CHORD** 

Structural wood sheathing directly applied or

3-0-0 oc purlins.

**BOT CHORD** 

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

REACTIONS (lb/size) 3=31/Mechanical, 2=250/0-3-8, 4=14/Mechanical

Max Horz 2=132(load case 6)

Max Uplift 3=-28(load case 7), 2=-238(load case 6), 4=-27(load case 4) Max Grav 3=31(load case 1), 2=250(load case 1), 4=42(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/47, 2-3=-57/7

**BOT CHORD** 2-4=0/0

## JOINT STRESS INDEX

2 = 0.13

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 28 lb uplift at joint 3, 238 lb uplift at joint 2 and 27 lb uplift at joint 4. Continued on page 2

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT	
L257001	EJ3	JACK	13	1	J1898	960
2237001	200	JACK	13		Job Reference (optional)	

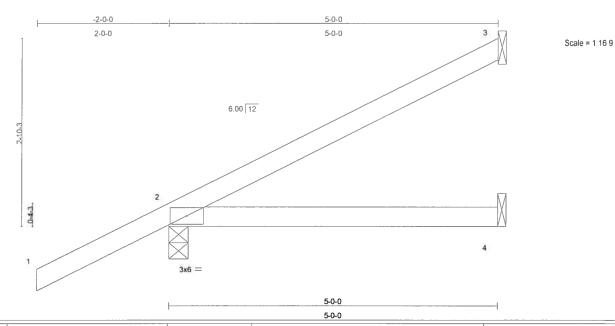
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LOAD CASE(S) Standard



Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT
L257001	EJ5	JACK	4	4	J1898961
L257001	E35	JACK	4	•	Job Reference (optional)

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LOADING (ps	)	SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.	)	Plates Increase	1.25	TC	0.29	Vert(LL)	-0.03	2-4	>999	360	MT20	244/190
TCDL 7.	)	Lumber Increase	1.25	BC	0.16	Vert(TL)	-0.05	2-4	>999	240		
BCLL 10.	)	* Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL 5.	)	Code FBC2004/TF	PI2002	(Mat	rix)						Weight: 19 lb	

**LUMBER** 

TOP CHORD 2 X 4 SYP No.2 BOT CHORD 2 X 4 SYP No.2

**BRACING** 

TOP CHORD

Structural wood sheathing directly applied or

5-0-0 oc purlins.

**BOT CHORD** 

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

REACTIONS (lb/size) 3=103/Mechanical, 2=295/0-3-8, 4=24/Mechanical

Max Horz 2=178(load case 6)

Max Uplift 3=-87(load case 6), 2=-199(load case 6)

Max Grav 3=103(load case 1), 2=295(load case 1), 4=72(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/47, 2-3=-88/36

2-4=0/0 **BOT CHORD** 

#### **JOINT STRESS INDEX**

2 = 0.14

#### **NOTES**

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 87 lb uplift at joint 3 and 199 lb uplift at joint 2. Continued on page 2

October 9,2007

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT	
1.057004	- 15	14014				J1898961
L257001	EJ5	JACK	4	1		
					Job Reference (optional)	

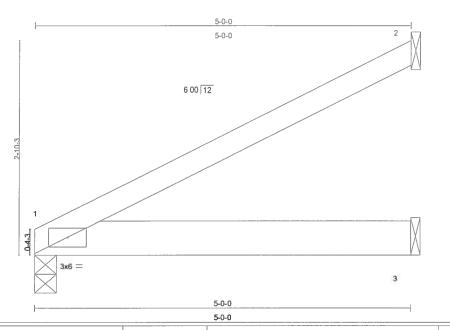
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LOAD CASE(S) Standard



	Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT	
	1.057004	FIEA	MONO TRUES			J189896	2
	L257001	EJ5A	MONO TRUSS	1	1	Job Reference (optional)	
L						300 Reference (optional)	

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LOADIN	G (psf)	SPACING	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.32	Vert(LL)	0.04	1-3	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.34	Vert(TL)	-0.06	1-3	>910	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.00	Horz(TL)	-0.00	2	n/a	n/a		
BCDL	5.0	Code FBC2004/TF	PI2002	(Mati	rix)						Weight: 20 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.2 BOT CHORD 2 X 6 SYP No.1D

**BRACING** 

TOP CHORD

Structural wood sheathing directly applied or

5-0-0 oc purlins.

**BOT CHORD** 

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

REACTIONS (lb/size) 1=525/0-3-8, 2=129/Mechanical, 3=396/Mechanical

Max Horz 1=112(load case 5)

Max Uplift 1=-232(load case 5), 2=-119(load case 5), 3=-170(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-70/47 BOT CHORD 1-3=0/0

### **JOINT STRESS INDEX**

1 = 0.06

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS 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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 232 Ib uplift at joint 1, 119 lb uplift at joint 2 and 170 lb uplift at joint 3.
- 5) Girder carries tie-in span(s): 12-0-0 from 0-0-0 to 5-0-0
- 6) 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

October 9,2007

Scale = 1 14 7

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT
L257001	EJ5A	MONO TRUSS	1	1	J1898962
L257001	EJJA	WONO TRUSS	1	'	Job Reference (optional)

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LOAD CASE(S) Standard

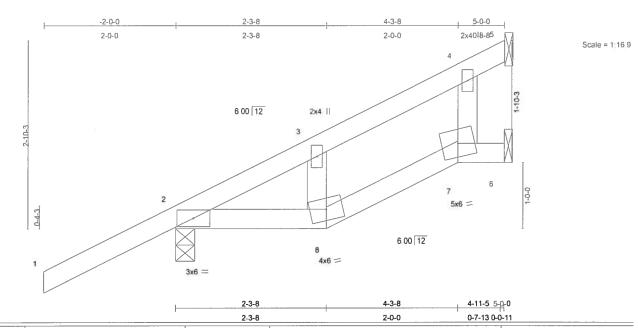
1) Regular: Lumber Increase=1.25, Plate Increase=1.25 Uniform Loads (plf)

Vert: 1-2=-54, 1-3=-165(F=-155)



Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT	
	= 150	000000				J1898963
L257001	EJ5B	SPECIAL	3	1		
					Job Reference (optional)	

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LOADING (psf)	SPACING	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	0.06	8	>886	360	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC	0.03	Vert(TL)	-0.07	8	>842	240		
BCLL 10.0	* Rep Stress Incr	YES	WB	0.02	Horz(TL)	-0.02	6	n/a	n/a		
BCDL 5.0	Code FBC2004/Ti	P <b>I2</b> 002	(Mat	rix)						Weight: 23 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.2 BOT CHORD 2 X 4 SYP No.2

WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD

Structural wood sheathing directly applied or

5-0-0 oc purlins.

**BOT CHORD** 

Rigid ceiling directly applied or 6-0-0 oc

bracing.

REACTIONS (lb/size) 5=124/Mechanical, 2=295/0-3-8, 6=3/Mechanical

Max Horz 2=178(load case 6)

Max Uplift 5=-75(load case 6), 2=-199(load case 6)

Max Grav 5=124(load case 1), 2=295(load case 1), 6=10(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/47, 2-3=-86/0, 3-4=-75/30, 4-5=-63/54 BOT CHORD 2-8=-3/0, 7-8=-5/16, 6-7=-0/0

WEBS 3-8=0/60, 4-7=0/42

## **JOINT STRESS INDEX**

2 = 0.14, 3 = 0.04, 4 = 0.03, 7 = 0.01 and 8 = 0.03

#### **NOTES**

- Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi

Continued on page 2

Plonds PR No. 34868 1100 Chawlet Pay Alva Goynton Gøsch. + L 5645

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT	
L257001	EJ5B	SPECIAL	2	1		J1898963
L257001	EJOB	SPECIAL	3	'	Job Reference (optional)	

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### **NOTES**

4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 75 lb uplift at joint 5 and 199 lb uplift at joint 2.

LOAD CASE(S) Standard



Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT	
L257001	EJ7	JACK	24	1		J1898964
					Job Reference (optional)	

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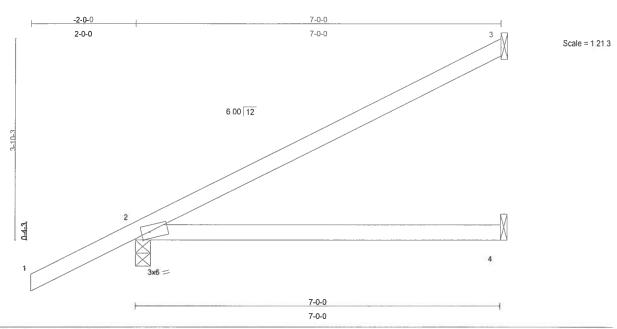


Plate Of	fsets (X, Y	'): [2:0-1-12,Edge]		_								
LOADIN	G (psf)	SPACING	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.48	Vert(LL)	-0.08	2-4	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	ВС	0.28	Vert(TL)	-0.16	2-4	>501	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TF	PI2002	(Mat	rix)	, ,					Weight: 26 lb	

#### LUMBER

TOP CHORD 2 X 4 SYP No.2 BOT CHORD 2 X 4 SYP No.2

## BRACING

TOP CHORD

Structural wood sheathing directly applied or

6-0-0 oc purlins.

BOT CHORD

Rigid ceiling directly applied or 10-0-0 oc

bracing.

REACTIONS (lb/size) 3=154/Mechanical, 2=352/0-3-8, 4=45/Mechanical

Max Horz 2=161(load case 6)

Max Uplift 3=-84(load case 6), 2=-139(load case 6)

Max Grav 3=154(load case 1), 2=352(load case 1), 4=94(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/47, 2-3=-119/54

BOT CHORD 2-4=0/0

## JOINT STRESS INDEX

2 = 0.77

## **NOTES**

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads
- 3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 84 lb Complificat joint 3 and 139 lb uplift at joint 2.

Julius Les Tales Cession Chomes Plonids PE No. 34 Bob 1100 Cassis May Alva Boviton Beson, 1-L 35455

October 9,2007

Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT	
L257001	EJ7	JACK	24	1	J'	1898964
					Job Reference (optional)	

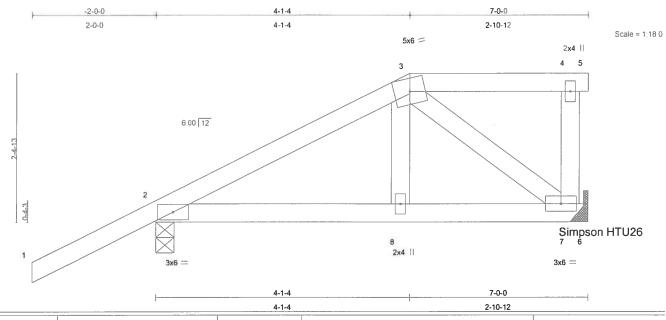
6.300 s Feb 15 2006 MiTek Industries, Inc. Tue Oct 09 09:38:21 2007 Page 2

LOAD CASE(S) Standard



Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT	
						J1898965
L257001	EJ7A	MONO HIP	1	1		
					Job Reference (optional)	

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LOADIN	G (psf)	SPACING	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	-0.01	2-8	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.07	Vert(TL)	-0.01	2-8	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.05	Horz(TL)	0.00	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TF	PI2002	(Mat	rix)						Weight: 35 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.2

BOT CHORD 2 X 4 SYP No.2 WEBS 2 X 4 SYP No.3 BRACING

TOP CHORD Structural wood sheathing directly applied or

6-0-0 oc purlins.

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc

bracing.

REACTIONS (lb/size) 2=345/0-3-8, 7=198/Mechanical

Max Horz 2=116(load case 6)

Max Uplift 2=-150(load case 6), 7=-55(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/47, 2-3=-234/88, 3-4=-0/0, 4-5=0/0

BOT CHORD 2-8=-130/159, 7-8=-134/157, 6-7=0/0

WEBS

3-8=0/112, 3-7=-201/172, 4-7=-64/52

### **JOINT STRESS INDEX**

2 = 0.32, 3 = 0.17, 4 = 0.03, 7 = 0.08 and 8 = 0.08

### **NOTES**

1) Unbalanced roof live loads have been considered for this design.

- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 3) Provide adequate drainage to prevent water ponding.
- \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi

Continued on page 2

Julius Les Truse (Deelan (Indineer Floride Fa Nd. a-1866 1406 (Fassis Rey Flori Boynton Woedn, HL 20456

October 9,2007

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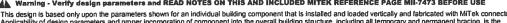
Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT
L257001	EJ7A	MONO HIP	1	1	J189896
L237001	LUIA	INICIAC TITE	'	,	Job Reference (optional)

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#### **NOTES**

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 150 lb uplift at joint 2 and 55 lb uplift at joint 7.

LOAD CASE(S) Standard

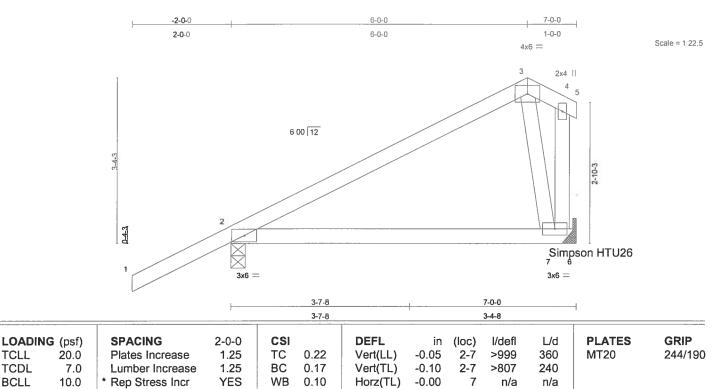






Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT	
L257001	EJ7B	COMMON	1	1		J1898966
237001	Lord	COMMON	<b>'</b>	'	Job Reference (optional)	

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LUMBER

**TCLL** 

TCDL

**BCLL** 

**BCDL** 

TOP CHORD 2 X 4 SYP No.1D

BOT CHORD 2 X 4 SYP No.1D

5.0

2 X 4 SYP No.3 WEBS

**BRACING** 

(Matrix)

TOP CHORD

Structural wood sheathing directly applied or

Weight: 34 lb

6-0-0 oc purlins.

**BOT CHORD** 

Rigid ceiling directly applied or 10-0-0 oc

bracing.

REACTIONS (lb/size) 2=340/0-3-8, 7=203/Mechanical

Max Horz 2=137(load case 6)

Code FBC2004/TPI2002

Max Uplift 2=-147(load case 6), 7=-51(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/47, 2-3=-153/27, 3-4=-83/89, 4-5=0/2

**BOT CHORD** 2-7=-86/73, 6-7=0/0

**WEBS** 3-7=-350/408, 4-7=-213/191

#### **JOINT STRESS INDEX**

2 = 0.53, 3 = 0.72, 4 = 0.13 and 7 = 0.22

## **NOTES**

1) Unbalanced roof live loads have been considered for this design.

- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 3) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 147 Ib uplift at joint 2 and 51 lb uplift at joint 7. Continued on page 2

October 9,2007

Marning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT	
L257001	EJ7B	COMMON	1	1	J189896	36
			<u> </u>		Job Reference (optional)	

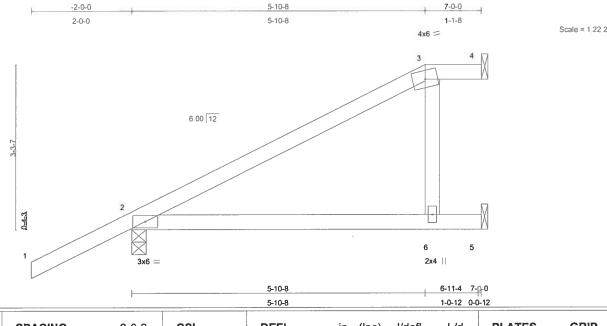
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LOAD CASE(S) Standard



Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT
					J1898967
L257001	EJ7C	MONO HIP	1	1	,
					Job Reference (optional)

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LOADING TCLL TCDL BCLL	20.0 7.0	SPACING Plates Increase Lumber Increase * Rep Stress Incr	2-0-0 1.25 1.25 YES	CSI TC BC	0.31 0.28	Vert(LL)	in 0.14 -0.16 0.04	(loc) 2-6 2-6	l/defl >577 >495	L/d 360 240	PLATES MT20	<b>GRIP</b> 244/190
BCLL	10.0	* Rep Stress Incr	YES	WB	0.06	Horz(TL)	0.04	4	n/a	n/a		
BCDL	5.0	Code FBC2004/TF	PI2002	(Mat	rix)						Weight: 29 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.2 BOT CHORD 2 X 4 SYP No.2

WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD

Structural wood sheathing directly applied or

6-0-0 oc purlins.

BOT CHORD

Rigid ceiling directly applied or 6-0-0 oc

bracing.

REACTIONS (lb/size) 4=34/Mechanical, 2=352/0-3-8, 5=165/Mechanical

Max Horz 2=145(load case 6)

Max Uplift 2=-146(load case 6), 5=-73(load case 6)

Max Grav 4=66(load case 2), 2=352(load case 1), 5=165(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/47, 2-3=-94/39, 3-4=-0/1

BOT CHORD 2-6=-12/7, 5-6=0/0

WEBS 3-6=-153/248

## **JOINT STRESS INDEX**

2 = 0.32, 3 = 0.37 and 6 = 0.14

## **NOTES**

1) Unbalanced roof live loads have been considered for this design.

- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi Continued on page 2

Julium Les Truss Chesian Chameer Plotise Per No. Siese 1 100 Crestal Bay Blori Bounton Besch. FL 18732

October 9,2007

Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT	
L257001	E 17C	MONO HIP	1	1	J18989	967
L257001	E37C	WONG HIP		'	Job Reference (optional)	

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### **NOTES**

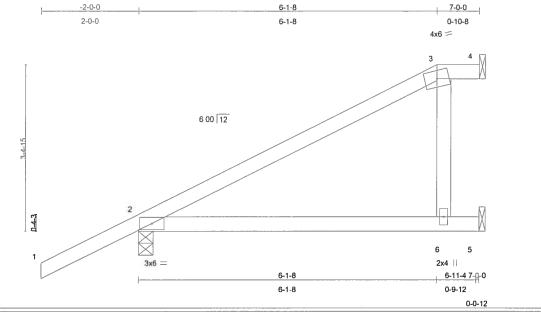
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 146 lb uplift at joint 2 and 73 lb uplift at joint 5.

LOAD CASE(S) Standard



Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT
L257001	F.I7D	MONO HIP	1	1	J1898968
2237007	20,0	I Morto Fili			Job Reference (optional)

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LOADIN TCLL TCDL BCLL	<b>G</b> (psf) 20.0 7.0 10.0	SPACING Plates Increase Lumber Increase * Rep Stress Incr	2-0-0 1.25 1.25 YES	CSI TC BC WB	0.31 0.27 0.08	DEFL Vert(LL) Vert(TL) Horz(TL)	in 0.14 -0.16 0.03	(loc) 2-6 2-6 4	l/defl >603 >500 n/a	L/d 360 240 n/a	PLATES MT20	<b>GRIP</b> 244/190
BCDL	5.0	Code FBC2004/TF		(Mat		11012(12)	0.03	7	11/4	II/a	Weight: 30 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.2 BOT CHORD 2 X 4 SYP No.2

WEBS 2 X 4 SYP No.2

BRACING

TOP CHORD

Structural wood sheathing directly applied or

6-0-0 oc purlins.

BOT CHORD

Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (lb/size) 4=-10/Mechanical, 2=352/0-3-8, 5=209/Mechanical

Max Horz 2=149(load case 6)

Max Uplift 4=-10(load case 1), 2=-145(load case 6), 5=-103(load case 6)
Max Grav 4=64(load case 2), 2=352(load case 1), 5=209(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/47, 2-3=-99/42, 3-4=-1/1

BOT CHORD 2-6=-15/9, 5-6=0/0 WEBS 3-6=-194/310

### **JOINT STRESS INDEX**

2 = 0.34, 3 = 0.37 and 6 = 0.17

#### **NOTES**

1) Unbalanced roof live loads have been considered for this design.

- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 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) All bearings are assumed to be  $\,$  SYP No.2 crushing capacity of 565.00 psi Continued on page 2

Truss Design Engineer Florida FE No. 3-1966 3-106 Chastal Bay Blod Boynton Weach, FE 15456

October 9,2007

Scale = 1 22 8

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT
L257001	EJ7D	MONO HIP	1		J1898968
2207001	20.0	Incite in			Job Reference (optional)

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#### NOTES

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 10 lb uplift at joint 4, 145 lb uplift at joint 2 and 103 lb uplift at joint 5.

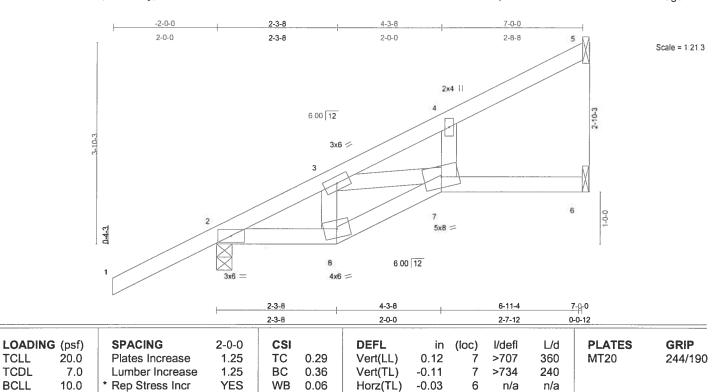
LOAD CASE(S) Standard

Julius Les Trues Cesian Engineer Plonds PB No. 11989 1106 Crastal Bay Styri



Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT	
L257001	EJ7T	SPECIAL	3	1		J1898969
	Name and				Job Reference (optional)	

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LUMBER

**TCLL** 

TCDL

**BCLL** 

**BCDL** 

TOP CHORD 2 X 4 SYP No.2 BOT CHORD 2 X 4 SYP No.2

5.0

**WEBS** 2 X 4 SYP No.3 **BRACING** 

TOP CHORD

Structural wood sheathing directly applied or

Weight: 32 lb

6-0-0 oc purlins.

**BOT CHORD** 

Rigid ceiling directly applied or 6-0-0 oc

bracing.

REACTIONS (lb/size) 5=122/Mechanical, 2=352/0-3-8, 6=77/Mechanical

Code FBC2004/TPI2002

Max Horz 2=161(load case 6)

Max Uplift 5=-55(load case 6), 2=-139(load case 6), 6=-16(load case 6) Max Grav 5=122(load case 1), 2=352(load case 1), 6=81(load case 2)

(Matrix)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/47, 2-3=-329/69, 3-4=-112/0, 4-5=-72/48

**BOT CHORD** 2-8=-235/260, 7-8=-213/248, 6-7=-0/0 **WEBS** 3-8=-26/65, 3-7=-256/233, 4-7=0/80

### **JOINT STRESS INDEX**

2 = 0.53, 3 = 0.09, 4 = 0.05, 7 = 0.72 and 8 = 0.20

#### **NOTES**

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 55 lb uplift at joint 5, 139 lb uplift at joint 2 and 16 lb uplift at joint 6. Continued on page 2

October 9,2007

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	Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT	
	1.057004	C 17T	SDECIAL	2	,	J18	898969
	L257001	EJ/I	SPECIAL	3	1	Job Reference (optional)	
ı						30b Reference (optional)	

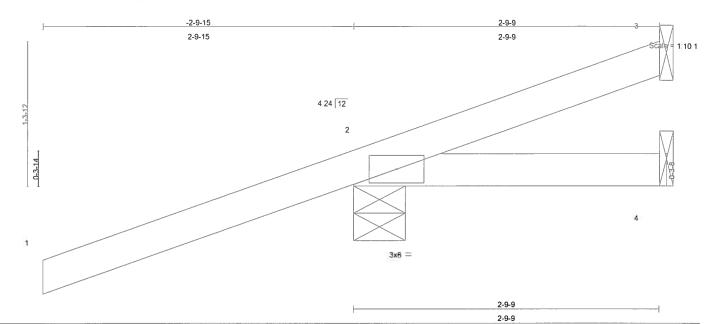
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LOAD CASE(S) Standard



Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT	
						J1898970
L257001	HJ2	JACK	2	1		
					Job Reference (optional)	

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LOADING (psf) TCLL 20.0 TCDL 7.0	SPACING Plates Increase Lumber Increase	2-0-0 1.25 1.25	CSI TC BC	0.54	DEFL Vert(LL) Vert(TL)	in -0.00 -0.00	(loc) 2-4 2-4	I/defl >999 >999	L/d 360 240	PLATES MT20	<b>GRIP</b> 244/190
BCLL 10.0 BCDL 5.0	* Rep Stress Incr Code FBC2004/TF	NO 12002	WB (Mat	0.00 rix)	Horz(TL)	-0.00	3	n/a	n/a	Weight: 13 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.2

BOT CHORD 2 X 4 SYP No.2

**BRACING** 

TOP CHORD

Structural wood sheathing directly applied or

2-9-9 oc purlins.

**BOT CHORD** 

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

REACTIONS (lb/size) 3=-68/Mechanical, 2=289/0-5-11, 4=6/Mechanical

Max Horz 2=77(load case 3)

Max Uplift 3=-68(load case 1), 2=-292(load case 3)

Max Grav 3=95(load case 3), 2=289(load case 1), 4=31(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/50, 2-3=-44/34

**BOT CHORD** 2-4=0/0

# **JOINT STRESS INDEX**

2 = 0.12

#### **NOTES**

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS 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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 68 lb uplift at joint 3 and 292 lb uplift at joint 2.
- 5) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back Continued on page 2

October 9,2007

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT	
1.057004	1110	14.014				J1898970
L257001	HJ2	JACK	2	1		
					Job Reference (optional)	

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LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf) Vert: 1-2=-54 Trapezoidal Loads (plf)

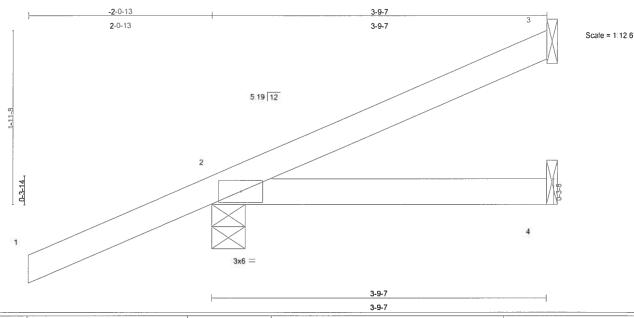
Vert: 2=-3(F=25, B=25)-to-3=-38(F=8, B=8), 2=-0(F=5, B=5)-to-4=-7(F=1, B=1)

Julius Less Trues Ceston Choinser Florida Pil No. 3-1860 1460 Chastal May Muni



Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT	
						J1898971
L257001	HJ3	JACK	1	1		
		mary leading			Job Reference (optional)	

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LOADIN	IG (psf)	SPACING	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.30	Vert(LL)	-0.01	2-4	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.08	Vert(TL)	-0.01	2-4	>999	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TF	PI2002	(Mat	rix)						Weight: 15 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.2

BOT CHORD 2 X 4 SYP No.2

**BRACING** 

TOP CHORD

Structural wood sheathing directly applied or

3-9-7 oc purlins.

**BOT CHORD** 

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

REACTIONS (lb/size) 3=23/Mechanical, 2=200/0-4-10, 4=11/Mechanical

Max Horz 2=87(load case 5)

Max Uplift 3=-3(load case 6), 2=-174(load case 5)

Max Grav 3=26(load case 7), 2=200(load case 1), 4=46(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/44, 2-3=-30/10

BOT CHORD 2-4=0/0

## **JOINT STRESS INDEX**

2 = 0.09

# **NOTES**

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS 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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 3 lb uplift at joint 3 and 174 lb uplift at joint 2.
- 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

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🛕 Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT	
					J189897	1
L257001	HJ3	JACK	1	1		
					Job Reference (optional)	

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LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25

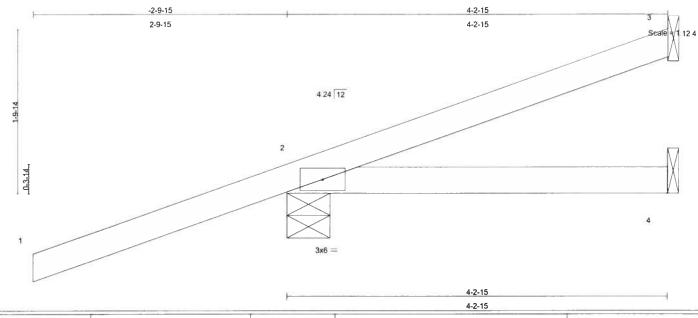
Uniform Loads (plf) Vert: 1-2=-54 Trapezoidal Loads (plf)

Vert: 2=-3(F=26, B=26)-to-3=-51(F=1, B=1), 2=-0(F=5, B=5)-to-4=-9(F=0, B=0)



Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT	
						J1898972
L257001	HJ4	JACK	6	1		
					Job Reference (optional)	

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LOADIN	G (psf)	SPACING	2-0-0	CSI		DEFL	in	(loc)	I/defi	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.54	Vert(LL)	0.02	2-4	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.10	Vert(TL)	-0.02	2-4	>999	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TF	PI2002	(Mat	rix)						Weight: 18 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.2 BOT CHORD 2 X 4 SYP No.2 **BRACING** 

TOP CHORD

Structural wood sheathing directly applied or

4-2-15 oc purlins.

**BOT CHORD** 

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

REACTIONS (lb/size) 3=13/Mechanical, 2=279/0-5-11, 4=14/Mechanical

Max Horz 2=98(load case 3)

Max Uplift 3=-5(load case 6), 2=-305(load case 3), 4=-41(load case 3) Max Grav 3=33(load case 7), 2=279(load case 1), 4=53(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/50, 2-3=-38/11

BOT CHORD 2-4=0/0

# **JOINT STRESS INDEX**

2 = 0.11

# **NOTES**

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60.
- 2) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 5 lb uplift at joint 3, 305 lb uplift at joint 2 and 41 lb uplift at joint 4.

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Continued on page 2

Marning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT	
1.257004	ыи	JACK	6	4		J1898972
L257001	HJ4	JACK	0		Job Reference (optional)	

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#### **NOTES**

5) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

# LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf) Vert: 1-2=-54

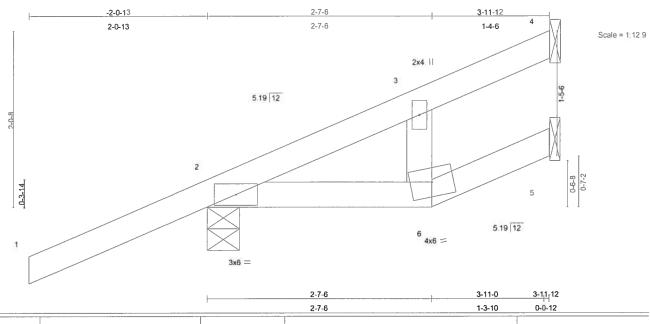
Trapezoidal Loads (plf)
Vert: 2=-3(F=25, B=25)-to-3=-57(F=-2, B=-2), 2=-0(F=5, B=5)-to-4=-11(F=-0, B=-0)

Julius Les Truss Cosign Chainesr Plonda Fe No. 3-1988 1400 Chastal Ray Alvi



Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT	
1.057004		ODEGIA			J189897	3
L257001	HJ4A	SPECIAL	2	1		
					Job Reference (optional)	

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LOADING (psf)	SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	-0.02	6	>999	360	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC	0.04	Vert(TL)	-0.01	6	>999	240		
BCLL 10.0	* Rep Stress Incr	NO	WB	0.02	Horz(TL)	-0.01	5	n/a	n/a		
BCDL 5.0	Code FBC2004/TF	PI2002	(Mat	rix)						Weight: 18 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.2 BOT CHORD 2 X 4 SYP No.2

WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD

Structural wood sheathing directly applied or

3-11-12 oc purlins.

BOT CHORD

Rigid ceiling directly applied or 6-0-0 oc

REACTIONS (lb/size) 4=38/Mechanical, 2=201/0-4-8, 5=6/Mechanical

Max Horz 2=90(load case 5)

Max Uplift 4=-5(load case 5), 2=-172(load case 5)

Max Grav 4=39(load case 2), 2=201(load case 1), 5=19(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/44, 2-3=-32/5, 3-4=-8/15

BOT CHORD 2-6=-7/0, 5-6=-6/6

WEBS 3-6=0/48

# **JOINT STRESS INDEX**

2 = 0.09, 3 = 0.03 and 6 = 0.02

# **NOTES**

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
- \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 5 lb uplift at joint 4 and 172 lb uplift at joint 2.

Trues Chesian Engineer Planda Pm No. 3-1888 1-166 Chastal Bay Rivn Boynton Besch, +L bosto

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Continued on page 2

Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT	
1.057004	HJ4A	SPECIAL	2	1		J1898973
L257001	ПЈ4А	SPECIAL	2	'	Job Reference (optional)	

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#### **NOTES**

5) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

# LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf) Vert: 1-2=-54

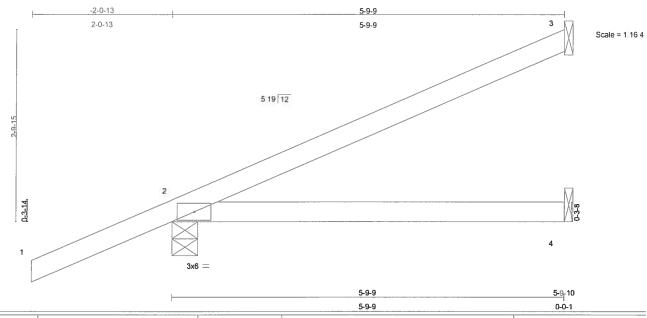
Trapezoidal Loads (plf)

Vert: 2=-3(F=26, B=26)-to-4=-54(F=0, B=0), 2=0(F=5, B=5)-to-6=-6(F=2, B=2), 6=-6(F=2, B=2)-to-5=-10(F=0, B=0)



Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT	
1.057004	HJ5A	JACK	4		J18	398974
L257001	HJDA	JACK	'	•	Job Reference (optional)	

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LOADING	G (psf)	SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defi	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.30	Vert(LL)	-0.05	2-4	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.22	Vert(TL)	-0.08	2-4	>868	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TF	PI2002	(Mat	rix)	, ,					Weight: 22 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.2 BOT CHORD 2 X 4 SYP No.2 **BRACING** 

TOP CHORD

Structural wood sheathing directly applied or

5-9-9 oc purlins.

**BOT CHORD** 

Rigid ceiling directly applied or 10-0-0 oc

bracing.

REACTIONS (lb/size) 3=122/Mechanical, 2=238/0-4-10, 4=27/Mechanical

Max Horz 2=138(load case 5)

Max Uplift 3=-98(load case 5), 2=-166(load case 5)

Max Grav 3=122(load case 1), 2=238(load case 1), 4=82(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/44, 2-3=-54/33

BOT CHORD 2-4=0/0

### **JOINT STRESS INDEX**

2 = 0.10

# **NOTES**

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS 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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 98 lb uplift at joint 3 and 166 lb uplift at joint 2.
- 5) 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

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT
L257001	HJ5A	JACK	1	1	J1898974
					Job Reference (optional)

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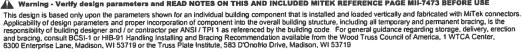
# LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25 Uniform Loads (plf)

Vert: 1-2=-54 Trapezoidal Loads (plf)

Vert: 2=-3(F=26, B=26)-to-3=-78(F=-12, B=-12), 2=-0(F=5, B=5)-to-4=-15(F=-2, B=-2)

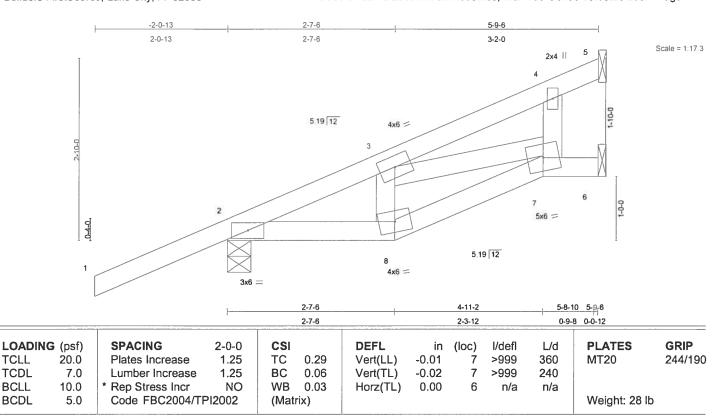






Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT	
L257001	HJ6	SPECIAL		1	J18	98975
L257001	HJ0	SPECIAL	2		Job Reference (optional)	

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**LUMBER** 

TOP CHORD 2 X 4 SYP No.2 BOT CHORD 2 X 4 SYP No.2

WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD

Structural wood sheathing directly applied or

5-9-6 oc purlins.

BOT CHORD

Rigid ceiling directly applied or 10-0-0 oc

bracing.

REACTIONS (lb/size) 5=143/Mechanical, 2=237/0-4-8, 6=5/Mechanical

Max Horz 2=134(load case 5)

Max Uplift 5=-84(load case 5), 2=-166(load case 5)

Max Grav 5=143(load case 1), 2=237(load case 1), 6=13(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/44, 2-3=-130/0, 3-4=-50/2, 4-5=-36/55

BOT CHORD 2-8=-9/112, 7-8=-10/134, 6-7=0/0 WEBS 3-7=-102/8, 4-7=0/102, 3-8=-22/14

# **JOINT STRESS INDEX**

2 = 0.11, 3 = 0.03, 4 = 0.07, 7 = 0.05 and 8 = 0.04

#### **NOTES**

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
- \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 84 lb uplift at joint 5 and 166 lb uplift at joint 2.

Julius Les Truss Coston Choinsor Florida FE No. 3-1809 1966 Chastal May Alvi Goynton Gosch, FL 5045

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Continued on page 2

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT
1.057004	1116	SDECIAL STATE OF THE STATE OF T			J1898975
L257001	HJ6	SPECIAL	2	1	
					Job Reference (optional)

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#### **NOTES**

5) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

# LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf) Vert: 1-2=-54

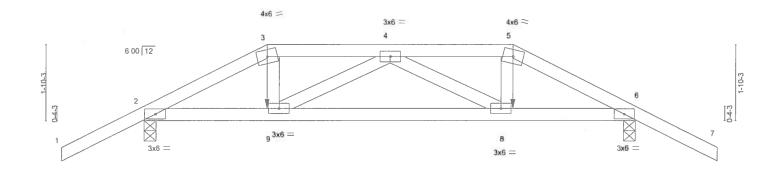
Trapezoidal Loads (plf)

Vert: 2=-3(F=26, B=26)-to-5=-78(F=-12, B=-12), 2=0(F=5, B=5)-to-8=-6(F=2, B=2), 8=-6(F=2, B=2)-to-7=-12(F=-1, B=-1) , 7=-12(F=-1, B=-1)-to-6=-14(F=-2, B=-2)



Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT
					J1898976
L257001	T01	HIP	1	1	
					Job Reference (optional)
Builders FirstSo	urce, Lake City, FI 3	2055	6.300 s Feb 15 2006	MiTek Ir	ndustries, Inc. Tue Oct 09 09:38:28 2007 Page 1





	3-0-0					9-0-0		+		12-0-0		
		3-0-0		T	Service Con-	6-0-0	V T PERIO			3-0-0		
LOADIN	IG (psf)	SPACING	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.27	Vert(LL)	-0.03	8-9	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.22	Vert(TL)	-0.06	8-9	>999	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.07	Horz(TL)	0.01	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TF	PI2002	(Mat	rix)						Weight: 56 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING TOP CHORD

Structural wood sheathing directly applied or

6-0-0 oc purlins.

BOT CHORD

Rigid ceiling directly applied or 10-0-0 oc

bracing.

**REACTIONS** (lb/size) 2=572/0-3-8, 6=572/0-3-8

Max Horz 2=54(load case 5)

Max Uplift 2=-195(load case 5), 6=-195(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/47, 2-3=-744/175, 3-4=-632/168, 4-5=-632/168, 5-6=-744/175, 6-7=0/47

BOT CHORD 2-9=-123/614, 8-9=-192/817, 6-8=-115/614

WEBS 3-9=-30/207, 4-9=-226/125, 4-8=-226/124, 5-8=-30/207

# **JOINT STRESS INDEX**

2 = 0.46, 3 = 0.14, 4 = 0.06, 5 = 0.14, 6 = 0.46, 8 = 0.13 and 9 = 0.13

# **NOTES**

- 1) Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS; 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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 195 lb uplift at joint 2 and 195 lb uplift at joint 6. Continued on page 2

Trues Closion (Indinsor Plantas Piz No. 3-1868 1-100 Chastel Bay Blord Boynton Beach, FL 35-15

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT	
L257001	T01	HIP	1	1	J189897	'6
					Job Reference (optional)	

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#### NOTES

7) Girder carries hip end with 3-0-0 end setback.

8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

# LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

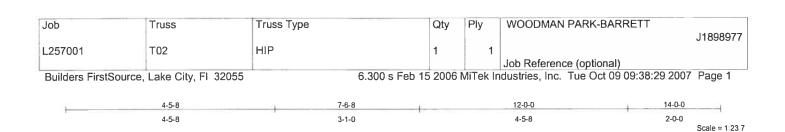
Vert: 1-3=-54, 3-5=-64(F=-10), 5-7=-54, 2-9=-10, 8-9=-12(F=-2), 6-8=-10

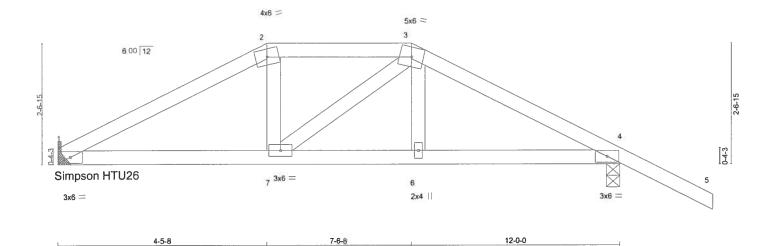
Concentrated Loads (lb)

Vert: 9=-48(F) 8=-48(F)

Julius Les Truss Coston Endinser Florida His No. 3-1868 1186 Crastal Bay Blyd







	4-5-8			,	3-1-0			4-0	-0			
LOADIN	IG (psf)	SPACING	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	0.02	1-7	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.16	Vert(TL)	-0.03	1-7	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.04	Horz(TL)	0.01	4	n/a	n/a		
BCDL	5.0	Code FBC2004/TF	PI2002	(Mat	rix)	9					Weight: 52 lb	

#### **LUMBER**

TOP CHORD 2 X 4 SYP No.2 BOT CHORD 2 X 4 SYP No.2 WEBS 2 X 4 SYP No.3

# BRACING

TOP CHORD

Structural wood sheathing directly applied or

6-0-0 oc purlins.

**BOT CHORD** 

Rigid ceiling directly applied or 10-0-0 oc

bracing.

**REACTIONS** (lb/size) 1=364/Mechanical or 0-3-8, 4=501/0-3-8

Max Horz 1=-75(load case 7)

Max Uplift 1=-72(load case 6), 4=-174(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-580/344, 2-3=-470/361, 3-4=-553/295, 4-5=0/47

BOT CHORD 1-7=-156/468, 6-7=-103/435, 4-6=-100/436

WEBS 2-7=-4/110, 3-7=-64/101, 3-6=0/105

# **JOINT STRESS INDEX**

1 = 0.39, 2 = 0.40, 3 = 0.17, 4 = 0.31, 6 = 0.07 and 7 = 0.07

#### NOTES

1) Unbalanced roof live loads have been considered for this design.

- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi

Continued on page 2

Truss Clasion Engineer Plottos PE No. 3-1805 1-100 Chastal Bay Blow Goynton Geson, FL 55-155





Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT	
L257001	T02	HIP	1	1	J1898	3977
					Job Reference (optional)	

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#### **NOTES**

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 72 lb uplift at joint 1 and 174 lb uplift at joint 4.

LOAD CASE(S) Standard



Job Truss Truss Type Qty Ply WOODMAN PARK-BARRETT J1898978 L257001 T03 COMMON 2 1 Job Reference (optional) Builders FirstSource, Lake City, FI 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Tue Oct 09 09:38:30 2007 Page 1 6-0-0 12-0-0 14-0-0 6-0-0 6-0-0 2-0-0 Scale = 1 23 3 4x6 = 6 00 12 143 Simpson HTU26 5 3x6 = 2x4 3x6 = 6-0-0 12-0-0 **GRIP** LOADING (psf) **SPACING** 2-0-0 CSI **DEFL** I/defl L/d **PLATES** in (loc) TCLL 20.0 Plates Increase 1.25 TC 0.29 Vert(LL) 0.05 1-5 >999 360 MT20 244/190 Lumber Increase 0.21 240 TCDL 7.0 1.25 BC Vert(TL) -0.061-5 >999 10.0 **BCLL** \* Rep Stress Incr YES **WB** 0.07 0.01 3 n/a Horz(TL) n/a **BCDL** 5.0 Code FBC2004/TPI2002 (Matrix) Weight: 46 lb **LUMBER BRACING** TOP CHORD 2 X 4 SYP No.2 TOP CHORD Structural wood sheathing directly applied or BOT CHORD 2 X 4 SYP No.2 6-0-0 oc purlins.

**BOT CHORD** 

bracing.

REACTIONS (lb/size) 1=364/Mechanical, 3=501/0-3-8

Max Horz 1=-84(load case 7)

Max Uplift 1=-80(load case 6), 3=-182(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD

1-2=-533/306, 2-3=-538/314, 3-4=0/47

BOT CHORD

1-5=-104/416, 3-5=-104/416

**WEBS** 

**WEBS** 

2-5=0/203

2 X 4 SYP No.3

### **JOINT STRESS INDEX**

1 = 0.62, 2 = 0.75, 3 = 0.62 and 5 = 0.14

# **NOTES**

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 80 lb uplift at joint 1 and 182 lb uplift at joint 3. Continued on page 2

Julius Lee Truss Coston Endinsor Planda FE No. 3-1898 1 106 Chestal May film Boynton beson, FL 56456

Rigid ceiling directly applied or 10-0-0 oc

October 9,2007

Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE

This design is based only upon the parameters shown for an individual building component that is installed and loaded vertically and fabricated with MiTek connectors Applicability of design parameters and proper incorporation of component into the overall building structure, including all temporary and permanent bracing, is the responsibility of building designer and / or contractor per ANSI / TPI 1 as referenced by the building code. For general guidance regarding storage, delivery, erection and bracing, consult BCSI-1 or HIB-91 Handling Installing and Bracing Recommendation available from the Wood Truss Council of America, 1 WTCA Center, 8300 Enterprise Lane, Madison, WI 53719 or the Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719



Í	Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT	
	L257001	T03	COMMON	2	1	J18989	78
	L237 00 1	100	COMMON	_	'	Job Reference (optional)	

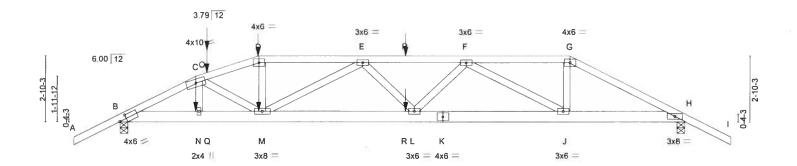
6.300 s Feb 15 2006 MiTek Industries, Inc. Tue Oct 09 09:38:30 2007 Page 2

LOAD CASE(S) Standard











LOADIN	G (psf)	SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.ó	Plates Increase	1.25	тс	0.45	Vert(LL)	-0.18	L-M	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	ВС	0.52	Vert(TL)	-0.34	L-M	>859	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.74	Horz(TL)	0.07	Н	n/a	n/a		
BCDL	5.0	Code FBC2004/TF	212002	(Mat	rix)	, ,					Weight: 138 lb	

LUMBER		BRACING	
TOP CHORD	2 X 4 SYP No.2	TOP CHORD	Structural wood sheathing directly applied or
BOT CHORD	2 X 6 SYP No.1D	9	2-10-7 oc purlins.
WEBS	2 X 4 SYP No.3	BOT CHORD	Rigid ceiling directly applied or 8-3-13 oc bracing.

REACTIONS (lb/size) B=1605/0-4-0, H=1350/0-4-0

Max Horz B=68(load case 5)

Max Uplift B=-424(load case 5), H=-344(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD A-B=0/51, B-C=-2873/703, C-O=-3151/823, D-O=-3092/822, D-E=-3008/805,

E-P=-3927/1051, F-P=-3927/1051, F-G=-2124/569, G-H=-2392/603, H-I=0/51

**BOT CHORD** B-N=-601/2513, N-Q=-598/2504, M-Q=-598/2504, M-R=-1008/3943, L-R=-1008/3943,

K-L=-885/3491, J-K=-885/3491, H-J=-483/2076

**WEBS** C-N=-98/71, C-M=-179/590, D-M=-91/477, E-M=-1131/319, E-L=-41/94, F-L=-149/664,

F-J=-1624/484, G-J=-183/841

#### **JOINT STRESS INDEX**

DI-4- Off--1- (V. V.)

B = 0.87, C = 0.75, D = 0.72, E = 0.36, F = 0.54, G = 0.46, H = 0.77, J = 0.55, K = 0.89, L = 0.41, M = 0.57 and N = 0.34

# **NOTES**

1) Unbalanced roof live loads have been considered for this design.

2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS; 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.

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5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi

🛕 Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT	
L257001	T04	SPECIAL	1	1	J18989	79
L237001	104	OF EGIAL	1	'	Job Reference (optional)	

Builders FirstSource, 701 S. Kings Hwy, Fort Pierce FL;

6.300 s Apr 19 2006 MiTek Industries, Inc. Tue Oct 09 12:04:08 2007 Page 2

#### **NOTES**

- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 424 lb uplift at joint B and 344 lb uplift at joint H.
- 7) Girder carries tie-in span(s): 5-0-0 from 6-0-2 to 12-4-8
- 8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

# LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

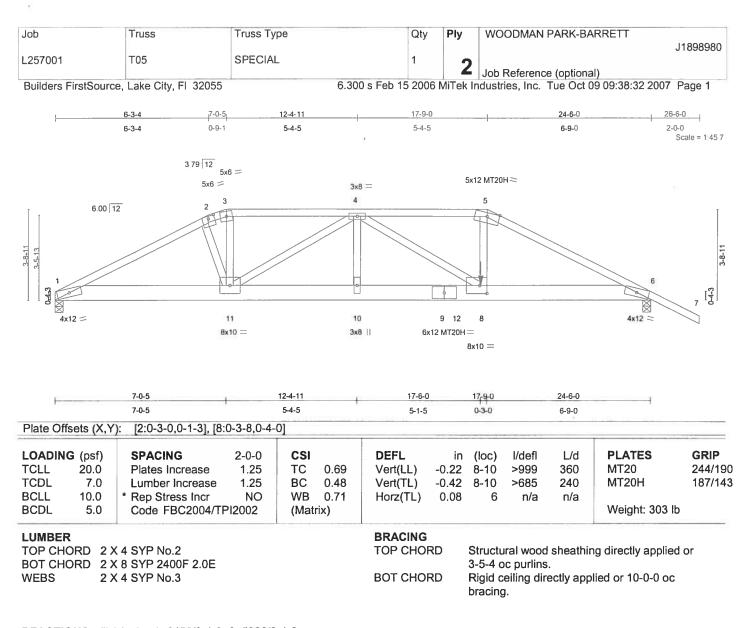
Vert: A-C=-54, C-D=-54, D-P=-106(F=-52), G-P=-54, G-I=-54, B-M=-10, M-R=-17(F=-7), H-R=-10

Concentrated Loads (lb)

Vert: C=-23(F) D=-122(F) N=-11(F) M=-27(F) O=-73(F) P=-129(F) Q=-19(F) R=-396(F)

Julius Les Truss Design Endinser Plonda Fix No. 3-1868 1406 Chastel May Alva Kovnton Gesen, FL 25436





**REACTIONS** (lb/size) 1=6456/0-4-0, 6=5066/0-4-0

Max Horz 1=-95(load case 6)

Max Uplift 1=-1710(load case 5), 6=-1386(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-10921/2910, 2-3=-10664/2881, 3-4=-10277/2778, 4-5=-9649/2623,

5-6=-10638/2843, 6-7=0/54

BOT CHORD 1-11=-2574/9741, 10-11=-3209/12115, 9-10=-3209/12115, 9-12=-3209/12115,

8-12=-3209/12115, 6-8=-2478/9454

WEBS 3-11=-891/3107, 4-11=-2248/634, 4-10=-646/2464, 4-8=-3007/863, 5-8=-1159/4396

, 2-11=-450/1608

# **JOINT STRESS INDEX**

1 = 0.78, 2 = 0.96, 3 = 0.70, 4 = 0.69, 5 = 0.96, 6 = 0.77, 8 = 0.45, 9 = 0.84, 10 = 0.39 and 11 = 0.30

Julius Les Trues Cosign Engineer Florida PE No. 34899 1466 Cossell By Flyd Boynton Besch, FL 20455

October 9,2007

Continued on page 2



Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT	
L257001	T05	SPECIAL	1		J18	98980
L237001	103	SI EGIAL	'	2	Job Reference (optional)	

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#### **NOTES**

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:

Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.

Bottom chords connected as follows: 2 X 8 - 2 rows at 0-9-0 oc.

Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc, Except member 8-5 2 X 4 - 1 row at 0-6-0 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 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS; 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) All plates are MT20 plates unless otherwise indicated.
- 8) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1710 lb uplift at joint 1 and 1386 lb uplift at joint 6.
- 10) Girder carries tie-in span(s): 31-8-4 from 0-0-0 to 16-6-0

#### LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-2=-54, 2-3=-54, 3-5=-54, 5-7=-54, 1-12=-480(F=-470), 6-12=-10

Concentrated Loads (lb) Vert: 8=-2187(F)

> Julius Lee Truse Closion Endineer Plonida Miz No. 3-1888 1400 Chastal Bay Sten Bounton Masser, L. 2040a

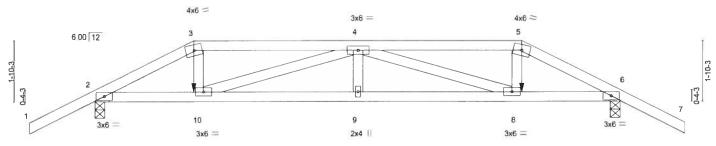


Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT
					J1898981
L257001	T06	HIP	1	1	
					Job Reference (optional)
Builders FirstSc	ource, Lake City, FI	32055 6.	300 s Feb 15 2006 I	MiTek Ir	ndustries, Inc. Tue Oct 09 09:38:33 2007 Page 1

8-0-0



13-0-0



		3-0-0		8-0-0			13-0-0			16-0-0	0	
		3-0-0		5-0-0			5-0-0			3-0-0	,	
LOADIN	IG (psf)	SPACING	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.27	Vert(LL)	-0.06	9	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	ВС	0.36	Vert(TL)	-0.12	9	>999	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.30	Horz(TL)	0.04	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TF	PI2002	(Mat	rix)						Weight: 75 lb	

LUMBER		BRACING	
TOP CHORD	2 X 4 SYP No.2	TOP CHORD	Structural wood sheathing directly applied or
BOT CHORD	2 X 4 SYP No.2		5-11-1 oc purlins.
WEBS	2 X 4 SYP No.3	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc
			bracing.

**REACTIONS** (lb/size) 2=723/0-3-8, 6=723/0-3-8

3-0-0

Max Horz 2=-54(load case 6)

Max Uplift 2=-215(load case 5), 6=-215(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/47, 2-3=-1085/289, 3-4=-950/274, 4-5=-950/274, 5-6=-1085/289, 6-7=0/47

**BOT CHORD** 2-10=-227/925, 9-10=-396/1559, 8-9=-396/1559, 6-8=-219/925

**WEBS** 3-10=-43/284, 4-10=-652/224, 4-9=0/159, 4-8=-652/224, 5-8=-43/284

# **JOINT STRESS INDEX**

2 = 0.62, 3 = 0.37, 4 = 0.29, 5 = 0.37, 6 = 0.62, 8 = 0.18, 9 = 0.11 and 10 = 0.18

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS; 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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 215 Ib uplift at joint 2 and 215 lb uplift at joint 6. Continued on page 2

October 9,2007

🛦 Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE

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18-0-0

16-0-0

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT
L257001	T06	HIP	1	1	J1898981
237001	100	T IN			Job Reference (optional)

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#### **NOTES**

7) Girder carries hip end with 3-0-0 end setback.

8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

# LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-3=-54, 3-5=-64(F=-10), 5-7=-54, 2-10=-10, 8-10=-12(F=-2), 6-8=-10

Concentrated Loads (lb)

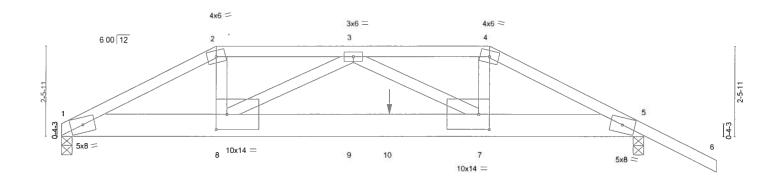
Vert: 10=-48(F) 8=-48(F)

Julius Les Truss Casson Engineer Plonda Pil No. 3-1868 1406 Crastal May Mivel Scotton Mason & Joseph









_	4-3-0	9-0-0	11-9-0	16-0-0	
ı	4-3-0	4-9-0	2-9-0	4-3-0	1
Diote	Offeets (V V): IT:0 2 9 0 5	01 10:0 2 0 0 5 01			

Plate Of	fsets (X,Y	): [7:0-3-8,0-5-0], [8:	0-3-8,0-5-	0]		*					V	
LOADIN	IG (psf)	SPACING	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.25	Vert(LL)	-0.15	7-8	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.55	Vert(TL)	-0.30	7-8	>636	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.53	Horz(TL)	0.03	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TF	PI2002	(Mat	rix)						Weight: 189 lb	
TCLL TCDL BCLL	20.0 7.0 10.0	Plates Increase Lumber Increase * Rep Stress Incr	1.25 1.25 NO	TC BC WB	0.55 0.53	Vert(LL) Vert(TL)	-0.15 -0.30	7-8	>999 >636	360 240	MT20	244/19

LUMBER

TOP CHORD 2 X 4 SYP No.2

BOT CHORD 2 X 8 SYP 2400F 2.0E

WEBS

2 X 4 SYP No.3

# BRACING

TOP CHORD

Structural wood sheathing directly applied or

4-7-12 oc purlins.

**BOT CHORD** 

Rigid ceiling directly applied or 10-0-0 oc

bracing.

**REACTIONS** (lb/size) 1=4220/0-3-8, 5=2783/0-3-8

Max Horz 1=-80(load case 6)

Max Uplift 1=-1120(load case 4), 5=-782(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-7936/2114, 2-3=-7309/1976, 3-4=-6013/1623, 4-5=-6549/1737, 5-6=0/54

BOT CHORD 1-8=-1860/7071, 8-9=-1808/6849, 9-10=-1808/6849, 7-10=-1808/6849,

5-7=-1507/5817

WEBS 2-8=-879/3311, 3-8=-181/548, 3-7=-1005/331, 4-7=-710/2735

## **JOINT STRESS INDEX**

1 = 0.80, 2 = 0.87, 3 = 0.19, 4 = 0.87, 5 = 0.80, 7 = 0.32 and 8 = 0.32

#### NOTES

 2-ply truss to be connected together with 10d (0.131"x3") nails as follows: Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc. Bottom chords connected as follows: 2 X 8 - 2 rows at 0-7-0 oc. Webs connected as follows: 2 X 4 - 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 Connected (F) age(B), unless otherwise indicated.

Julium Less Trues Cession Chomes Florida Fiz No. 3-1865 1400 Cressis May Mivri Boymon Sesson, Fiz Sesson

October 9,2007

🛕 Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT	
L257001	T07	HIP	1			J1898982
				2	Job Reference (optional)	

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#### **NOTES**

- 3) Unbalanced roof live loads have been considered for this design.
- 4) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS; 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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1120 lb uplift at joint 1 and 782 lb uplift at joint 5.
- 9) Girder carries tie-in span(s): 31-8-4 from 0-0-0 to 8-0-0

# LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

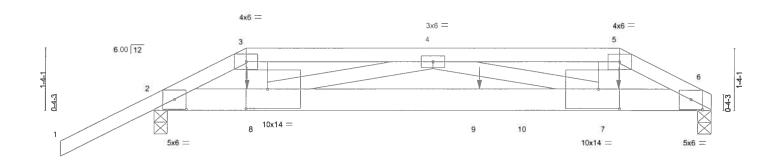
Vert: 1-2=-54, 2-4=-54, 4-6=-54, 1-9=-480(F=-470), 5-9=-10

Concentrated Loads (lb) Vert: 10=-2187(F)

> Julius Les Tares Cesion Endiness Plonida Pie No. 2-1800 1 100 Cesatel Pay Sive Sovino Seson E. 25410



Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BA	ARRETT	14000000
L257001	Т08	HIP	1	2			J1898983
				Z	Job Reference (optiona	al)	
Builders FirstSo	ource, Lake City, FI 3205	55 6.300 s	Feb 15 2006 N	/liTek lr	ndustries, Inc. Tue Oct (	09 09:38:34 2007	Page 1
-2-0-	0 1-11-12	6-0-0			10-0-4	12-0-0	
2-0-	D 1-11-12	4-0-4	,		4-0-4	1-11-12	



		1-11-12	J-U-4		5-0-0				3-0-0		0-0-4 1-11-12	
Plate Of	ffsets (X,Y	'): [2:0-3-0,0-2-9], [6	:0-3-0,0-2-	9], [7:0-	5-8,0-5-0	], [8:0-5-8,0-	5-0]					
LOADIN	IG (psf)	SPACING	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.34	Vert(LL)	-0.19	7-8	>754	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.99	Vert(TL)	-0.36	7-8	>391	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.19	Horz(TL)	0.03	6	n/a	n/a		
BCDL	5.0	Code FBC2004/T	PI2002	(Mat	rix)	' '					Weight: 128	3 lb

7-0-0

500

**LUMBER** TOP CHORD 2 X 4 SYP No.2 BOT CHORD 2 X 6 SYP No.1D

2 X 6 SYP No.1D \*Except\* **WEBS** 

4-8 2 X 4 SYP No.3, 4-7 2 X 4 SYP No.3

1-11-12

**BRACING** 

TOP CHORD Structural wood sheathing directly applied or

4-9-8 oc purlins.

**BOT CHORD** Rigid ceiling directly applied or 10-0-0 oc

10-0-0

200

10-0-4

12-0-0

bracing.

REACTIONS (lb/size) 6=3060/0-3-8, 2=1634/0-3-8

Max Horz 2=64(load case 5)

Max Uplift 6=-824(load case 3), 2=-467(load case 5) Max Grav 6=3062(load case 10), 2=1634(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/51, 2-3=-4332/1152, 3-4=-4270/1140, 4-5=-7030/1899, 5-6=-7133/1916

**BOT CHORD** 2-8=-1011/3795, 8-9=-1703/6157, 9-10=-1703/6157, 7-10=-1703/6157,

6-7=-1668/6234

**WEBS** 3-8=-509/2030, 4-8=-1958/622, 4-7=-313/913, 5-7=-901/3410

# **JOINT STRESS INDEX**

2 = 0.82, 3 = 0.76, 4 = 0.39, 5 = 0.76, 6 = 0.82, 7 = 0.26 and 8 = 0.26

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows: Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.

Bottom chords connected as follows: 2 X 6 - 2 rows at 0-7-0 oc.

Webs connected as follows: 2 X 6 - 2 rows at 0-9-0 oc, 2 X 4 - 1 row at 0-9-0 oc.

Continued on page 2

October 9,2007

Scale: 1/2"=1"

Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT	
1.057004	T00	NID	4		J189	98983
L257001	T08	HIP		2	Job Reference (optional)	

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#### **NOTES**

- 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 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS; 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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 824 lb uplift at joint 6 and 467 lb uplift at joint 2.
- 9) Girder carries tie-in span(s): 31-8-4 from 8-0-0 to 11-8-0
- 10) Girder carries hip end with 2-0-0 end setback.

# LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

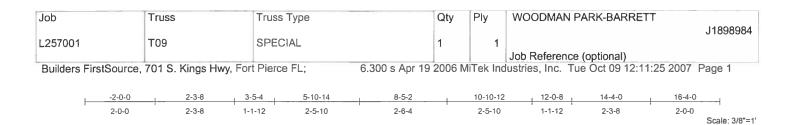
Vert: 1-3=-54, 3-5=-50(F=4), 5-6=-54, 2-8=-10, 8-10=-9(F=1), 7-10=-480(F=-470), 6-7=-480(F=-470)

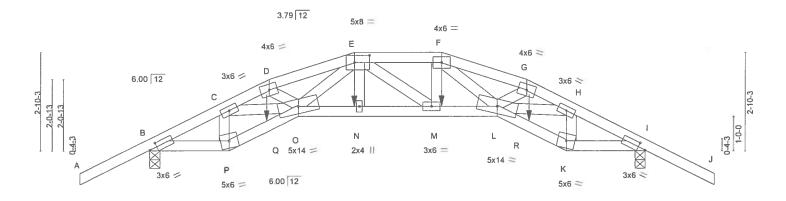
Concentrated Loads (lb)

Vert: 8=-11(F) 7=-11(F) 9=-2032(F)

Julius Less Truss Cossian Engineer Florids FE No. 34885 1486 Crastal May Mive Boymon Wesch, FL 56455







2-3-8	4-3-8	5-10-14	8-5-2	10-0-8	12-0-8	14-4-0	
2-3-8	2-0-0	1-7-6	2-6-4	1-7-6	2-0-0	2-3-8	- 1:

[B:0-2-10,0-1-8], [C:0-0-0,0-0-0], [D:0-0-0,0-0-0], [E:0-5-4,0-2-8], [F:0-0-0,0-0-0], [G:0-0-0,0-0-0], [H:0-0-0,0-0-0], Plate Offsets (X,Y): II:0-2-10.0-1-81

		11.0 2 1010 1 01										
LOADIN	G (psf)	SPACING	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.27	Vert(LL)	-0.10	Ν	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.59	Vert(TL)	-0.20	M-N	>835	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.39	Horz(TL)	0.12	- 1	n/a	n/a		
BCDL	5.0	Code FBC2004/TF	PI2002	(Matı	ix)						Weight: 77 lb	

**LUMBER** 

TOP CHORD 2 X 4 SYP No.2

2 X 4 SYP No.2 BOT CHORD

2 X 4 SYP No.3 **WEBS** 

**BRACING** 

TOP CHORD

Structural wood sheathing directly applied or 3-5-1

oc purlins.

**BOT CHORD** 

Rigid ceiling directly applied or 7-4-9 oc bracing.

REACTIONS (lb/size) B=1076/0-3-8, I=1076/0-3-8

Max Horz B=66(load case 5)

Max Uplift B=-395(load case 5), I=-395(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

A-B=0/47, B-C=-1758/537, C-D=-2949/911, D-E=-3096/968, E-F=-2551/838, **TOP CHORD** 

F-G=-3095/964, G-H=-2948/907, H-I=-1758/537, I-J=0/47

**BOT CHORD** B-P=-436/1493, P-Q=-448/1539, O-Q=-468/1601, N-O=-738/2521, M-N=-745/2547,

L-M=-738/2524, L-R=-464/1601, K-R=-444/1539, I-K=-432/1493

**WEBS** C-P=-614/198, C-O=-406/1204, D-O=-112/454, E-O=-165/571, E-N=-76/282, E-M=-79/87,

F-M=-86/326, F-L=-151/567, G-L=-111/455, H-L=-403/1203, H-K=-614/186

# **JOINT STRESS INDEX**

B = 0.78, C = 0.59, D = 0.81, E = 0.66, F = 0.49, G = 0.81, H = 0.59, I = 0.78, K = 0.40, L = 0.64, M = 0.21, N = 0.21, O = 0.64 and P = 0.40

# **NOTES**

1) Unbalanced roof live loads have been considered for this design.

2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS; Lumber DOL=1.60 plate grip DOL=1.60.

3) Provide adequate drainage to prevent water ponding.

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Continued on page 2

🛕 Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT	
						J1898984
L257001	T09	SPECIAL	1	1		
					Job Reference (optional)	

Builders FirstSource, 701 S. Kings Hwy, Fort Pierce FL;

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#### NOTES

- 4) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 395 lb uplift at joint B and 395 lb uplift at joint I.
- 7) Girder carries hip end with 3-5-4 right side setback, 3-5-4 left side setback, and 5-0-0 end setback.
- 8) Girder carries hip end with 5-10-14 right side setback, 5-10-14 left side setback, and 5-0-0 end setback.
- 9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

# LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: A-D=-54, D-E=-91(F=-37), E-F=-91(F=-37), F-G=-91(F=-37), G-J=-54, B-P=-10, P-Q=-10, O-Q=-17(F=-7), L-O=-17(F=-7), L-D=-47(F=-7), K-D=-10, L-O=-17(F=-7), L-O=-17(F=-7

L-R=-17(F=-7), K-R=-10, I-K=-10

Concentrated Loads (lb)

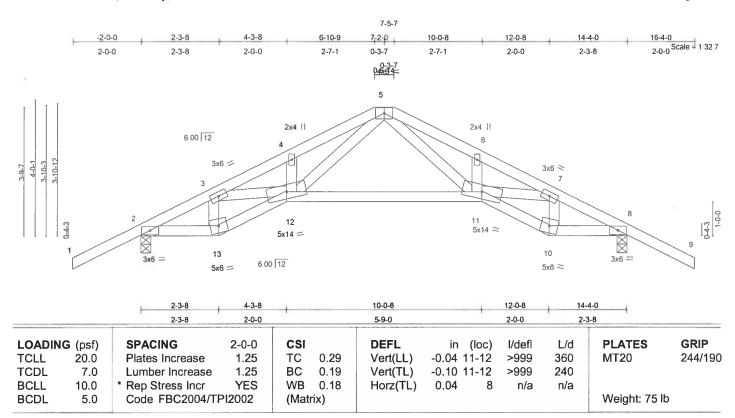
Vert: N=-221(F) M=-221(F) Q=-128(F) R=-128(F)

Julius Les Truss Coston Endinsor Plonida Fm No. 3-1968 1-106 Enastal Bay Blvd Boviton Boson, FL 25-156



	Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT
	1.057004	T40	CDECIAL		,	J1898985
	L257001	T10	SPECIAL	1	1	Joh Deference (entional)
-						Job Reference (optional)

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LUMBER

TOP CHORD 2 X 4 SYP No.2

BOT CHORD 2 X 4 SYP No.2

WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD

Structural wood sheathing directly applied or

5-11-6 oc purlins.

BOT CHORD

Rigid ceiling directly applied or 10-0-0 oc

bracing.

**REACTIONS** (lb/size) 2=565/0-3-8, 8=565/0-3-8

Max Horz 2=-78(load case 7)

Max Uplift 2=-196(load case 6), 8=-196(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/47, 2-3=-697/295, 3-4=-1102/465, 4-5=-1092/540, 5-6=-1092/540,

6-7=-1102/465, 7-8=-697/295, 8-9=0/47

BOT CHORD 2-13=-123/574, 12-13=-122/602, 11-12=-73/566, 10-11=-122/602, 8-10=-123/574

WEBS 3-13=-277/122, 3-12=-140/427, 4-12=-121/143, 5-12=-241/551, 5-11=-241/551,

6-11=-121/143, 7-11=-140/427, 7-10=-277/122

### **JOINT STRESS INDEX**

2 = 0.56, 3 = 0.20, 4 = 0.07, 5 = 0.36, 6 = 0.07, 7 = 0.20, 8 = 0.56, 10 = 0.17, 11 = 0.19, 12 = 0.19 and 13 = 0.17

# **NOTES**

1) Unbalanced roof live loads have been considered for this design.

2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.

3) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi Continued on page 2

Julius Lee Truse Ceelon Chomeer Plotide PE No. 3-1886 1406 Cheete Pey Ston Boynion Beach, FL börist

October 9,2007

Marning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT
L257001	T10	SPECIAL	1	1	J1898985
L257001	110	SFECIAL	'	<b>'</b>	Job Reference (optional)

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#### NOTES

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 196 lb uplift at joint 2 and 196 lb uplift at joint 8.

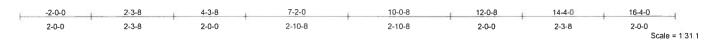
LOAD CASE(S) Standard

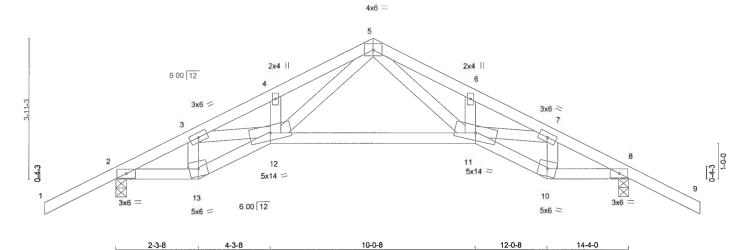
Julius Less Trues Coston Chomoer Plantas PE No. 34968 1400 Sassis Sey Sivi Bovnton Beson, HL 20435



Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT	
L257001	T11	SPECIAL	1	1	J18989(	36
L237001		OF EGIAL	•	'	Job Reference (optional)	

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		2-3-8	2-0-0			5-9-0		2-0-0	2-3-0	5	
LOADIN	IG (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)	-0.04 11-12	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.19	Vert(TL)	-0.10 11-12	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.18	Horz(TL)	0.04 8	n/a	n/a		
BCDL	5.0	Code FBC2004/TI	PI2002	(Mat	rix)					Weight: 75 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.2 BOT CHORD 2 X 4 SYP No.2

WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD

Structural wood sheathing directly applied or

5-11-6 oc purlins.

**BOT CHORD** 

Rigid ceiling directly applied or 10-0-0 oc

bracing.

REACTIONS (lb/size) 2=565/0-3-8, 8=565/0-3-8

Max Horz 2=-78(load case 7)

Max Uplift 2=-196(load case 6), 8=-196(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/47, 2-3=-697/295, 3-4=-1102/465, 4-5=-1092/540, 5-6=-1092/540,

6-7=-1102/465, 7-8=-697/295, 8-9=0/47

BOT CHORD 2-13=-123/574, 12-13=-122/602, 11-12=-73/566, 10-11=-122/602, 8-10=-123/574

WEBS 3-13=-277/122, 3-12=-140/427, 4-12=-121/143, 5-12=-241/551, 5-11=-241/551,

6-11=-121/143, 7-11=-140/427, 7-10=-277/122

### **JOINT STRESS INDEX**

2 = 0.56, 3 = 0.20, 4 = 0.07, 5 = 0.41, 6 = 0.07, 7 = 0.20, 8 = 0.56, 10 = 0.17, 11 = 0.19, 12 = 0.19 and 13 = 0.17

#### NOTES

1) Unbalanced roof live loads have been considered for this design.

- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) All bearings are assumed to be  $\,$  SYP No.2  $\,$  crushing capacity of 565.00 psi Continued on page 2  $\,$

Julius Lee Truse Coston Engineer Pichas PR No. 3-1869 1400 Chastel Rey Alva Coynton Weach, 4L Schass

October 9,2007

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT	
L257001	T11	SPECIAL	1	1		J1898986
					Job Reference (optional)	

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# **NOTES**

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 196 lb uplift at joint 2 and 196 lb uplift at joint 8.

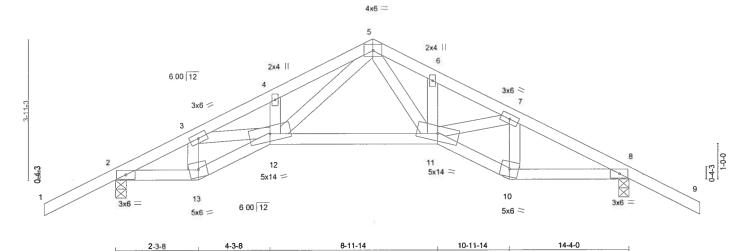
LOAD CASE(S) Standard



Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT	
	T40	oproint				J1898987
L257001	112	SPECIAL	1	1	Inh Deference (antional)	
					Job Reference (optional)	

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		2-3-8	2-0-0		4-8-6	5	2-0-0		3-4-2		
LOADIN	IG (psf)	SPACING	2-0-0	CSI		DEFL	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	-0.04 11-12	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.19	Vert(TL)	-0.07 11-12	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.17	Horz(TL)	0.04	n/a	n/a		
BCDL	5.0	Code FBC2004/T	PI2002	(Mat	rix)					Weight: 76 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.2

BOT CHORD 2 X 4 SYP No.2 WEBS 2 X 4 SYP No.3 BRACING

TOP CHORD Struc

Structural wood sheathing directly applied or

5-11-13 oc purlins.

**BOT CHORD** 

Rigid ceiling directly applied or 10-0-0 oc

bracing.

**REACTIONS** (lb/size) 2=565/0-3-8, 8=565/0-3-8

Max Horz 2=-78(load case 7)

Max Uplift 2=-196(load case 6), 8=-196(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/47, 2-3=-701/294, 3-4=-1091/467, 4-5=-1085/544, 5-6=-858/458,

6-7=-890/409, 7-8=-711/335, 8-9=0/47

BOT CHORD 2-13=-122/576, 12-13=-121/601, 11-12=-68/566, 10-11=-163/627, 8-10=-152/584

WEBS 3-13=-267/121, 3-12=-142/414, 4-12=-122/150, 5-12=-250/538, 5-11=-177/372,

6-11=-84/95, 7-11=-24/215, 7-10=-265/128

# JOINT STRESS INDEX

2 = 0.55, 3 = 0.20, 4 = 0.08, 5 = 0.40, 6 = 0.05, 7 = 0.11, 8 = 0.48, 10 = 0.16, 11 = 0.15, 12 = 0.18 and 13 = 0.16

# **NOTES**

1) Unbalanced roof live loads have been considered for this design.

2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.

3) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi Continued on page 2

Julium Less Truss Coston Endinser Plotton PE No. 34888 1170 Chastel Bay Blyd Boynton Wesch, FL 20426

October 9,2007

Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT	
L257001	T12	SPECIAL	1	1		J1898987
L257001	112	SPECIAL		'	Job Reference (optional)	_

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# **NOTES**

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 196 lb uplift at joint 2 and 196 lb uplift at joint 8.

LOAD CASE(S) Standard



ob	Truss	Truss Typ	e	Qty	Ply	WOODMAN	PARK-BAR	RETT	J1898988
257001	T13	SPECIAL		1	2	Job Reference	ce (optional)	)	
Builders FirstSourc	e, Lake City, FI 3205	5	6.300	s Feb 15 200	6 MiTek In	dustries, Inc.	Tue Oct 09	09:38:40 2007	Page 1
-2-0-0	2-3-8	4-3-8	7-0-12	7-2-0	8-11-14	10-11-14		14-4-0	
2-0-0	2-3-8	2-0-0	2-9-4	0-1-4 5x8 =	1-9-14	2-0-0		3-4-2	Scale = 1 28 0
			2x4	5	2x4	. II 6			
	6.00 12 3xi		4				3x6 ≈ 7		
	3	*	11	13	10	14 =			8 0-0
l m			8x14 =		8x	14 =	9		8 1-0-0-1
[F]	<b>A</b>						9	14	12.5
1	3x8 = 12 5x8	6 00	12				5x8 =		ix6 =
1	3-0 -	6 00 F	7-0-12		3-10-2 8-1 <sub> </sub> 1	14 10-11-14		0-12 14-4	
1	3x8 = 5x1	3 =			3-10-2 8-1 <sub>1</sub> 1 1-9-6 0-1-	1	13-		<del>-0</del>
Plate Offsets (X,Y	3x8 = 5x1	4-3-8	7-0-12			1	13-	0-12 14-4 0-14 1-3	4
1	3x8 = 5x1	4-3-8 2-0-0 2-0-0 1.25	7-0-12			loc) I/defl -11 >999	13-	0-12 14-4	<del>-0</del>

TOP CHORD 2 X 4 SYP No.2

BOT CHORD 2 X 6 SYP No.1D

WEBS 2 X 4 SYP No.3 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.

**REACTIONS** (lb/size) 8=3770/0-3-8, 2=2302/0-3-8

Max Horz 2=95(load case 5)

Max Uplift 8=-1017(load case 6), 2=-675(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/51, 2-3=-4414/1133, 3-4=-8061/2094, 4-5=-7906/2100, 5-6=-8538/2304,

6-7=-8756/2327, 7-8=-6597/1775

BOT CHORD 2-12=-979/3910, 11-12=-1009/4050, 11-13=-1208/4741, 10-13=-1208/4741,

9-10=-1711/6452, 9-14=-1557/5873, 8-14=-1556/5868

**WEBS** 3-12=-1893/535, 3-11=-942/3486, 4-11=-51/315, 6-10=-97/426, 7-10=-535/2101,

7-9=-1715/458, 5-11=-870/3258, 5-10=-1496/5461

### **JOINT STRESS INDEX**

2 = 0.67, 3 = 0.82, 4 = 0.11, 5 = 0.78, 6 = 0.14, 7 = 0.51, 8 = 0.75, 9 = 0.81, 10 = 0.56, 11 = 0.46 and 12 = 0.58

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:

Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.

Bottom chords connected as follows: 2 X 6 - 2 rows at 0-6-0 oc.

Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.

Continued on page 2

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT	
L257001	T13	SPECIAL	1		J1898	3988
2237001	113	or Ediae	'	2	Job Reference (optional)	

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### NOTES

- 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 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS; Lumber DOL=1.60 plate grip DOL=1.60.
- 5) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1017 lb uplift at joint 8 and 675 lb uplift at joint 2.

### LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-5=-54, 5-8=-54, 2-12=-10, 11-12=-10, 10-11=-10, 9-10=-10, 8-9=-10

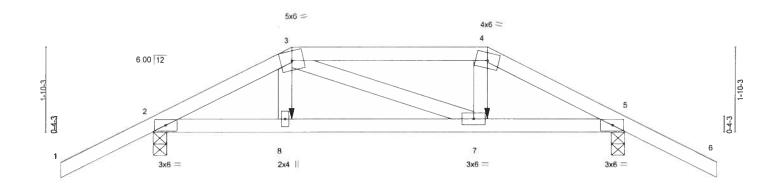
Concentrated Loads (lb)

Vert: 10=-1005(F) 9=-1005(F) 13=-2042(F) 14=-1005(F)

Julius Les Truss Cesian Endinsor Planda Fe No. 2-18au 1466 Grastal Pay Alva Govinon Gesch, H. 25-456



Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BAF	RRETT	
							J189898
L257001	T14	HIP	1	1			
					Job Reference (optional)		
Builders FirstSo	ource, Lake City, Fl 3	32055	6.300 s Feb 15 2006	MiTek Ir	ndustries, Inc. Tue Oct 09	09:38:41 2007	Page 1
-2-0-	0	3-0-0	7-3-0		10-3-0	12-3-0	
2-0-0	)	3.0.0	4-3-0		3.0.0	2_0_0	1



	3-0-0					4-3-0			3-0-0			
LOADIN	IG (psf)	SPACING	2-0-0	CSI		DEFL	in	(ioc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.27	Vert(LL)	0.02	7-8	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	ВС	0.20	Vert(TL)	-0.03	7-8	>999	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.04	Horz(TL)	0.01	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TF	PI2002	(Mat	rix)						Weight: 48 lb	

7-3-0

**LUMBER** 

**WEBS** 

TOP CHORD 2 X 4 SYP No.2 BOT CHORD 2 X 4 SYP No.2 2 X 4 SYP 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

10-3-0

bracing.

**REACTIONS** (lb/size) 2=508/0-3-8, 5=505/0-3-8

Max Horz 2=-54(load case 6)

3-0-0

Max Uplift 2=-312(load case 5), 5=-311(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

1-2=0/47, 2-3=-620/355, 3-4=-516/329, 4-5=-616/348, 5-6=0/47 **TOP CHORD** 

**BOT CHORD** 2-8=-285/513, 7-8=-277/507, 5-7=-270/509 **WEBS** 3-8=-91/130, 3-7=-49/30, 4-7=-87/130

**JOINT STRESS INDEX** 

2 = 0.53, 3 = 0.16, 4 = 0.26, 5 = 0.51, 7 = 0.08 and 8 = 0.09

1) Unbalanced roof live loads have been considered for this design.

- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS; 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
- 5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 312 Ib uplift at joint 2 and 311 lb uplift at joint 5. Continued on page 2

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Scale 1/2"=1"

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT
1.057004	T14	1,112			J1898989
L257001	114	HIP	1	1	
					Job Reference (optional)

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### **NOTES**

7) Girder carries hip end with 3-0-0 end setback.

8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

### LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-3=-54, 3-4=-64(F=-10), 4-6=-54, 2-8=-10, 7-8=-12(F=-2), 5-7=-10

Concentrated Loads (lb)

Vert: 8=-48(F) 7=-48(F)



Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT
					J1898990
L257001	T15	HIP	1	1	<b></b>
					Job Reference (optional)

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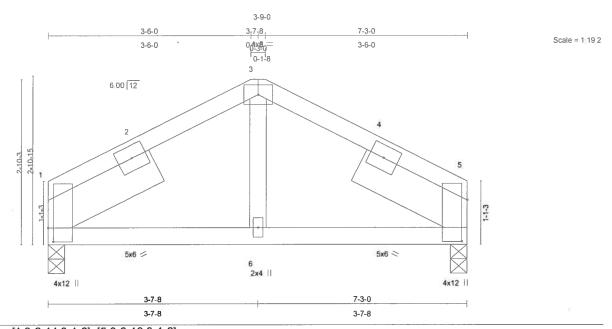


Plate Off	tsets (X,Y	): [1:0-2-14,0-1-2], [	5:0-8-10,0	-1-2]								
LOADIN	G (psf)	SPACING	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.12	Vert(LL)	0.01	1-6	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.07	Vert(TL)	-0.01	1-6	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.03	Horz(TL)	-0.00	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TF	PI2002	(Mat	rix)	, .					Weight: 40 lb	

**LUMBER** 

TOP CHORD 2 X 4 SYP No.2

BOT CHORD 2 X 4 SYP No.2 **WEBS** 2 X 4 SYP No.3

SLIDER Left 2 X 8 SYP No.1D 2-1-15, Right 2 X 8 SYP No.1D 2-1-15 **BRACING** 

TOP CHORD Structural wood sheathing directly applied or

6-0-0 oc purlins.

**BOT CHORD** Rigid ceiling directly applied or 10-0-0 oc

bracing.

**REACTIONS** (lb/size) 1=232/0-3-8, 5=232/0-3-8

Max Horz 1=-33(load case 4)

Max Uplift 1=-139(load case 6), 5=-139(load case 7)

FORCES (Ib) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-266/393, 2-3=-199/414, 3-4=-199/414, 4-5=-264/393

**BOT CHORD** 1-6=-242/178, 5-6=-242/178

3-6=-209/106 **WEBS** 

### JOINT STRESS INDEX

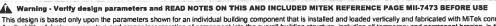
1 = 0.27, 1 = 0.14, 2 = 0.00, 3 = 0.21, 4 = 0.00, 5 = 0.27, 5 = 0.14 and 6 = 0.08

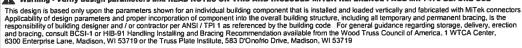
### **NOTES**

1) Unbalanced roof live loads have been considered for this design.

plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.

Continued on page 2







Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT	
L257001	T15	HIP	1	1	J.	1898990
					Job Reference (optional)	

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### **NOTES**

- 3) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 139 lb uplift at joint 1 and 139 lb uplift at joint 5.

LOAD CASE(S) Standard



Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT	
L257001	T16	COMMON	1	1	J	1898991
	. , , ,		L.		Job Reference (optional)	

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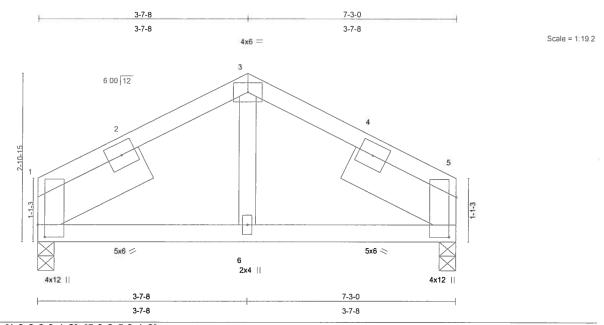


Plate Of	fsets (X, Y	'): [1:0-2-9,0-1-8], [5:	0-8-5,0-1-	8]		-						
LOADIN	IG (psf)	SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	тс	0.12	Vert(LL)	0.01	5-6	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	ВС	0.07	Vert(TL)	-0.01	5-6	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.03	Horz(TL)	-0.00	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TF	212002	(Mat	rix)	, ,					Weight: 40 lb	

**LUMBER** 

TOP CHORD 2 X 4 SYP No.2

BOT CHORD 2 X 4 SYP No.2

2 X 4 SYP No.3 **WEBS** 

SLIDER

Left 2 X 8 SYP No.1D 2-1-15,

Right 2 X 8 SYP No.1D 2-1-15

### **BRACING**

TOP CHORD

Structural wood sheathing directly applied or

6-0-0 oc purlins.

**BOT CHORD** 

Rigid ceiling directly applied or 10-0-0 oc

bracing.

**REACTIONS** (lb/size) 1=232/0-3-8, 5=232/0-3-8

Max Horz 1=-33(load case 4)

Max Uplift 1=-139(load case 6), 5=-139(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-266/393, 2-3=-199/414, 3-4=-199/414, 4-5=-264/393

**BOT CHORD** 1-6=-242/178, 5-6=-242/178

**WEBS** 3-6=-209/106

### JOINT STRESS INDEX

1 = 0.32, 1 = 0.14, 2 = 0.00, 3 = 0.21, 4 = 0.00, 5 = 0.32, 5 = 0.14 and 6 = 0.08

### NOTES

1) Unbalanced roof live loads have been considered for this design.

B; enclosed; MWFRS and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.

Continued on page 2



Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT	
L257001	T16	COMMON	1	1	J	11898991
2237001	110	COMMOTA	<u>'</u>	'	Job Reference (optional)	

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### **NOTES**

- 3) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 139 lb uplift at joint 1 and 139 lb uplift at joint 5.

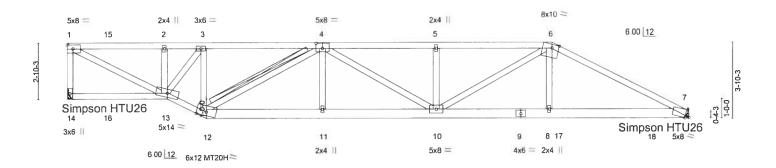
LOAD CASE(S) Standard



Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT	
						J1898992
L257001	T17	SPECIAL	1	1		
					Job Reference (optional)	

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1-	5-1-0	7-1-0	13-0-0	18-9-4	24-8-4	31-8-4	
1	5-1-0	2-0-0	5-11-0	5-9-4	5-11-0	7-0-0	
Plate O	ffsets (X,Y):	[4:0-4-0,0-3-0]	[6:0-4-3,Edge], [7:	0-2-7,Edge]			

Plate Of	isels (A, t	). [4.0-4-0,0-3-0], [0.	0-4-3,⊑ug	ej, [7.0-	2-7,Eugi	<b>5</b> ]						
LOADIN	G (psf)	SPACING	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.88	Vert(LL)	-0.30 1	0-11	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.85	Vert(TL)	-0.58 1	0-11	>655	240	MT20H	187/143
BCLL	10.0	* Rep Stress Incr	NO	WB	0.69	Horz(TL)	0.08	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TF	PI2002	(Mat	rix)						Weight: 183 lb	

**LUMBER BRACING** TOP CHORD 2 X 4 SYP No.2 BOT CHORD 2 X 4 SYP No.2 \*Except\*

9-12 2 X 6 SYP No.1D, 7-9 2 X 6 SYP No.1D

2 X 4 SYP No.3 \*Except\* **WEBS** 

1-13 2 X 4 SYP No.2

**WEBS** 

TOP CHORD Structural wood sheathing directly applied or 2-3-9 oc purlins, except end verticals. **BOT CHORD** 

Rigid ceiling directly applied or 6-4-2 oc

bracing.

T-Brace:

2 X 4 SYP No.3 -

4-12

Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c., with 4in minimum end distance.

Brace must cover 90% of web length.

REACTIONS (lb/size) 14=2042/Mechanical, 7=2032/Mechanical

Max Horz 14=-112(load case 6)

Max Uplift 14=-561(load case 3), 7=-506(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-14=-1968/568, 1-15=-3407/933, 2-15=-3407/933, 2-3=-3407/933, 3-4=-3405/960,

4-5=-4759/1315, 5-6=-4759/1315, 6-7=-3940/1022

**BOT CHORD** 14-16=0/123, 13-16=0/123, 12-13=-980/3733, 11-12=-1259/4827,

10-11=-1259/4826, 9-10=-867/3473, 8-9=-867/3473, 8-17=-866/3455,

17-18=-866/3455, 7-18=-866/3455

**WEBS** 1-13=-1018/3721, 2-13=-238/118, 3-13=-34/71, 3-12=-544/214, 4-12=-1652/442,

4-11=0/279, 4-10=-79/43, 5-10=-673/311, 6-10=-470/1491, 6-8=-40/423

Continued on page 2



Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT	
1.057004	T47	CDECIAL	4	.		J1898992
L257001	117	SPECIAL	1	'	Job Reference (optional)	

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### **JOINT STRESS INDEX**

1 = 0.73, 2 = 0.33, 3 = 0.40, 4 = 0.66, 5 = 0.33, 6 = 0.80, 7 = 0.73, 8 = 0.33, 9 = 0.90, 10 = 0.67, 11 = 0.33, 12 = 0.80, 13 = 0.87 and 14 = 0.43

### **NOTES**

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS; Lumber DOL=1.60 plate grip DOL=1.60.
- 2) Provide adequate drainage to prevent water ponding.
- 3) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) All plates are MT20 plates unless otherwise indicated.
- 5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 561 lb uplift at joint 14 and 506 lb uplift at joint 7.
- 7) Girder carries tie-in span(s): 7-0-0 from 25-0-0 to 29-9-0
- 8) Girder carries hip end with 7-0-0 right side setback, 2-0-0 left side setback, and 7-0-0 end setback.
- 9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

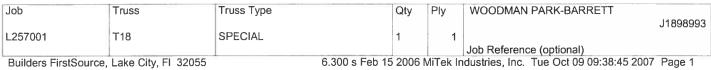
### LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25 Uniform Loads (plf)

Vert: 1-15=-54, 6-15=-118(F=-64), 6-7=-54, 14-16=-10, 13-16=-22(F=-12), 12-13=-22(F=-12), 8-12=-22(F=-12), 8-17=-10, 17-18=-85(F=-75), 7-18=-10

Julius Les Truss Ossida Chdinsor Florida Fis No. 3-1866 1100 Chastel Ray Elvi Boyaton Wesch: 11 25435







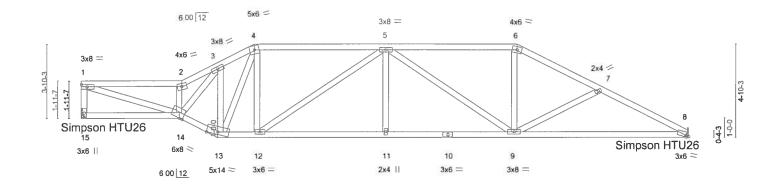




Plate Offsets (X,Y): [8:0-1-9,0-0-7], [14:0-1-11,0-0-1]

LOADIN	IG (psf)	SPACING	2-0-0	CSI		DEFL	in	(loc)	i/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.61	Vert(LL)	0.19 1	1-12	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.55	Vert(TL)	-0.33 1	1-12	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.77	Horz(TL)	0.08	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TF	PI2002	(Mat	rix)	, ,					Weight: 174 lb	

LUMBE	₹
-------	---

TOP CHORD 2 X 4 SYP No.2 BOT CHORD 2 X 4 SYP No.2 WEBS 2 X 4 SYP No.3

### **BRACING**

TOP CHORD

**BOT CHORD** 

Structural wood sheathing directly applied or 3-7-13 oc purlins, except end verticals. Rigid ceiling directly applied or 6-8-13 oc bracing.

REACTIONS (lb/size) 15=1005/Mechanical, 8=1005/Mechanical

Max Horz 15=-108(load case 7)

Max Uplift 15=-205(load case 4), 8=-189(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD

1-15=-933/520, 1-2=-2440/1298, 2-3=-2859/1553, 3-4=-1686/1000, 4-5=-1456/879,

5-6=-1462/886, 6-7=-1665/925, 7-8=-1892/1047

**BOT CHORD** 

14-15=-22/177, 13-14=-753/1637, 12-13=-645/1448, 11-12=-823/1785,

10-11=-823/1785, 9-10=-823/1785, 8-9=-860/1642

**WEBS** 

1-14=-1270/2387, 2-14=-1416/821, 3-14=-844/1673, 3-13=-816/431, 4-13=-169/202

, 4-12=-68/315, 5-12=-489/212, 5-11=0/187, 5-9=-490/204, 6-9=-180/430,

7-9=-222/237

### JOINT STRESS INDEX

1 = 0.75, 2 = 0.81, 3 = 0.85, 4 = 0.45, 5 = 0.56, 6 = 0.67, 7 = 0.33, 8 = 0.81, 9 = 0.56, 10 = 0.59, 11 = 0.33, 12 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.34, 13 = 0.0.50, 14 = 0.85 and 15 = 0.38

1) Unbalanced roof live loads have been considered for this design.

Continued on page 2

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J189899	93
L257001	T18	SPECIAL	1	1		
1237001	10				Job Reference (optional)	

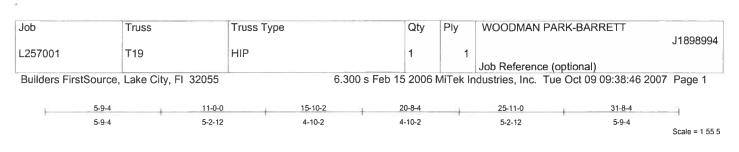
6.300 s Feb 15 2006 MiTek Industries, Inc. Tue Oct 09 09:38:45 2007 Page 2

### **NOTES**

- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 205 lb uplift at joint 15 and 189 lb uplift at joint 8.

LOAD CASE(S) Standard





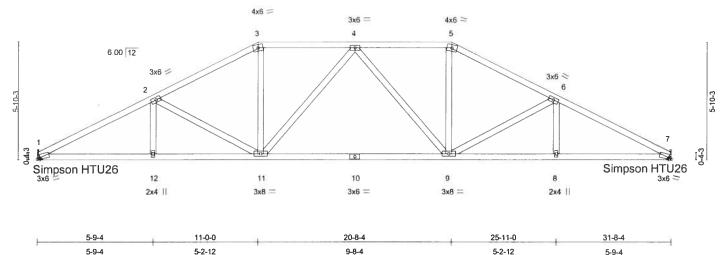


Plate Of	fsets (X,Y	): [1:0-1-9,0-0-7], [7:	0-1-9,0-0-	7]						2		
LOADIN	IG (psf)	SPACING	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	-0.19	9-11	>999	360	MT20	244/19
TCDL	7.0	Lumber Increase	1.25	ВС	0.53	Vert(TL)	-0.38	9-11	>983	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.26	Horz(TL)	0.08	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TF	PI2002	(Mat	rix)	, ,					Weight: 160 lb	

н	ı	ı	М	R	F	P

TOP CHORD 2 X 4 SYP No.2 BOT CHORD 2 X 4 SYP No.2 **WEBS** 2 X 4 SYP No.3

### **BRACING**

TOP CHORD **BOT CHORD** 

Structural wood sheathing directly applied or 4-4-4 oc purlins.

Rigid ceiling directly applied or 6-8-8 oc

bracing.

REACTIONS (lb/size) 1=1005/Mechanical, 7=1005/Mechanical

Max Horz 1=71(load case 5)

Max Uplift 1=-193(load case 6), 7=-193(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-1911/1043, 2-3=-1532/888, 3-4=-1322/853, 4-5=-1322/853, 5-6=-1532/888,

6-7=-1911/1043

**BOT CHORD** 1-12=-846/1639, 11-12=-846/1639, 10-11=-641/1426, 9-10=-641/1426,

8-9=-846/1639, 7-8=-846/1639

2-12=0/144, 2-11=-378/319, 3-11=-185/387, 4-11=-277/120, 4-9=-277/120, **WEBS** 

5-9=-185/387, 6-9=-378/319, 6-8=0/144

### JOINT STRESS INDEX

1 = 0.78, 2 = 0.39, 3 = 0.55, 4 = 0.38, 5 = 0.55, 6 = 0.39, 7 = 0.78, 8 = 0.33, 9 = 0.56, 10 = 0.63, 11 = 0.56 and 12 = 0.33

1) Unbalanced roof live loads have been considered for this design.

2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp 💆 B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.

8) Arayide adeguate drainage to prevent water ponding.

October 9,2007

🛦 Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE

This design is based only upon the parameters shown for an individual building component that is installed and loaded vertically and fabricated with MiTek connectors Applicability of design parameters and proper incorporation of component into the overall building structure, including all temporary and permanent bracing, is the responsibility of building designer and / or contractor per ANSI / TPI 1 as referenced by the building code. For general guidance regarding storage, delivery, erection and bracing, consult BCS-I or HIB-91 Handring Installing and Bracing Recommendation available from the Wood Truss Council of America, 1 WTCA Center, 6300 Enterprise Lane, Madison, WI 53719 or the Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719



Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT	
L257001	T19	HIP	1	1	J <sup>*</sup>	1898994
L237001	119	1111	'	1	Job Reference (optional)	

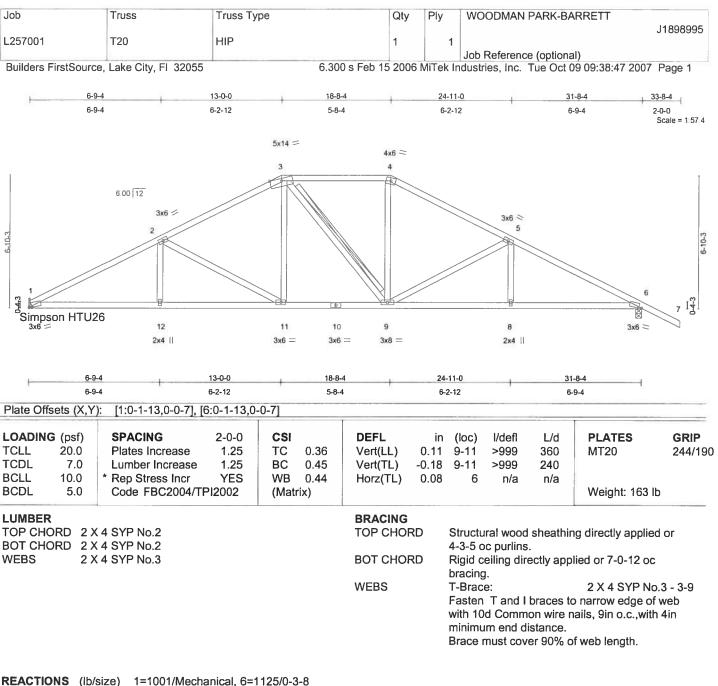
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### **NOTES**

- 4) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 193 lb uplift at joint 1 and 193 lb uplift at joint 7.

LOAD CASE(S) Standard





Max Horz 1=-126(load case 7)

Max Uplift 1=-205(load case 6), 6=-299(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-1876/1024, 2-3=-1396/835, 3-4=-1183/811, 4-5=-1394/830, 5-6=-1846/975,

**BOT CHORD** 1-12=-739/1601, 11-12=-739/1601, 10-11=-402/1184, 9-10=-402/1184,

8-9=-688/1570, 6-8=-688/1570

**WEBS** 2-12=0/216, 2-11=-481/386, 3-11=-143/327, 3-9=-154/153, 4-9=-130/325,

5-9=-448/331, 5-8=0/211

### **JOINT STRESS INDEX**

1 = 0.83, 2 = 0.39, 3 = 0.79, 4 = 0.70, 5 = 0.39, 6 = 0.77, 8 = 0.33, 9 = 0.56, 10 = 0.40, 11 = 0.34 and 12 = 0.33

Continued on page 2



Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT
1.257004	T20	ыр		1	J1898995
L257001	120	HIP	1	1	Job Reference (optional)

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### NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 205 lb uplift at joint 1 and 299 lb uplift at joint 6.

LOAD CASE(S) Standard

Julius Les Truse Cesion Endineer Minda PE No. 3-1868 1406 Chastel Bay Blvd Goviton Geson, Ht. 25425



Truss Type Ply WOODMAN PARK-BARRETT Truss Qty Job J1898996 L257001 T21 HIP Job Reference (optional) 6.300 s Feb 15 2006 MiTek Industries, Inc. Tue Oct 09 09:38:48 2007 Page 1 Builders FirstSource, Lake City, FI 32055 31-8-4 33-8-4 15-0-0 16-8-4 23-11-0 7-9-4

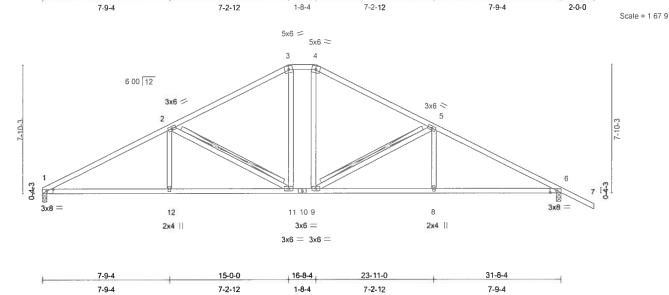


Plate Of	fsets (X,Y	): [1:0-4-12,0-1-8], [6	5:0-4-12,0	-1-8]							7	
LOADIN	IG (psf)	SPACING	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.43	Vert(LL)	0.15	1-12	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	ВС	0.50	Vert(TL)	-0.24	8-9	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.26	Horz(TL)	0.08	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TF	PI2002	(Mat	rix)						Weight: 160 lb	

LUMBER	
TOP CHORD	2 X 4 SYP No.2
BOT CHORD	2 X 4 SYP No.2

**WEBS** 2 X 4 SYP No.3 **BRACING** 

**WEBS** 

TOP CHORD **BOT CHORD** 

4-1-10 oc purlins.

Rigid ceiling directly applied or 7-0-3 oc

bracing.

T-Brace:

2 X 4 SYP No.3 -

2-11, 5-9

PERS SANC

Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c., with 4in

Structural wood sheathing directly applied or

minimum end distance. Brace must cover 90% of web length.

**REACTIONS** (lb/size) 1=1001/0-3-8, 6=1125/0-3-8

Max Horz 1=-138(load case 7)

Max Uplift 1=-215(load case 6), 6=-310(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension

1-2=-1842/1017, 2-3=-1273/793, 3-4=-1059/786, 4-5=-1272/792, 5-6=-1819/979, TOP CHORD

6-7=0/47

1-12=-721/1564, 11-12=-721/1564, 10-11=-323/1059, 9-10=-323/1059,

8-9=-680/1539, 6-8=-680/1539

2-12=0/253, 2-11=-618/454, 3-11=-180/309, 4-9=-170/307, 5-9=-590/408, **WEBS** 

5-8=0/249

### **JOINT STRESS INDEX**

**BOT CHORD** 

1 = 0.70, 2 = 0.39, 3 = 0.58, 4 = 0.58, 5 = 0.39, 6 = 0.71, 8 = 0.33, 9 = 0.34, 10 = 0.42, 11 = 0.34 and 12 = 0.33

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT
L257001	T21	HIP	1	1	J1898996
L23/001	121	THE	'	•	Job Reference (optional)

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### **NOTES**

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 215 lb uplift at joint 1 and 310 lb uplift at joint 6.

LOAD CASE(S) Standard

Julius Lee Truss Coston Endincer Plonida Pie No. 3-1808 1 190 Grantel Bay Sivi Goviton Geson: Fl. 201106



Jo	bb	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT	
1.2	257001	T22	SPECIAL	3	1	J189	98997
	20.001		·		_	Job Reference (optional)	

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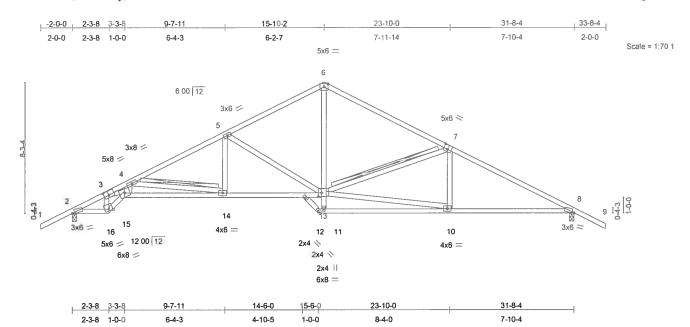


Plate Offsets (X,Y): [2:0-1-12,0-0-7], [3:0-3-12,0-3-0], [7:0-3-0,0-3-4], [8:0-1-8,0-0-7], [12:0-2-0,Edge], [13:0-2-8,0-2-12] **SPACING** 2-0-0 CSI **DEFL** L/d **PLATES GRIP** LOADING (psf) in (loc) I/defl 20.0 1.25 TC 0.43 Vert(LL) 0.28 14-15 >999 360 MT20 244/190 **TCLL** Plates Increase **TCDL** 7.0 Lumber Increase 1.25 BC 0.91 Vert(TL) -0.49 14-15 >774 240 \* Rep Stress Incr **BCLL** 10.0 YES WB 0.77 Horz(TL) 0.23 8 n/a n/a **BCDL** Code FBC2004/TPI2002 Weight: 180 lb 5.0 (Matrix)

LUMBER		BRACING	
TOP CHORD	2 X 4 SYP No.2	TOP CHORD	Structural w
BOT CHORD	2 X 4 SYP No.2 *Except*		2-10-4 oc pi
	8-12 2 X 4 SYP No.1D	BOT CHORD	Rigid ceiling
WEBS	2 X 4 SYP No.3 *Except*		bracing.
	4-15 2 X 6 SYP No.1D	WEBS	T-Brace:
OTHERS	2 X 4 SYP No.1D		

OP CHORD Structural wood sheathing directly applied or 2-10-4 oc purlins.

D Rigid ceiling directly applied or 4-9-3 oc bracing.

Brace: 2

2 X 4 SYP No.3 -4-14, 7-13

Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.

Brace must cover 90% of web length.

**REACTIONS** (lb/size) 2=1122/0-3-8, 8=1122/0-3-8

Max Horz 2=-129(load case 7)

Max Uplift 2=-313(load case 6), 8=-313(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/47, 2-3=-1842/889, 3-4=-4307/2091, 4-5=-2017/1085, 5-6=-1367/832,

6-7=-1370/806, 7-8=-1814/967, 8-9=0/47

BOT CHORD 2-16=-627/1552, 15-16=-783/1979, 14-15=-1655/3546, 13-14=-719/1764,

11-12=0/0, 10-11=-13/41, 8-10=-669/1533

3-16=-1299/556, 3-15=-1171/2400, 4-15=-362/1103, 4-14=-1797/944, 5-14=-91/395

, 5-13=-719/458, 11-13=0/109, 6-13=-420/771, 7-13=-487/373, 7-10=-79/156,

10-13=-663/1505

Julius Les Trues (Pesign (Indineer Plande Fill no. 3-1995 1-100 (Indiata) Fill Bovijon Leadh, FL 50450

Continued on page 2

**WEBS** 

October 9,2007

Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE

This design is based only upon the parameters shown for an individual building component that is installed and loaded vertically and fabricated with MITek connectors Applicability of design parameters and proper incorporation of component into the overall building structure, including all temporary and permanent bracing, is the responsibility of building designer and / or contractor per ANSI / TPI 1 as referenced by the building code. For general guidance regarding storage, delivery, erection and bracing, consult BCSI-1 or HIB-91 Handling Installing and Bracing Recommendation available from the Wood Truss Council of America, 1 WTCA Center, 6300 Enterprise Lane, Madison, WI 53719 or the Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719



Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT	
L257001	T22	SPECIAL	2	1	J189	8997
L237001	122	OI ECIAL	3	'	Job Reference (optional)	

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### JOINT STRESS INDEX

2 = 0.76, 3 = 0.62, 4 = 0.63, 5 = 0.39, 6 = 0.66, 7 = 0.79, 8 = 0.79, 10 = 0.62, 11 = 0.33, 12 = 0.46, 13 = 0.57, 14 = 0.50, 15 = 0.86, 16 = 0.57 and 17 = 0.33

### **NOTES**

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 3) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 313 lb uplift at joint 2 and 313 lb uplift at joint 8.

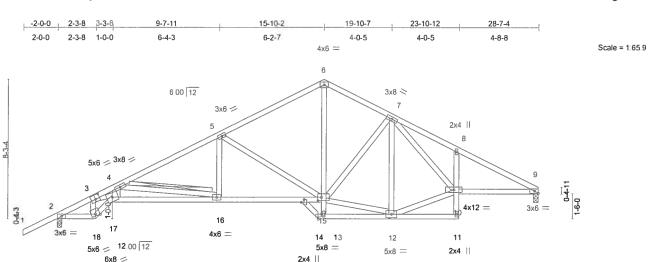
LOAD CASE(S) Standard

Julius Lee Truss Cesion Choinear Florida Me No. 3-1869 1-106 Chasisi Mey Mive Governa Geson, FL 20435



Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT	
L257001	T23	SPECIAL	4	1		J1898998
2237007	120	0. 201/.2	7	'	Job Reference (optional)	

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2x4 =2x4 ||

2-3-8	3 <b>-3-</b> 8	9-7-11	14-6-0	15-6-0	23-10-12	28-7-4
2-3-8	1-0-0	6-4-3	4-10-5	1-0-0	8-4-12	4-8-8

Plate Offsets (X,Y):	[3:0-3-0,0-3-0], [14:0-2-8,Edge]	, [15:0-2-8,0-2-8], [19:0-2-0,0-2-0]

LOADIN	IG (psf)	SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defi	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.41	Vert(LL)	0.27	16-17	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.80	Vert(TL)	-0.42	16-17	>804	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.69	Horz(TL)	0.18	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TF	PI2002	(Mat	rix)						Weight: 180 lb	

11	IM	RF	R

TOP CHORD 2 X 4 SYP No.2 BOT CHORD 2 X 4 SYP No.2

4-17 2 X 6 SYP No.1D

2 X 4 SYP No.3 \*Except\*

### **BRACING**

**WEBS** 

TOP CHORD Structural wood sheathing directly applied or

3-0-13 oc purlins.

**BOT CHORD** Rigid ceiling directly applied or 4-7-4 oc

bracing.

T-Brace:

2 X 4 SYP No.3 -

4-16

Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c., with 4in minimum end distance.

Brace must cover 90% of web length.

**REACTIONS** (lb/size) 9=903/0-3-8, 2=1027/0-3-8

Max Horz 2=173(load case 6)

Max Uplift 9=-186(load case 7), 2=-297(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/47, 2-3=-1647/789, 3-4=-3843/2066, 4-5=-1762/995, 5-6=-1122/722,

6-7=-1064/724, 7-8=-1610/1032, 8-9=-1694/950

**BOT CHORD** 2-18=-695/1384, 17-18=-870/1767, 16-17=-1766/3162, 15-16=-796/1537,

13-14=0/0, 12-13=-6/19, 11-12=-42/74, 10-11=0/54, 8-10=-176/208,

9-10=-770/1448

3-18=-1163/612, 3-17=-1232/2142, 4-17=-414/990, 4-16=-1639/978, 5-16=-96/380. **WEBS** 

5-15=-719/493, 13-15=0/61, 6-15=-415/645, 7-15=-124/113, 12-15=-440/926,

7-12=-504/286, 7-10=-463/731, 10-12=-421/906

Continued on page 2



Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT
1.057004	Too	SPECIAL			J189899
L257001	T23	SPECIAL	4		Job Reference (optional)

6.300 s Feb 15 2006 MiTek Industries, Inc. Tue Oct 09 09:38:50 2007 Page 2

### JOINT STRESS INDEX

2 = 0.71, 3 = 0.74, 4 = 0.57, 5 = 0.39, 6 = 0.54, 7 = 0.86, 8 = 0.56, 9 = 0.69, 10 = 0.67, 11 = 0.43, 12 = 0.43, 13 = 0.33, 14 = 0.45, 15 = 0.66, 16 = 0.46, 17 = 0.76, 18 = 0.51 and 19 = 0.33

### NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 3) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 186 lb uplift at joint 9 and 297 lb uplift at joint 2.

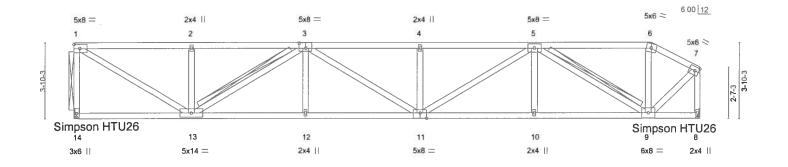
LOAD CASE(S) Standard

Julius Lee Truss Cosion Endinger Plotion Fill No. 1100 b 1100 Chastel Rey Sivi Boviton Bosch, FL 55400



Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT	
L257001	T24	SPECIAL	1	1	J1	898999
L237001	127	01 2011 12	·		Job Reference (optional)	
Builders FirstSourc	e, Lake City, Fl 3	2055	6.300 s Feb 15 2006	MiTek I	ndustries, Inc. Tue Oct 09 09:38:51 2007 Pa	age 1





1	5-11-2	11-8-7	17-5-13	23-3-2	29-2-4	31-8-4
,	5-11-2	5-9-6	5-9-6	5-9-6	5-11-2	2-6-0

Plate Offsets (X,Y): [3:0-4-0,0-3-0], [11:0-4-0,0-3-4] LOADING (psf) **SPACING** 2-0-0 CSI **DEFL** I/defl L/d **PLATES GRIP** in (loc) MT20 244/190 **TCLL** 20.0 1.25 TC 0.98 Vert(LL) -0.31 11-12 >999 360 Plates Increase **TCDL** 7.0 Lumber Increase 1.25 BC 0.70 Vert(TL) -0.61 11-12 >620 240

**BCLL** 10.0 WB 0.67 0.15 Rep Stress Incr NO Horz(TL) n/a n/a Weight: 179 lb **BCDL** 5.0 Code FBC2004/TPI2002 (Matrix) LUMBER **BRACING** TOP CHORD 2 X 4 SYP No.2 TOP CHORD

Structural wood sheathing directly applied or 2-4-3 oc purlins, except end verticals. **BOT CHORD** Rigid ceiling directly applied or 6-0-11 oc bracing.

**WEBS** T-Brace: 2 X 4 SYP No.3 -1-14, 3-13, 5-9

Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c., with 4in minimum end distance.

Brace must cover 90% of web length.

REACTIONS (lb/size) 14=2187/Mechanical, 8=2187/Mechanical

1-13 2 X 4 SYP No.2, 3-13 2 X 4 SYP No.2

3-11 2 X 4 SYP No.2, 5-11 2 X 4 SYP No.2

Max Horz 14=-83(load case 6)

2 X 4 SYP No.3 \*Except\*

5-9 2 X 4 SYP No.2

Max Uplift 14=-611(load case 3), 8=-578(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-14=-2108/637, 1-2=-3000/839, 2-3=-3000/839, 3-4=-4867/1375, 4-5=-4867/1375,

5-6=-1493/460, 6-7=-1663/463, 7-8=-2165/578

**BOT CHORD** 13-14=0/98, 12-13=-1224/4591, 11-12=-1224/4591, 10-11=-1034/3857,

9-10=-1034/3857, 8-9=-7/10

1-13=-951/3406, 2-13=-700/311, 3-13=-1869/530, 3-12=0/241, 3-11=-100/324,

4-11=-669/294, 5-11=-319/1185, 5-10=0/247, 5-9=-2777/765, 6-9=0/232,

7-9=-531/2029

BOT CHORD 2 X 4 SYP No.1D

**WEBS** 

Continued on page 2

**WEBS** 

October 9,2007

📤 Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE This design is based only upon the parameters shown for an individual building component that is installed and loaded vertically and fabricated with MiTek connectors. Applicability of design parameters and proper incorporation of component into the overall building structure, including all temporary and permanent bracing, is the responsibility of building designer and / or contractor per ANSI / TPI 1 as referenced by the building code. For general guidance regarding storage, delivery, erection and bracing, consult BCSI-1 or HIB-91 Handring installing and Bracing Recommendation available from the Wood Truss Council of America, 1 WTCA Center, 6300 Enterprise Lane, Madison, WI 53719 or the Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719



Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT
L257001	T24	SPECIAL	1	1	J1898999
2207001	127	OF EGINE	<u>'</u>	'	Job Reference (optional)

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### JOINT STRESS INDEX

1 = 0.69, 2 = 0.33, 3 = 0.68, 4 = 0.33, 5 = 0.72, 6 = 0.75, 7 = 0.69, 8 = 0.77, 9 = 0.82, 10 = 0.33, 11 = 0.92, 12 = 0.33, 13 = 0.85 and 14 = 0.44

### NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS; Lumber DOL=1.60 plate grip DOL=1.60.
- 2) Provide adequate drainage to prevent water ponding.
- 3) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 611 lb uplift at joint 14 and 578 lb uplift at joint 8.
- 6) Girder carries hip end with 0-0-0 right side setback, 0-0-0 left side setback, and 7-0-0 end setback.
- 7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

### LOAD CASE(S) Standard

 Regular: Lumber Increase=1.25, Plate Increase=1.25 Uniform Loads (plf)

Vert: 1-6=-118(F=-64), 6-7=-118(F=-64), 8-14=-22(F=-12)

Julius Les Truss Coston Engineer Ficholo Fib. No. 3-1868 1-166 Crastel Ray Flyd Boynton Usson, 41, 55456





6.300 s Feb 15 2006 MiTek Industries, Inc. Tue Oct 09 09:38:52 2007 Page 1



6.00 12 5x6 = 2x4 5x8 = 5 2 3 4 3x6 / 2x4 / Simpson HTU26 Simpson HTU26 10 q 2x4 | 5x8 = 3x6 = 2x4 || 5x8 =

1	2-0-0	8-11-5	15-8-15	22-8-4	31-8-4
	2-0-0	6-11-5	6-9-9	6-11-5	9-0-0

Plate Of	fsets (X,Y	): [3:0-4-0,0-3-0], [7:	0-1-9,0-0-	7], [9:0-	3-4,0-3-0	DI .						
LOADIN	IG (psf)	SPACING	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.32	Vert(LL)	-0.13	7-8	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.42	Vert(TL)	-0.27	7-8	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.48	Horz(TL)	0.08	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TF	PI2002	(Mat	rix)						Weight: 174 lb	

LUMBER TOP CHORD 2 X 4 SYP No.2 BOT CHORD 2 X 4 SYP No.2 2 X 4 SYP No.3 **WEBS** 

**BRACING** TOP CHORD

**BOT CHORD** 

**WEBS** 

bracing.

T-Brace:

4-5-1 oc purlins, except end verticals. Rigid ceiling directly applied or 6-0-0 oc

> 2 X 4 SYP No.3 -3-11

Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c., with 4in minimum end distance.

Structural wood sheathing directly applied or

Brace must cover 90% of web length.

REACTIONS (lb/size) 7=1005/Mechanical, 12=1005/Mechanical

Max Horz 12=-127(load case 7)

Max Uplift 7=-202(load case 4), 12=-235(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension

1-2=-488/265, 2-3=-452/282, 3-4=-1787/1014, 4-5=-1779/1007, 5-6=-1677/907,

6-7=-1894/1019, 1-12=-1002/528

11-12=-2/182, 10-11=-586/1451, 9-10=-586/1451, 8-9=-631/1454, 7-8=-836/1643

2-11=-113/108, 3-11=-1208/645, 3-10=0/214, 3-9=-234/406, 4-9=-382/267, WEBS

5-9=-174/491, 5-8=-70/291, 6-8=-209/231, 1-11=-487/939

alius Lee russ Coston Enginser lorida Pis Ivo Islaas 186 Engista Bay Mud

### **JOINT STRESS INDEX**

1 = 0.77, 2 = 0.63, 3 = 0.36, 4 = 0.33, 5 = 0.49, 6 = 0.33, 7 = 0.77, 8 = 0.34, 9 = 0.45, 10 = 0.33, 11 = 0.48 and 12 = 0.36

Continued on page 2

TOP CHORD

**BOT CHORD** 



Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT
L257001	T25	HIP	1	1	J1899000
L237001	125	, , ,	<u> </u>		Job Reference (optional)

6.300 s Feb 15 2006 MiTek Industries, Inc. Tue Oct 09 09:38:52 2007 Page 2

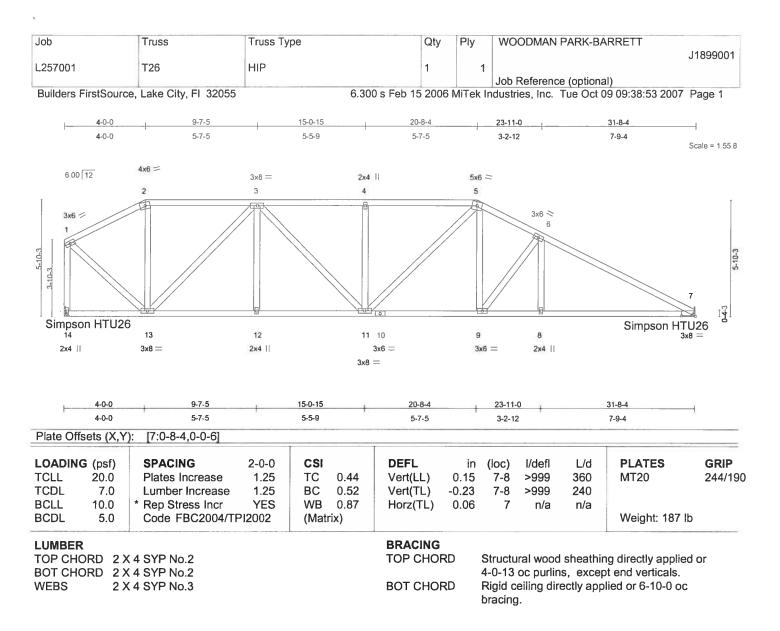
### **NOTES**

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 202 lb uplift at joint 7 and 235 lb uplift at joint 12.

LOAD CASE(S) Standard

Julium Lem Trues Coston Engineer Plands Pile 145, 3-1860 1466 Costol Pay Slyd Scotten Manuel





REACTIONS (lb/size) 7=1005/Mechanical, 14=1005/Mechanical

Max Horz 14=-139(load case 7)

Max Uplift 7=-188(load case 7), 14=-203(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-765/431, 2-3=-653/434, 3-4=-1447/874, 4-5=-1448/873, 5-6=-1524/901,

6-7=-1839/957, 1-14=-983/551

BOT CHORD 13-14=0/171, 12-13=-460/1223, 11-12=-460/1223, 10-11=-530/1299,

9-10=-530/1299, 8-9=-741/1556, 7-8=-741/1556

WEBS 2-13=0/153, 3-13=-835/440, 3-12=0/162, 3-11=-187/331, 4-11=-313/227,

5-11=-111/309, 5-9=-220/331, 6-9=-402/331, 6-8=-8/203, 1-13=-435/858

### **JOINT STRESS INDEX**

1 = 0.62, 2 = 0.49, 3 = 0.56, 4 = 0.33, 5 = 0.29, 6 = 0.42, 7 = 0.74, 8 = 0.33, 9 = 0.40, 10 = 0.42, 11 = 0.56, 12 = 0.33, 13 = 0.82 and 14 = 0.36

### **NOTES**

1) Unbalanced roof live loads have been considered for this design.

2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This Coffiling dasigned for C-C for members and forces, and for MWFRS for reactions specified.

Truss Cosign Engineer Florida PE No. 34888 1406 Grantal Bay Blyd Goviton Gesch, Et Suriss

October 9,2007

Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE

This design is based only upon the parameters shown for an individual building component that is installed and loaded vertically and fabricated with MITek connectors. Applicability of design parameters and proper incorporation of component into the overall building structure, including all temporary and permanent bracing, is the responsibility of building designer and / or contractor per ANSI / TPI 1 as referenced by the building code. For general guidance regarding storage, delivery, erection and bracing, consult BCSI-1 or HIB-91 Handling Installing and Bracing Recommendation authlable from the Wood Truss Council of America, 1 WTCA Center, 6300 Enterprise Lane, Madison, WI 53719 or the Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719



Job	Truss	Truss Type Qty		Ply	WOODMAN PARK-BARRETT	
L257001	T26	HIP	1	1	J189900	1
2237 00 1	120				Job Reference (optional)	

6.300 s Feb 15 2006 MiTek Industries, Inc. Tue Oct 09 09:38:53 2007 Page 2

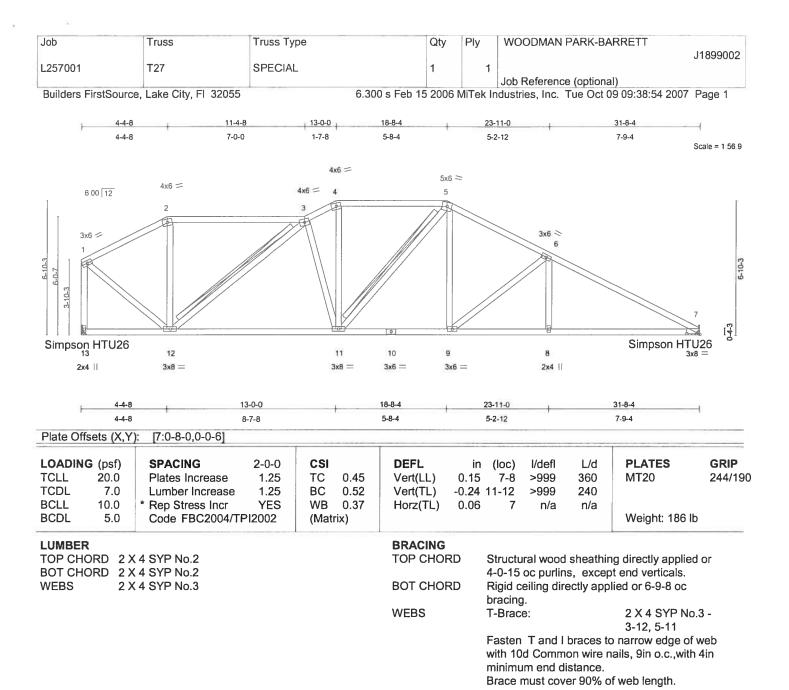
### **NOTES**

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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 188 lb uplift at joint 7 and 203 lb uplift at joint 14.

LOAD CASE(S) Standard





REACTIONS (lb/size) 7=1005/Mechanical, 13=1005/Mechanical

Max Horz 13=-151(load case 7)

Max Uplift 7=-201(load case 7), 13=-212(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-812/458, 2-3=-697/466, 3-4=-1350/843, 4-5=-1191/770, 5-6=-1403/835,

6-7=-1839/972, 1-13=-990/555

**BOT CHORD** 12-13=-5/171, 11-12=-514/1288, 10-11=-456/1182, 9-10=-456/1182, 8-9=-754/1557

, 7-8=-754/1557

**WEBS** 2-12=-39/150, 3-12=-771/444, 4-11=-246/413, 5-11=-120/157, 5-9=-191/316,

6-9=-470/372, 6-8=0/225, 1-12=-449/891, 3-11=-360/281

### **JOINT STRESS INDEX**

1 = 0.62, 2 = 0.73, 3 = 0.75, 4 = 0.53, 5 = 0.35, 6 = 0.39, 7 = 0.73, 8 = 0.33, 9 = 0.34, 10 = 0.40, 11 = 0.66, 12 = 0.84 and 13 = October 9,2007 Conthided on page 2

▲ Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE This design is based only upon the parameters shown for an individual building component that is installed and loaded vertically and fabricated with MITek connectors Applicability of design parameters and proper incorporation of component into the overall building structure, including all temporary and permanent bracing, is the responsibility of building designer and / or contractor per ANSI / TPI 1 as referenced by the building code. For general guidance regarding storage, delivery, erection and bracing, consult BCSI-1 or HIB-91 Handling Installing and Bracing Recommendation available from the Wood Truss Council of America, 1 WTCA Center, 6300 Enterprise Lane, Madison, WI 53719 or the Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719



Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT	
1.057004	T07	SDECIM			J189900	2
L257001	127	SPECIAL	1	1	Job Reference (optional)	
					Job Reference (optional)	

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### NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 201 lb uplift at joint 7 and 212 lb uplift at joint 13.

LOAD CASE(S) Standard

Authus Coston Endinger Flohda FE No. 34988 1466 Chastal Ray Sivil Boynton Weach, 44 Solvid





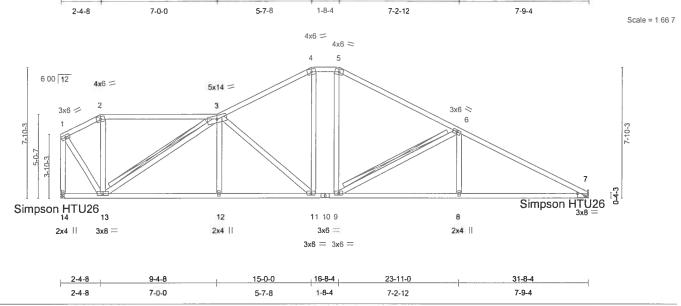


Plate Offsets (X,Y): [7:0-4-12,0-1-8]												
LOADIN	IG (psf)	SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.43	Vert(LL)	0.15	7-8	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.50	Vert(TL)	-0.23	8-9	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.50	Horz(TL)	0.07	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TF	P12002	(Mat	rix)						Weight: 185 lb	

2 X 4 SYP No.2
2 X 4 SYP No.2
2 X 4 SYP No.3

**BRACING** TOP CHORD

Structural wood sheathing directly applied or 4-1-9 oc purlins, except end verticals. Rigid ceiling directly applied or 6-0-0 oc bracing.

**BOT CHORD WEBS** 

T-Brace:

2 X 4 SYP No.3 -3-13, 6-9

Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c., with 4in minimum end distance.

Brace must cover 90% of web length.

REACTIONS (lb/size) 7=1005/Mechanical, 14=1005/Mechanical

Max Horz 14=-162(load case 7)

Max Uplift 7=-211(load case 7), 14=-222(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

1-2=-557/316, 2-3=-507/328, 3-4=-1254/784, 4-5=-1062/764, 5-6=-1278/770, TOP CHORD

6-7=-1853/1000, 1-14=-1006/555

**BOT CHORD** 13-14=-14/182, 12-13=-618/1426, 11-12=-617/1428, 10-11=-380/1062,

9-10=-380/1062, 8-9=-784/1574, 7-8=-784/1574

WEBS 2-13=-109/88, 3-13=-1117/646, 3-12=0/196, 3-11=-529/313, 4-11=-232/377,

5-9=-138/319, 6-9=-618/461, 6-8=0/256, 1-13=-494/930

us Lee es Casion Engineer Nai Pe Po. 34000 In Chestal May Miva Viion Desoh, FL 63466

### **JOINT STRESS INDEX**

1 = 0.75, 2 = 0.67, 3 = 0.50, 4 = 0.55, 5 = 0.78, 6 = 0.39, 7 = 0.71, 8 = 0.33, 9 = 0.34, 10 = 0.38, 11 = 0.35, 12 = 0.33, 13 = 0.50. October 9,2007 Continued of date 236

🛕 Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE

This design is based only upon the parameters shown for an individual building component that is installed and loaded vertically and fabricated with MiTek connectors Applicability of design parameters and proper incorporation of component into the overall building structure, including all temporary and permanent bracing, is the responsibility of building designer and / or contractor per ANSI /TPI 1 as referenced by the building code. For general guidance regarding storage, delivery, erection and bracing, consult BCSi-1 or HIB-91 Handling Installing and Bracing Recommendation available from the Wood Truss Council of America, 1 WTCA Center, 6300 Enterprise Lane, Madison, WI 53719 or the Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719



Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT	
L257001	T28	SPECIAL	1	1		J1899003
L237 00 1	120	OI LOIAL		'	Job Reference (optional)	

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### **NOTES**

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 211 lb uplift at joint 7 and 222 lb uplift at joint 14.

LOAD CASE(S) Standard

Julius Lee Truss Costan Engineer Florida PE No. 3-1868 1400 Chastal Bay Blvd Goynton Wesch, FL 20425



Job	Truss	Truss Ty	ре	Qty	Ply	WO	ODMAN	PARK-BA	RRETT	
L257001	T29	соммо	N	5		1				J1899004
						Job		e (optiona		
Builders FirstSourc	e, Lake City, FI 3205	5	6.300	s Feb 15 2006	6 MiTek	Industr	ies, Inc.	Tue Oct 0	9 09:38:56 2007	Page 1
-	8-2-5	1	5-10-2	23-	5-15			31-8	-4	33-8-4
	8-2-5	7	'-7-13	7-	7-13			8-2-	-5	2-0-0 Scale = 1 56 9
			5x6	3 =						
,			3							
	6 00 12									
	3x6	0					5x6 <>			
	2						4			
8-3-4	The state of the s						**			
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1							9			5 6 1 <del>4</del>
Simpson HTU	26			•					<u> </u>	
3x8 =	9 2x4	П	8	3 =			7 2x4		3x8	= 7
	2,7	11	JAC .			,	2.44			
	8-2-5 8-2-5		5-10-2 '-7-13		5-15 7-13			31-8 8-2-		
Plate Offsets (X,Y								0-2-		
	<i>j.</i> [1.0-0-0,0-0-0], [-	4.0-3-0,0-3-	+], [0.0-0-0,0-0-0	[, [0.0-4-0,0-0				-		
LOADING (psf)	SPACING	2-0-0	CSI	DEFL		(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.45	Vert(LL)	0.18	1-9 1-9	>999 >999	360 240	MT20	244/19
TCDL 7.0 BCLL 10.0	Lumber Increase * Rep Stress Incr	1.25 YES	BC 0.52 WB 0.42	Vert(TL) Horz(TL)	-0.27 0.08	5	n/a	240 n/a		
BCDL 5.0	Code FBC2004/		(Matrix)	11012(12)	0.00	J	11/4	1174	Weight: 151	lb
	1								<u>F</u>	
LUMBER TOP CHORD 2)	/ 4 SVD No 2			BRACING TOP CHOP	חמ	Structi	iral wood	l choathir	ng directly applie	ad or
BOT CHORD 2)				TOP CHOI	(D		oc purlins		ig directly applic	50 OI
	4 SYP No.3			BOT CHOP	RD	Rigid o	eiling dir		lied or 6-11-11	ос
				WEDO		bracing			2 \ 4 C\ D \ 1	-2 20
				WEBS		T-Brac	e.		2 X 4 SYP N 4-8	u.s - Z-8,

**REACTIONS** (lb/size) 1=1001/Mechanical, 5=1125/0-3-8

Max Horz 1=-143(load case 7)

Max Uplift 1=-219(load case 6), 5=-314(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-1823/1012, 2-3=-1233/783, 3-4=-1232/782, 4-5=-1799/975, 5-6=0/47

**BOT CHORD** 1-9=-710/1543, 8-9=-710/1543, 7-8=-670/1515, 5-7=-669/1516

**WEBS** 2-9=0/259, 2-8=-621/468, 3-8=-375/622, 4-8=-592/425, 4-7=0/257

### **JOINT STRESS INDEX**

1 = 0.73, 2 = 0.39, 3 = 0.69, 4 = 0.77, 5 = 0.77, 7 = 0.33, 8 = 0.40 and 9 = 0.33

### **NOTES**

1) Unbalanced roof live loads have been considered for this design. Continued on page 2

Les Cesign Chames à Pe No. 34ee Craetal May Mivri Craetal New Mivri Craetal Chames

with 10d Common wire nails, 9in o.c., with 4in

Brace must cover 90% of web length.

minimum end distance.

October 9,2007

warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE

This design is based only upon the parameters shown for an individual building component that is installed and loaded vertically and fabricated with MiTek connectors. Applicability of design parameters and proper incorporation of component into the overall building structure, including all temporary and permanent bracing, is the responsibility of building designer and /or contractor per ANSI /TPI 1 as referenced by the building code. For general guidance regarding storage, delivery, erection and bracing, consult BCSI-1 or HIB-91 Handling Installing and Bracing Recommendation available from the Wood Truss Council of America, 1 WTCA Center, 6300 Enterprise Lane, Madison, WI 53719 or the Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719



Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT	
L257001	T29	COMMON	5	1	J189900	14
					Job Reference (optional)	

6.300 s Feb 15 2006 MiTek Industries, Inc. Tue Oct 09 09:38:56 2007 Page 2

### **NOTES**

- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 3) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 219 lb uplift at joint 1 and 314 lb uplift at joint 5.

LOAD CASE(S) Standard

Judius Les Fries Cosign Charlist Plonic Pis No. 3-1930 1400 Charlis May Sive Soverna Asset St. 20425

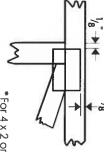


## Symbols

# PLATE LOCATION AND ORIENTATION



\*Center plate on joint unless securely seat plates to both sides of truss and Dimensions are in inches. Apply dimensions indicate otherwise.



For 4 x 2 orientation, locate plates 1/8" from outside edge of truss and vertical web.



This symbol indicates the required direction of slots in connector plates

### PLATE SIZE

4 × 4

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

## LATERAL BRACING



Indicates location of required continuous lateral bracing.

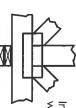
NER R

561

WISC/DILHR

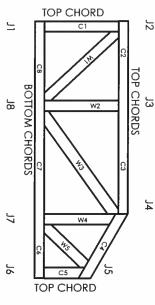
960022-W, 970036-N

### BEARING



which bearings (supports) occur. Indicates location of joints at

# Numbering System



JOINTS AND CHORDS ARE NUMBERED CLOCKWISE AROUND THE TRUSS STARTING AT THE LOWEST JOINT FARTHEST TO THE LEFT.

WEBS ARE NUMBERED FROM LEFT TO RIGHT

## CONNECTOR PLATE CODE APPROVALS

BOCA ICBO 3907, 4922 96-31, 96-67

SBCCI

9667, 9432A



MiTek Engineering Reference Sheet: MII-7473

# **General Safety Notes**

Damage or Personal Injury

Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.

Cut members to bear tightly against each

Failure to Follow Could Cause Property

## 4. ω Ġ 5

## joint and embed fully. Avoid knots and wane at joint locations. Place plates on each face of truss at each

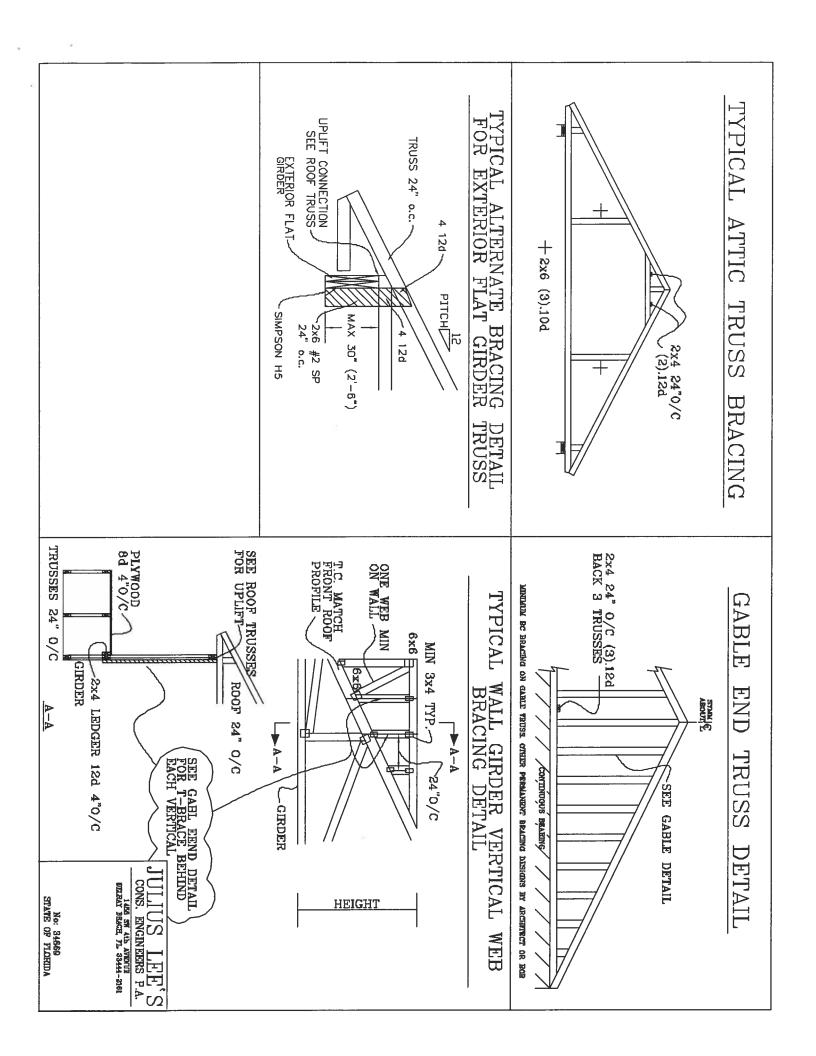
- Unless otherwise noted, locate chord splices at 1/4 panel length (± 6" from adjacent joint.)
- Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
- Unless expressly noted, this design is not applicable for use with fire retardant or preservative treated lumber.
- 7. Camber is a non-structural consideration and practice is to camber for dead load deflection. is the responsibility of truss fabricator. General
- shown indicate minimum plating requirements. Plate type, size and location dimensions
- Lumber shall be of the species and size, and grade specified. in all respects, equal to or better than the
- 10. Top chords must be sheathed or purlins provided at spacing shown on design.
- 11. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
- 12. Anchorage and / or load transferring others unless shown. connections to trusses are the responsibility of
- Do not overload roof or floor trusses with stacks of construction materials.
- 14. Do not cut or alter truss member or plate without prior approval of a professional
- Care should be exercised in handling erection and installation of trusses.

## © 1993 MiTek® Holdings, Inc.

	DIAGONAL BEACE OPTION: VERTICAL LENGTH MAY BE DOUBLED WITH DIAGONAL ERACE IS USED. CONVECT HIACONAL BEACE THE SACE AT EACH END. MAX WEB TOTAL LENGTH HE 14'.  VERTICAL LENGTE SHOWN IN TABLE ABOVE.  CONVECT DIAGONAL AT MITHEMAY OF VERTICAL	MAX GABLE VERTICAL LENGTH  12" O.C. 16" O.C. SPF 11  SPECIES OF SP	
BRADIG. RETEX 10 3631 3-421 (BRIDING COMPRIEN) SAFITY INTERMATION, PUBLISHED BY 1791 (TRUSS PERMATION) PUBLISHED BY 1791 (TRUSS PERMATION) AND SAME AND AND SAME AND	CAPIL TRUSS  CAPIL	DRACE   NO	
CONS. ENGINEERS P.A.  1455 ST 4th AVENUE DELFAN HEACH, FL. 3344-2161.  No. 34859 STATE OF FLORIDA  MAX. TOT.	T ⊕ ⊕ F	HEIGHT, ENCLOSED, I = 1.00,  BRACE ** (1) 226 12 BRACE * (2) 275 12 BRACE **  GROUP B GROUP A GROUP B GROUP A GROUP B  B' 3" 10' 10' 11' 2' 12' 11" 12' 11"  B' 3" 10' 0" 10' 0" 12' 11" 12' 11"  B' 3" 10' 10' 11' 8" 12' 11" 12' 11"  B' 11" 10' 10' 11' 8" 12' 11" 13' 11"  B' 11" 10' 10' 11' 8" 12' 11" 13' 11"  B' 11" 10' 10' 11' 8" 12' 11" 13' 11"  B' 8" 8' 10' 3" 10' 3" 12' 11" 13' 17"  B' 8" 8' 10' 3" 10' 3" 12' 11" 13' 7"  B' 8" 8' 12' 4" 14' 0" 14' 0"  B' 5" 12' 4" 12' 4" 14' 0" 14' 0"  B' 11" 12' 5" 12' 5" 14' 0" 14' 0"  B' 11" 12' 5" 12' 8" 14' 0" 14' 0"  B' 11" 12' 5" 12' 8" 14' 0" 14' 0"  B' 11" 12' 5" 12' 8" 14' 0" 14' 0"  B' 11" 12' 5" 12' 8" 14' 0" 14' 0"  10' 2" 12' 3" 12' 8" 14' 0" 14' 0"  10' 5" 13' 8" 14' 0" 14' 0" 14' 0"  10' 5" 13' 8" 14' 0" 14' 0" 14' 0"  10' 11" 13' 8" 14' 0" 14' 0" 14' 0"  10' 11" 13' 8" 14' 0" 14' 0" 14' 0"  10' 11" 13' 8" 14' 0" 14' 0" 14' 0"  10' 11" 13' 8" 14' 0" 14' 0" 14' 0"  10' 11" 13' 8" 14' 0" 14' 0" 14' 0"  10' 8" 13' 8" 14' 0" 14' 0" 14' 0"  10' 8" 13' 8" 14' 0" 14' 0" 14' 0"  10' 8" 13' 8" 14' 0" 14' 0" 14' 0"  10' 8" 13' 8" 14' 0" 14' 0" 14' 0"  10' 8" 13' 8" 14' 0" 14' 0" 14' 0"  10' 8" 13' 8" 14' 0" 14' 0" 14' 0"  10' 8" 13' 8" 14' 0" 14' 0" 14' 0"  10' 8" 13' 8" 14' 0" 14' 0" 14' 0"  10' 8" 13' 8" 14' 0" 14' 0" 14' 0"  10' 8" 13' 8" 14' 0" 14' 0" 14' 0"  10' 8" 13' 8" 14' 0" 14' 0" 14' 0"  10' 8" 13' 8" 14' 0" 14' 0" 14' 0"  10' 8" 13' 8" 14' 0" 14' 0" 14' 0"  10' 8" 12' 6" 12' 6" 14' 0" 14' 0"  10' 8" 12' 6" 12' 6" 14' 0" 14' 0"  10' 8" 12' 6" 12' 6" 14' 0" 14' 0"  10' 8" 12' 6" 12' 6" 14' 0" 14' 0"  10' 8" 12' 6" 12' 6" 14' 0" 14' 0"  10' 8" 12' 6" 12' 6" 14' 0" 14' 0"  10' 8" 12' 6" 12' 6" 14' 0" 14' 0"  10' 8" 12' 6" 12' 6" 14' 0" 14' 0"  10' 8" 12' 6" 12' 6" 14' 0" 14' 0"	
DATE 11/26/03  DRWG MIDE SID CARLE 15 E HI ENG  LD. 60 PSF  ING 24.0"	DUTILIDARES WITH 2° O" DYERBANG, DR 12" PLYWOOD OVERHANG.  * POR (1) "L" BRACE WITH 104 NAILS AV 2° O.C. IN 18" YEND ZONYS AND 4" O.C. BLYWYSH ZONES.  ** POR (2) "L" BRACES; EPACE MAILS AV 2° O.C. IN 18" YEND ZONYS AND 4" O.C. BLYWYSH ZONES.  ** POR (2) "L" BRACES; BRACE MAILS AV 3" O.C. IN 18" YEND ZONYS AND 4" O.C. BLYWYSH ZONES.  ** POR (2) "L" BRACES; BRACE MAIN AD 80% OF WEB MEMBER LENGTH.  GABLE VERTICAL LENGTH NO BETICE    LESS THAN 4 " D" SUT EXA   LESS THAN 4 " D" BUT EXA   GREATES THAN 11" 6" 2.5X4   HEFFER TO COMMON TEPES BESIEN FOR FEAX, SPALES, AND HEEL PLATES.    REPER TO COMMON TEPES BESIEN FOR FEAX, SPALES, AND HEEL PLATES.	BRACING GROUP SPECIES AND GRADES:  GROUP A:  SPECIES PING-PIN  FIL LEE STANDARD  GROUP B:  FRANDARD  GROUP GROUP  GROUP B:  FRANDARD  GROUP GROUP GROUP  GROUP GROUP GROUP	

BOCKING, REPUBLE ENTERIE CARE IN FARMATING, HANDLING, DESTALLING AND ROOMS, INCIDING PLANS AND ROOMS, INCIDING PLANS AND ROOMS, INCIDING PLANS AND ROOMS, INCIDING PLANS AND ROOMS AND	ASCE 7-02: 130 MPH WIND SPEED, 30' MEAN HEIGHT, ENCLOSED, I = 1    ASCE   ASCE
REF   ASCR7-02-CAB13030     DATE   11/26/03     DWG   MFRE 5970 GABLE 50' E 197     ENG   -ENG     X. TOT. LD. 60 PSF     X. SPACING   24.0"	ERACIR FILL STOWN SPECIES AND GRADES:  12' 3' 12' 3' 12' 3' 12' 8' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0

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BOP CHORD CHORD WEBS 2X4 2X4 2X4 444 BETTER BETTER BETTER

# PIGGYBACK DETAIL

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SWARS

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284

2.5X4

2.6X4

336

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488

**5X**6

930

8X9

REFER TO SEALED DESIGN FOR DASHED PLATES.

TOP AND BOTTOM CHORD SPLICES MUST BE STAGGERED SO THAT ONE SPLICE IS NOT DIRECTLY OVER ANOTHER. SPACE PIGGYBACK VERTICALS AT 4' OC MAX.

PIGGYBACK BOTTOM CHORD MAY BE OMITTED. TRUSS TOP CHORD WITH 1.5X3 PLATE. ATTACH VERTICAL WEBS

ď

ATTACH PURLINS TO TOP OF FLAT TOP CHORD. IF PIGGYBACK IS SOLID LUMBER OR THE BOTTOM CHORD IS OMITTED, PURLINS MAY BE APPLIED BENEATH THE TOP CHORD OF SUPPORTING TRUSS.

REFER TO ENGINEER'S SEALED DESIGN FOR REQUIRED FURLIN SPACING.

THIS DETAIL IS APPLICABLE FOR THE FOLLOWING WIND CONDITIONS: 110 MPH WIND, 30' MEAN HGT, ASCE 7-02, CLOSED BIDG, LOCATED ANYWHERE IN ROOF, 1 MI FROM COAST CAT I, EXP C, WIND TC DI=5 PSF, WIND BC DI=5 PSF

110 MPH WIND, 30' MBAN HGT, FEG ENCLOSED BLDG, LOCATED ANYWHERE IN ROOF WIND TO DL-5 PSF, WIND BC DL-5 PSF

HILDG, LOCATED WIND TO DL=6 NEAN HGT, ASCE 7-02, ANYWHERE IN ROOF, CAT II, PSF, WIND BC DL=6 PSF CLOSED EXP. C

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8 **5**X4

OR SX6 TRULOX AT 4'
HOTATED VERTICALLY

S,

G

EX3

1.5X4

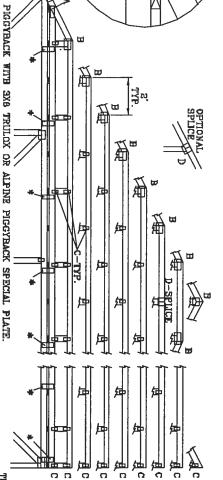
1.6X4

1.6X4 **BX6** 

989

8

FRONT FACE (8,\*) PLATES MAY BE OFFSET FROM BACK FACE PLATES AS LONG AS BOTH FACES ARE SPACED 4' OC MAX. 20' FLAT TOP CHORD MAX SPAN WAX SIZE OF ZXIZ



EITHER PLATE LOCATION IS ACCEPTABLE

ATTACH TRULOX PLATES WITH (6) 0.120° X 1.375" NAILS, OR EQUAL, PER FACE PER PLY. (4) NAILS IN EACH MEMBER TO BE CONNECTED. REFER TO DRAWING 160 TL FOR TRULOX INFORMATION.

10' TO 14'	1
2x4 "T" BRACE. SAME GRADE, SPECIES AS WEB 14' MEMBER, OR BETTER, AND 80% LENGTH OF WEB MEMBER. ATTACH WITH 16d NAILS AT 4° OC,	

\* PIGGYBACK SPECIAL PLATE

ATTACH TEETH TO THE PIGGYBACK AT THE TIME OF PABRICATION. ATTACH TO SUPPORTING TRUSS WILL (4) 0.120" X 1.375" NAILS PER FACE PER PLY. APPLY PIGGYBACK SPECIAL PLATE TO EACH TRUSS FACE AND SPACE 4" OC OR LESS.

અ

THIS DRAWING REPLACES DRAWINGS 634,016 834,017 & 847,045

8 1/4<sup>8</sup>

47 PSF AT 1.15 DUR. FAC 1.25 DUR. 55 PSF AT 1.33 DUR. FAC. MAX LOADING 50 PSF AT 25 DUR. FAC REF DATE DRWGMITEK STD ENG ĭ 09/12/07 PIGGYBACK PIGG

NAX! 12

\*ATTACH

12

CONS. 1456 SW 4th AVENUE DELEAY BEACH, FL 33444—2161 US LEE'S

No: 34868 STATE OF FLORIDA

SPACING

24.0

## VALLEYTRUSS DETAIL

TOP CHORD SHITA 2X4 SP #2 OR SPF #1/#2 OR BETTER. 2X3(\*) OR 2X4 SP #2N OR SPF #1/#2 OR BETTER. 2X4 SP #3 OR BETTER.

- 2X3 MAY BE RIPPED FROM A 2X6 (PITCHED OR SQUARE).
- \* ATTACH EACH VALLEY TO EVERY SUPPORTING TRUSS WITH: ASCE 7-02 130 MPH WIND. 15' MEAN HEIGHT, ENC. BUILDING, EXP. C. RESIDENTIAL, WIND TC DL=5 PSF. FBC 2004 110 MPH, ASCE 7-02 110 MPH WIND ASCE 7-02 130 MPH WIND. 15' MEAN HEIGHT, (2) 16d BOX (0.135" X 3.5") NAILS TOE-NAILED FOR OR (3) 15d ENCLOSED FOR

UNLESS SPECIFIED ON ENGINEER'S SEALED DESIGN, APPLY 1X4 "T"-BRACE, 80% LENGTH OF WEB, VALLEY WEB, SAME SPECIES AND GRADE OR BETTER, ATTACHED WITH 8d BOX (0.113" X 2.5") NAILS AT 6" OC, OR CONTINUOUS LATERAL BRACING, EQUALLY SPACED, FOR VERTICAL VALLEY WEBS GREATER THAN 7'9"

MAXIMUM VALLEY VERTICAL HEIGHT MAY NOT EXCEED 12'0".

TOP CHORD OF TRUSS BENEATH VALLEY SET MUST BE BRACED WITH: PROPERLY ATTACHED, RATED SHEATHING APPLIED PRIOR TO VALLEY INSTALLATION TRUSS

PURLINS AT 24" BY VALLEY TRUSSES USED IN LIEU OF PURLIN SPACING AS SPECIFIED ON ENGINEERS' SEALED DESIGN. OC OR AS OTHERWISE SPECIFIED ON ENGINEERS' SEALED DESIGN

ŧ NOTE THAT THE PURLIN SPACING FOR BRACING THE TOP CHORD OF THE TRUSS BENEATH THE VALLEY IS MEASURED ALONG THE SLOPE OF THE TOP CHORD.

CUT FROM 2X6 OR LARGER AS REQ'D

12 MAX.

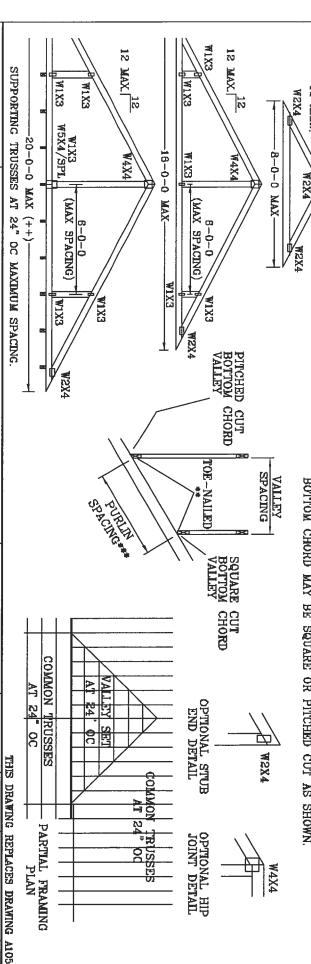
12

4-0-0

XAM.

++ LARGER SPANS MAY BE BUILT AS LONG AS THE VERTICAL HEIGHT DOES NOT EXCEED 12'0".

BOTTOM CHORD MAY BE SQUARE OR PITCHED CUT AS SHOWN



WAVANNIGOM TRUISEES REQUIRE EXTREME (NACE IN FABRICATING, HAMBLING, SHIPPING, INSTALL BARDING SETTER TO EXIST I-DO GRUIDING ESPERIANT SACE IN FABRICANGE AND THE STALL BARDING STALL BARDING STALL BARDING STALL BARDING TO FABRICA, CADO ENTERPORTE UN, HAMESEN, HI 53739 FOR SAFETY PRACTICES PORDRE TO FABRICANGE UN, HAMESEN, HI 53739 FOR SAFETY PRACTICES PORDRE TO FABRICANGE AND MICHIGANIS UNLESS OFTEN PARTICAL BARDICATES, TOP CAPOS SAALL HAVE REPORTENY ATTACKED RIGID SELLING.

			Ď	S COUNCIL S CHARKS		
No: 34889 STATE OF FLORIDA				1455 SW 4th Avenue delray beach, by 25444-2161	INEERS PA.	JULIUS TEE'S
SPACING	DURFAC 1.25	TOT. LD.	BC II	BC DL	TC DL	TC LL
		). 32 40	0	Ü	~2	20 20
24"	1.25		0	Ç'n	15	8
		PSF	PSF	PSF	PSF	PSF REF
			PSF -ENG JL	DRWG	DATE	REF
			JL	PSF DRWG VALTRUSS1103	PSF DATE 11/26/09	VALLEY DETAIL

## TOE-NAIL DETAIL

TOE-NAILS TO BE DRIVEN AT AN ANGLE OF APPROXIMATELY THIRTY DEGREES WITH THE PIECE AND STARTED APPROXIMATELY ONE-THIRD THE LENGTH OF THE NAIL FROM THE END OF THE MEMBER.

PER ANSI/AF&PA NDS-2001 SECTION 12.4.1 — EDGE DISTANCE, END DISTANCE, SPACING: "EDGE DISTANCES, END DISTANCES AND SPACINGS FOR NAILS AND SPIKES SHALL BE SUFFICIENT TO PREVENT SPLITTING OF THE WOOD."

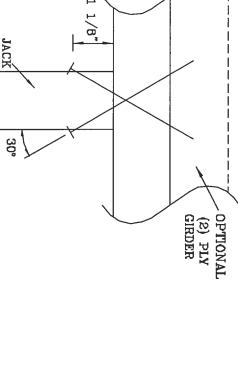
THE NUMBER OF TOE-NAILS TO BE USED IN A SPECIFIC APPLICATION IS DEPENDENT UPON PROPERTIES FOR THE CHORD SIZE, LUMBER SPECIES, AND NAIL TYPE. PROPER CONSTRUCTION PRACTICES AS WELL AS GOOD JUDGEMENT SHOULD DETERMINE THE NUMBER OF NAILS TO BE USED.

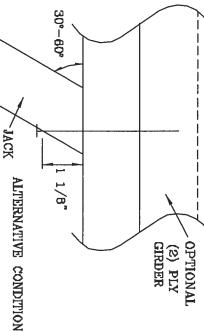
THIS DETAIL DISPLAYS A TOE-NAMED CONNECTION FOR JACK FRAMING INTO A SINGLE OR DOUBLE PLY SUPPORTING GIRDER.

I	
	MUNIXAM
	VERTICAL
	RESISTANCE (
	Ę
	16d ((
	0.162 X3.5
	X3.5")
	COMMON
	ON TOE-NAILS
í	

NUMBER OF	SOUTHE	SOUTHERN PINE	DOUGLAS	DOUGLAS FIR-LARCH	HEM-FIR	-FIR	SPRUCE PINE FIR	PINE FIR
TOE-NAILS	1 PLY	2 PLIES	1 PLY	2 PLIES	1 PLY	2 PLIES	1 PLY	2 PLIES
N	187#	256#	181#	234#	156#	203#	154#	199#
ယ	296#	383#	271#	351#	234#	304#	230#	298#
4	394#	511#	361#	468#	312#	406#	307#	397#
5	493#	639#	452#	585#	390#	507#	384#	498#

ALL VALUES MAY BE MULTIPLIED BY APPROPRIATE DURATION OF LOAD FACTOR.





THIS DRAWING REPLACES DRAWING 784040

	ENVARANCE == TRUSSES REQUIRE EXTREME CARE IN FARRICATING, HANDLING, SHIPPING, INSTALLING AND BRACINE. REPER TO BESS 1-43 COLDLING COMPINENT SAFETY INTERNATION, PUBLISHED BY FPI CIPALS PART INSTITUTE, 383 PUNCHED DG, SUTTE 200, HANDSON, VE 30719, AND VICA KNOOD TRUSS EDLACE. OF ARECOLD, SECTIOPERS LIM, PARESTER, VE 30719, AND VICA KNOOD TRUSS EDLACE. OF ARECOLD SETTEMENT LIM, MAISTRAL TO CHEED STRUCTURE. UNLESS OTHERWISE INDICATED, TOP CHEED SHALL HAVE PERPERLY ATTACHED RECOLD CILING.  STRUCTURAL PARELS AND BRITCH CHORD SHALL HAVE A PRIPERLY ATTACHED RECOLD CILING.						
STATE OF FLORIDA	No: 34889 STATE OF FLORIDA			1450 ST 4th AVENUE DELRAY SEACH, FL SS444-2181	CONS. ENGINEERS P.A.	S, HH'I SIN'IIII'	
SPACING	DUR. FAC.	TOT. LD.	BC LL	BC DL	TC DL	TC LL	
	1.00	PSF	PSF	PSF	PSF	PSF REF	
			-ENG JL	DRWG	DATE	REF	
			Л	DRWG CNTONAIL1103	DATE 09/12/07	TOE-NAIL	

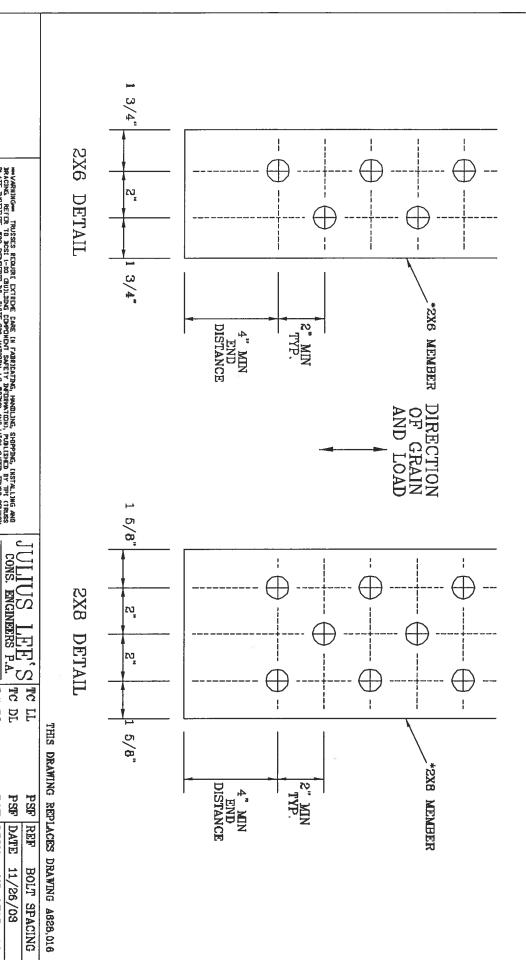
## DIAMETER BOLT SPACING FOR LOAD APPLIED PARALLEL TO GRAIN

GRADE AND SPECIES AS SPECIFIED ON THE ALPINE DESIGN

BOLT HOLES SHALL BE A MINIMUM OF 1/52" TO A MAXIMUM OF 1/16" LARGER THAN BOLT DIAMETER.

TYPICAL LOCATION OF 1/2" DIAMETER THRU BOLTS. QUANTITIES AS NOTED ON SEALED DESIGN MUST BE IN ONE OF THE PAITERNS SHOWN BELOW.

WASHERS REQUIRED UNDER BOLT HEAD AND NUT



MEMORANIGAM TRUSSES REGURE EXTREME EMPENET SARE IN FABRINTNG, HANDLING, SHIPPING, INSTALLING AND MANUAL REFER TO DOSI 1-30 DUILLING EDPONENT SARETY BARRINTON, PUBLISED BY THE (TRUSS PLAIT INSTITUTE, 393 CONDITION DIE, SUITE 280, MAUSEN, V. 13759 AND WICH AVEID TRUSS COUNCIL OF AMERICA, 6300 ENTERPOSE LM, MANISON, VI. 137795 FIR SAFETY PARCYTEES PRINT TO PERFERONGE THESE FUNCTIONS. ULLESS OFTERVASE AUGUSTED, TOT EXPRES SAALL HAVE PORTRELY ATTACHED STRUCTURAL FARELS AND MOTITOR CHORD SHALL HAVE A PROPERLY ATTACHED RIGHD CELLING.

ح CONS.

DELEAT SEACH, FL 33444-2161

BC DL TC DL

PSS

DATE

DRWG -ENG

> CNB0LTSP1103 11/26/03

BC II

PSF

PSF PSS

Ħ

No: 34869 STATE OF FLORIDA

SPACING

DUR. FAC TOT. LD.

# TRULOX CONNECTION DETAIL

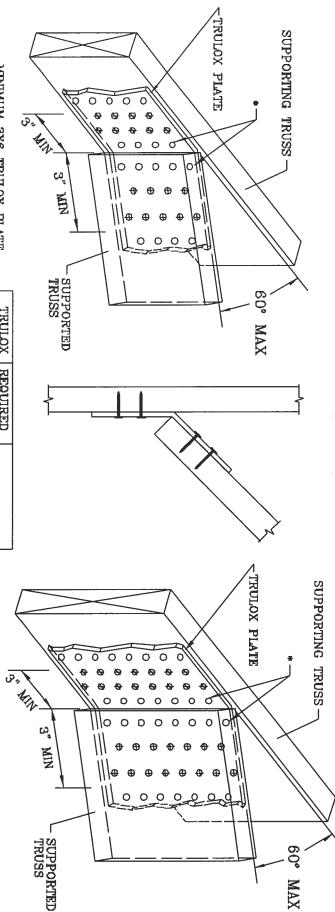
11 GAUGE (0.120" X 1.375") NAILS REQUIRED FOR TRULOX PLATE ATTACHMENT. FILL ROWS COMPLETELY WHERE SHOWN (+).

\* NAILS MAY BE OMITTED FROM THESE ROWS.

THIS DETAIL MAY BE USED WITH SO, PINE, DOUGLAS-FIR OR HEM-FIR CHORDS WITH A MINIMUM 1.00 DURATION OF LOAD OR SPRUCE-PINE-FIR CHORDS WITH A MINIMUM 1.15 DURATION OF LOAD. CHORD SIZE OF BOTH TRUSSES MUST EXCEED THE TRULOX PLATE WIDTH.

TRULOX PLATE IS CENTERED ON THE CHORDS AND BENT BETWEEN NAIL ROWS.

REFER TO ENGINEER'S SEALED DESIGN REFERENCING THIS DETAIL FOR LUMBER, PLATES, AND OTHER INFORMATION NOT SHOWN.



\*\*WARNING\*\*\* TRUSSES REQUIRE EXTRIDE CARE IN FABRICATING, HAVILLING, SHIPPING, INSTALLING AND RACING REFER TIL DESI 1-00 (BUILLING EXPENDINT SAFETY INFORMATION, PUBLISHED BY TIP) (TRUSS PLATE INSTALLING, SAR DYNORRID BO, MATERN, MARIEDN, L. 337199 AND VICA (VICID INFUSS COUNCIL OF AMERICA, CARD DYTCA (VICID INFUSS COUNCIL OF AMERICA, CARD CONTROL OF AMERICAN (INFORMATION) FOR SAFETY PROCTICES PROJECT AT ACKED THESE THEORY OF THE SAFETY OF THE SAF

MINIMUM 3X6 TRULOX PLATE

TRULOX PLATE SIZE

REQUIRED NAILS PER TRUSS

MAXIMUM LOAD
UP OR DOWN

3X6

16 9

350# 990#

CONS. ENGINEERS PA.

1455 SW 444 AND THE CONSTRUCTION OF THE CONST

1,154,944 1,152,217 1,152,017

THIS DRAWING REPLACES DRAWINGS 1,168,989 1,158,989/R

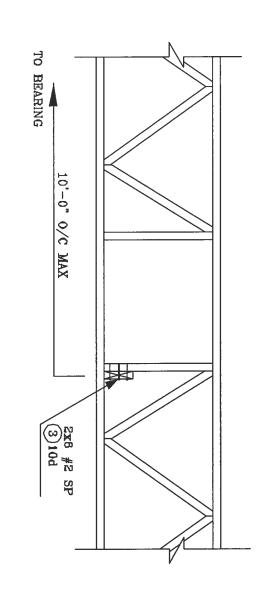
1,159,154 & 1,151,524

MINIMUM 5X6 TRULOX PLATE

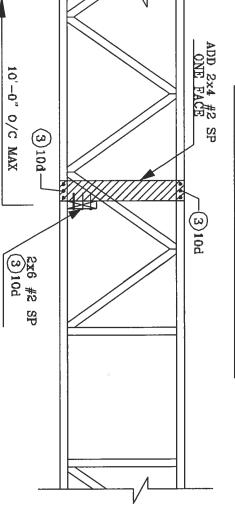
No: 34869 STATE OF FLORIDA

DATE 11/26/09
DRWG CNTRULOX1103
-ENG JL

# STRONG BACK DETAIL SYSTEM-42 OR FLAT TRUSS



# ALTERNATE DETAIL FOR STRONG BACK WITH VERTICAL NOT LINING UP



ULIUS LEE'S

1455 SW 4th AVENUE No: 84869 STATE OF FLORIDA

TO BEARING