

Project Information for:

L246421

Builder:

PRUDENTIAL BLDRS.

Lot:

9 13

Subdivision:

HUNNINGTON PLACE COLUMBIA COUNTY

County: Truss Count:

Design Program: MiTek 20/20 6.3 **Building Code:**

FBC2004/TPI2002

Truss Design Load Information: Gravity:

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:

JUSTIN FITZHUGH Florida License No. CRC1328401

Address: P.O. BOX 3333, LAKE CITY,, FL

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

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

Notes:

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J1869344

T14

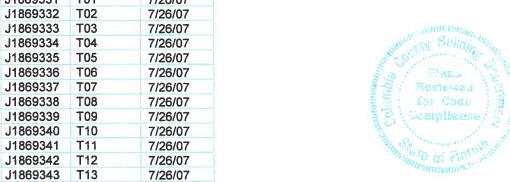
7/26/07

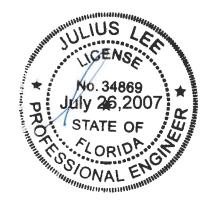
1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1-2002 Section 2.2

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.	Drwg. #	Truss ID	Date	No.	Drwg. #	Truss ID	Date
1	J1869317	CJ1	7/26/07	29	J1869345	T15	7/26/07
2	J1869318	CJ3	7/26/07	30	J1869346	T16	7/26/07
3	J1869319	CJ5	7/26/07	31	J1869347	T17	7/26/07
4	J1869320	EJ3	7/26/07	32	J1869348	T18	7/26/07
5	J1869321	EJ5	7/26/07	33	J1869349	T18A	7/26/07
6	J1869322	EJ7	7/26/07	34	J1869350	T19	7/26/07
7	J1869323	EJ7A	7/26/07	35	J1869351	T19A	7/26/07
8	J1869324	HJ4	7/26/07	36	J1869352	T19G	7/26/07
9	J1869325	HJ7	7/26/07	37	J1869353	T20	7/26/07
10	J1869326	HJ9	7/26/07	38	J1869354	T21	7/26/07
11	J1869327	PB01	7/26/07	39	J1869355	T22	7/26/07
12	J1869328	PB02	7/26/07	40	J1869356	T22A	7/26/07
13	J1869329	PB03	7/26/07	41	J1869357	T22G	7/26/07
14	J1869330	PB04	7/26/07				
15	J1869331	T01	7/26/07				
16	J1869332	T02	7/26/07				







Project Information for:

L246421

Builder:

PRUDENTIAL BLDRS.

Lot:

Subdivision:

HUNNINGTON PLACE

County:

COLUMBIA COUNTY

Truss Count:

41

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

Roof (psf): 42.0

Wind Standard: ASCE 7-02

Wind Exposure: B

July 26,2007

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:

JUSTIN FITZHUGH Florida License No. CRC1328401

Address: P.O. BOX 3333, LAKE CITY,, FL

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

Notes:

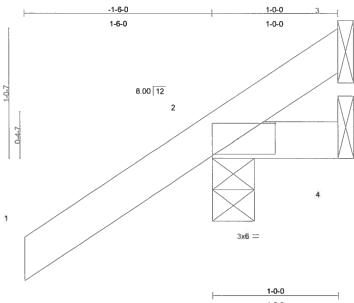
Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

- 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.	Drwg. #	Truss ID	Date	No.	Drwg. #	Truss ID	Date
1	J1869317	CJ1	7/26/07	29	J1869345	T15	7/26/07
2	J1869318	CJ3	7/26/07	30	J1869346	T16	7/26/07
3	J1869319	CJ5	7/26/07	31	J1869347	T17	7/26/07
4	J1869320	EJ3	7/26/07	32	J1869348	T18	7/26/07
5	J1869321	EJ5	7/26/07	33	J1869349	T18A	7/26/07
6	J1869322	EJ7	7/26/07	34	J1869350	T19	7/26/07
7	J1869323	EJ7A	7/26/07	35	J1869351	T19A	7/26/07
8	J1869324	HJ4	7/26/07	36	J1869352	T19G	7/26/07
9	J1869325	HJ7	7/26/07	37	J1869353	T20	7/26/07
10	J1869326	HJ9	7/26/07	38	J1869354	T21	7/26/07
11	J1869327	PB01	7/26/07	39	J1869355	T22	7/26/07
12	J1869328	PB02	7/26/07	40	J1869356	T22A	7/26/07
13	J1869329	PB03	7/26/07	41	J1869357	T22G	7/26/07
14	J1869330	PB04	7/26/07				
15	J1869331	T01	7/26/07				
16	J1869332	T02	7/26/07				
17	J1869333	T03	7/26/07				
18	J1869334	T04	7/26/07				
19	J1869335	T05	7/26/07				
20	J1869336	T06	7/26/07				
21	J1869337	T07	7/26/07				
22	J1869338	T08	7/26/07				
23	J1869339	T09	7/26/07				
24	J1869340	T10	7/26/07				
25	J1869341	T11	7/26/07				
26	J1869342	T12	7/26/07				
27	J1869343	T13	7/26/07				
28	J1869344	T14	7/26/07				

Job	Truss	Truss Type	Qty	Ply	PRUDENTIAL BUILDERS
1.040404	0.11	LACK	40		J1869317
L246421	CJ1	JACK	10	1	Job Reference (optional)

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1-0-0

Plate Off	sets (X,Y): [2:0-3-9,0-1-8]		7								
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	0.16	Vert(LL)	-0.00	` ź	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	ВС	0.01	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	(Mati	rix)	, ,					Weight: 6 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

1-0-0 oc purlins.

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

bracing.

(lb/size) 2=180/0-4-0, 4=5/Mechanical, 3=-41/Mechanical REACTIONS

Max Horz 2=94(load case 6)

Max Uplift 2=-201(load case 6), 4=-11(load case 4), 3=-41(load case 1) Max Grav 2=180(load case 1), 4=14(load case 2), 3=70(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/44, 2-3=-55/48

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 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 Continued on page 2



July 26,2007

Scale = 1.8.9



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	PRUDENTIAL BUILDERS
1040404	C14	la OK	40		J1869317
L246421	CJ1	JACK	10	1	
					Job Reference (optional)

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NOTES

4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 201 lb uplift at joint 2, 11 lb uplift at joint 4 and 41 lb uplift at joint 3.

LOAD CASE(S) Standard

Julium Less Truss Cossion Endinser Highlight Pill 140 Sheep High Chestel Rey Mich Howard Reservice



1	Job	Truss	Truss Type	Qty	Ply	PRUDENTIAL BUILDERS	
1	1010101	0.10	14.014			J18	369318
1	L246421	CJ3	JACK	р	1	Joh Beforence (actional)	
						Job Reference (optional)	

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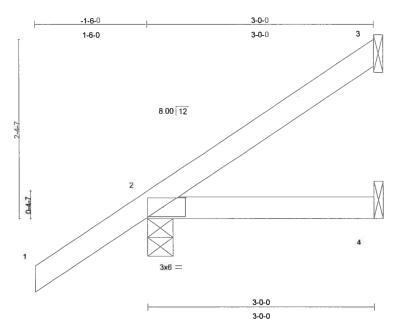


Plate Of	fsets (X,)	′): [2:0-3-9,0-1-8]										
LOADIN	IG (psf)	SPACING	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.18	Vert(LL)	0.01	2-4	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	ВС	0.08	Vert(TL)	-0.01	2-4	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/Ti	PI2002	(Mat	rix)	, ,					Weight: 13 lb)
LUMBE	_			1		DDACING					1	

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=48/Mechanical, 2=206/0-4-0, 4=14/Mechanical

Max Horz 2=154(load case 6)

Max Uplift 3=-47(load case 6), 2=-177(load case 6), 4=-33(load case 4) Max Grav 3=48(load case 1), 2=206(load case 1), 4=42(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/45, 2-3=-60/19

BOT CHORD 2-4=0/0

JOINT STRESS INDEX

2 = 0.12

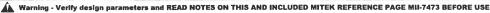
NOTES

- 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; 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.
- 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

Trues Design Engineer Florids FE No. 34888 4476 Ensist Bay Rivel Boynton Wesch. 12 50436

July 26,2007

Scale = 1,14,8



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Job	Truss	Truss Type	Qty	Ply	PRUDENTIAL BUILDERS
L246421	CJ3	JACK	6	1	J1869318
22.072.		5,15,1		'	Job Reference (optional)

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NOTES

4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 47 lb uplift at joint 3, 177 lb uplift at joint 2 and 33 lb uplift at joint 4.

LOAD CASE(S) Standard



Ì	Job	Truss	Truss Type	Qty	Ply	PRUDENTIAL BUILDERS
	1040404	0.15	IA OK			J1869319
	L246421	CJ5	JACK	4	1	Joh Deference (entional)
						Job Reference (optional)

6.300 s Feb 15 2006 MiTek Industries, Inc. Wed Jul 25 12:55:22 2007 Page 1

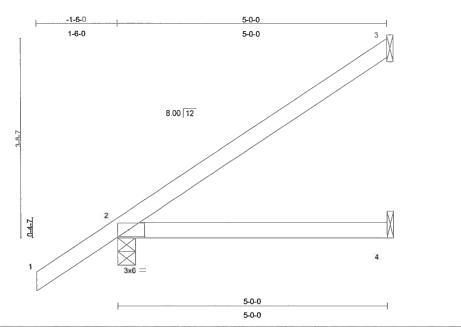


Plate Off	fsets (X,Y	(): [2:0-3-9,0-1-8]										
LOADIN	G (psf)	SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	тс	0.22	Vert(LL)	-0.03	2-4	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.16	Vert(TL)	-0.05	2-4	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TF	212002	(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 F

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

REACTIONS (lb/size) 3=113/Mechanical, 2=258/0-4-0, 4=24/Mechanical

Max Horz 2=215(load case 6)

Max Uplift 3=-121(load case 6), 2=-138(load case 6)

Max Grav 3=113(load case 1), 2=258(load case 1), 4=72(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/45, 2-3=-100/50

BOT CHORD 2-4=0/0

JOINT STRESS INDEX

2 = 0.14

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

Julium Law Tripe Copign Chainger Flance ME No alman 1400 Cheele May Alve Noviton Weech, FL 19415

July 26,2007

Scale = 1.20 6



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Job	Truss	Truss Type	Qty	Ply	PRUDENTIAL BUILDERS
L246421	CJ5	JACK	4	1	J1869319
L240421	CJ5	JACK	4	'	Job Reference (optional)

6.300 s Feb 15 2006 MiTek Industries, Inc. Wed Jul 25 12:55:22 2007 Page 2

NOTES

4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 121 lb uplift at joint 3 and 138 lb uplift at joint 2.

LOAD CASE(S) Standard



Job	Truss	Truss Type	Qty	Ply	PRUDENTIAL BUILDERS
L246421	EJ3	JACK	5	1	J1869320
		or cont			Job Reference (optional)

6.300 s Feb 15 2006 MiTek Industries, Inc. Wed Jul 25 12:55:23 2007 Page 1

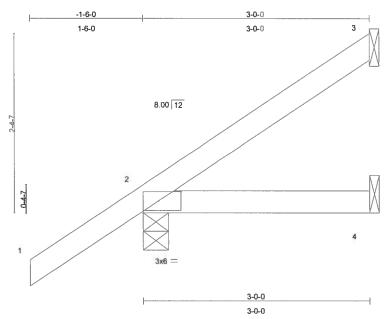


Plate Offsets (X,Y): [2:0-3-9,0-1-8] **SPACING** 2-0-0 **GRIP** LOADING (psf) CSI DEFL in (loc) I/defl L/d **PLATES TCLL** 20.0 1.25 TC 0.18 Vert(LL) >999 360 MT20 Plates Increase -0.002-4 244/190 **TCDL** 7.0 1.25 BC 0.05 Vert(TL) -0.01 >999 240 Lumber Increase 2-4 **BCLL** 10.0 * Rep Stress Incr YES **WB** 0.00 Horz(TL) -0.00 3 n/a n/a **BCDL** Code FBC2004/TPI2002 Weight: 13 lb 5.0 (Matrix)

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=48/Mechanical, 2=206/0-4-0, 4=14/Mechanical

Max Horz 2=154(load case 6)

Max Uplift 3=-47(load case 6), 2=-143(load case 6)

Max Grav 3=48(load case 1), 2=206(load case 1), 4=42(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/45, 2-3=-60/19

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 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 Continued on page 2

July 26,2007

Scale = 1 14 8

🛦 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	PRUDENTIAL BUILDERS	
L246421	EJ3	JACK	5	1		J1869320
				<u> </u>	Job Reference (optional)	

6.300 s Feb 15 2006 MiTek Industries, Inc. Wed Jul 25 12:55:23 2007 Page 2

NOTES

4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 47 lb uplift at joint 3 and 143 lb uplift at joint 2.

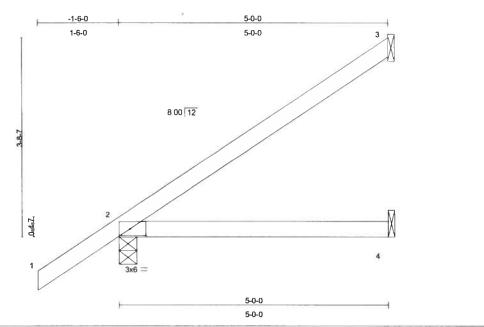
LOAD CASE(S) Standard

Julius Lass Pries Design Logingson Plands Pin No Sinsus 11CG presid Piny (Nort



Job	Truss	Truss Type	Qty	Ply	PRUDENTIAL BUILDERS
L246421	EJ5	JACK	1	1	J1869321
L240421	EJO	JACK	'	'	Job Reference (optional)

6.300 s Feb 15 2006 MiTek Industries, Inc. Wed Jul 25 12:55:23 2007 Page 1



ts (X,Y): [2:0-3-9,0-1-8]		_								
(psf)	SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
20.0	Plates Increase	1.25	TC	0.22	Vert(LL)	0.09	2-4	>672	360	MT20	244/190
7.0	Lumber Increase	1.25	BC	0.24	Vert(TL)	-0.05	2-4	>999	240		
10.0	* Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
5.0	Code FBC2004/TF	212002	(Mati	rix)	,					Weight: 19 lb	
	(psf) 20.0 7.0 10.0	(psf) SPACING 20.0 Plates Increase 7.0 Lumber Increase 10.0 * Rep Stress Incr	(psf) SPACING 2-0-0 20.0 Plates Increase 1.25 7.0 Lumber Increase 1.25 10.0 * Rep Stress Incr YES	(psf) SPACING 2-0-0 CSI 20.0 Plates Increase 1.25 TC 7.0 Lumber Increase 1.25 BC 10.0 * Rep Stress Incr YES WB	(psf) SPACING 2-0-0 CSI 20.0 Plates Increase 1.25 TC 0.22 7.0 Lumber Increase 1.25 BC 0.24 10.0 * Rep Stress Incr YES WB 0.00	(psf) SPACING 2-0-0 CSI DEFL 20.0 Plates Increase 1.25 TC 0.22 Vert(LL) 7.0 Lumber Increase 1.25 BC 0.24 Vert(TL) 10.0 * Rep Stress Incr YES WB 0.00 Horz(TL)	(psf) SPACING 2-0-0 CSI DEFL in 20.0 Plates Increase 1.25 TC 0.22 Vert(LL) 0.09 7.0 Lumber Increase 1.25 BC 0.24 Vert(TL) -0.05 10.0 * Rep Stress Incr YES WB 0.00 Horz(TL) -0.00	(psf) SPACING 2-0-0 CSI DEFL in (loc) 20.0 Plates Increase 1.25 TC 0.22 Vert(LL) 0.09 2-4 7.0 Lumber Increase 1.25 BC 0.24 Vert(TL) -0.05 2-4 10.0 * Rep Stress Incr YES WB 0.00 Horz(TL) -0.00 3	(psf) SPACING 2-0-0 CSI DEFL in (loc) I/defl 20.0 Plates Increase 1.25 TC 0.22 Vert(LL) 0.09 2-4 >672 7.0 Lumber Increase 1.25 BC 0.24 Vert(TL) -0.05 2-4 >999 10.0 * Rep Stress Incr YES WB 0.00 Horz(TL) -0.00 3 n/a	(psf) SPACING 2-0-0 CSI DEFL in (loc) I/defl L/d 20.0 Plates Increase 1.25 TC 0.22 Vert(LL) 0.09 2-4 >672 360 T.0 Lumber Increase 1.25 BC 0.24 Vert(TL) -0.05 2-4 >999 240 T.0.0 * Rep Stress Incr YES WB 0.00 Horz(TL) -0.00 3 n/a n/a	(psf) SPACING 2-0-0 CSI DEFL in (loc) l/defl L/d PLATES 20.0 Plates Increase 1.25 TC 0.22 Vert(LL) 0.09 2-4 >672 360 MT20 7.0 Lumber Increase 1.25 BC 0.24 Vert(TL) -0.05 2-4 >999 240 10.0 * Rep Stress Incr YES WB 0.00 Horz(TL) -0.00 3 n/a n/a

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=113/Mechanical, 2=258/0-4-0, 4=24/Mechanical

Max Horz 2=215(load case 6)

Max Uplift 3=-121(load case 6), 2=-198(load case 6), 4=-56(load case 4) Max Grav 3=113(load case 1), 2=258(load case 1), 4=72(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/45, 2-3=-100/50

BOT CHORD 2-4=0/0

JOINT STRESS INDEX

2 = 0.14

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; 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 Continued on page 2

Julium Law Pruse Coesan Charost Planda Per No. osteob 1860 Coesan Pay Plan Gaynos Beside, Fl. obspoi

July 26,2007

Scale = 1.20.6



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 IIIB-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	PRUDENTIAL BUILDERS	
						J1869321
L246421	EJ5	JACK	1	1		
					Job Reference (optional)	

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NOTES

4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 121 lb uplift at joint 3, 198 lb uplift at joint 2 and 56 lb uplift at joint 4.

LOAD CASE(S) Standard

Julius Les Truss Cesign Engineer Florida Fix No. 3-1292 1406 Chastel May Alvi Gevilon 18820n. N. 20416



Job	Truss	Truss Type	Qty	Ply	PRUDENTIAL BUILDERS
L246421	EJ7	MONO TRUSS	20	1	J1869322
		merte mese			Job Reference (optional)

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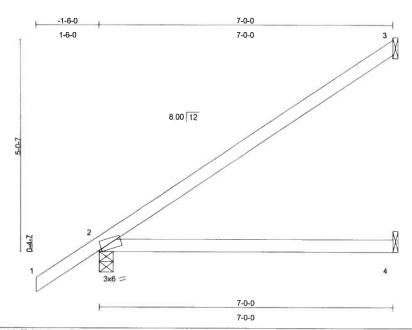


Plate Of	fsets (X,Y	'): [2:0-0-12,Edge]			-	_						
LOADIN	G (psf)	SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.41	Vert(LL)	0.09	2-4	>877	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	ВС	0.29	Vert(TL)	-0.17	2-4	>479	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TF	2002	(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=157/Mechanical, 2=318/0-4-0, 4=49/Mechanical

Max Horz 2=198(load case 6)

Max Uplift 3=-106(load case 6), 2=-90(load case 6)

Max Grav 3=157(load case 1), 2=318(load case 1), 4=95(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/45, 2-3=-133/68

BOT CHORD 2-4=0/0

JOINT STRESS INDEX

2 = 0.76

NOTES

- 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.
- 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 106 Coltinged and 90 lb uplift at joint 2.

Julius Luss Touse Cupsign (Indires Plands Pis Ide Indises 1496 Chestal Bay Mich Worten Wesign, H. 2040c

July 26,2007

Scale = 1.26.5



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 8CSI-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	PRUDENTIAL BUILDERS	Ī
L246421	EJ7	MONO TRUSS	20	1	J1869322	
LE40421	20,	INICITE TROOP		•	Job Reference (optional)	

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LOAD CASE(S) Standard

Julium Less Truss Coston (Indinost Flatica Fill No. 31888 1100 Chestal Ray Blood Boynion Wason, Fl. 25425



Job	Truss	Truss Type	Qty	Ply	PRUDENTIAL BUILDERS	
L246421	EJ7A	COMMON	2	1	J18693	323
L240421	LUTA	COMMON		'	Job Reference (optional)	

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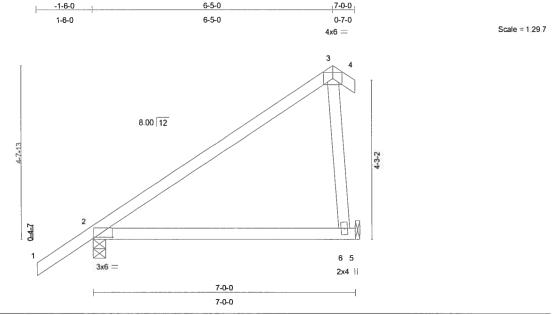


Plate Of	fsets (X,Y): [2:0-6-3,0-0-6]										
LOADIN	IG (psf)	SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.34	Vert(LL)	-0.07	2-6	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.26	Vert(TL)	-0.14	2-6	>551	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.06	Horz(TL)	-0.00	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TF	PI2002	(Mat	rix)	, ,					Weight: 32 lb	
				i		Į.						

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=311/0-4-0, 6=217/Mechanical

Max Horz 2=172(load case 6)

Max Uplift 2=-104(load case 6), 6=-91(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/45, 2-3=-123/50, 3-4=0/17

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

WEBS 3-6=-170/176

JOINT STRESS INDEX

2 = 0.63, 3 = 0.07 and 6 = 0.10

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

July 26,2007



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Job	Truss	Truss Type	Qty	Ply	PRUDENTIAL BUILDERS
L246421	EJ7A	COMMON	2	1	J1869323
L240421	LUTA	COMMON		'	Job Reference (optional)

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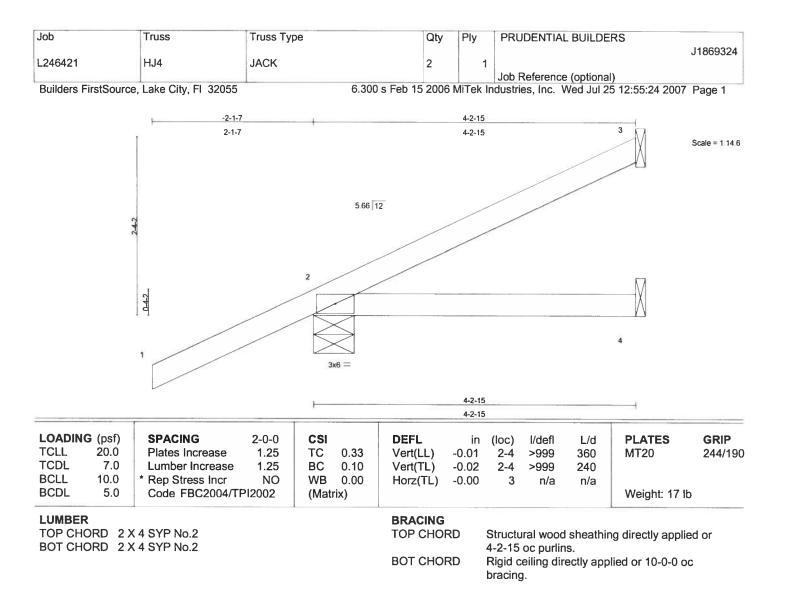
NOTES

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 104 lb uplift at joint 2 and 91 lb uplift at joint 6.

LOAD CASE(S) Standard

Jahus Lee Truss (Leside Endress Planda PE No 3-1989 1406 Chastel May Nicri Goymon Gesch, FL 22425





REACTIONS (lb/size) 3=38/Mechanical, 2=217/0-6-7, 4=14/Mechanical

Max Horz 2=105(load case 5)

Max Uplift 3=-16(load case 5), 2=-180(load case 5)

Max Grav 3=38(load case 1), 2=217(load case 1), 4=53(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/48, 2-3=-37/10

BOT CHORD 2-4=0/0

JOINT STRESS INDEX

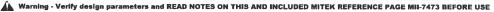
2 = 0.10

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.
- 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 16 lb uplift at joint 3 and 180 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

Julium Law Prupe (Jepagn Chadrager Plarida PR Tub 고기점인다 1486 Cassetal Rey River MOVICH 참축적으면, 부모 당습하다.

July 26,2007



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	PRUDENTIAL BUILDERS
L246421	ши	JACK	2		J186932
L240421	HJ4	JACK	2		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=-4(F=25, B=25)-to-3=-57(F=-2, B=-2), 2=0(F=5, B=5)-to-4=-11(F=-0, B=-0)



Job	Truss	Truss Type		Qty	Ply	PRI	JDENTIA	L BUILDEF	RS	J1869325
L246421	HJ7	MONO TRU	JSS	1		1				31009323
						Job	Reference	e (optional)		
Builders FirstSour	ce, Lake City, FI 32055		6.300	s Feb 15 200	6 MiTek	Industr	ies, Inc. \	Ned Jul 25	12:55:25 2007	Page 1
	-2-1-7	+	3-8-3				7-0-14	<u> </u>		
	2-1-7		3-8-3				3-4-11		3 M	Scale = 1.20.5
								//		
			5 00 -							
			5.66 1	2						
	7.4				//					
	7									
			///							
		2							П	
	0-4-2		-						——	
	1 4									
									4	
	1	3x6 =								
			3-8-3		-		7-0-14			
<u></u>			3-8-3				3-4-11			
LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.45	Vert(LL)	0.13		>648	360	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.29	Vert(TL)	-0.15		>557	240	141120	2771130
BCLL 10.0	* Rep Stress Incr	NO	WB 0.00	Horz(TL)	-0.00		n/a	n/a		
BCDL 5.0	Code FBC2004/T	PI2002	(Matrix)	, ,					Weight: 26 I	b
LUMPED		1		DDAONG						
LUMBER TOP CHORD 2	Y A SVP No 2			BRACING TOP CHO		Struct	iral wood	l choathin	g directly appli	od or
BOT CHORD 2				TOF CHC	טאיי		oc purlir		у инеспу арри	eu Oi
DOT OFFICIAL 2	7 - O 11 110.2			вот сно					ied or 10-0-0 o	
				BUI UHI	KIJ	Rigina	:eilina air	ectiv anni	10-0-11 C	C .

bracing.

REACTIONS (lb/size) 3=191/Mechanical, 2=287/0-6-7, 4=45/Mechanical

Max Horz 2=201(load case 5)

Max Uplift 3=-184(load case 5), 2=-256(load case 5), 4=-58(load case 6) Max Grav 3=191(load case 1), 2=287(load case 1), 4=98(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/48, 2-3=-105/57

BOT CHORD 2-4=0/0

JOINT STRESS INDEX

2 = 0.42

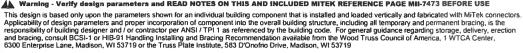
NOTES

- 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 184 lb uplift at joint 3, 256 lb uplift at joint 2 and 58 lb uplift at joint 4.

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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	PRUDENTIAL BUILDERS	
						J1869325
L246421	HJ7	MONO TRUSS	1	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)

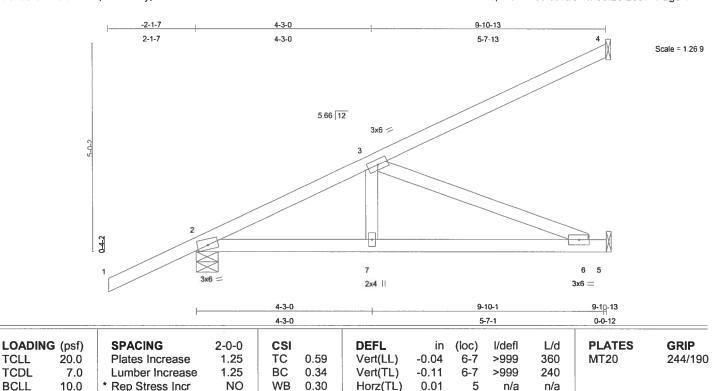
Vert: 2=-4(F=25, B=25)-to-3=-95(F=-21, B=-21), 2=0(F=5, B=5)-to-4=-18(F=-4, B=-4)

Julium Law Truks (Ceston Choinear Planton Pie No Indepen 1480 Chestal Ray Mori Noviton Teath, 1-L 16416



Job	Truss	Truss Type	Qty	Ply	PRUDENTIAL BUILDERS
					J1869326
L246421	HJ9	MONO TRUSS	2	1	
					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 **WEBS** 2 X 4 SYP No.3

5.0

BRACING

TOP CHORD Structural wood sheathing directly applied or

6-0-0 oc purlins.

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

bracing.

REACTIONS (lb/size) 4=264/Mechanical, 2=409/0-6-7, 5=231/Mechanical

Max Horz 2=343(load case 5)

Code FBC2004/TPI2002

Max Uplift 4=-266(load case 5), 2=-186(load case 5), 5=-96(load case 5)

(Matrix)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/48, 2-3=-552/57, 3-4=-149/82 **BOT CHORD** 2-7=-330/491, 6-7=-330/491, 5-6=0/0

WEBS 3-7=0/196, 3-6=-527/355

JOINT STRESS INDEX

2 = 0.82, 3 = 0.15, 6 = 0.14 and 7 = 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; 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 266 Ib uplift at joint 4, 186 lb uplift at joint 2 and 96 lb uplift at joint 5.
- 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

Weight: 45 lb

July 26,2007

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	PRUDENTIAL BUILDERS	
L246421	HJ9	MONO TRUSS	2	1	J1869326	1
L240421	1139	INIONO TROSS	_	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)

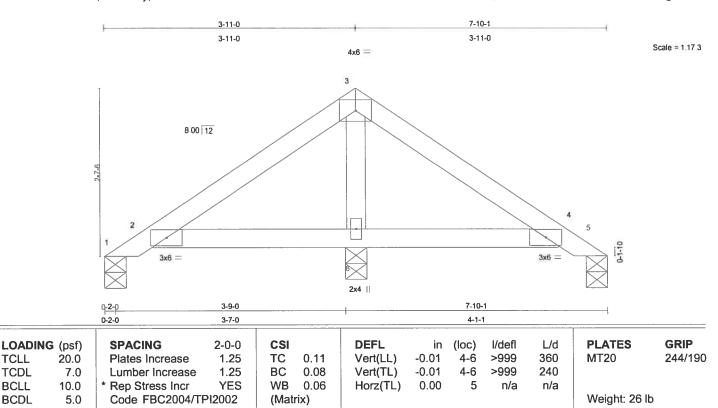
Vert: 2=-4(F=25, B=25)-to-4=-134(F=-40, B=-40), 2=0(F=5, B=5)-to-5=-25(F=-7, B=-7)

Julium Lam Trupe (Doseon Enginosi Historia Maria o-Issa) Historia Comments (Bay Alve)



Job	Truss	Truss Type	Qty	Ply	PRUDENTIAL BUILDERS	
						J1869327
L246421	PB01	VALLEY	3	1		
					Job Reference (optional)	

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LUMBER

TOP CHORD 2 X 4 SYP No.2

BOT CHORD 2 X 4 SYP No.2

OTHERS 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) 1=39/0-4-0, 6=404/0-4-0, 5=39/0-4-0

Max Horz 6=-69(load case 4)

Max Uplift 1=-16(load case 5), 6=-77(load case 7), 5=-16(load case 4) Max Grav 1=64(load case 10), 6=404(load case 1), 5=64(load case 11)

FORCES (lb) - Maximum Compression/Maximum Tension

1-2=-30/13, 2-3=-73/177, 3-4=-73/177, 4-5=-30/13 TOP CHORD

BOT CHORD 2-6=-100/121, 4-6=-100/121

WEBS 3-6=-334/220

JOINT STRESS INDEX

2 = 0.28, 3 = 0.26, 4 = 0.28 and 6 = 0.12

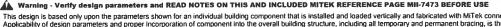
NOTES

- 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

July 26,2007

Continued on page 2



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	PRUDENTIAL BUILDERS	
L246421	PB01	VALLEY	3	1		J1869327
2240421	1 501		0	'	Job Reference (optional)	

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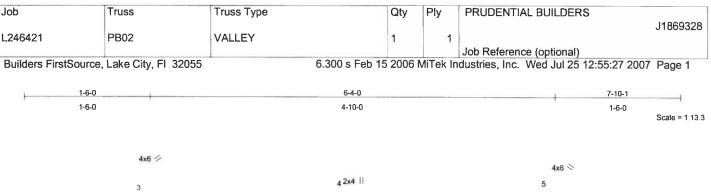
NOTES

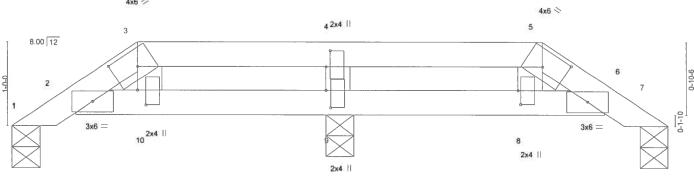
- 5) Bearing at joint(s) 1, 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 16 lb uplift at joint 1, 77 lb uplift at joint 6 and 16 lb uplift at joint 5.
- 7) SEE MITEK STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS

LOAD CASE(S) Standard

Julium Lee Press Comean Charopr Pichaic Pin No alimb 1488 Common Bay Bled Daynian wakan, st. 22422







3-9-0	7-10-1
3-9-0	4-1-1

Plate Of	fsets (X,Y): [3:0-3-8,0-2-5], [4:	0-2-4,0-0-	10], [5:0	-3-6,0-2	-6], [8:0-2-0,0	-0-6], [9	:0-2-7,0)-0-11], [10:0-2-2,	0-1-3]	
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	0.10	Vert(LL)	0.01		>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.09	Vert(TL)	-0.01	8	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.05	Horz(TL)	0.01	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TF	PI2002	(Mat	rix)	, ,					Weight: 23 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.
WEBS	2 X 4 SYP No.3	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc
			bracing.

REACTIONS (lb/size) 1=113/0-4-0, 9=255/0-4-0, 7=114/0-4-0

Max Horz 1=-25(load case 4)

Max Uplift 1=-25(load case 5), 9=-84(load case 5), 7=-30(load case 4)
Max Grav 1=113(load case 10), 9=255(load case 1), 7=115(load case 11)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-55/43, 2-3=-132/101, 3-4=-110/102, 4-5=-110/102, 5-6=-132/101, 6-7=-56/44

BOT CHORD 2-10=-65/113, 9-10=-56/110, 8-9=-56/110, 6-8=-66/113

WEBS 4-9=-179/185, 3-10=-14/36, 5-8=-16/38

JOINT STRESS INDEX

2 = 0.18, 3 = 0.06, 4 = 0.09, 5 = 0.04, 6 = 0.18, 8 = 0.03, 9 = 0.10 and 10 = 0.02

NOTES

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

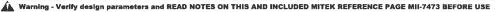
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.

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 ColiMBued on page 2

Hines Ceston Chomeer Tiges Ceston Chomes Tighola PE No Mellen Tighola Chestal Rey Filter Techniques

July 26,2007



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Job	Truss	Truss Type	Qty	Ply	PRUDENTIAL BUILDERS	
L246421	PB02	VALLEY	1	1	J1869328	3
L240421	I BOZ	VALLET	'	'	Job Reference (optional)	

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NOTES

- 5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 6) Bearing at joint(s) 1, 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 25 lb uplift at joint 1, 84 lb uplift at joint 9 and 30 lb uplift at joint 7.
- 8) SEE MITEK STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS

LOAD CASE(S) Standard

Julium Leem Fries (Design Chgineer Plands PM Plan Stmatt I the Chestal They Mive Doynlon Gemath, FL butte Doynlon Gemath, FL butte



PRUDENTIAL BUILDERS Truss Type Ply Job Truss Qty J1869329 L246421 **PB03** VALLEY Job Reference (optional) Builders FirstSource, Lake City, FI 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Wed Jul 25 12:55:27 2007 Page 1 3-6-0 7-10-1 4-4-0 3-6-0 0-10-0 3-6-0 Scale = 1 17 1 3x6 = 2x4 | 3x6 = 5 8.00 12 3x6 = 3x6 = 7-10-1 3-9-0 4-1-1 LOADING (psf) **SPACING** 2-0-0 CSI **DEFL** L/d **PLATES GRIP** in (loc) I/defl 1.25 20.0 360 TCLL Plates Increase TC 0.17 Vert(LL) -0.016-8 >999 MT20 244/190 TCDL 7.0 Lumber Increase 1.25 BC 0.08 Vert(TL) -0.01 6-8 >999 240 **BCLL** 10.0 0.05 Rep Stress Incr YES WB Horz(TL) 0.00 7 n/a n/a **BCDL** 5.0 Code FBC2004/TPI2002 (Matrix) Weight: 26 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. **OTHERS** 2 X 4 SYP No.3 **BOT CHORD** Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (lb/size) 1=50/0-4-0, 7=50/0-4-0, 8=383/0-4-0

Max Horz 1=-63(load case 4)

Max Uplift 1=-11(load case 6), 7=-30(load case 4), 8=-74(load case 6) Max Grav 1=71(load case 10), 7=71(load case 11), 8=383(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-52/57, 2-3=-45/139, 3-4=0/78, 4-5=0/78, 5-6=-45/139, 6-7=-34/19

BOT CHORD 2-8=-78/96, 6-8=-78/96

WEBS 4-8=-309/210

JOINT STRESS INDEX

2 = 0.29, 3 = 0.12, 4 = 0.12, 5 = 0.12, 6 = 0.29 and 8 = 0.12

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 Lew Truse Coetan Engineer Florida Mill 145 34 Bas 1406 Chambal May Sivel Boyelon Beach, — 15545

July 26,2007



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Job	Truss	Truss Type	Qty	Ply	PRUDENTIAL BUILDERS
L246421	PB03	VALLEY	1	1	J1869329
L240421	1 503	VALLET	'	1	Job Reference (optional)

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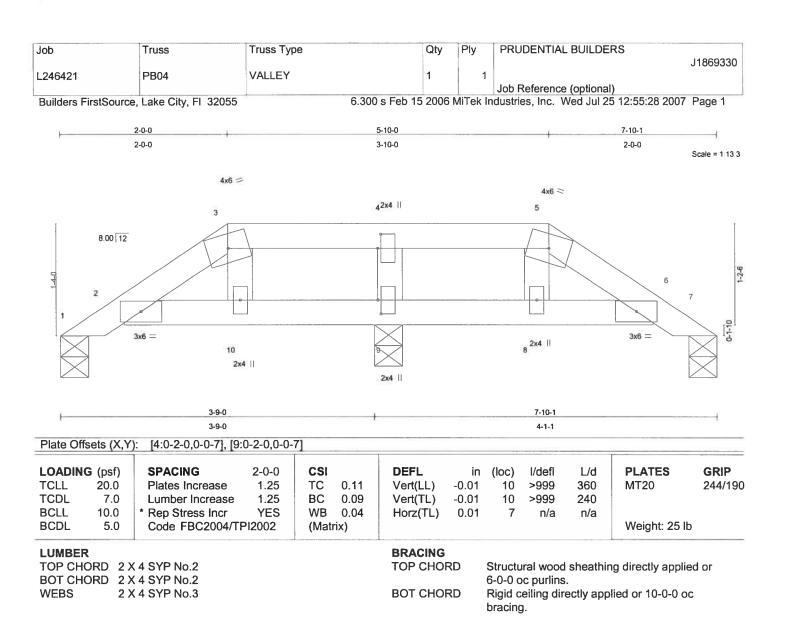
NOTES

- 6) Bearing at joint(s) 1, 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 11 lb uplift at joint 1, 30 lb uplift at joint 7 and 74 lb uplift at joint 8.
- 8) SEE MITEK STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS

LOAD CASE(S) Standard

Julium Lee Trues Cosign Engenser Highlide Pie No Intelle Higher Parker Movince Besch in Sussie





REACTIONS (lb/size) 1=116/0-4-0, 7=115/0-4-0, 9=252/0-4-0

Max Horz 1=34(load case 5)

Max Uplift 1=-25(load case 6), 7=-28(load case 4), 9=-72(load case 5)
Max Grav 1=117(load case 10), 7=116(load case 11), 9=252(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-57/42, 2-3=-106/79, 3-4=-79/86, 4-5=-79/86, 5-6=-106/79, 6-7=-56/42

BOT CHORD 2-10=-29/81, 9-10=-24/79, 8-9=-24/79, 6-8=-29/81

WEBS 3-10=-18/31, 4-9=-161/157, 5-8=-17/29

JOINT STRESS INDEX

2 = 0.21, 3 = 0.05, 4 = 0.09, 5 = 0.04, 6 = 0.21, 8 = 0.02, 9 = 0.09 and 10 = 0.02

NOTES

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

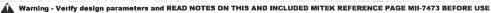
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.

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 Colimbia page 2

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July 26,2007



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Job	Truss	Truss Type	Qty	Ply	PRUDENTIAL BUILDERS
L246421	PB04	VALLEY	1	1	J1869330
L240421	1 504	VALLET	<u> </u>		Job Reference (optional)

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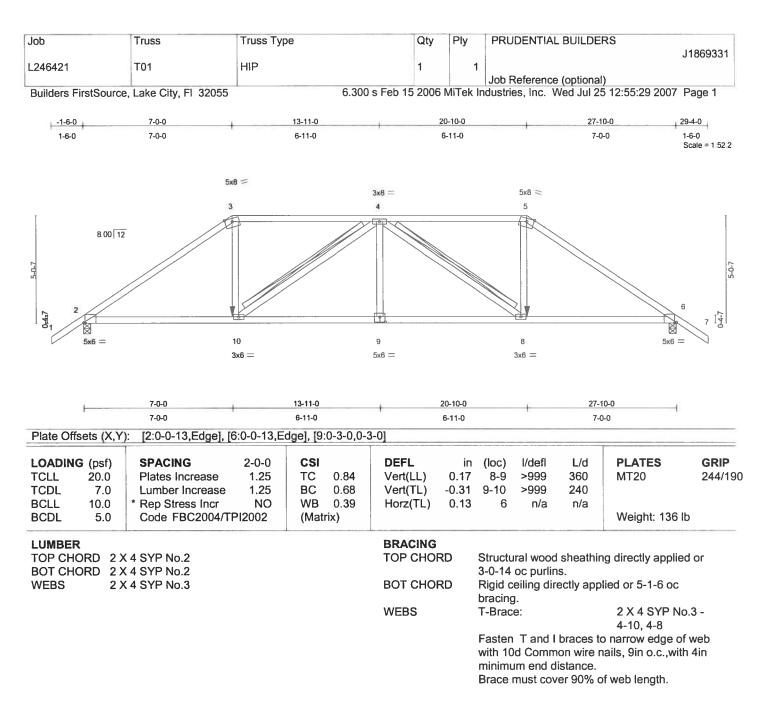
NOTES

- 5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 6) Bearing at joint(s) 1, 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 25 lb uplift at joint 1, 28 lb uplift at joint 7 and 72 lb uplift at joint 9.
- 8) SEE MITEK STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS

LOAD CASE(S) Standard

Julium Law Pruse (Jawagan (Ingeneer 판매대로 판매 전로 기리하다 네마드 (Inweis) 판매를 됩니다 단도단대로서 참으로(In. = L. 1984) 드





REACTIONS (lb/size) 2=1895/0-4-0, 6=1895/0-4-0

Max Horz 2=-130(load case 3)

Max Uplift 2=-809(load case 4), 6=-809(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/45, 2-3=-2954/1360, 3-4=-2391/1192, 4-5=-2391/1192, 5-6=-2954/1360,

6-7=0/45

BOT CHORD 2-10=-1165/2358, 9-10=-1509/3102, 8-9=-1509/3102, 6-8=-1036/2358

3-10=-491/1066, 4-10=-963/559, 4-9=0/282, 4-8=-963/559, 5-8=-491/1066 **WEBS**

JOINT STRESS INDEX

2 = 0.77, 3 = 0.99, 4 = 0.56, 5 = 0.99, 6 = 0.77, 8 = 0.68, 9 = 0.74 and 10 = 0.68

Continued on page 2



Job	Truss	Truss Type	Qty	Ply	PRUDENTIAL BUILDERS	
L246421	T01	HIP	1	1	J186933 ⁻	1
					Job Reference (optional)	

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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 809 lb uplift at joint 2 and 809 lb uplift at joint 6.
- 7) Girder carries hip end with 7-0-0 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)

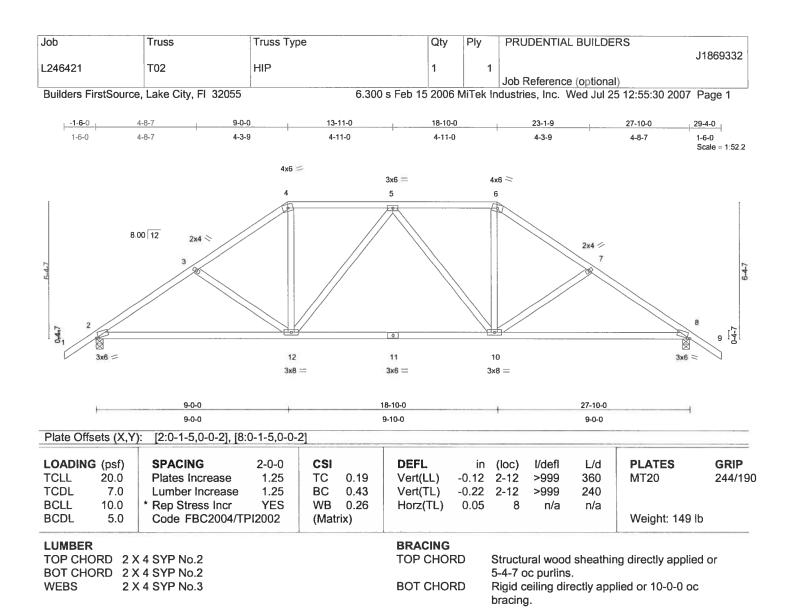
Vert: 1-3=-54, 3-5=-117(F=-63), 5-7=-54, 2-10=-10, 8-10=-22(F=-12), 6-8=-10

Concentrated Loads (lb)

Vert: 10=-411(F) 8=-411(F)

Juinus Less Truss (Issuadas Escarson Standa Pill Pac as dece 1 106 Casantal Bay Micri





REACTIONS (lb/size) 2=970/0-4-0, 8=970/0-4-0

Max Horz 2=167(load case 5)

Max Uplift 2=-233(load case 6), 8=-233(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/45, 2-3=-1332/630, 3-4=-1127/582, 4-5=-891/545, 5-6=-891/545,

6-7=-1127/582, 7-8=-1332/630, 8-9=0/45

BOT CHORD 2-12=-370/1038, 11-12=-288/994, 10-11=-288/994, 8-10=-370/1038

WEBS 3-12=-191/189, 4-12=-137/363, 5-12=-248/177, 5-10=-248/177, 6-10=-137/363,

7-10=-191/189

JOINT STRESS INDEX

2 = 0.83, 3 = 0.33, 4 = 0.42, 5 = 0.39, 6 = 0.42, 7 = 0.33, 8 = 0.83, 10 = 0.56, 11 = 0.46 and 12 = 0.56

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.

Truse Design Cromeer सावन्यक स्थानिक जनस्व उत्पादन संस्कृतिक स्थापन क्षेत्रपादन संस्कृति स्थापन

3) Provide adequate drainage to prevent water ponding.

Continued on page 2





Job	Truss	Truss Type	Qty	Ply	PRUDENTIAL BUILDERS
L246421	T02	HIP	1	1	J1869332
					Job Reference (optional)

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NOTES

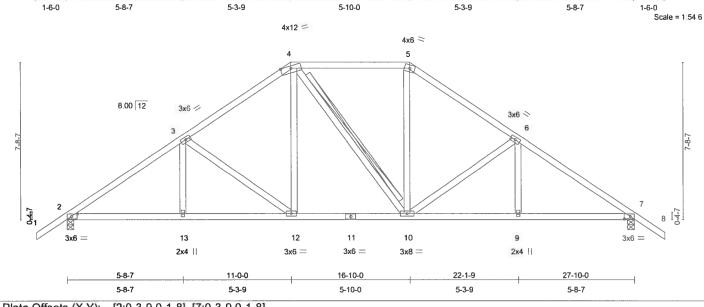
- 4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 233 lb uplift at joint 2 and 233 lb uplift at joint 8.

LOAD CASE(S) Standard

Julius Lee Truss Design Engineer Florida ME No. 3-1966 Florida May Alvri Boymon Usach, 16. 32435



Job	Truss	Truss Type	Qty		Ply	PRUDENTIA	AL BUILDERS	
								J186933
L246421	T03	HIP	1		1			
					Job Reference (optional)			
Builders FirstSo	ource, Lake City, FI 3	32055	6.300 s Feb 15 200	6 N	/liTek lr	ndustries, Inc.	Wed Jul 25 12:55:3	31 2007 Page 1
-1-6-0	5-8-7	11-0-0	16-10-0			22-1-9	27-10-0	29-4-0
1.6.0	5.9.7	5.3.0	5.10.0			5.3.9	5.9.7	1.6.0



LOADING (psf) SPACING 2-0-0 CSI DEFL in (loc) I/defl L/d PLATES	GRIP
TCLL 20.0 Plates Increase 1.25 TC 0.22 Vert(LL) -0.05 12 >999 360 MT20	244/190
TCDL 7.0 Lumber Increase 1.25 BC 0.25 Vert(TL) -0.10 10-12 >999 240	
BCLL 10.0 * Rep Stress Incr YES WB 0.23 Horz(TL) 0.05 7 n/a n/a	
BCDL 5.0 Code FBC2004/TPI2002 (Matrix) Weight: 159 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

BOT CHORD

TOP CHORD Structural wood sheathing directly applied or

5-3-6 oc purlins.

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

T-Brace:

WEBS

2 X 4 SYP No.3 -

4-10

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=970/0-4-0, 7=970/0-4-0

Max Horz 2=-204(load case 4)

Max Uplift 2=-245(load case 6), 7=-245(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/45, 2-3=-1338/595, 3-4=-1028/558, 4-5=-794/531, 5-6=-1028/558,

6-7=-1338/595, 7-8=0/45

BOT CHORD 2-13=-330/1031, 12-13=-330/1031, 11-12=-162/793, 10-11=-162/793,

9-10=-330/1030, 7-9=-330/1030

3-13=0/176, 3-12=-297/229, 4-12=-100/287, 4-10=-120/120, 5-10=-100/287, **WEBS**

6-10=-297/229, 6-9=0/175

JOINT STRESS INDEX

2 = 0.67, 3 = 0.41, 4 = 0.77, 5 = 0.51, 6 = 0.41, 7 = 0.67, 9 = 0.33, 10 = 0.56, 11 = 0.28, 12 = 0.34 and 13 = 0.33

Continued on page 2



Job	Truss	Truss Type	Qty	Ply	PRUDENTIAL BUILDERS
L246421	T03	HIP	1	1	J1869333
L240421	103		<u>'</u>	•	Job Reference (optional)

6.300 s Feb 15 2006 MiTek Industries, Inc. Wed Jul 25 12:55:31 2007 Page 2

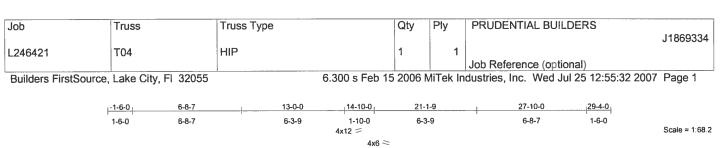
NOTES

- 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 245 lb uplift at joint 2 and 245 lb uplift at joint 7.

LOAD CASE(S) Standard

Julius Les Truce (Design (Indineer Truce) PE No. 3-1898 Truce Commission (1894) Truce Commission (1894)





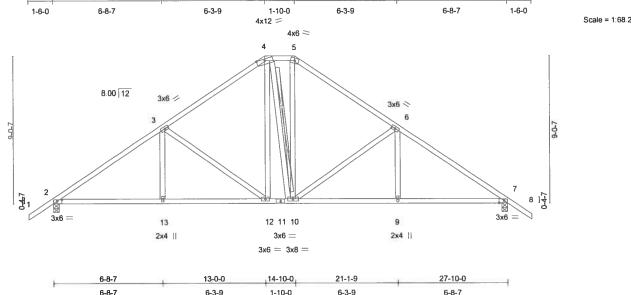


Plate Of	fsets (X,Y	(): [2:0-3-9,0-1-8], [7:	0-3-9,0-1-	8]				_				
LOADIN	G (psf)	SPACING	2-0-0	CSI		DEFL	in ((loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	-0.05 12	2-13	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.29	Vert(TL)	-0.11 12	2-13	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.43	Horz(TL)	0.05	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TF	P12002	(Mat	rix)	, ,					Weight: 169 lb	

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

BRACING

TOP CHORD Structural wood sheathing directly applied or

5-2-7 oc purlins.

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

> bracing. T-Brace:

WEBS

2 X 4 SYP No.3 -

4-10

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=970/0-4-0, 7=970/0-4-0

Max Horz 2=-241(load case 4)

Max Uplift 2=-253(load case 6), 7=-264(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD

BOT CHORD

3-13=0/219, 3-12=-395/295, 4-12=-141/263, 4-10=-167/180, 5-10=-138/287,

6-10=-390/292, 6-9=0/216

JOINT STRESS INDEX

Continued on page 2

WEBS

2 = 0.66, 3 = 0.41, 4 = 0.64, 5 = 0.54, 6 = 0.41, 7 = 0.66, 9 = 0.33, 10 = 0.58, 11 = 0.29, 12 = 0.34 and 13 = 0.33

July 26,2007



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 bracking, 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	PRUDENTIAL BUILDERS	
	704	LUD				J1869334
L246421	T04	HIP	1	1		
					Job Reference (optional)	Į.

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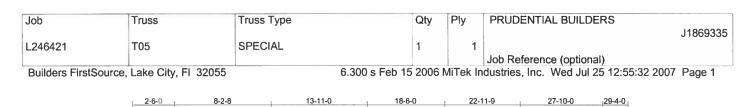
NOTES

- 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 253 lb uplift at joint 2 and 264 lb uplift at joint 7.

LOAD CASE(S) Standard

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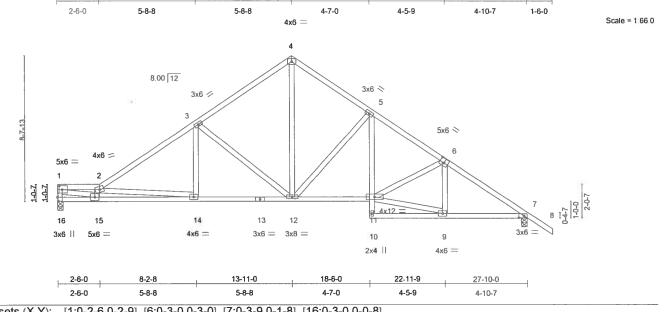


Plate Of	ISEIS (X, Y): [1:0-2-6,0-2-9], [6:	0-3-0,0-3-	0], [7:0-	3-9,0-1-0	3], [16:0-3-0,0	-0-8]					
LOADIN	G (psf)	SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.39	Vert(LL)	0.14 1	14-15	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.64	Vert(TL)	-0.26 1	14-15	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.77	Horz(TL)	0.07	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TI	PI2002	(Mat	rix)						Weight: 171 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.2

BOT CHORD 2 X 4 SYP No.2 *Except*

5-10 2 X 4 SYP No.3

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

TOP CHORD

BOT CHORD

4-1-0 oc purlins, except end verticals.

Structural wood sheathing directly applied or

Rigid ceiling directly applied or 10-0-0 oc

bracing, Except:

6-2-6 oc bracing: 14-15.

REACTIONS (lb/size) 16=878/0-4-0, 7=973/0-4-0

Max Horz 16=-275(load case 4)

Max Uplift 16=-187(load case 6), 7=-263(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension

1-16=-760/346, 1-2=-2243/1055, 2-3=-1441/657, 3-4=-981/536, 4-5=-956/541, TOP CHORD

5-6=-1309/619, 6-7=-1355/590, 7-8=0/45

BOT CHORD 15-16=-184/271, 14-15=-999/2395, 13-14=-325/1159, 12-13=-325/1159,

11-12=-239/1039, 10-11=0/65, 5-11=-104/300, 9-10=-28/78, 7-9=-337/1051 4-12=-400/707, 5-12=-442/287, 9-11=-317/998, 6-11=-66/114, 6-9=-192/111

WEBS 1-15=-987/2082, 2-15=-779/425, 2-14=-1246/679, 3-14=-67/313, 3-12=-534/357,

JOINT STRESS INDEX

1 = 0.63, 2 = 0.53, 3 = 0.41, 4 = 0.45, 5 = 0.41, 6 = 0.31, 7 = 0.67, 9 = 0.44, 10 = 0.59, 11 = 0.67, 12 = 0.56, 13 = 0.37, 14 = 0.45, 12 = 0.44, 10 = 0.45, 14 = 00.35, 15 = 0.63 and 16 = 0.43

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	PRUDENTIAL BUILDERS	
L246421	T05	SPECIAL	1	1	J1869335	1
		0. 20			Job Reference (optional)	

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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 187 lb uplift at joint 16 and 263 lb uplift at joint 7.

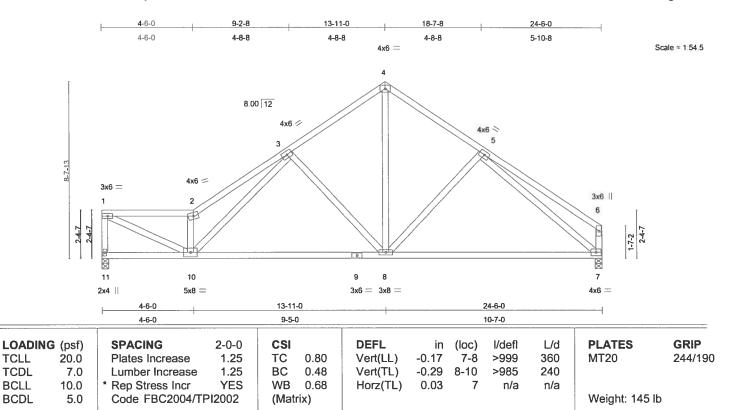
LOAD CASE(S) Standard

Judium Lere Transse Chopsega (Chopsepar Plorida Filo Ploc D-10001) Filo Comprise San Pier (Stori Brown Comprise San Comprise (Stori



Job	Truss	Truss Type	Qty	Ply	PRUDENTIAL BUILDERS	
1040404	700	ODEOIN				J1869336
L246421	T06	SPECIAL	1	1		
					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 WEBS 2 X 4 SYP No.3 **BRACING**

TOP CHORD

BOT CHORD

Structural wood sheathing directly applied or 4-8-2 oc purlins, except end verticals.

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

REACTIONS (lb/size) 11=775/0-4-0, 7=775/0-4-0

Max Horz 11=-193(load case 4)

Max Uplift 11=-173(load case 6), 7=-150(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-11=-749/364, 1-2=-1325/609, 2-3=-1748/868, 3-4=-765/448, 4-5=-766/450,

5-6=-295/184, 6-7=-272/193

BOT CHORD 10-11=-182/167, 9-10=-351/864, 8-9=-351/864, 7-8=-269/668

WEBS 1-10=-639/1409, 2-10=-1155/636, 3-8=-422/324, 4-8=-322/514, 5-8=-181/203,

5-7=-669/280, 3-10=-399/797

JOINT STRESS INDEX

1 = 0.78, 2 = 0.54, 3 = 0.34, 4 = 0.36, 5 = 0.25, 6 = 0.43, 7 = 0.74, 8 = 0.56, 9 = 0.37, 10 = 0.63 and 11 = 0.45

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.

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July 26,2007



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 / TP11 as referenced by the building code. For general guidance regarding storage, delivery, erection and bracing, consult BCS-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	PRUDENTIAL BUILDERS	
L246421	T06	SPECIAL	1	1		J1869336
					Job Reference (optional)	

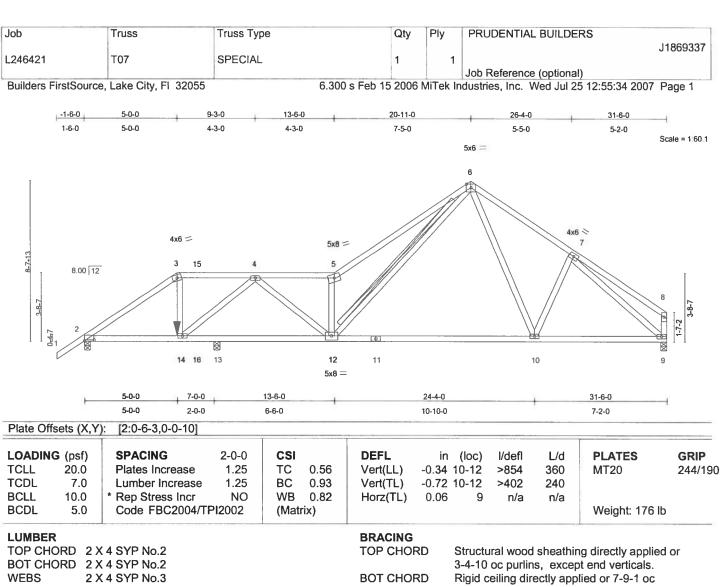
6.300 s Feb 15 2006 MiTek Industries, Inc. Wed Jul 25 12:55:33 2007 Page 2

NOTES

- 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 173 lb uplift at joint 11 and 150 lb uplift at joint 7.

LOAD CASE(S) Standard





bracing.

WEBS T-Brace:

2 X 4 SYP No.3 -

6-12

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) 2=994/0-4-0, 9=949/0-4-0, 13=371/0-4-0

Max Horz 2=247(load case 4)

Max Uplift 2=-499(load case 5), 9=-208(load case 6), 13=-119(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/45, 2-3=-1280/547, 3-15=-1027/503, 4-15=-1026/503, 4-5=-2007/619,

5-6=-2601/888, 6-7=-1091/325, 7-8=-210/120, 8-9=-215/115

BOT CHORD 2-14=-537/1010, 14-16=-610/1623, 13-16=-610/1623, 12-13=-610/1623,

11-12=-174/794, 10-11=-174/794, 9-10=-179/865

WEBS 3-14=-215/385, 4-14=-777/124, 4-12=-34/498, 5-12=-1718/651, 6-12=-728/1913,

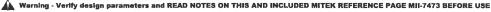
6-10=-84/266, 7-10=-120/146, 7-9=-1038/208

JOINT STRESS INDEX

2 = 0.68, 3 = 0.47, 4 = 0.34, 5 = 0.73, 6 = 0.83, 7 = 0.29, 8 = 0.36, 9 = 0.36, 10 = 0.47, 11 = 0.48, 12 = 0.89 and 14 = 0.34

Continued on page 2

July 26,2007



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Job	Truss	Truss Type	Qty	Ply	PRUDENTIAL BUILDERS	
L246421	T07	SPECIAL	1	1	J18693	37
L240421	107	OF EGIAL	'		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; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60.
- 3) Provide adequate drainage to prevent water ponding.
- 4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) All plates are 3x6 MT20 unless otherwise indicated.
- 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 499 lb uplift at joint 2, 208 lb uplift at joint 9 and 119 lb uplift at joint 13.
- 8) Girder carries hip end with 25-6-0 right side setback, 5-0-0 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

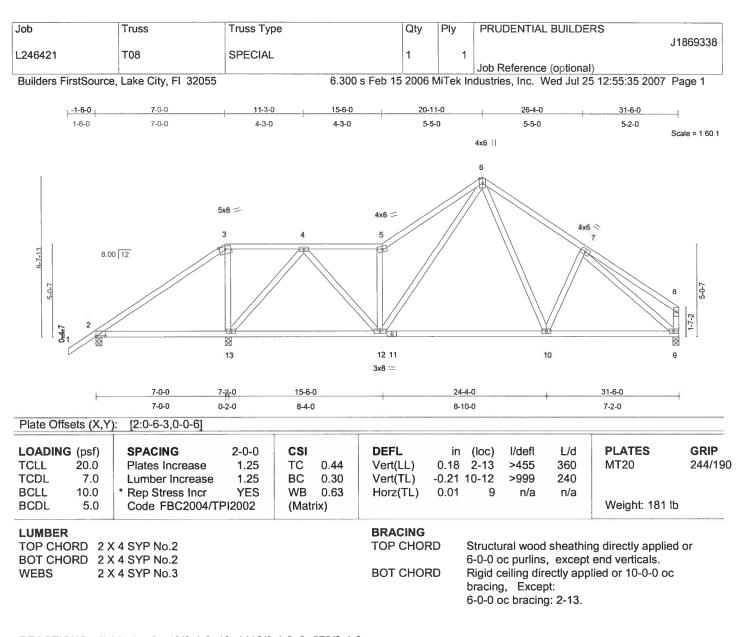
Uniform Loads (plf)

Vert: 1-3=-54, 3-15=-90(F=-36), 5-15=-54, 5-6=-54, 6-8=-54, 2-14=-10, 14-16=-17(F=-7), 9-16=-10

Concentrated Loads (lb) Vert: 14=-187(F)

> Julium Love Truys (Impagn (Inganoper Phiricial Phir July 2-1800) 11 (C.C. Constal & Modelland





REACTIONS (lb/size) 2=-10/0-4-0, 13=1418/0-4-0, 9=678/0-4-0

Max Horz 2=247(load case 5)

Max Uplift 2=-108(load case 6), 13=-467(load case 6), 9=-138(load case 7) Max Grav 2=38(load case 10), 13=1418(load case 1), 9=678(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/45, 2-3=-300/620, 3-4=-134/439, 4-5=-591/326, 5-6=-809/510, 6-7=-710/444,

7-8=-203/159, 8-9=-203/163

BOT CHORD 2-13=-419/267, 12-13=-74/155, 11-12=-79/445, 10-11=-79/445, 9-10=-220/576 WEBS 3-13=-632/426, 4-13=-907/414, 4-12=-289/666, 5-12=-671/468, 6-12=-206/354,

6-10=-153/260, 7-10=-166/205, 7-9=-643/227

JOINT STRESS INDEX

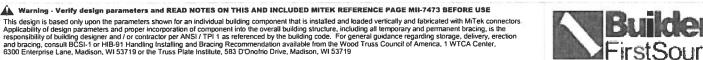
2 = 0.63, 3 = 0.70, 4 = 0.44, 5 = 0.76, 6 = 0.59, 7 = 0.29, 8 = 0.30, 9 = 0.41, 10 = 0.47, 11 = 0.38, 12 = 0.65 and 13 = 0.37

NOTES

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

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Continued on page 2



Job	Truss	Truss Type	Qty	Ply	PRUDENTIAL BUILDERS
L246421	T08	SPECIAL	1	1	J1869338
L240421	108	SPECIAL	'	'	Job Reference (optional)

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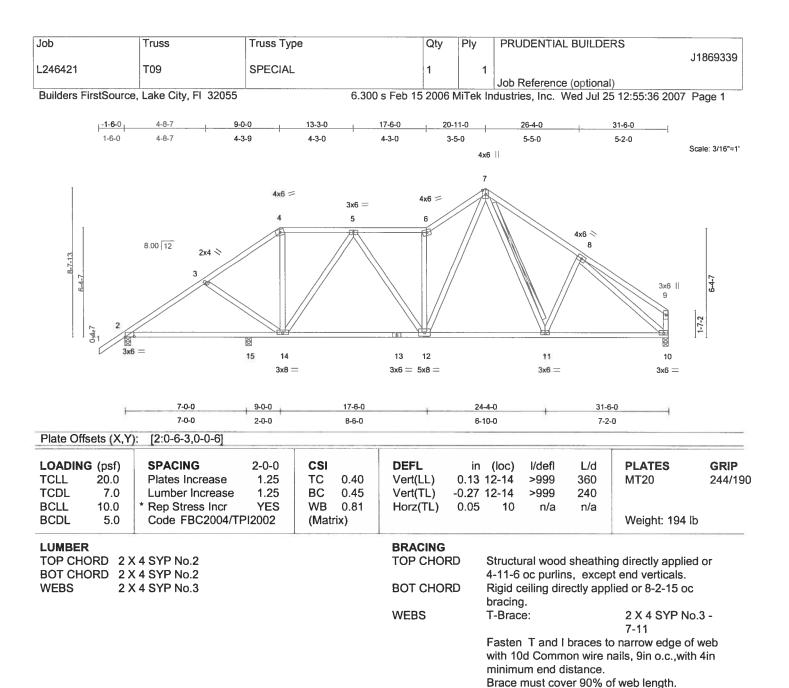
NOTES

- 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; porch left 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.
- 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 plates are 3x6 MT20 unless otherwise indicated.
- 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 108 lb uplift at joint 2, 467 lb uplift at joint 13 and 138 lb uplift at joint 9.

LOAD CASE(S) Standard

am Physican (Incline) Pill No. Distell Plants Pay (Blort Pants) Pill SCHOC





REACTIONS (lb/size) 2=963/0-4-0, 10=959/0-4-0, 15=164/0-4-0

Max Horz 2=247(load case 5)

Max Uplift 2=-353(load case 6), 10=-170(load case 6), 15=-167(load case 5) Max Grav 2=963(load case 1), 10=959(load case 1), 15=198(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/45, 2-3=-1353/604, 3-4=-1154/543, 4-5=-915/507, 5-6=-1190/657,

6-7=-1488/855, 7-8=-1095/631, 8-9=-229/166, 9-10=-219/167

BOT CHORD 2-15=-485/1047, 14-15=-485/1047, 13-14=-434/1134, 12-13=-434/1134,

11-12=-243/797, 10-11=-362/870

WEBS 3-14=-175/225, 4-14=-137/365, 5-14=-392/236, 5-12=-40/156, 6-12=-963/582,

7-12=-566/1059, 7-11=-124/198, 8-11=-134/178, 8-10=-1018/415

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Continued on page 2



Job	Truss	Truss Type	Qty	Ply	PRUDENTIAL BUILDERS
L246421	Т09	SPECIAL	1	1	J1869339
22.10.12.1	1.00	0. 202		<u>'</u>	Job Reference (optional)

6.300 s Feb 15 2006 MiTek Industries, Inc. Wed Jul 25 12:55:36 2007 Page 2

JOINT STRESS INDEX

2 = 0.61, 3 = 0.33, 4 = 0.34, 5 = 0.41, 6 = 0.45, 7 = 0.52, 8 = 0.29, 9 = 0.33, 10 = 0.56, 11 = 0.47, 12 = 0.56, 13 = 0.37 and 14 = 0.56

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; porch left 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.
- 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 353 lb uplift at joint 2, 170 lb uplift at joint 10 and 167 lb uplift at joint 15.

LOAD CASE(S) Standard

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Job	Truss	Truss Ty	ре	Qty	Ply	PRUDENTIA	L BUILDERS	6	
246424	T10	HIP							J1869340
_246421	T10	ПІР		1	1	Job Reference	e (optional)		
Builders FirstSource	, Lake City, FI 32055		6.300	s Feb 15 2006	MiTek I	ndustries, Inc. \	Wed Jul 25 1	2:55:37 2007	Page 1
-1-6-0 5-1	8-7 11-0-0)	17-5-0	23-10-	0	29-1-9	+-	34-10-0	36-4-0
1-6-0 5-	8-7 5-3-9		6-5-0	6-5-0		5-3-9		5-8-7	1-6-0 Scale: 3/16"=1'
		5x6 =							
		4		5		5x6 = 6			
			/						
8.0	0 12 2x4 \\						2x4 //		
7.8-7	3						7		7-8-7
		/							1
					//		//		
\$1 2	<u> </u>			<u> </u>	/		<u> </u>		a 14
	14		13 12	11			10	·	
-	7-2-0	14-0-0		20-10-0		27-8-0	1	-10-0	4
Plate Offsets (X,Y)	7-2-0): [2:0-3-9,0-1-8], [8	6-10-0 •∩_3_0 ∩_1_		6-10-0		6-10-0	7	'-2-0	
						4 > 41.6			
LOADING (psf) TCLL 20.0	SPACING Plates Increase	2-0-0 1.25	CSI TC 0.28	Vert(LL)		(loc) I/defl 2-14 >606	L/d 360	PLATES MT20	GRIP 244/19(
TCDL 7.0 BCLL 10.0	Lumber Increase * Rep Stress Incr	1.25 YES	BC 0.29 WB 0.43		-0.12 0.03	8-10 >999 8 n/a	240 n/a		
BCDL 5.0	Code FBC2004/T		(Matrix)	Horz(TL)	0.03	0 11/a		Weight: 198	lb
LUMBER			,	BRACING					
TOP CHORD 2 X BOT CHORD 2 X				TOP CHOR		Structural wood 5-4-12 oc purlir		directly appli	ed or
	4 SYP No.3			BOT CHOR	D I	Rigid ceiling dir	ectly applie	d or 10-0-0 o	С
					6	6-0-0 oc bracin			
				WEBS		Г-Brace:		2 X 4 SYP N 4-14, 5-13,	
				WEBS	ı	г-вгасе: Fasten T and I with 10d Comm		4-14, 5-13, sarrow edge	5-11 of web

REACTIONS (lb/size) 2=206/0-4-0, 14=1240/0-4-0, 8=942/0-4-0

Max Horz 2=-204(load case 4)

Max Uplift 2=-171(load case 6), 14=-411(load case 5), 8=-244(load case 7) Max Grav 2=239(load case 10), 14=1240(load case 1), 8=942(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/45, 2-3=-90/171, 3-4=-31/275, 4-5=-513/388, 5-6=-747/509, 6-7=-1160/661,

7-8=-1279/583, 8-9=0/45

BOT CHORD 2-14=-117/182, 13-14=-114/312, 12-13=-175/712, 11-12=-175/712, 10-11=-139/749

, 8-10=-321/984

WEBS 3-14=-258/283, 4-14=-1031/412, 4-13=-201/552, 5-13=-493/281, 5-11=-30/146,

6-11=-81/103, 6-10=-203/328, 7-10=-229/241

Judium Les Truss Cossien Chernson Plaide Pill Tid Tidade 1476 Chastal Rey Rive Mayellon wassen, EL 18915

Continued on page 2



Job	Truss	Truss Type	Qty	Ply	PRUDENTIAL BUILDERS	
					,	J1869340
L246421	T10	HIP	1	1		
					Job Reference (optional)	

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JOINT STRESS INDEX

2 = 0.65, 3 = 0.33, 4 = 0.51, 5 = 0.45, 6 = 0.51, 7 = 0.33, 8 = 0.65, 10 = 0.47, 11 = 0.48, 12 = 0.26, 13 = 0.48 and 14 = 0.47

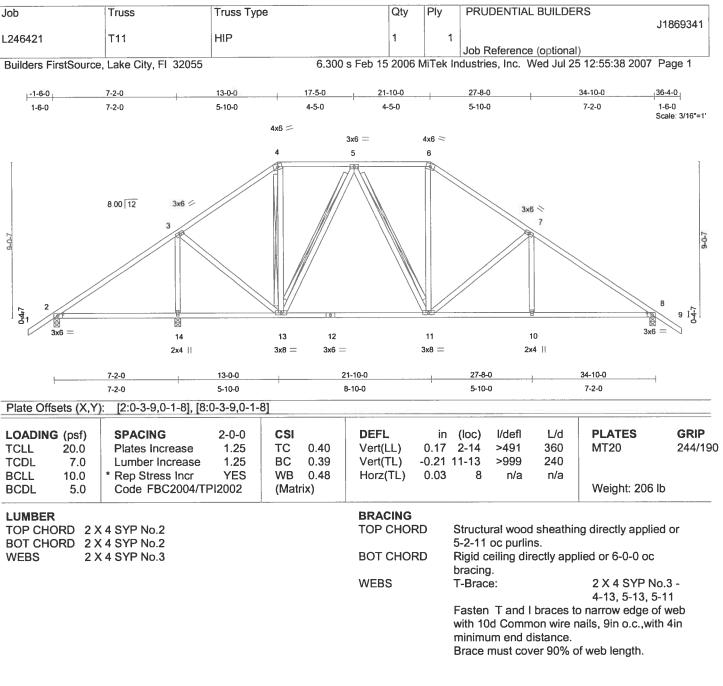
NOTES

- 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; porch left 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.
- 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 plates are 3x6 MT20 unless otherwise indicated.
- 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 171 lb uplift at joint 2, 411 lb uplift at joint 14 and 244 lb uplift at joint 8.

LOAD CASE(S) Standard

Julium Lew Traige Coesign Chiganger Florida PE Pic 34 MGB Bery Rich Woynion Weson, E Dunion





REACTIONS (lb/size) 2=217/0-4-0, 14=1226/0-4-0, 8=945/0-4-0

Max Horz 2=241(load case 5)

Max Uplift 2=-179(load case 6), 14=-346(load case 5), 8=-257(load case 7) Max Grav 2=259(load case 10), 14=1226(load case 1), 8=945(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/45, 2-3=-104/230, 3-4=-600/388, 4-5=-418/385, 5-6=-662/504, 6-7=-890/525,

7-8=-1261/569, 8-9=0/45

BOT CHORD 2-14=-132/183, 13-14=-132/183, 12-13=-116/592, 11-12=-116/592, 10-11=-288/954

, 8-10=-288/954

WEBS 3-14=-1137/562, 3-13=-141/659, 4-13=-59/124, 5-13=-443/214, 5-11=-63/179,

6-11=-93/237, 7-11=-382/294, 7-10=0/197

Lighton Land Trung (1996) on English of This of Market May More Tring Comment May More Woyman Wasch, to 1994)

JOINT STRESS INDEX

Continued 6h gan 6.46, 4 = 0.47, 5 = 0.45, 6 = 0.47, 7 = 0.46, 8 = 0.69, 10 = 0.40, 11 = 0.62, 12 = 0.35, 13 = 0.62 and 14 = 0.40

July 26,2007

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 8CS-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	PRUDENTIAL BUILDERS
L246421	T11	HIP	1	1	J1869341
					Job Reference (optional)

6.300 s Feb 15 2006 MiTek Industries, Inc. Wed Jul 25 12:55:39 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; porch left 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.
- 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 179 lb uplift at joint 2, 346 lb uplift at joint 14 and 257 lb uplift at joint 8.

LOAD CASE(S) Standard

Julium Leem Tues Compion (Indicate Planta Pili No. 3-1964) I 106 Commist Pay Alord Boyflot Bages, 44 55455



Job	Truss	Truss Ty	oe	Qty	Ply	PRUE	DENTIAL	BUILDE	RS	J1869342
_246421	T12	HIP		1	1		eference	(ontiona	n.	0.000012
Builders FirstSou	rce, Lake City, Fl 32	2055	6.300	s Feb 15 2006	MiTek I					7 Page 1
1-6-0	6-11-7	13-6-0	1	21-4-0		27-10-9		3	34-10-0	36-4-0
1-6-0	6-11-7	6-6-9		7-10-1		6-6-9		,	6-11-7	1-6-0 Scale = 1.66.9
			8x10 =	5	x8 =					
		8.00 12	4		5					
		5.55 12			P					I
	5x	6 //					5x6	\		
	3	//						6		
7-7-		(7-4-6
										35
	//									
1 2 d							8		Tell Control	8 14
3x6 =	B 13	_	40 44		10		9		₩ 3x6	
	2x4		12 11 3x6 = 3x6 =		10 (8 =		2x4	II		
						07.40.0				
1	6-11-7 7-0 6-11-7 0-0			21-4-0 7-10-1	+	27-10-9 6-6-9	-		34-10-0 6-11-7	
Plate Offsets (X	,Y): [2:0-3-9,0-1-8	3], [3:0-3-0,0-3-	0], [4:0-4-0,Edge	1, [6:0-3-0,0-3-	0], [7:0	-3-9,0-1	-8]			
LOADING (psf) TCLL 20.0		2-0-0 se 1.25	CSI TC 0.46	DEFL Vert(LL)	in 0.15		I/defl >530	L/d 360	PLATES MT20	GRIP 244/19
TCDL 7.0			BC 0.31	Vert(TL)	-0.13		>999	240	W1120	244/19
BCLL 10.0			WB 0.44	Horz(TL)	0.03	7	n/a	n/a		
BCDL 5.0	Code FBC20	04/TPI2002	(Matrix)						Weight: 19	7 lb
LUMBER				BRACING						
	2 X 4 SYP No.2			TOP CHOR					ng directly app	lied or
	2 X 4 SYP No.2					5-2-5 oc	nurlins	excent		

WEBS 2 X 4 SYP No.3

2-0-0 oc purlins (6-0-0 max.): 4-5.

BOT CHORD

Rigid ceiling directly applied or 6-0-0 oc

bracing. T-Brace:

WEBS

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) 2=243/0-4-0, 13=1184/0-4-0, 7=961/0-4-0

Max Horz 2=250(load case 5)

Max Uplift 2=-178(load case 6), 13=-326(load case 6), 7=-263(load case 7) Max Grav 2=278(load case 10), 13=1184(load case 1), 7=961(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/45, 2-3=-102/174, 3-4=-672/422, 4-5=-674/522, 5-6=-905/529, 6-7=-1296/586

. 7-8=0/45

BOT CHORD 2-13=-106/160, 12-13=-109/160, 11-12=-118/475, 10-11=-118/475, 9-10=-306/987,

7-9=-306/986

WEBS 3-13=-1091/542, 3-12=-125/634, 4-12=-303/144, 4-10=-148/359, 5-10=-17/201,

6-10=-382/295, 6-9=0/214

Continued on page 2



Job	Truss	Truss Type	Qty	Ply	PRUDENTIAL BUILDERS	
L246421	T12	HIP	1	1		J1869342
					Job Reference (optional)	

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JOINT STRESS INDEX

2 = 0.58, 3 = 0.74, 4 = 0.74, 5 = 0.76, 6 = 0.64, 7 = 0.66, 9 = 0.33, 10 = 0.56, 11 = 0.23, 12 = 0.36 and 13 = 0.39

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; porch left 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.
- 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 178 lb uplift at joint 2, 326 lb uplift at joint 13 and 263 lb uplift at joint 7.
- 7) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.

LOAD CASE(S) Standard



Job	Truss	Truss Type	Qty		Ply	PRUDENTIA	L BUILDERS	
								J186934
L246421	T13	HIP	2		1			
						Job Reference	e (optional)	
Builders FirstSou	ırce, Lake City, FI	32055	6.300 s Feb 15 200	6 N	⁄liTek Ir	ndustries, Inc.	Wed Jul 25 12:55:4	0 2007 Page 1
-1-6-0	6-11-7	13-6-0	21-4-0	!-		27-10-9	34-10-0	36-4-0
1-6-0	6-11-7	6-6-9	7-10-1	,		6-6-9	6-11-7	1-6-0
		9-10						Scale = 1:6

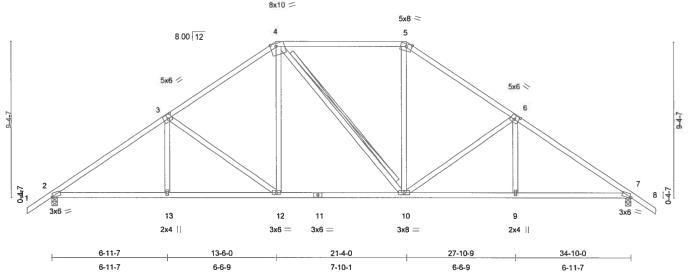


Plate Of	fsets (X,Y	'): [2:0-0-12,Edge], [3	3:0-3-0,0-3	3-0], [4:0)-4-0,Edg	e], [6:0-3-0,0-	-3-0], [7:	0-0-12	,Edge]			
LOADIN	IG (psf)	SPACING	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.36	Vert(LL)	-0.09	10-12	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.36	Vert(TL)	-0.19	10-12	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.44	Horz(TL)	0.07	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TI	212002	(Mat	rix)						Weight: 197 lb	
						Horz(TL)	0.07	7	n/a	n/a	Weight: 197 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

4-5-15 oc purlins, except

2-0-0 oc purlins (5-9-4 max.): 4-5.

BOT CHORD Rigid ceiling directly applied or 9-1-10 oc

bracing.

WEBS T-Brace:

2 X 4 SYP No.3 -4-10

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=1194/0-4-0, 7=1194/0-4-0

Max Horz 2=250(load case 5)

Max Uplift 2=-287(load case 6), 7=-287(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/45, 2-3=-1705/772, 3-4=-1316/715, 4-5=-1020/678, 5-6=-1317/715,

6-7=-1705/772, 7-8=0/45

BOT CHORD 2-13=-459/1322, 12-13=-459/1323, 11-12=-222/1020, 10-11=-222/1020,

9-10=-459/1323, 7-9=-460/1322

WEBS 3-13=0/214, 3-12=-374/293, 4-12=-123/367, 4-10=-150/150, 5-10=-123/367,

6-10=-374/293, 6-9=0/213

Julium Lees Fries Espaid 1 indenses Flands PE No. 3-1959 Line Francis Hey Flord BOYTON WORCH, FL SU-195

JOINT STRESS INDEX

Continued 63 $\frac{1}{2}$ \frac



Job	Truss	Truss Type	Qty	Ply	PRUDENTIAL BUILDERS
L246421	T13	HIP	2	1	J1869343
LL 10121	110		-	. '	Job Reference (optional)

6.300 s Feb 15 2006 MiTek Industries, Inc. Wed Jul 25 12:55:40 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 287 lb uplift at joint 2 and 287 lb uplift at joint 7.
- 7) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.

LOAD CASE(S) Standard

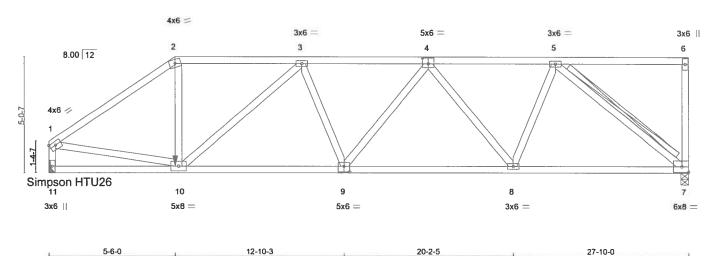
Julium Larm Truss Classion Chotinger Plation PM Paul Island Plation Samulai Ray Rivel Poynton Paudon, LL Suffic







5-6-0 5-6-2 5-6-2 5-6-2 5-9-10 Scale: 1/4"=1"



5-6	i-O	7-4-3		7-4	-3	1	7-	7-11	
Plate Offsets (X,Y)	[1:Edge,0-1-12]	, [4:0-3-0,0-3-0], [9:0-3-0,0-3-0]						
LOADING (S	OD A OINIO	0.00	001	DEEL	· ·	1/-1 17		51.4756	-

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	0.73	Vert(LL)	0.16	8-9	>999	360	MT20	244/190
TCDL	7.0		Lumber Increase	1.25	BC	0.74	Vert(TL)	-0.30	8-9	>999	240		
BCLL	10.0	*	Rep Stress Incr	NO	WB	0.97	Horz(TL)	0.10	7	n/a	n/a		
BCDL	5.0		Code FBC2004/TF	PI2002	(Mat	rix)						Weight: 159 lb	

LUMBER

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

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

W1 2 X 4 SYP No.2

BRACING TOP CHORD

BOT CHORD

WEBS

oc purlins, except end verticals.

Rigid ceiling directly applied or 5-2-15 oc bracing. 2 X 4 SYP No.3 - 5-7

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

Structural wood sheathing directly applied or 3-4-7

end distance.

Brace must cover 90% of web length.

REACTIONS (lb/size) 7=1977/0-4-0, 11=2182/Mechanical

Max Horz 11=116(load case 5)

Max Uplift 7=-978(load case 3), 11=-907(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-2623/1151, 2-3=-2150/1006, 3-4=-2958/1401, 4-5=-2301/1100, 5-6=-64/23,

BOT CHORD 10-11=-260/325, 9-10=-1430/2943, 8-9=-1420/2872, 7-8=-981/1953

WEBS 2-10=-432/951, 3-10=-1060/631, 3-9=0/188, 4-9=-14/160, 4-8=-933/524, 5-8=-328/963,

5-7=-2466/1251, 1-10=-931/1833

6-7=-307/212, 1-11=-1922/827

JOINT STRESS INDEX

1 = 0.76, 2 = 0.82, 3 = 0.48, 4 = 0.69, 5 = 0.86, 6 = 0.56, 7 = 0.43, 8 = 0.86, 9 = 0.83, 10 = 0.86 and 11 = 0.85

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.

July 26,2007

Continued 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 availed 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	ORLEANS/1580 CANOPY PASTURE DR.
L246421	T14	MONO HIP	1	1	
					Job Reference (optional)

Builders First Source, Jacksonville ,Florida 32244

6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Jul 26 14:10:15 2007 Page 2

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 978 lb uplift at joint 7 and 907 lb uplift at joint 11.
- 6) Girder carries tie-in span(s): 7-0-0 from 0-0-0 to 5-6-0
- 7) Girder carries hip end with 0-0-0 right side setback, 5-6-0 left side setback, and 7-0-0 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

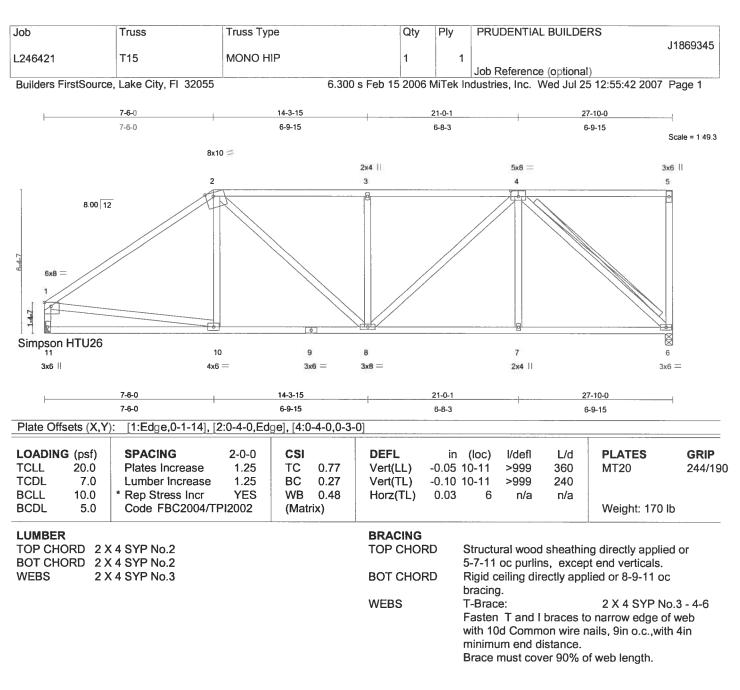
Uniform Loads (plf)

Vert: 1-2=-54, 2-6=-117(F=-63), 10-11=-86(F=-76), 7-10=-22(F=-12)

Concentrated Loads (lb) Vert: 10=-323(F)

> Juhus Les Truss Cosson Endersor Hord Enders Manu Hord Enders May Mord





REACTIONS (lb/size) 6=881/0-4-0, 11=881/Mechanical

Max Horz 11=158(load case 6)

Max Uplift 6=-283(load case 4), 11=-168(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-1107/507, 2-3=-1034/582, 3-4=-1034/582, 4-5=-27/13, 5-6=-163/115,

1-11=-839/420

BOT CHORD 10-11=-400/256, 9-10=-513/829, 8-9=-513/829, 7-8=-425/775, 6-7=-425/775

WEBS 2-10=-22/156, 2-8=-188/274, 3-8=-349/240, 4-8=-212/350, 4-7=0/211,

4-6=-1012/556, 1-10=-246/580

JOINT STRESS INDEX

1 = 0.56, 2 = 0.69, 3 = 0.33, 4 = 0.35, 5 = 0.31, 6 = 0.35, 7 = 0.33, 8 = 0.56, 9 = 0.30, 10 = 0.26 and 11 = 0.42

Continued on page 2



Job	Truss	Truss Type	Qty	Ply	PRUDENTIAL BUILDERS	
			1.		J186934	ا 5ا
L246421	T15	MONO HIP	1	1		
					Job Reference (optional)	

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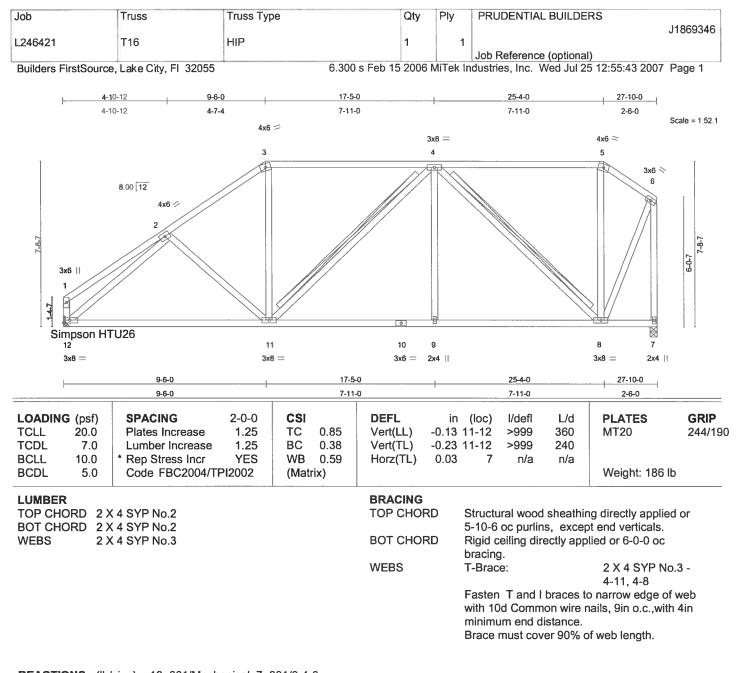
NOTES

- 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) 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 283 lb uplift at joint 6 and 168 lb uplift at joint 11.

LOAD CASE(S) Standard

Julium Loom Prijes displan Chapmash Pitchale Pit No. odseen NoViton Wester, Plance NoViton Wester, Plance





REACTIONS (lb/size) 12=881/Mechanical, 7=881/0-4-0

Max Horz 12=168(load case 6)

Max Uplift 12=-204(load case 5), 7=-242(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-305/152, 2-3=-980/523, 3-4=-773/502, 4-5=-300/220, 5-6=-349/195,

1-12=-259/161, 6-7=-881/457

BOT CHORD 11-12=-541/806, 10-11=-438/815, 9-10=-438/815, 8-9=-438/815, 7-8=-4/3

WEBS 2-11=-95/145, 3-11=-45/263, 4-11=-157/141, 4-9=0/230, 4-8=-720/397,

5-8=-163/126, 2-12=-847/391, 6-8=-387/768

Johns Lee Truss Cesson Engineer Michals PH No Brisso 1186 Cossis Rey Mich Bounton Cosson, 12, 35435

JOINT STRESS INDEX

1 = 0.36, 2 = 0.27, 3 = 0.68, 4 = 0.56, 5 = 0.63, 6 = 0.59, 7 = 0.33, 8 = 0.89, 9 = 0.33, 10 = 0.26, 11 = 0.56 and 12 = 0.70

Continued on page 2



Job	Truss	Truss Type	Qty	Pty	PRUDENTIAL BUILDERS
					J1869346
L246421	T16	HIP	1	1	
					Job Reference (optional)

6.300 s Feb 15 2006 MiTek Industries, Inc. Wed Jul 25 12:55:43 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 204 lb uplift at joint 12 and 242 lb uplift at joint 7.

LOAD CASE(S) Standard

Juhus Lee Pryse (Lesson Chainson Historia: Mi Pia, beinde Historia: Mi Bestal May Wich Roynlon Weedn, Hill 1884 as



Job	Truss	Truss Type		Qty	Ply	PRUDENTIAL BUILDERS
						J1869347
L246421	T17	SPECIAL		1	1	
						Job Reference (optional)
Builders FirstSource	e. Lake City, Fl 32055		6.300 s Feb 15	2006 N	/liTek In	dustries, Inc. Wed Jul 25 12:55:44 2007 Page 1

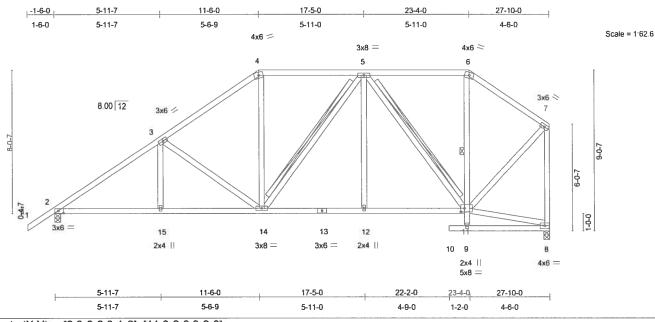


Plate Offsets (X,Y): [2:0-3-9,0-1-8], [11:0-2-8,0-2-8]

LOADING (/	SPACING	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 2	20.0	Plates Increase	1.25	TC	0.88	Vert(LL)	0.05	14	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.28	Vert(TL)	-0.09	11-12	>999	240		
BCLL 1	10.0	* Rep Stress Incr	YES	WB	0.29	Horz(TL)	0.04	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TF	P12002	(Mat	rix)						Weight: 194 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

WEBS

Structural wood sheathing directly applied or 5-3-0 oc purlins, except end verticals. **BOT CHORD** Rigid ceiling directly applied or 8-2-15 oc

bracing.

1 Row at midpt T-Brace:

6-9 2 X 4 SYP No.3 -

5-14, 5-11

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=975/0-4-0, 8=885/0-4-0

Max Horz 2=237(load case 6)

Max Uplift 2=-238(load case 6), 8=-163(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/45, 2-3=-1342/576, 3-4=-1014/535, 4-5=-778/515, 5-6=-455/336,

6-7=-599/329, 7-8=-859/451

BOT CHORD 2-15=-585/1033, 14-15=-585/1033, 13-14=-365/757, 12-13=-365/757,

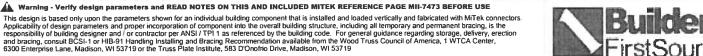
11-12=-365/757, 9-10=0/0, 8-9=0/17

3-15=0/185, 3-14=-318/243, 4-14=-77/280, 5-14=-93/131, 5-12=0/193, **WEBS**

5-11=-541/265, 9-11=0/95, 6-11=-24/135, 7-11=-292/639, 8-11=-8/4

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Continued on page 2



Job	Truss	Truss Type	Qty	Ply	PRUDENTIAL BUILDERS
L246421	T17	SPECIAL	1	1	J1869347
		0. 20.12			Job Reference (optional)

6.300 s Feb 15 2006 MiTek Industries, Inc. Wed Jul 25 12:55:44 2007 Page 2

JOINT STRESS INDEX

2 = 0.67, 3 = 0.41, 4 = 0.55, 5 = 0.56, 6 = 0.49, 7 = 0.51, 8 = 0.28, 9 = 0.33, 11 = 0.32, 12 = 0.33, 13 = 0.27, 14 = 0.56 and 15 = 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) 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 238 lb uplift at joint 2 and 163 lb uplift at joint 8.

LOAD CASE(S) Standard

Julius Lee Truss Cesson Chornes Flurida PE No Distor 1100 Chests Rey Rive Covida Usach, II portor



Job	Truss	Truss Type	Qty	Ply	PRUDENTIAL BUILDERS
1040404	740	ODEO!A!	_		J1869348
L246421	T18	SPECIAL	3	1	Joh Reference (entionet)
					Job Reference (optional)

6.300 s Feb 15 2006 MiTek Industries, Inc. Wed Jul 25 12:55:44 2007 Page 1

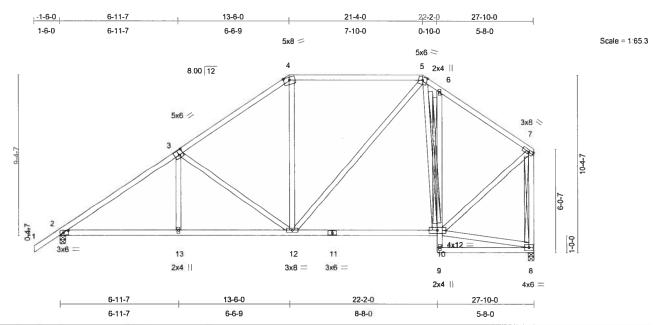


Plate Offsets (X,Y): [2:0-3-9,0-1-8], [3:0-3-0,0-3-0]

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	0.45	Vert(LL)	-0.10	10-12	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.51	Vert(TL)	-0.19	10-12	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.44	Horz(TL)	0.04	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TF	212002	(Mat	rix)						Weight: 193 lb	
				<u> </u>								

LUMBER

TOP CHORD 2 X 4 SYP No.2

BOT CHORD 2 X 4 SYP No.2 *Except*

6-9 2 X 4 SYP No.3

WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or

5-1-13 oc purlins, except end verticals, and

2-0-0 oc purlins (6-0-0 max.): 4-5.

BOT CHORD Rigid ceiling directly applied or 6-0-0 oc

bracing. Except:

T-Brace:

2 X 4 SYP No.3 -6-10

WEBS T-Brace:

2 X 4 SYP No.3 -

5-10, 7-8

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=973/0-4-0, 8=878/0-4-0

Max Horz 2=264(load case 5)

Max Uplift 2=-282(load case 6), 8=-200(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/45, 2-3=-1317/562, 3-4=-927/502, 4-5=-693/500, 5-6=-502/414, 6-7=-644/349

7-8=-857/445

BOT CHORD 2-13=-559/1003, 12-13=-559/1004, 11-12=-212/501, 10-11=-212/501, 9-10=0/83,

6-10=-215/155, 8-9=-83/1

WEBS 3-13=0/207, 3-12=-381/297, 4-12=-1/219, 5-12=-160/335, 5-10=-418/197,

7-10=-257/608, 8-10=-17/98

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Continued on page 2

July 26,2007

Marning - 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 BCS-1 or HIB-91 Handling installing and Bracing Recommendation authorities (WOOd Truss Council of America, 1 WTCA Center, 6300 Enterprise Lane, Madison, WI 53719 or the Truss Plate Institute, 583 D'Onofrio Orive, Madison, WI 53719



Job	Truss	Truss Type	Qty	Pty	PRUDENTIAL BUILDERS
L246421	T18	SPECIAL	2	1	J1869348
L240421	110	OF EGINE			Job Reference (optional)

6.300 s Feb 15 2006 MiTek Industries, Inc. Wed Jul 25 12:55:45 2007 Page 2

JOINT STRESS INDEX

2 = 0.67, 3 = 0.63, 4 = 0.71, 5 = 0.63, 6 = 0.35, 7 = 0.67, 8 = 0.27, 9 = 0.77, 10 = 0.49, 11 = 0.24, 12 = 0.56 and 13 = 0.33

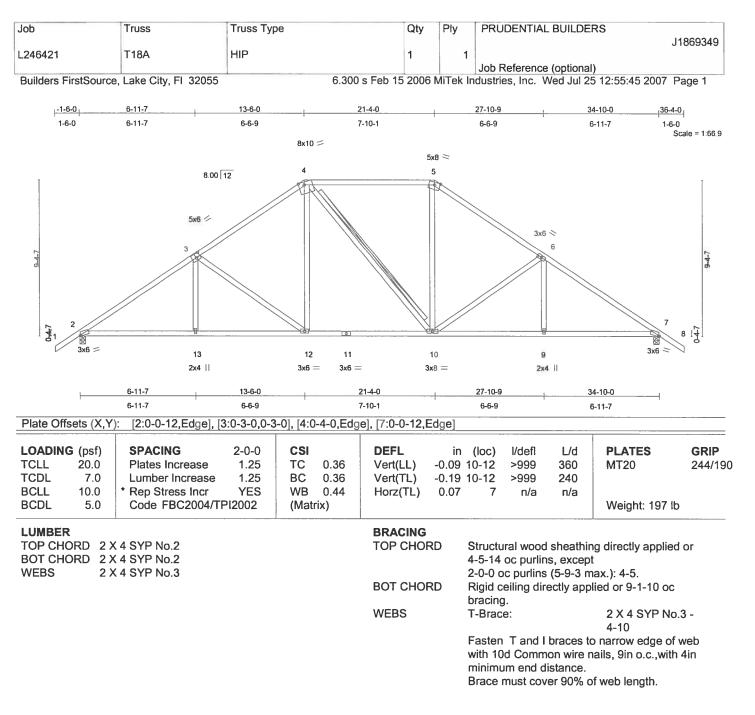
NOTES

- 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) 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 282 lb uplift at joint 2 and 200 lb uplift at joint 8.
- 7) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.

LOAD CASE(S) Standard

Judica Lee Pries Copion Engineer Pidrids Pim Pid Miller 1400 Createl Pay North





REACTIONS (lb/size) 2=1194/0-4-0, 7=1194/0-4-0

Max Horz 2=250(load case 5)

Max Uplift 2=-287(load case 6), 7=-287(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/45, 2-3=-1705/772, 3-4=-1316/715, 4-5=-1020/678, 5-6=-1316/715,

6-7=-1704/772, 7-8=0/45

BOT CHORD 2-13=-459/1322, 12-13=-459/1323, 11-12=-222/1020, 10-11=-222/1020,

9-10=-459/1321, 7-9=-459/1321

WEBS 3-13=0/214, 3-12=-374/293, 4-12=-123/367, 4-10=-150/150, 5-10=-124/367,

6-10=-373/293, 6-9=0/213

Julius Lew Trope Copied Cheloper Fiches FE No. 5-1866 1966 FE No. 5-18

JOINT STRESS INDEX

Continued on $\frac{1}{2}$ \frac

BuildersFirstSource

Job	Truss	Truss Type	Qty	Ply	PRUDENTIAL BUILDERS
L246421	T18A	HIP	4	1	J1869349
L240421	TIOA	I II F		'	Job Reference (optional)

6.300 s Feb 15 2006 MiTek Industries, Inc. Wed Jul 25 12:55:45 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 287 lb uplift at joint 2 and 287 lb uplift at joint 7.
- 7) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.

LOAD CASE(S) Standard

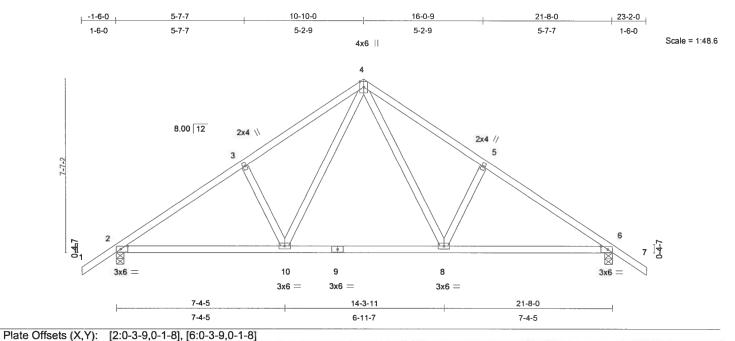
Julium Less Priess (Pession Chomber Hibrida Mill Pic. Dellind Hibrida Chessial May Pich Novich Wadden, 14 Dueine



Job	Truss	Truss Type	Qty	Piy	ORLEANS/1580 CANOPY PASTURE DR.
L246421	T19	COMMON	8	1	J1869350
					Job Reference (optional)

Builders First Source, Jacksonville ,Florida 32244

6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Jul 26 14:13:35 2007 Page 1



LOADING (psf) **SPACING** 2-0-0 CSI **DEFL** in (loc) I/defl L/d **PLATES GRIP** TC 0.25 TCLL 20.0 Plates Increase 1.25 Vert(LL) 0.12 8-10 >999 360 MT20 244/190 TCDL 7.0 1.25 вс 0.48 >999 Lumber Increase Vert(TL) -0.23 8-10 240 **BCLL** 10.0 Rep Stress Incr NO WB 0.30 Horz(TL) 0.03 6 n/a n/a **BCDL** 5.0 Code FBC2004/TPI2002 (Matrix) Weight: 112 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 5-6-1

oc purlins

BOT CHORD

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

REACTIONS (lb/size) 2=912/0-4-0, 6=912/0-4-0

Max Horz 2=200(load case 5)

Max Uplift 2=-255(load case 6), 6=-255(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/45, 2-3=-1250/547, 3-4=-1116/606, 4-5=-1116/606, 5-6=-1250/547, 6-7=0/45

BOT CHORD 2-10=-291/958, 9-10=-80/657, 8-9=-80/657, 6-8=-291/958 WEBS 3-10=-234/229, 4-10=-261/494, 4-8=-261/494, 5-8=-234/229

JOINT STRESS INDEX

2 = 0.65, 3 = 0.34, 4 = 0.54, 5 = 0.34, 6 = 0.65, 8 = 0.46, 9 = 0.48 and 10 = 0.46

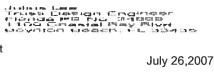
NOTES

- 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 255 lb uplift at joint 2 and 255 lb uplift at joint 6.

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

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 decode. 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	ORLEANS/1580 CANOPY PASTURE DR.	7
L246421	T19	COMMON	8	1	J1869350	
				,	Job Reference (optional)	

Builders First Source, Jacksonville ,Florida 32244

6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Jul 26 14:13:35 2007 Page 2

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-4=-54, 4-7=-54, 2-10=-10, 8-10=-50(F=-40), 6-8=-10

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Scale = 1:47.0

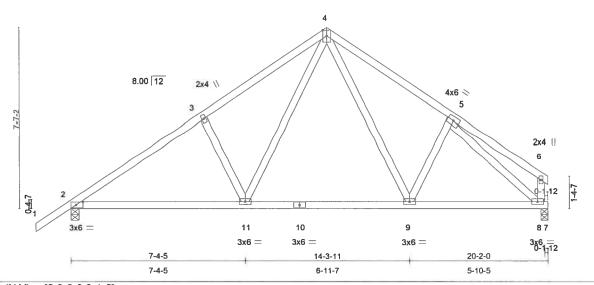


Plate Off	sets (X,Y)	: [2:0-3-9,0-1-8]				·					1	
LOADIN	G (psf)	SPACING	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.24	Vert(LL)	0.11	9-11	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.47	Vert(TL)	-0.21	9-11	>999	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.44	Horz(TL)	0.02	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TF	PI2002	(Mati	rix)						Weight: 113 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 5-9-0

oc purlins, except end verticals.

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

REACTIONS (lb/size) 2=852/0-4-0, 8=777/0-3-8

Max Horz 2=218(load case 5)

Max Uplift 2=-243(load case 6), 8=-167(load case 7)

FORCES (Ib) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/45, 2-3=-1146/503, 3-4=-1012/561, 4-5=-901/516, 5-6=-109/88, 6-8=-126/100

BOT CHORD 2-11=-372/873, 10-11=-161/571, 9-10=-161/571, 8-9=-296/698, 7-8=0/0

WEBS 3-11=-235/228, 4-11=-258/495, 4-9=-175/317, 5-9=-65/136, 5-8=-919/392

JOINT STRESS INDEX

2 = 0.59, 3 = 0.34, 4 = 0.56, 5 = 0.30, 6 = 0.61, 8 = 0.36, 9 = 0.46, 10 = 0.46 and 11 = 0.46

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 243 lb uplift at joint 2 and 167 lb uplift at joint 8.

E) In the JOAD GESE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

July 26,2007

Marning - 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	ORLEANS/1580 CANOPY PASTURE DR.
		LIZ.			J1869351
L246421	T19A	COMMON	4	1	
					Job Reference (optional)

Builders First Source, Jacksonville ,Florida 32244

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LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-4=-54, 4-6=-54, 2-11=-10, 9-11=-50(F=-40), 8-9=-10

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6.300 s Feb 15 2006 MiTek Industries, Inc. Wed Jul 25 12:55:48 2007 Page 1

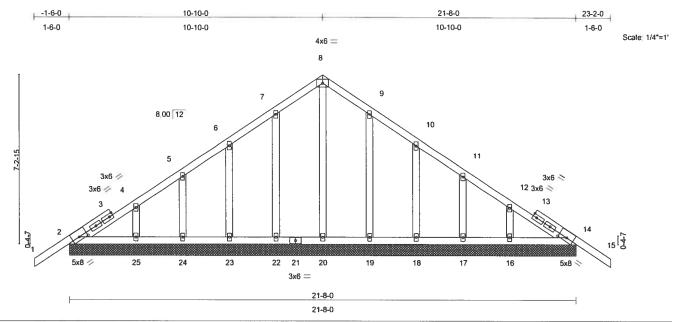


Plate Of	fsets (X,Y): [2:0-4-5,0-1-12], [4:0-4-5,0	-1-12]							1-200	
LOADIN	IG (psf)	SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.22	Vert(LL)	-0.01	Ì 15	n/r	120	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	ВС	0.04	Vert(TL)	-0.02	15	n/r	90		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.12	Horz(TL)	0.01	14	n/a	n/a		
BCDL	5.0	Code FBC2004/TF	PI2002	(Mat	rix)						Weight: 131 lb	

 LUMBER

 TOP CHORD
 2 X 4 SYP No.2

 BOT CHORD
 2 X 4 SYP No.2

 OTHERS
 2 X 4 SYP No.3

SYP No.2 TOP CHORD SYP No.2 SYP No.3 BOT CHORD

BRACING
TOP CHORD
Structural wood sheathing directly applied or 6-0-0 oc purlins.

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

REACTIONS (lb/size)

2=301/21-8-0, 14=301/21-8-0, 20=166/21-8-0, 22=193/21-8-0, 23=195/21-8-0, 24=189/21-8-0, 25=219/21-8-0, 19=193/21-8-0, 18=195/21-8-0, 17=189/21-8-0, 16=219/21-8-0

Max Horz 2=245(load case 5)

Max Uplift 2=-143(load case 6), 14=-166(load case 7), 22=-128(load case 6), 23=-139(load case 6), 24=-145(load case 6), 25=-106(load case 6), 19=-125(load case 7), 18=-140(load case 7), 17=-144(load case 7), 16=-112(load case 7)

Max Grav 2=301(load case 1), 14=301(load case 1), 20=166(load case 1), 22=197(load case 10), 23=195(load case 1), 24=190(load case 10), 25=219(load case 1), 19=197(load case 11), 18=195(load case 1), 17=190(load case 11), 16=219(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-6/70, 2-3=-186/149, 3-4=-186/150, 4-5=-144/144, 5-6=-93/138, 6-7=-74/172,

7-8=-74/214, 8-9=-74/211, 9-10=-74/150, 10-11=-74/77, 11-12=-76/51,

12-13=-98/62, 13-14=-97/61, 14-15=-6/70

BOT CHORD 2-25=-35/179, 24-25=-35/179, 23-24=-35/179, 22-23=-35/179, 21-22=-35/179,

20-21=-35/179, 19-20=-35/179, 18-19=-35/179, 17-18=-35/179, 16-17=-35/179,

14-16=-35/179

WFRSued on page 20=-146/8, 7-22=-178/140, 6-23=-175/152, 5-24=-171/153, 4-25=-196/130,

Jelles Leer Teles Cosson Engineer Plands PE No Binder 1456 Pestal Engilled Wolfon Wester, Fl. 19415

July 26,2007



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 Handfling 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	PRUDENTIAL BUILDERS	1
L246421	T19G	GABLE	1	1	J1869352	
					Job Reference (optional)	

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JOINT STRESS INDEX

2 = 0.40, 3 = 0.00, 3 = 0.21, 3 = 0.21, 4 = 0.33, 5 = 0.33, 6 = 0.33, 7 = 0.33, 8 = 0.27, 9 = 0.33, 10 = 0.33, 11 = 0.33, 12 = 0.3313 = 0.00, 13 = 0.21, 13 = 0.21, 14 = 0.40, 16 = 0.33, 17 = 0.33, 18 = 0.33, 19 = 0.33, 20 = 0.33, 21 = 0.15, 22 = 0.33, 23 = 0.33, 24 = 0.33, 25 = 0.330.33, 24 = 0.33 and 25 = 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 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.
- 3) Truss designed for wind loads in the plane of the truss only. For study exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
- 4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) All plates are 2x4 MT20 unless otherwise indicated.
- 6) Gable requires continuous bottom chord bearing.
- 7) Gable studs spaced at 2-0-0 oc.
- 8) 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 143 lb uplift at joint 2, 166 lb uplift at joint 14, 128 lb uplift at joint 22, 139 lb uplift at joint 23, 145 lb uplift at joint 24, 106 lb uplift at joint 25, 125 lb uplift at joint 19. 140 lb uplift at joint 18, 144 lb uplift at joint 17 and 112 lb uplift at joint 16.

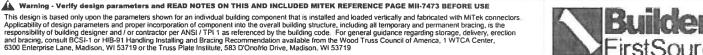
LOAD CASE(S) Standard

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

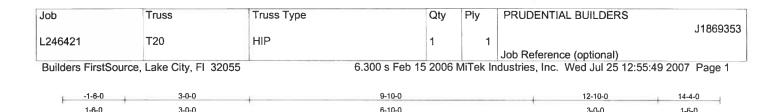
Vert: 1-8=-87, 8-15=-87, 2-14=-10

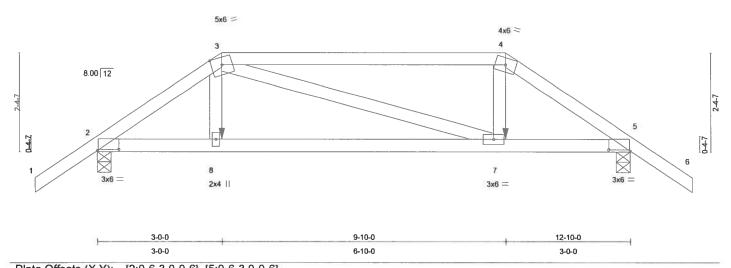
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LOADIN	IG (psf)	SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.40	Vert(LL)	-0.04	7-8	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.28	Vert(TL)	-0.10	7-8	>999	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.06	Horz(TL)	0.01	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TI	212002	(Mat	rix)	, ,					Weight: 61 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. **WEBS** 2 X 4 SYP No.3 **BOT CHORD** Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=576/0-4-0, 5=573/0-4-0 Max Horz 2=-59(load case 6)

Max Uplift 2=-194(load case 5), 5=-192(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/45, 2-3=-761/250, 3-4=-611/245, 4-5=-757/253, 5-6=0/45

BOT CHORD 2-8=-228/609, 7-8=-230/603, 5-7=-177/605

WEBS 3-8=0/200, 3-7=-54/57, 4-7=0/196

JOINT STRESS INDEX

2 = 0.66, 3 = 0.47, 4 = 0.59, 5 = 0.64, 7 = 0.12 and 8 = 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; 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

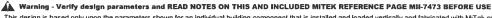
Continued on page 2

3-0-0

1-6-0

Scale = 1 26 8

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Job	Truss	Truss Type	Qty	Ply	PRUDENTIAL BUILDERS	
L246421	T20	HIP	1	1	J186935	3
					Job Reference (optional)	

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NOTES

- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 194 lb uplift at joint 2 and 192 lb uplift at joint 5.
- 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)

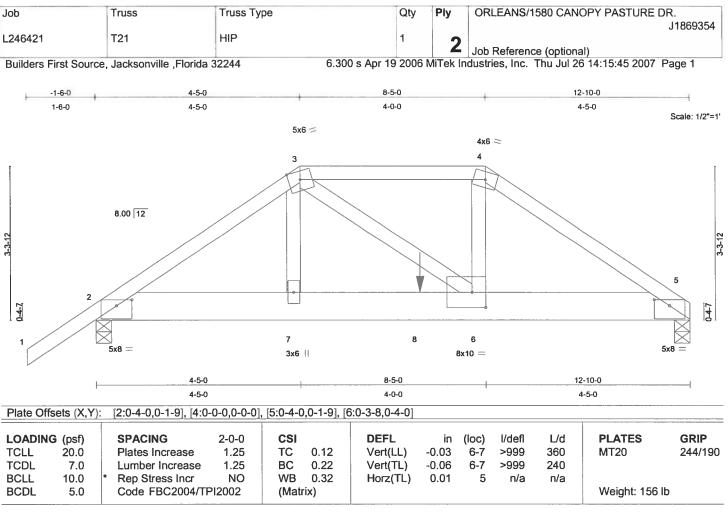
Vert: 1-3=-54, 3-4=-63(F=-9), 4-6=-54, 2-8=-10, 7-8=-12(F=-2), 5-7=-10

Concentrated Loads (lb)

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







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 6-0-0

oc purlins

BOT CHORD Rig

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

REACTIONS (lb/size) 5=3065/0-4-0, 2=1801/0-4-0

Max Horz 2=100(load case 4)

Max Uplift 5=-1042(load case 3), 2=-564(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/50, 2-3=-2996/989, 3-4=-3394/1198, 4-5=-4024/1365

BOT CHORD 2-7=-855/2433, 7-8=-844/2398, 6-8=-844/2398, 5-6=-1113/3293

WEBS 3-7=-212/679, 3-6=-516/1292, 4-6=-707/2002

JOINT STRESS INDEX

2 = 0.40, 3 = 0.39, 4 = 0.55, 5 = 0.52, 6 = 0.21 and 7 = 0.11

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 0-7-0 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 considered equally applied to all plies, except if noted as front (F) or back (B) face in the considered equally applied to all plies, except if noted as front (F) or back (B) face in the considered equally applied to all plies, except if noted as front (F) or back (B) face in the considered equally applied to all plies, except if noted as front (F) or back (B) face in the considered equally applied to all plies, except if noted as front (F) or back (B) face in the considered equally applied to all plies, except if noted as front (F) or back (B) face in the considered equally applied to all plies, except if noted as front (F) or back (B) face in the considered equally applied to all plies, except if noted as front (F) or back (B) face in the considered equally applied to all plies, except if noted as front (F) or back (B) face in the considered equally applied to all plies, except if noted as front (F) or back (B) face in the considered equally applied to all plies, except if noted as front (F) or back (B) face in the considered equally applied to all plies, except if noted as front (F) or back (B) face in the considered equally applied to all plies (B) and the considered equally applied to all plies (B) and the considered equally applied to all plies (B) and the considered equally applied to all plies (B) and the considered equally applied to all plies (B) and the considered equally applied to all plies (B) and the considered equally applied to all plies (B) and the considered equally applied to all plies (B) and the considered equally applied to all plies (B) and the considered equally applied to all plies (B) and the considered equally applied to all plies (B) and the considered equally applied to all plies (B) and the considered equally applied to all plies (B) and the considered equally applied to all plies (B) and the considered equally applied to all plies (B) and the considered equally applied

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; Confidence on page 2s; Lumber DOL=1.60 plate grip DOL=1.60.

July 26,2007

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	ORLEANS/1580 CANOPY PASTURE DR.
					J1869354
L246421	T21	HIP	1	2	
					Job Reference (optional)

Builders First Source, Jacksonville, Florida 32244

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NOTES

- 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 1042 lb uplift at joint 5 and 564 lb uplift at joint 2.
- 9) Girder carries tie-in span(s): 27-10-0 from 8-0-0 to 12-10-0

LOAD CASE(S) Standard

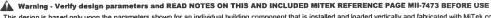
1) Regular: Lumber Increase=1.25, Plate Increase=1.25

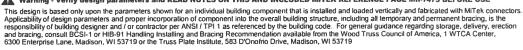
Uniform Loads (plf)

Vert: 1-3=-54, 3-4=-54, 4-5=-54, 2-6=-10, 5-6=-418(F=-408)

Concentrated Loads (lb) Vert: 8=-2182(F)









Γ.	Job	Truss	Truss Type	Qty	Pty	PRUDENTIAL BUILDERS
	040404	Too	COMMON	2		J1869355
1	L246421	122	COMMON	2	'	lab Reference (entional)
						Job Reference (optional)

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Scale = 1.29 3

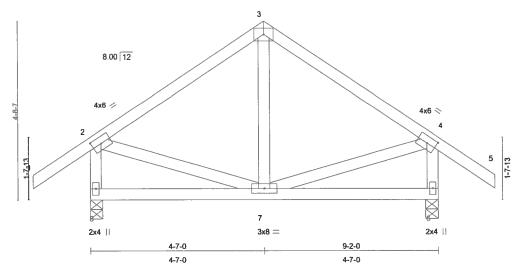


Plate Offsets (X,Y): [2:0-2-14,0-2-0], [4:0-2-14,0-2-0]	Plate Offsets	(X,Y):	[2:0-2-14,0-2-0],	[4:0-2-14,0-2-0
	Plate Offsets	(X Y)-	12-0-2-14 0-2-01	14.0-2-14 0-2-

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	0.25	Vert(LL)	0.02	7-8	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.11	Vert(TL)	-0.01	7-8	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.07	Horz(TL)	-0.00	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TF	PI2002	(Mat	rix)						Weight: 58 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 Structural wood sheathing directly applied or

6-0-0 oc purlins, except end verticals. **BOT CHORD** Rigid ceiling directly applied or 10-0-0 oc

bracing.

REACTIONS (lb/size) 8=373/0-4-0, 6=373/0-4-0

Max Horz 8=138(load case 5)

Max Uplift 8=-236(load case 6), 6=-236(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/49, 2-3=-247/356, 3-4=-247/356, 4-5=0/49, 2-8=-350/408, 4-6=-350/408

BOT CHORD 7-8=-163/138, 6-7=-28/32

3-7=-219/90, 2-7=-111/133, 4-7=-115/134 **WEBS**

JOINT STRESS INDEX

2 = 0.45, 3 = 0.31, 4 = 0.45, 6 = 0.67, 7 = 0.12 and 8 = 0.67

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; end vertical left and right exposed; 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.

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

Chall hearing page assumed to be SYP No.2 crushing capacity of 565.00 psi

July 26,2007



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Job	Truss	Truss Type	Qty	Ply	PRUDENTIAL BUILDERS	
1040404	Taa	COMMON	2		J186935	5
L246421	122	COMMON	2	1	lab Deference (antional)	
					Job Reference (optional)	

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NOTES

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 236 lb uplift at joint 8 and 236 lb uplift at joint 6.

LOAD CASE(S) Standard

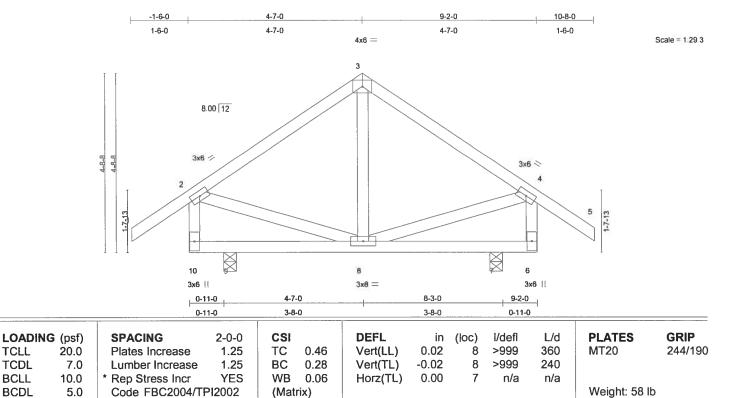
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Job	Truss	Truss Type	Qty	Ply	PRUDENTIAL BUILDERS	1
L246421	T22A	COMMON	1	1	J1869356	
L24042 I	TZZA	COMMON	'	'	Job Reference (optional)	

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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

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

TOP CHORD Structural wood sheathing directly applied or

6-0-0 oc purlins, except end verticals.

BOT CHORD Rigid ceiling directly applied or 6-0-0 oc

bracina.

REACTIONS (lb/size) 9=373/0-4-0, 7=373/0-4-0

Max Horz 9=-138(load case 4)

Max Uplift 9=-247(load case 6), 7=-247(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/49, 2-3=-125/186, 3-4=-125/186, 4-5=0/49, 2-10=-284/316, 4-6=-284/316

BOT CHORD 9-10=-94/159, 8-9=-125/185, 7-8=-94/159, 6-7=-94/159

3-8=-183/5, 2-8=-123/153, 4-8=-126/153 **WEBS**

JOINT STRESS INDEX

2 = 0.67, 3 = 0.42, 4 = 0.67, 6 = 0.43, 8 = 0.14 and 10 = 0.43

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; cantilever left and right exposed; end vertical left and right exposed; 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.
- 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

July 26,2007

Continued on page 2

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Job	Truss	Truss Type	Qty	Ply	PRUDENTIAL BUILDERS	
						J1869356
L246421	T22A	COMMON	1	1		
					Job Reference (optional)	

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NOTES

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 247 lb uplift at joint 9 and 247 lb uplift at joint 7.

LOAD CASE(S) Standard



Job	Truss	Truss Type	Qty	Ply	PRUDENTIAL BUILDERS
					J1869357
L246421	T22G	GABLE	1	1	
					Job Reference (optional)

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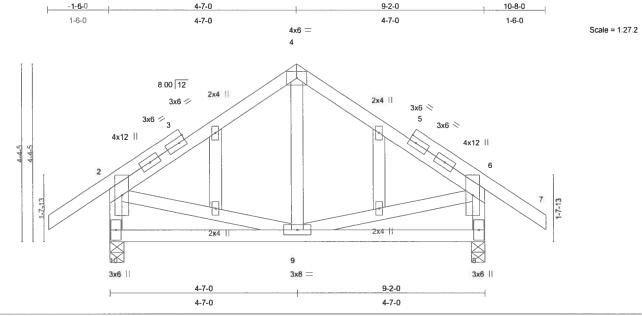


Plate Of	fsets (X,Y	(): [13:0-0-0,0-0-0]		т								
LOADIN	IG (psf)	SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.45	Vert(LL)	0.02	9-10	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.10	Vert(TL)	-0.01	9-10	>999	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.07	Horz(TL)	-0.00	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TI	212002	(Mat	rix)						Weight: 69 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, except end verticals.
WEBS	2 X 4 SYP No.3	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc
OTHERS	2 X 4 SYP No.3		bracing.

REACTIONS (lb/size) 10=574/0-4-0, 8=574/0-4-0

Max Horz 10=-165(load case 4)

Max Uplift 10=-498(load case 6), 8=-498(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-32/69, 2-3=-388/540, 3-4=-290/497, 4-5=-291/497, 5-6=-388/540, 6-7=-32/69,

2-10=-545/693, 6-8=-545/693

BOT CHORD 9-10=-236/136, 8-9=-106/89

WEBS 4-9=-180/75, 2-9=-165/168, 6-9=-179/168

JOINT STRESS INDEX

2 = 0.96, 3 = 0.00, 3 = 0.40, 3 = 0.40, 4 = 0.56, 5 = 0.00, 5 = 0.40, 5 = 0.40, 6 = 0.96, 8 = 0.40, 9 = 0.15, 10 = 0.40, 11 = 0.00, 12 = 0.00, 13 = 0.00 and 14 = 0.00

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 gable end zone and C-C Exterior(2) zone; end vertical left and right exposed; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is Cofficient of the control of the

Julium Lerr Truss Coston Chotraser Histor Pin No. 3-1860 Histor Chastel Pay Blod Boyton Lescy, F. 23-400

July 26,2007



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Job	Truss	Truss Type	Qty	Ply	PRUDENTIAL BUILDERS	
L246421	T22G	GABLE	1	1	J18693	57
LZTOTZI	1223	O' ISEE	'	,	Job Reference (optional)	

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NOTES

- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
- 4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) Gable studs spaced at 2-0-0 oc.
- 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 498 lb uplift at joint 10 and 498 lb uplift at joint 8.
- 8) Gable truss supports 18" max. rake gable overhang.

LOAD CASE(S) Standard

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

Vert: 1-2=-87, 2-4=-87, 4-6=-87, 6-7=-87, 8-10=-10

Judicia: Lawre Priors (Indexign Chadienese Prioriza Pill Fid. Indexe 1400 (Indexida Pay Pilve)

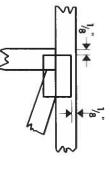


Symbols

PLATE LOCATION AND ORIENTATION



*Center plate on joint unless dimensions indicate otherwise. Dimensions are in inches. Apply securely seat plates to both sides of truss and



*For 4 x 2 orientation, locate plates 1/8" from outside edge of truss and vertical web.



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

PLATE SIZE

4 × 4

The first dimension is the width to slots. dimension is the length paralle perpendicular to slots. Second

LATERAL BRACING



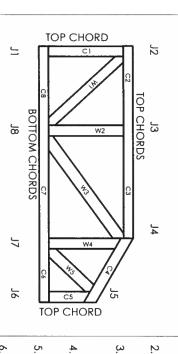
continuous lateral bracing. Indicates location of required

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 APPROVAIS

BOCA CBO 96-31, 96-67

3907, 4922

WISC/DILHR SBCCI 960022-W, 970036-N 9667, 9432A

561

NER R



MiTek Engineering Reference Sheet: MII-7473

General Safety Notes

Damage or Personal Injury Failure to Follow Could Cause Property

- Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
- Ņ Cut members to bear tightly against each
- ω joint and embed fully. Avoid knots and wane at joint locations. Place plates on each face of truss at each
- 4 at 1/4 panel length (± 6" from adjacent joint.) Unless otherwise noted, locate chord splices

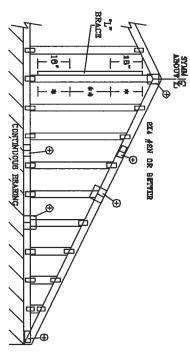
Unless otherwise noted, moisture content of

lumber shall not exceed 19% at time of fabrication.

- ٥. 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 is the responsibility of truss fabricator. General practice is to camber for dead load deflection
- œ Plate type, size and location dimensions shown indicate minimum plating requirements.
- 9 Lumber shall be of the species and size, and in all respects, equal to or better than the grade specified.
- 0. Top chords must be sheathed or purlins provided at spacing shown on design.
- Bottom chords require lateral bracing at 10 unless otherwise noted ff. spacing, or less, it no ceiling is installed
- Anchorage and / or load transferring connections to trusses are the responsibility of others unless shown.
- 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 engineer.
- © 1993 MiTek® Holdings, Inc. 15. Care should be exercised in handling erection and installation of trusses.

ASCE 7-02: 130 MPH WIND SPEED 15] MEAN HEIGHT, ENCLOSED, \vdash \parallel 1.00, EXPOSURE \overline{C}

]	M.	A.	X		G	ŀA	LΕ	3I	J	3	1	V.	E	R	Τ	Ί	7	A	L		L	E	N	C	Ή	Ή	
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	STANDARD	STUD	# 3	#2	41	STANDARD	STUD	#3	#1 / #B	STANDARD	STUD	4 3	#2	4 2	STANDARD	STUD	#8	£1 / #2	STANDARD	STUD	# 3	#2	4 1	STANDARD	STUD	#3	\$1 / #2	GRADE	BRACE
	4 3	4' 4"	4' 4"	4' 7"	4 B"	4' 2"	4' 2"	4,	4. 3.	3' 10"	4'0"	4' 0"	4' 2"	4' 3"	3' 9"	3' 9"	3' 8"	3 10"	3' 4"	3 B		3' 7"	3'8"	3. 3.		3' 3"		BRACES	20
	8' 1"	7' 1"	7' 2"	7' 4"	7' 4"	6' 11"	6' 11"	6' 11"	7. 4.	5' 3"	B' 1"	8.8	8' 8"	B 8"	5.	8' 0"	B' 0"	6.8	4' 3"	5' 0"	5 0	6' 10"	5' 10"	4.	4' 11"	4' 11"	6. 10	GROUP A	(1) 1X4 T.
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SI PUCKS	В' 0"	φ. Ν.	9' 2"	9' 5"	8 ²	7' 10"	8' 9"			6' 11"	B' 1ª	B. 2	_	1	6. 10_	7' 11"	7' 11"	B' 1 ⁻	5' 8"		6' 8"	7' 5"	Ιī	5, 6,	6' 5"	6' 6"	7' 1"	A GROUP B	BRACE •
ā	10' 5"	10' 6"	10' 5"	10' 6"	10 5	10' 6"	10' 5"		10' 6"	91 4"	8 5°	_			8. 8.	9' 5"		9' 5"			e' 3"		8' 3"	٠,	B_ 83*	B 3*	B. 3	GROUP A	(2) 2X4 "L"
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	12, 6,	13' 8"	13' 6"	13' 8"		12' 3"		13' 8"	13' 8"			18' 6"	12' 6"	12, 5,	10' 7"	12' 4"		12' 6"	8' 10°	10' 3"	10" 4"	10' 10"	10' LO"	٠.	10' D"	10' 1"	10' 10"	GROUP A	(1) 2X8 T
	12 6"					12' 3"	13' 8"	13' B"		10' 10"	12, B,		13' 5"							10' 3"	10' 4"	11' 8"	11' 8"		10' 0"	10' 1"	11, 2,	GROUP	BRACE +
	14' 0"	14. 0	14' 0"	14' 0"	14 0	14' 0"	14' 0"	14' 0"	14. 0	14' 0"	14' 0°	14. 0	14' 0"	14' 0"	14. 0.	14' 0"	14' 0"	14' 0"	12' 0"	12' 11"	12° 11°	12' 11"	12' 11"		12' 11"	12' 11"	12' 11"	B GROUP A GROUP B	(2) ZXB 'L' HRACE
	14' 0"	14. 0	14' 0"	14' 0"	14. 0	14' 0"	14' 0"	14 0	14. 0"	14' 0"	14 0*	14' 0"	14' 0"	14' D"	14. 0	14' D"	14' 0"	14. 0.	12' 0"	13' 7"	13' 7"	13' 11"	13' 11"	11' 8"	12' 11"	12' 11"	13′ 3″	GROUP B	HRACE **
DUTIDONERS WITH E' O' DVINBANG, DR 12"	CABLE RND STIPPORTS LOAD FROM 4 D	CONTINUOUS BEARING (5 PSF TC DYAD LOAD).	PROVIDE UPLITE CONNECTIONS FOR 136 FLF OVER	LIVE LOAD DEPLICATION CHATERIA IS L/240.		CARLE TRUSS DETAIL NOTES:			35	T	SDUTHING PINE DOUGLAS FIR-MARCH		The State of the S	THE ALE		GROUP B.			9	Olithe Olithe	R-LARCH SOUTH		STUD #3 ST		SDBILLE - DINE - BIR - BIR - BIR	CROILD V:	BRACING GROUP SPECIES AND GRADES:		



DIAGONAL BEACE OPTION:

VENTICAL LENGTH MAX BE

DOUBLED WHEN DIAGONAL

BRACE IS USED, CONNECT

THACONAL BEACE TOR BAG

AT EACH END. MAX WEE

TOTAL LENGTH IS 14.

GABUT THUBS

VERTICAL LENGTH BHOWN IN TABLE ABOVE.

ZX4 EF #ZN, DF-L #Z,
SPF #/#Z, DR BETTER
DIAGONAL BRACT;
ENVCLUS OR DOUBLE
CUY [AS SELWN) AT

MODERAL DIAGONAL AL

REPER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH

	CABLE
	TRUSS
	DETAIL NOTES
3	NOTES

PLYWOOD OVERHANG. BLE END BUPPORIS LOAD PROM 4' 0" OVIDE UPLAT CONNECTIONS FOR 136 FLF OVER CONTINUOUS BEARING (6 PSF FC DYAD LOAD). E LOAD DEPLECTION CHATERIA IS L/240.

ATTACE EACH 'L' BRACE WITH 104 NAIS.

* FOR (1) 'L' BRACE; SPACE WILLS AF 2° O.C.

* FOR (2) 'L' BRACES; SPACE NAILS AT 3° O.C.

** FUR (2) 'L' BRACES; SPACE NAILS AT 3° O.C.

N 18° END ZONES AND 6° O.C. BETHERN ZONES. I' BRACING MUST BE A MINIMUM OF 80% OF WEB MINIMUM OF 80% OF WEB

HEREL FLATES.	FRAX, SPLICE, AND HEEL
TEURS DABIGN FOR	+ REFER TO COMMON THURS
2.5X4	GREATER THAN 11' 0"
200	11 8
	GREATER THAN 4' D', BUT
IX4 OR EX3	LESS THAN 4' 0"
NO BPLICE	AREAGAT TRACEH
TE SIZES	GABLE VERTICAL PLATE

OF AMERICA, 6200 ENTERPRISE LAL MADISIN, VI SOTIE) FÈR SAFETI PAGLITICAS POUR TO PREFIDING. THOSE PAGETONS. UNICSS DIFERVISE MODICATED, TOP OCCUP SHALL HAVE PROPERLY ATTACED. STRUCTURAL PAGELS AND EDITION CHERG SMALL HAVE A PROPERLY ATTACED ROLD CELLING.	
DET	00

				5		
STATE OF FLORIDA	No. 34RAG			DELEAT HEACH, FL. SCIALA-2161	CONS. ENGINEERS P.A.	S, HH I SIII IIII
MAX.		мах.				
MAX. SPACING 24.0"		MAX. TOT. LD. 60 PSF				
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24		60				
o,		PSF				
			-ENG	DRWG	DATE	REF
				DRWG myek sid gable 16 e he	11/26/03	ASCE7-02-GAB13015

ASCE 7-02: 130 MPH WIND SPEED, 30, MEAN HEIGHT, ENCLOSED, Ш 1.00, EXPOSURE \bigcirc

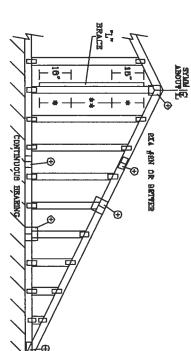
STANDARD

SOUTHERN PINE #3 9TUD 9TANDARD

BRACING GROUP SPECIES AND GRADES:

GROUP A:

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	STANDARD	STUD	£	2#	1.4	STANDARD	CUIS	ú	#1 / #B	STANDARD	CUIS	£4	27#	1.4	STANDARD	CUIS	اتت	2# / LF	STANDARD	STUD	£ 3	# N	<u>*</u>	STANDARD	CUTS	Ċ	£1 / #2	GRADE	BRACE
	4'0"	4. 27	4 2	4' 4"	4 5"		3' 11"	1	4 0	3' 6"	3 8	3. 8.	8' 11"	4'0"	3. Y	8, 5,	3' 7"	3. 8	3' 0"	3' 3"	છ	ω <u>.</u>	3 B	2' 11"	8' 1*		3. 2.	BRACES	Š
	5' 6"	6' 4"	B' 5"	6' 11"	B' 11°	5' 4"	B' 3"		6' 11	4' B.	5, 6,	_	6' 4"	B' 4"	4. 6.	p. 6	S,	6' 4"	3' 10"	4 6	4. 6,	5 6,	5' 6"	3' 9"	4' 6"	4' 5"	5. 6,	GROUP A	(1) 1344 "
	5' B"	6 4	6' 5"	7' 8"		5' 4"		6' 3"		4' 9"	5, 8,		6' 10"	B' 10"	4' B"	6' 6"	5' 5"		3' 10"	4' B"	4. 6.	5' 11"	5' 11"	3′ B*	4' 5"	4' 5"	6, 8,	GROUP H	"L" BIRACE +
	7' 3"	8, 3,	8' 3"	B' 3"	1 1		8º 3"		6. 3.	6' 3"	7' 3"	7' 4"	7º 8"	7' B"	6. 8.	7. 2.	P) 2"		5' 1"	5' 11"	6, 0,	6' 6"	8' B"	6' D"	6' 10"	6. 10.	6' 6"	GROUP A	(1) 2X4 "L"
PUTAS	7' 3"	8. 6.	8' 6"	B' 11"		7' 1"	8 3			8, 3,	7' 3"	7' 4"	B' 1"	B' 1"	6. 8	7 2	7' 2"	7' 8"	5' 1 "	5' 11"	6. 0.	7' 0"	7' 0"		5' 10°	1	8. 9.	GROUP B	L" BRACE .
E Fi	B. 6	9' 10"	9' 10"	9' 10"		9' 6"	9' 10"		9. 10.	a³ 5"	8' 11"	B* 11"	8' 11"	8° 11"	8.3	B' 11"	1	8 . 11.	ľ	7' 10"	7' 10"	7' 10"	7' 10"	6' 9	7' 10"	7' 10"	7' 10"	GROUP A	(2) 2X4 "L"
	8, 8,	10' 4"	10' 4"	10' 7"	10' 7"	9' 6"	9' 10"		10. 1.	B' 5"		9' 6"	9' 7"	B' 7"	6. 3.	B' 11"	1 1	9. 2.		8' 0"	8' 1"	8' 5"	٦	8' B"	7' 10"	7' 10"	8, 0,	GROUP B	BRACE **
	11' 4"	12' 11"	12' 11"	12' 11"	1 7	11' 1"	12° 10"		1 1				11' 9"	11' 9"	_	11' 1"		11' 9"		B' 3*	9. 4.	10' 3"	10' 3"	ን' 10"	9' 1"		10 3	GROUP A	(1) exe
	11' 4"	13, 1,	18' 3"	13' 11"	13' 11"	11' 1"	12' 10"	12' 11"	15' 4"	9, 9,,	11' 4"	11' 6"	12' B"	12' B"	9. 7.	11" 1"	11' 2"	12' 1"	8′ D°	9 3	9 4	11, 1,	11' 1"	7' 10"	9' 1"	9, 1,	10' 7"		"L" BRACE .
	14' 0"	14. 0	14' 0"	14' 0"	14 0	14' 0"	14' 0"	14 0	14' 0"	13' 3"	14' 0"	14' 0"	14' 0"	14' 0"	12" 11"	14' 0"	14' 0"	14' 0"	10' 10"	12' 3"	12: 37	12' 3"	12' 3"	10' 7"	12' 3"	12' 3"	12' 3"	GROUP B GROUP A	(2) EXES (2)
	14' 0"	14. 0	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14 0	14' 0"	13' 9"	14' 0"	14' 0"	14" D"	14' 0"	18' 11"	14' 0"	14' 0"	14' 0"	1D' 10°	12' B"	12' B"	13' E'	13' 2"	10' 7"	12' 3"	12' 3"	12' 7"	GROUP B	HRACE ==
DUTLOOKSES WITH 2' O'	GARLE RND STIPPORTS 104	CONTINUE ELICITATION (PROVIDE HELLT CHARCE	TAL TOWN DELIZATION CE		CARLE TRIES					SOUTHING PINE			THE PART OF THE PA	area area	IIO 40			GENCINATE	or in	DOUGLAS FIR-LARCH		grus ca	#1 / #2 STANDARD	AND THE CALL OF TH	I CBOI	BRACING GROUP SPI		



DIAGONAL BEACE OPTION:
YESTICAL LENGTH MAY BE
DOUBLED WHITN DIAGONAL
HRACE IS USED. CONNECT
IMACONAL BEACE TOR BEIGH
AT EACH END. MAY WEB
TOWAL LENGTH IE 14.

SBURT THUSS

VERTICAL LENGTH SHOWN IN TABLE ABOVE.

ZX4 GP OR
DIFFER END
AT UPPER END
AT UPPER END

T LOAD DEPLECTION	CABLE
_	TRUSS
	DETAIL
1./240	NOTES:

DOUGLAS FIR-LARCH

20 1

HIM-PIR GROUP B:

GABLE END SUPPORTS LOAD FEON 4' 0" DUTLIDENESS WITH 2' 0" DVERHANG, DR 12" PLYMOOD OVERHANG. PROVIDE UPLIT CONNECTIONS FUR 180 FLF OVER CONTINUOUS BEARING (5 PSF FC DIAD LOAD).

ATTACH EACH 'L' ERACE WITH 104 NAIS.

FOR (1) 'L' ERACE; SPACE NAIS AF 2° O.C.

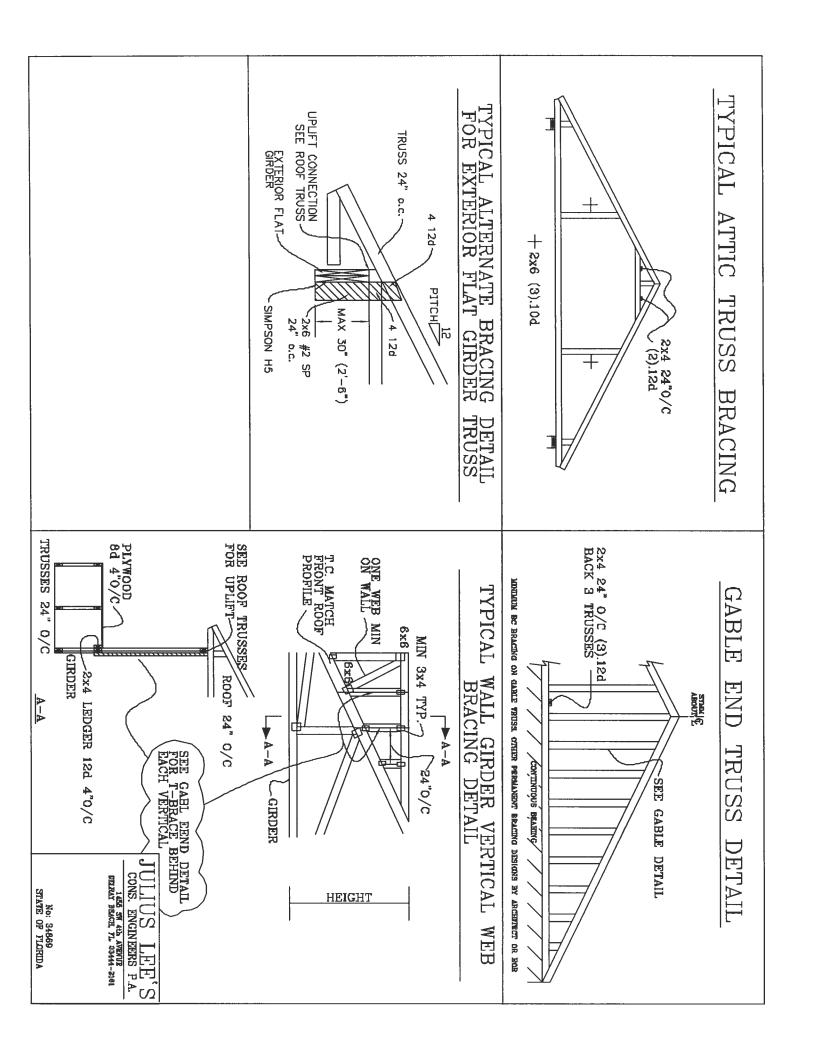
FOR (2) 'L' BRACES; SPACE NAIS AT 3° O.C.

BY 18° END ZONES AND 6° O.C. BETWEEN ZONES.

N 18° END ZONES AND 6° O.C. BETWEEN ZONES. T. BRACING MUST BE A MINIMUM OF 80% OF WEB MINIBER LENGTH.

PEAK, SPIJCE, AND HEEL FLATES	GREATER THAN 11' 6"	GREATER THAN 4' D', BUT	TESS THANK 4' 0"	ARBIDOT INCLH	GABLE VERTICAL PLATE SIZES
TRUBS DESIGN FOR	2.5X4	T ZX4	IX4 DR EXTS	ND SPLICE	AJE SIZES

						MEDPOINT OF VERTICAL WEST
		STRUCTURA STRUCTURA	STATE INS	NOVE AND THE		LICAT MECH
		ACTIONS, UNLESS OF	A, 6300 ENTERPRISE	TRUSSES REBUI		4
0		HERWISE INDICATED, T	LN, MADESON, VI 537	CHURCHE CARE IN		4
		THESE FAMILIANS. UNITES OTHERWISE INDICATED, THE CHIED SHALL HAVE PROPERTY ATTACHED REED CEILING. STRUCTURAL PANELS AND BRITCH CHORD SHALL HAVE A PROPERTY ATTACHED REED CEILING.	PLATE INSTITUTE, 383 D'OMERIO DE, SUITE 200, HADISON, VI 53719) AND VITA (MODD TRUSS COLACILI OF AMERICA, 6300 EMITERPRISE LII, HADISON, VI 53719) FOR SAFETY PRACTICES PRIOR TO PERFURNAS			REFER TO CHART ABOVE FOR MAX GABLE
No: 34869 STATE OF TLURIDA			DELEAY REACH FL 33444-2161	CONS. ENGINEERS P.A.		FUR MAX GABLE VERTICAL LENGTH
MAX. SPACING 24.0"	MAX. TOT. LD. 60 PSF					NGTH.
=	<u> </u> 뚝	-ENG	DWG misek sed greek so, e hi	DATE 11/26/03	REF ASCE7-02-CAB13030	



BOP CHORD CHORD WEBS 2X4 2X4 2X4 经路路 BETTER BETTER BETTER

PIGGYBACK DETAIL

TYPE

SPANS

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55

REFER TO SEALED DESIGN FOR DASHED PLATES.

SPACE PIGGYBACK VERTICALS AT 4' OC MAX.

TOP AND BOTTOM CHORD SPLICES MUST BE STAGGERED SO THAT ONE SPLICE IS NOT DIRECTLY OVER ANOTHER.

PIGGYBACK BOTTOM CHORD MAY BE OMITTED. TRUSS TOP CHORD WITH 1.5X3 PLATE. ATTACH VERTICAL WEBS TO

ATTACH PURLINS TO TOP OF FLAT TOP CHORD. IF PIGGYBACK IS SOLID LUMBER OR THE BOTTOM CHORD IS OMITTED, PURLINS MAY BE APPLIED HENEATH 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 7-93, CLOSED BIDG, LOCATED ANYWHERE IN ROOF, 1 MI FROM COAST CAT I, EXP C, WIND TC DL=5 PSF, WIND BC DL=5 PSF

130 MPH WIND, 30' MEAN BCT, ASCE 7-98, BLDG, LOCATED ANYWHERE IN ROOF, CAT II, WIND TO DL=6 PSF, WIND BC DL=6 PSF

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8

DR 3X6 TRULOX AT 4'
HOTATED VERTICALLY

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5X6

8

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1.5X3

1.5X4

1.5X4

1.5X4 5X6

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4X0 284

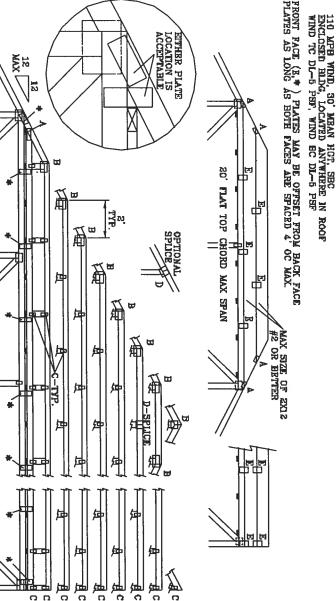
5X8

936

5X6 3X5

2.5X4

2.6X4



AWING 160	b) 0.120 x 1.37b 4) NAILS IN EACH AWING 160 TL FOR	ATTACH TRUCOX PLATES WITH (6) 0.120 X 1.376 NALLS, OK EQUAL, PER PACE PER PLY. (4) NALLS IN EACH MEMBER TO BE CONNECTED. REFER TO DRAWING 160 TL FOR TRULOX INFORMATION.
	N EACH O TL FOR	X 1.375 NALLS, (IN EACH MEMBER OF THE FOR TRULOX

1x4 "T" BRACE. MEMBER OR HE
1x4 "T" HRACE
7'9" TO 10' MEMBER. OR BETTER, AND 80% LENGTH SO MEMBER. OR BETTER, AND 80% LENGTH OC.
10' TO 14' MEMBER, OR HETTER, AND 80% LENGTH OF WEH MEMBER. ATTACH WITH 16d NAILS AT 4" OC.

0 4/48	 ATTACH TEETH TO THE PIGGYBACK AT THE TIME OF FABRICATION. ATTACH TO SUPPORTING TRUSS WITH (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.	* PIGGYBACK SPECIAL PLATE

	EXTARMINISM TRANSES REQUIRE EXTREME CARE IN FARRICATING, HANDLING, SHIPPING, DISTRALING AND IMAGING, REFER TO INCIL I AND GINE DAY THE GRIESS HANDLING SHIPPING INCIP IN THE CREATE TO INCIDENT. THE TARTHING THE TARE OF THE TARTHING THE TARE THE THE TARE TH					
No: 34868 STATE OF FLORIDA		JULIUS LEERS P.A.	THIS DRAWING			
SPACING 24.0"	47 PSF AT 1.15 DUR. FAC.	MAX LOADING 55 PSF AT 1.33 DUR. FAC. 50 PSF AT 1.25 DUR. FAC.				
		DATE 11/26/03 DRWGMITEK SID PIGGY -ENG JL	REPLACES DRAWINGS 634,016 634,017 & 847,045			

VALLEYTRUSS DETAIL

Top CHORD CHORD 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.

- ZX3 MAY BE RIPPED FROM A ZX6 (PITCHED OR SQUARE).
- ¥ ATTACH EACH VALLEY TO EVERY SUPPORTING TRUSS WITH: (2) 16d BOX (0.135" X 3.5") NAILS TOE-NAILED FOR SHC 110 MPH, ASCE 7-93 110 MPH WIND OR (3) 16d FOR ASCE 7-98 130 MPH WIND. 15' MEAN HEIGHT, ENCLOSED BUILDING, EXP. C, RESIDENTIAL, WIND TC DL=5 PSF.

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

ENGINEERS' SEALED DESIGN. BY VALLEY TRUSSES USED IN LIEU OF PURLIN SPACING AS SPECIFIED ON PURLINS AT 24" OC OR AS OTHERWISE SPECIFIED ON ENGINEERS' SEALED DESIGN

*** 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. ++ LARGER SPANS MAY BE BUILT AS LONG AS THE VERTICAL HEIGHT DOES

CUT FROM 2X6 OR LARGER AS REQ'D

4-0-0

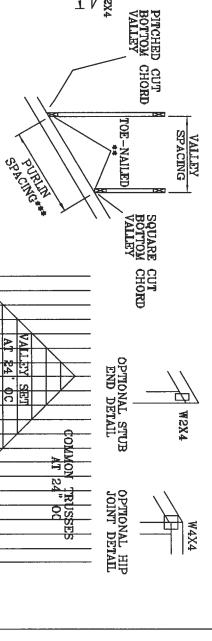
12 MAX WZX4

W2X4

WZX4

NOT EXCEED 12'0".

BOTTOM CHORD MAY BE SQUARE OR PITCHED CUT AS SHOWN



X174 12 MAX

껆

B-0-0 MAX

WIX3

W1X3

(MAX SPACING

WZX4

6-0-0

16-0-0 MAX-

W1X3

12 MAX

12

₩4X4

WEVARINGER TRUISCS REQUERE CATRIDE EARE IN FABRITATION, HANDLING SHIPPING, INSTALLING AND BACING REFER TO MISS IN TO GIUILIDAG EIDPONDRI SAFETY MATERIANTON), PAULISHID BY THE CHARS. PAULISH DAYS THE DAYS INTO AND THE TRUIS COUNTY OF AREICH, AND DATERPASSE INTERNAS, VILITE BON, MANISON, V. 537799 AND VITCA VICTOR TRUIS COUNTY OF AMERICA, AND DATERPASSE IN, MANISON, VI. 53739 FIRE SAFETY PRACTICES PRIOR TO PERFORM OF THE PROPERTY ATTACKED BY THE PARKET AND MATERIAL PARKETS AND MATERIAL PAR

SUPPORTING TRUSSES AT 24" OC

MAXIMUM SPACING

20-0-0 MAX (++)

W1X3

W1X3 W5X4/SPL

(MAX SPACING)

W1X3

W2X4

COMMON

RUSSES

PARTIAL FRAMING

PLAN

000

THIS DRAWING REPLACES DRAWING ALOS

74

W1X3

DELEAT BEACH, IL SSA44-EIGH ZULI No: 34869 STATE OF FLORIDA ENGINEERS P.A. H BC DL TC DL BC II C SPACING DUR.FAC. 1.25 TOT. LD F 88 200 80 Ç מא 4. 1.25 40 PSF PSF PSF PSF PSF REF DATE DRWG -ENG VALTRUSS1103 11/26/03 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-1997 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."

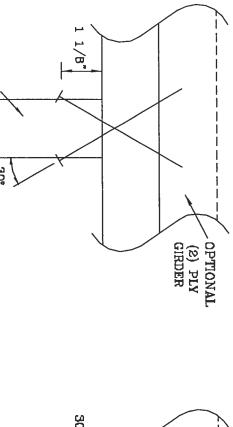
THE NUMBER OF TOE-NAILS TO BE USED IN A SPECIFIC APPLICATION IS DEPENDENT UPON PROPERTIES FOR THE CHORD SIZE, LUMBER SPECIES, AND NAIL TYPE. PROPER CONSTRUCTION PRACTICES AS WELL AS GOOD JUDGEMENT SHOULD DETERMINE THE NUMBER OF NAILS TO BE USED.

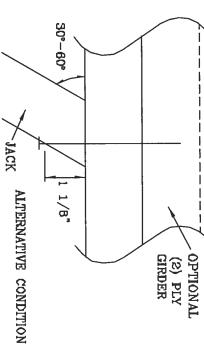
THIS DETAIL DISPLAYS A TOE-NAILED CONNECTION FOR JACK FRAMING INTO A SINGLE OR DOUBLE PLY SUPPORTING GIRDER.

MAXIMUM LATERAL RESISTANCE OF 18d (0.162"X3.5") COMMON TOE-NAILS

NUMBER OF	SOUTHE	SOUTHERN PINE	DOUGLAS	DOUGLAS FIR-LARCH	HEM-FIR	-FIR	SPRUCE	SPRUCE PINE FIR
TOE-NAILS	1 PLY	2 PLIES 1 PLY		2 PLIES	1 PLY	2 PLIES	1 PLY	2 PLIES
ಬ	197#	256#	181#	234#	156#	203#	154#	199#
3	296#	383#	271#	351#	234#	304#	230#	298#
4	394#	511#	361#	468#	312#	406#	307#	397#
Ó	493#	#689	452#	585#	390#	507#	384#	498#

ALL VALUES MAY ΒE MULTIPLIED BY APPROPRIATE DURATION Ç LOAD FACTOR





THIS DRAWING REPLACES DRAWING 784040

JACK

	WARRONG == TRUSSES REBUNKE EXTREME CAME IN FARRICATING, HANDLING, SUMPRING, DASTALING AND COMPOSEN FAIRT SAFETY HUTSWAINED, PUBLISHED BY TPJ CRUSS FOR THE SERVICE STRUCK, CAUDID TRUSS COLAND. PARE INSTITUTE TO SAFETY FAIRT SERVICE STRUCK, MAISTAN, VI. 327191 AND VICA, MADD TRUSS COLAND. THESE TURCTINES, UNILESS CHIEFER SAFETY PARE PROPERTY ATTACHED RECENTAGE. STRUCTURAL PANILLS AND BUTTON CHORD SHALL HAVE A PROPERTY ATTACHED RECENTAGE.						
STATE OF FLORIDA	No. 34980			1450 ST 4th AVENUS DELIKAY SEACCH, FL S3444-2161	CONS. ENGINEERS P.A.	S, HH'I SIII'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		REF	
			JL	DRWG CNTONAIL1103	DATE 11/26/09	TOE-NAIL	

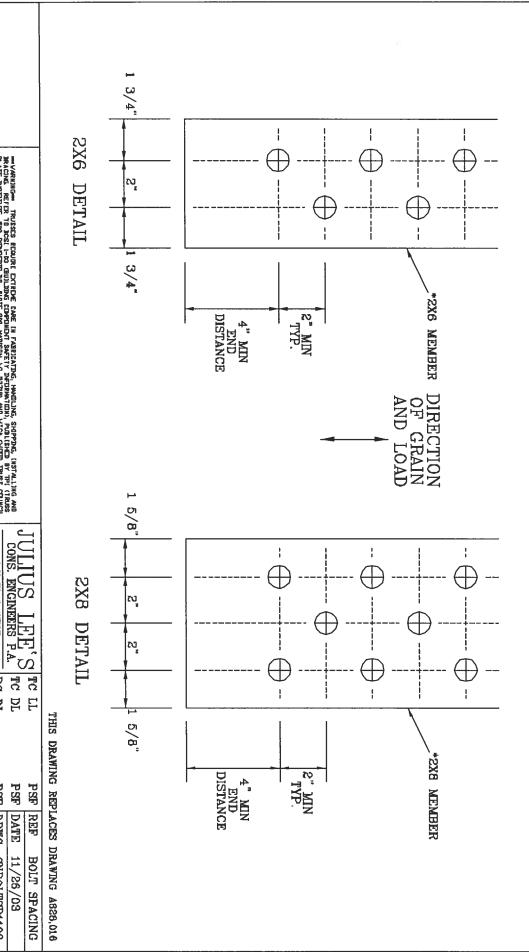
DIAMETER BOLT SPACING FOR LOAD APPLIED PARALLEL TO GRAIN

* GRADE AND SPECIES AS SPECIFIED ON THE ALPINE DESIGN.

BOLT HOLES SHALL BE A MINIMUN OF 1/32" OF 1/16" LARGER THAN BOLT DIAMETER. TO A MAXIMUM

> TYPICAL LOCATION OF 1/2" DIAMETER THRU BOLTS. QUANTITIES AS NOTED ON SEALED DESIGN MUST BE IN ONE OF THE PAITERNS SHOWN BELOW. BOLT APPLIED

WASHERS REQUIRED UNDER BOLT HEAD AND NUT



DELEAT SEACH, FL 33444-2161

BC II BC DL TC DL

PSH

DRWG

CNBOLTSP1103 11/26/03

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DATE

PSF PSF

No: 34869 STATE OF FLORIDA

SPACING DUR. FAC TOT. LD.

TRULOX CONNECTION DETA

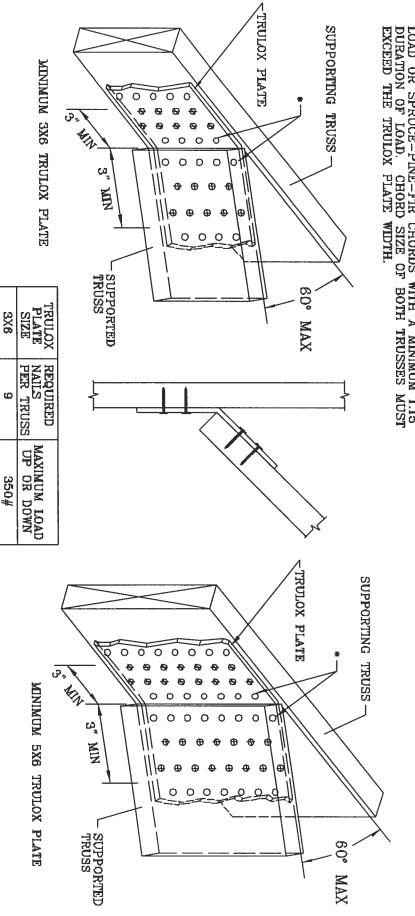
11 GAUGE (0.120" X 1.375") NAILS REQUIRED FOR TRULOX PLATE ATTACHMENT. FILL ROWS COMPLETELY WHERE SHOWN (\(\phi \)).

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.

THIS DETAIL FOR LUMBER, PLATES, AND OTHER REFER TO ENGINEER'S SEALED DESIGN REFERENCING INFORMATION NOT SHOWN.



WARNING TRUSSES REGUIRE EXTREME CAME IN FABRICATING, MANILING, SHIPPING, INSTALLING AND JAKADING REFER TO DESS 1-00 (BUILDING EXPRINGNT SAFETY TO PROMITINA, PUBLISHED BY THY (TRUSS PLATE NASTOLING, 1993 TRUSTORING DE, SAITE BRI, MARIEN, VI. 35719) AND VITA VITAD TRUSS COUNCIL DE AMERICA, 6300 CHIERPORISE LA, MARISHIN, VI. 35719) FOR SAITLY PACATINES PRIOR TO PERFONNING THESE TUNCTURE, ULICES OFFENSIONES AND DITTEMPORE DOBBREFOR THE CHIERPORT AND CHIERPOR

15

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CONS. ENGINEERS P.A. DETATA REVOYE IT ANY ALESTED

1,154,844

THIS DRAWING REPLACES DRAWINGS 1,158,989 1,158,989/R

1,152,217 1,152,017 1,159,154 & 1,151,524

DATE REF

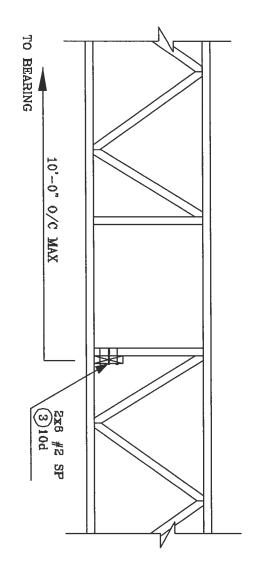
11/26/09 CNTRULOX1103

TRULOX

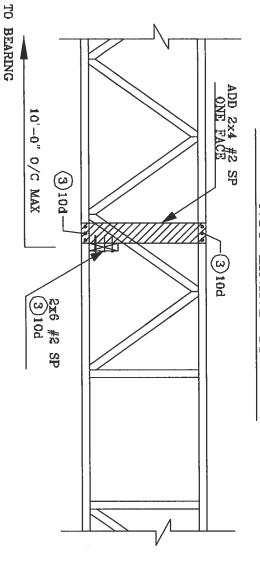
-ENG DRWG

No: 34869 STATE OF FLORIDA

STRONG BACK DETAIL SYSTEM-42 OR FLAT TRUSS



ALTERNATE DETAIL FOR STRONG BACK WITH VERTICAL NOT LINING UP



JULIUS LEE, S CONS. ENGINEERS P.A. 1455 SW 455 AVENUE DELECT PL 35444-2061

No: 34869 STATE OF FLORIDA