

**Project Information for:** 

L254136

**BUTLER BUILDERS** 

Address:

140 SW BLOOMINGTON TERRACE

LAKE CITY, FL

County:

**COLUMBIA** 

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:

RODGER NEAL BUTLER Florida License No. RR282811327

Address: PO BOX 899, FORT WHITE, FL 32038

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

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

Notes:

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
1	J1890550	CJ1	9/12/07
2	J1890551	CJ3	9/12/07
3	J1890552	CJ5	9/12/07
4	J1890553	EJ3	9/12/07
5	J1890554	EJ7	9/12/07
6	J1890555	HJ4	9/12/07
7	J1890556	HJ9	9/12/07
8	J1890557	T01	9/12/07
9	J1890558	T02	9/12/07
10	J1890559	T03	9/12/07
11	J1890560	T04	9/12/07
12	J1890561	T05	9/12/07
13	J1890562	T06	9/12/07
14	J1890563	T07	9/12/07



**Project Information for:** 

Builder:

**BUTLER BUILDERS** 

Address:

140 SW BLOOMINGTON TERRACE

LAKE CITY, FL

County:

**COLUMBIA** 

Truss Count:

Design Program: MiTek 20/20 6.3 Building Code:

FBC2004/TPI2002

**Gravity:** 

**Truss Design Load Information:** Wind:

Roof (psf): 42.0

Wind Standard: ASCE 7-02

Wind Exposure: B

September 12,2007

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:

RODGER NEAL BUTLER Florida License No. RR282811327

Address: PO BOX 899, FORT WHITE, FL 32038

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

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### Notes:

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

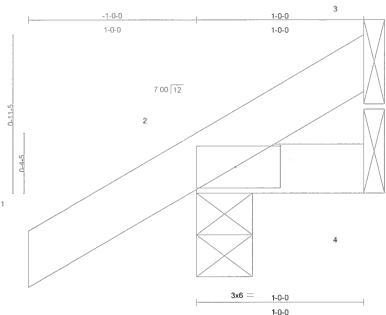
2. The seal date shown on the individual truss component drawings must match the seal date on this index sheet.

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
1	J1890550	CJ1	9/12/07
2	J1890551	CJ3	9/12/07
3	J1890552	CJ5	9/12/07
4	J1890553	EJ3	9/12/07
5	J1890554	EJ7	9/12/07
6	J1890555	HJ4	9/12/07
7	J1890556	HJ9	9/12/07
8	J1890557	T01	9/12/07
9	J1890558	T02	9/12/07
10	J1890559	T03	9/12/07
11	J1890560	T04	9/12/07
12	J1890561	T05	9/12/07
13	J1890562	T06	9/12/07
14	J1890563	T07	9/12/07

Job	Truss	Truss Type	Qty	Ply	KOUNS - BUTLER BUILDERS	
L254136	CJ1	JACK	12	1		J1890550
1254100	001	o, tort	12		Job Reference (optional)	

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Scale = 1 6 6

Plate Of	fsets (X,Y	): [2:0-3-3,0-1-8]		122/22								
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	0.07	Vert(LL)	-0.00	2	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	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	(Mat	rix)						Weight: 5 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.

REACTIONS (lb/size) 2=117/0-4-0, 4=5/Mechanical, 3=-4/Mechanical

Max Horz 2=63(load case 6)

Max Uplift 2=-105(load case 6), 3=-5(load case 9)

Max Grav 2=117(load case 1), 4=14(load case 2), 3=15(load case 4)

FORCES (Ib) - Maximum Compression/Maximum Tension

TOP CHORD

1-2=0/26, 2-3=-30/9

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

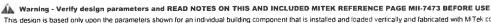
### **JOINT STRESS INDEX**

2 = 0.06

### **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

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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	KOUNS - BUTLER BUILDERS	11890550
L254136	CJ1	JACK	12	1	Job Reference (optional)	

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### **NOTES**

4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 105 lb uplift at joint 2 and 5 lb uplift at joint 3.

LOAD CASE(S) Standard

Juinte Lee Trice Color Chageneer Plander Plander Plander Color Stephen Payman Heart Payman Leech to USA



Job	Truss	Truss Type	Qty	Ply	KOUNS - BUTLER BUILDERS	
L254136	CI3	JACK	8	1		J1890551
2254 100	C33	0,1011		·	Job Reference (optional)	

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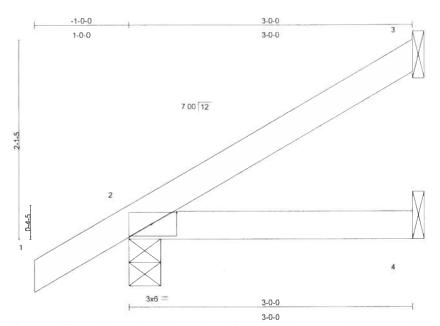


Plate Offsets (	$(\wedge, \Gamma)$	: [2:0-3-3,0-1-8]								00	7	
BCLL 10.	.0 .0	SPACING Plates Increase Lumber Increase * Rep Stress Incr Code FBC2004/TF	2-0-0 1.25 1.25 YES	CSI TC BC WB (Mate	0.08 0.05 0.00	DEFL Vert(LL) Vert(TL) Horz(TL)	in -0.00 -0.01 -0.00	(loc) 2-4 2-4 3	I/defl >999 >999 n/a	L/d 360 240 n/a	PLATES MT20 Weight: 12 lb	<b>GRIP</b> 244/190

**LUMBER** 

TOP CHORD 2 X 4 SYP No.2

BOT CHORD 2 X 4 SYP No.2

**BRACING** 

TOP CHORD

**BOT CHORD** 

3-0-0 oc purlins. Rigid ceiling directly applied or 10-0-0 oc bracing.

Structural wood sheathing directly applied or

REACTIONS (lb/size) 3=62/Mechanical, 2=165/0-4-0, 4=14/Mechanical

Max Horz 2=116(load case 6)

Max Uplift 3=-61(load case 6), 2=-101(load case 6)

Max Grav 3=62(load case 1), 2=165(load case 1), 4=42(load case 2)

FORCES (Ib) - Maximum Compression/Maximum Tension

TOP CHORD

1-2=0/26, 2-3=-49/25

**BOT CHORD** 

2-4=0/0

### JOINT STRESS INDEX

2 = 0.07

### **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

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Scale = 1 11 8



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Job	Truss	Truss Type	Qty	Ply	KOUNS - BUTLER BUILDERS J1890	1551
L254136	CJ3	JACK	8	1		1331
					Job Reference (optional)	

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### **NOTES**

4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 61 lb uplift at joint 3 and 101 lb uplift at joint 2.

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	KOUNS - BUTLER BUILDERS	
L254136	CJ5	JACK	B	1		J1890552
L254 130	033	JACK			Job Reference (optional)	

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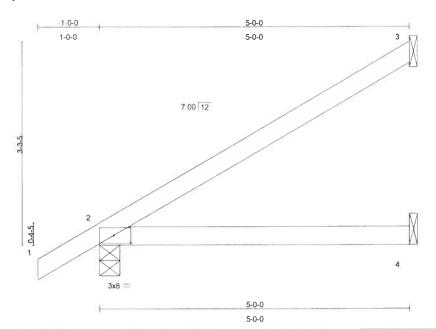


Plate Of	fsets (X,Y	): [2:0-3-3,0-1-8]				,						
LOADIN TCLL	20.0	SPACING Plates Increase	2-0-0 1.25	CSI TC	0.25	DEFL Vert(LL)	in -0.03	(loc) 2-4	I/defl >999	L/d 360	PLATES MT20	<b>GRIP</b> 244/190
TCDL	7.0	Lumber Increase	1.25 YES	BC WB	0.16 0.00	Vert(TL) Horz(TL)	-0.05 -0.00	2-4	>999 n/a	240 n/a		
BCLL BCDL	10.0 5.0	* Rep Stress Incr Code FBC2004/TF	. – -	(Mat		HOIZ(IL)	-0.00	3	11/4	11/a	Weight: 18 lb	

LUMBER

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

TOP CHORD **BOT CHORD**  Structural wood sheathing directly applied or 5-0-0 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc

bracing.

REACTIONS (lb/size) 3=121/Mechanical, 2=223/0-4-0, 4=24/Mechanical

Max Horz 2=170(load case 6)

Max Uplift 3=-121(load case 6), 2=-110(load case 6)

Max Grav 3=121(load case 1), 2=223(load case 1), 4=72(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD

1-2=0/26, 2-3=-92/50

BOT CHORD 2-4=0/0

### JOINT STRESS INDEX

2 = 0.10

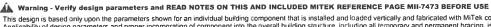
### **NOTES**

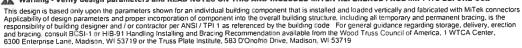
- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) \*This truss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



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Scale = 1 17.9







Job	Truss	Truss Type	Qty	Ply	KOUNS - BUTLER BUILDERS	
L254136	CJ5	JACK	8	1		J1890552
2207700	000		ľ		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 and 110 lb uplift at joint 2.

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	KOUNS - BUTLER BUILDERS	14900553
L254136	EJ3	JACK	2	1		J1890553
					Job Reference (optional)	

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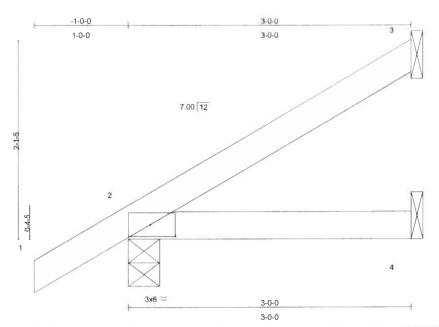


Plate Of	fsets (X,Y	): [2:0-3-3,0-1-8]		1		,						
LOADIN	IG (psf)	SPACING	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.08	Vert(LL)	-0.00	2-4	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.05	Vert(TL)	-0.01	2-4	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TF	PI2002	(Mat	rix)						Weight: 12 lb	

**LUMBER** 

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

TOP CHORD

Structural wood sheathing directly applied or 3-0-0 oc purlins.

**BOT CHORD** 

Rigid ceiling directly applied or 10-0-0 oc

bracing.

REACTIONS (lb/size) 3=62/Mechanical, 2=165/0-4-0, 4=14/Mechanical

Max Horz 2=116(load case 6)

Max Uplift 3=-61(load case 6), 2=-101(load case 6)

Max Grav 3=62(load case 1), 2=165(load case 1), 4=42(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD

1-2=0/26, 2-3=-49/25

**BOT CHORD** 

2-4=0/0

### **JOINT STRESS INDEX**

2 = 0.07

### **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



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Scale = 1 11 8



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Job	Truss	Truss Type	Qty	Ply	KOUNS - BUTLER BUILDERS	
1.054420	E 12	IACK	2	1		J1890553
L254136	EJ3	JACK	2	'	Job Reference (optional)	

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### **NOTES**

4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 61 lb uplift at joint 3 and 101 lb uplift at joint 2.

LOAD CASE(S) Standard

Andrie Gereiten (1923) Trice (1924) Ind. Indiener Trice Index (1925) Ind. Indiener Trice Index (1934) Indiener



Job	Truss	Truss Type	Qty	Ply	KOUNS - BUTLER BUILDERS	
L254136	EJ7	MONO TRUSS	18	1		J1890554
L234 136	E31	MONO TRUSS	10		Job Reference (optional)	

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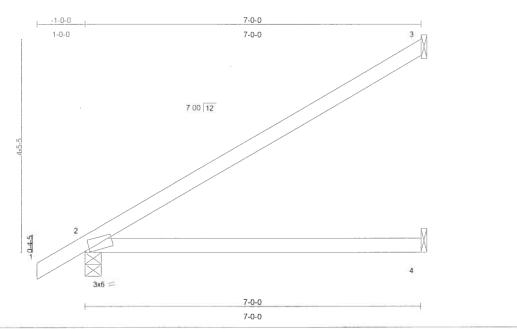


Plate Of	fsets (X,Y	): [2:0-1-2,0-0-7]									7	
LOADIN	G (psf)	SPACING	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.43	Vert(LL)	0.10	2-4	>779	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.29	Vert(TL)	-0.17	2-4	>471	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TF	PI2002	(Mat	rix)						Weight: 24 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=160/Mechanical, 2=285/0-4-0, 4=52/Mechanical

Max Horz 2=159(load case 6)

Max Uplift 3=-99(load case 6), 2=-75(load case 6)

Max Grav 3=160(load case 1), 2=285(load case 1), 4=95(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD

1-2=0/26, 2-3=-116/64

**BOT CHORD** 

2-4=0/0

### JOINT STRESS INDEX

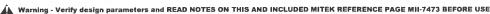
2 = 0.85

### **NOTES**

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 99 lb Complified is in sagand 75 lb uplift at joint 2.

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Scale = 1:23.2



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Job	Truss	Truss Type	Qty	Ply	KOUNS - BUTLER BUILDERS	11900554
L254136	EJ7	MONO TRUSS	18	1		J1890554
					Job Reference (optional)	

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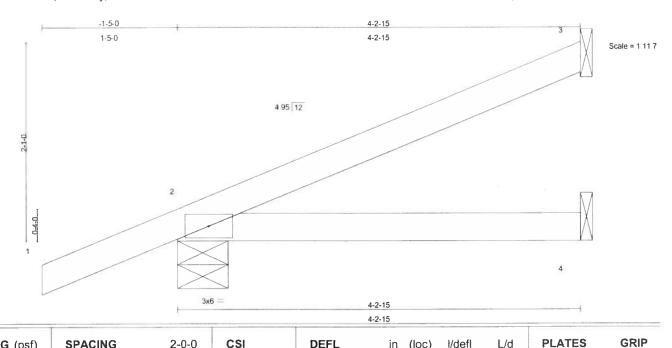
LOAD CASE(S) Standard

Juliana Lerer Tribus Induscri Circlescos Planede Pili Plo Differi Linci Cerescost Posy Blant University Dometh, E. 1984 De



Job	Truss	Truss Type	Qty	Ply	KOUNS - BUTLER BUILDERS	14.000555
L254136	HJ4	JACK	2	1		J1890555
					Job Reference (optional)	

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LOADING (psf) **SPACING** 2-0-0 CSI **DEFL** in (loc) I/defl L/d MT20 244/190 20.0 Plates Increase 1.25 TC 0.17 Vert(LL) -0.012-4 >999 360 **TCLL TCDL** 7.0 Lumber Increase 1.25 BC 0.10 Vert(TL) -0.02>999 240 10.0 \* Rep Stress Incr NO WB 0.00 Horz(TL) -0.00 3 **BCLL** n/a Weight: 16 lb **BCDL** 5.0 Code FBC2004/TPI2002 (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

4-2-15 oc purlins.

BOT CHORD

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

REACTIONS (lb/size) 3=58/Mechanical, 2=160/0-6-7, 4=14/Mechanical

Max Horz 2=75(load case 5)

Max Uplift 3=-39(load case 5), 2=-121(load case 5)

Max Grav 3=58(load case 1), 2=160(load case 1), 4=53(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/28, 2-3=-25/15

BOT CHORD 2-4=0/0

### **JOINT STRESS INDEX**

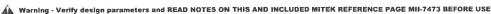
2 = 0.07

### **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 39 lb uplift at joint 3 and 121 lb uplift at joint 2.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
   Continued on page 2



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Job	Truss	Truss Type	Qty	Ply	KOUNS - BUTLER BUILDERS	J1890555
L254136	HJ4	JACK	2	1		31030333
					Job Reference (optional)	

6.300 s Feb 15 2006 MiTek Industries, Inc. Tue Sep 11 11:34:39 2007 Page 2

### LOAD CASE(S) Standard

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

Uniform Loads (plf)

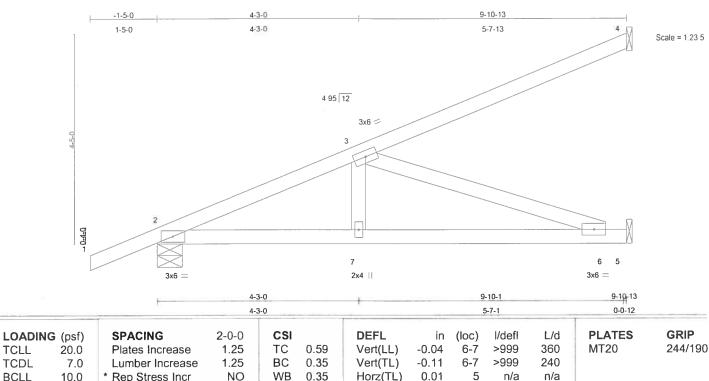
Vert: 1-2=-54

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)



	Truss	Truss Type	Qty	Ply	KOUNS - BUTLER BUILDERS
		1		'	J189055
L254136	HJ9	MONO TRUSS	4	1	
					Job Reference (optional)
Builders FirstSource	ce, Lake City, FI	32055 6.30	00 s Feb 15 2006	MiTek In	dustries, Inc. Tue Sep 11 11:34:40 2007 Page 1



LUMBER

**BCDL** 

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

5.0

WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD

Structural wood sheathing directly applied or

Weight: 43 lb

6-0-0 oc purlins.

BOT CHORD

Rigid ceiling directly applied or 9-9-13 oc

bracing.

REACTIONS (lb/size) 4=264/Mechanical, 2=363/0-6-7, 5=239/Mechanical

Max Horz 2=279(load case 5)

Code FBC2004/TPI2002

Max Uplift 4=-245(load case 5), 2=-161(load case 5), 5=-97(load case 5)

(Matrix)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD

1-2=0/28, 2-3=-645/154, 3-4=-125/73

**BOT CHORD** 

2-7=-385/593, 6-7=-385/593, 5-6=0/0

**WEBS** 

3-7=0/199, 3-6=-626/407

### **JOINT STRESS INDEX**

2 = 0.47, 3 = 0.16, 6 = 0.17 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 245 lb uplift at joint 4, 161 lb uplift at joint 2 and 97 lb uplift at joint 5.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

Continued on page 2

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September 12,2007



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Job	Truss	Truss Type	Qty	Ply	KOUNS - BUTLER BUILDERS	J1890556
L254136	НЈ9	MONO TRUSS	4	1		31030330
					Job Reference (optional)	

6.300 s Feb 15 2006 MiTek Industries, Inc. Tue Sep 11 11:34:40 2007 Page 2

### 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)

Judises Lamer Terropis (Laperagia Lascieragia Hiperades Pill Dido (R-1866) I kidsa Command Shary Filori Almydatoon kinangetti bil Justias



Job	Truss	Truss Type	Qty	Ply	KOUNS - BUTLER BUILDERS	
1054126	T01	HIP	2	1		J1890557
L254136	101	FHF	2	'	Job Reference (optional)	
Builders FirstSource	e, Lake City, FI 320	55 6.	300 s Feb 15 2006 N	∕liTek In	dustries, Inc. Tue Sep 11 11:34:41 200	7 Page 1

23-0-0

8-0-0

23-0-0

8-0-0

15-0-0

8-0-0

15-0-0

8-0-0

(Matrix)

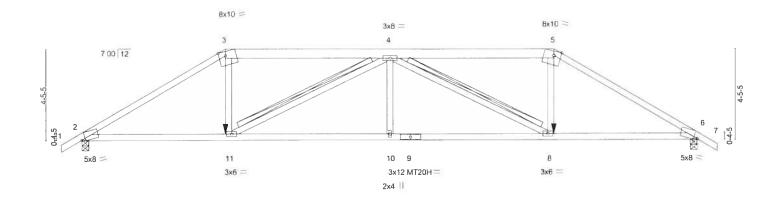


Plate Of	fsets (X,Y	): [2:0-2-1,Edge], [3:	0-3-15,Ed	ge], [5:0	)-3-15,Ed	dge], [6:0-2-1,	Edge]					
LOADIN	IG (psf)	SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.47	Vert(LL)	0.25	10	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.91	Vert(TL)	-0.48 1	0-11	>738	240	MT20H	187/143
BCLL	10.0	* Rep Stress Incr	NO	WB	0.65	Horz(TL)	0.18	6	n/a	n/a		

LUMBER		BRACING		
TOP CHORD	2 X 4 SYP No.1D *Except*	TOP CHORD	Structural wood s	sheathing directly applied or
	3-5 2 X 6 SYP No.1D		3-2-8 oc purlins.	
BOT CHORD	2 X 4 SYP No.2	BOT CHORD	Rigid ceiling dire	ctly applied or 4-6-9 oc
WEBS	2 X 4 SYP No.3		bracing.	
		WEBS	T-Brace:	2 X 4 SYP No.3 -

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.

30-0-0

7-0-0

30-0-0

7-0-0

Weight: 152 lb

4-11, 4-8

31-0-0

1-0-0

Scale = 1 54 2

**REACTIONS** (Ib/size) 2=2019/0-4-0, 6=2019/0-4-0 Max Horz 2=113(load case 4)

Max Uplift 2=-823(load case 4), 6=-823(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension

Code FBC2004/TPI2002

1-2=0/26, 2-3=-3558/1537, 3-4=-3029/1383, 4-5=-3029/1383, 5-6=-3558/1537,

6-7=0/26

7-0-0

7-0-0

7-0-0

7-0-0

-1-0-0

1-0-0

**BCDL** 

5.0

BOT CHORD 2-11=-1363/2986, 10-11=-1909/4193, 9-10=-1909/4193, 8-9=-1909/4193,

6-8=-1250/2986

WEBS 3-11=-502/1194, 4-11=-1434/770, 4-10=0/335, 4-8=-1434/769, 5-8=-502/1194

JOINT STRESS INDEX

2 = 0.82, 3 = 0.89, 4 = 0.65, 5 = 0.89, 6 = 0.82, 8 = 0.76, 9 = 0.85, 10 = 0.33 and 11 = 0.76

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Continued on page 2

TOP CHORD

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		KOUNS - BUTLER BUILDERS	J1890557	
L254136	T01	HIP	2	1		31090331	
			1		Job Reference (optional)		

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### **NOTES**

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS; 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 MT20 plates 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 823 lb uplift at joint 2 and 823 lb uplift at joint 6.
- 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)

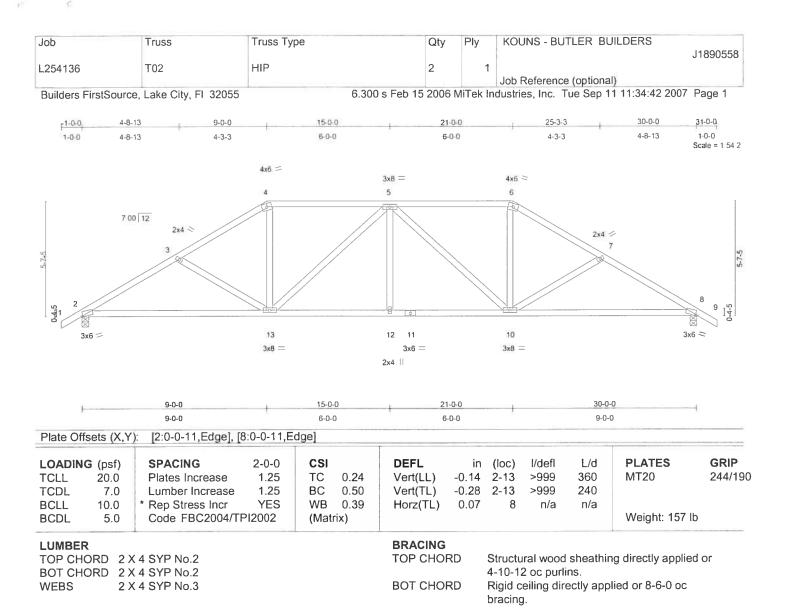
Vert: 1-3=-54, 3-5=-117(F=-63), 5-7=-54, 2-11=-10, 8-11=-22(F=-12), 6-8=-10

Concentrated Loads (lb)

Vert: 11=-411(F) 8=-411(F)

Jackson Comment (Congress of Learning Commission (Congress of Marinales Pills Poly 13-1886) Lateration Communication (Marinal Lateration Chemical Communication





REACTIONS (lb/size) 2=1012/0-4-0, 8=1012/0-4-0

Max Horz 2=146(load case 5)

Max Uplift 2=-221(load case 6), 8=-221(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension

1-2=0/26, 2-3=-1576/773, 3-4=-1370/704, 4-5=-1145/664, 5-6=-1145/664, TOP CHORD

6-7=-1370/704, 7-8=-1576/773, 8-9=0/26

**BOT CHORD** 2-13=-552/1306, 12-13=-512/1350, 11-12=-512/1350, 10-11=-512/1350,

8-10=-552/1306

**WEBS** 3-13=-204/186, 4-13=-153/399, 5-13=-365/201, 5-12=0/124, 5-10=-365/201,

6-10=-153/399, 7-10=-204/186

### **JOINT STRESS INDEX**

2 = 0.80, 3 = 0.33, 4 = 0.52, 5 = 0.56, 6 = 0.52, 7 = 0.33, 8 = 0.80, 10 = 0.56, 11 = 0.45, 12 = 0.33 and 13 = 0.56

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.

है। तिर्मान्यां के अपनिवास्त्र के drainage to prevent water ponding.

September 12,2007



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	KOUNS - BUTLER BUILDERS	
L254136	T02	HIP	2	1		J1890558
2201100			_		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 221 lb uplift at joint 2 and 221 lb uplift at joint 8.

LOAD CASE(S) Standard

district Leer Trices fleerigh Engineer Fired ME Pao Edhas 1906 Cheestal Fley Filed Layrion Leasth L. Ou-tab



Qty Ply KOUNS - BUTLER BUILDERS Truss Truss Type Job J1890559 L254136 T03 HIP 2 1 Job Reference (optional) 6.300 s Feb 15 2006 MiTek Industries, Inc. Tue Sep 11 11:34:43 2007 Page 1 Builders FirstSource, Lake City, FI 32055 11-0-0 30-0-0 31-0-0 19-0-0 24-3-3 <sub>-</sub>1-0-0 5-8-13 1-0-0 5-3-3 8-0-0 5-3-3 5-8-13 5-8-13 1-0-0 Scale = 1 54.2 5x6 = 8x10 = 5 7.00 12 2x4 > 2x4 / 4x6 = 11 10 9 4x6 = 3x8 = 3x6 = 3x6 = 30-0-0 11-0-0 19-0-0 11-0-0 11-0-0 [2:0-1-10,Edge], [5:0-4-1,Edge], [7:0-1-10,Edge] Plate Offsets (X,Y): LOADING (psf) **SPACING** 2-0-0 CSI DEFL in (loc) I/defl L/d **PLATES GRIP** MT20 244/190 **TCLL** 20.0 Plates Increase 1.25 TC 0.45 Vert(LL) -0.327-9 >999 360 1.25 BC 0.58 Vert(TL) -0.597-9 >602 240 **TCDL** 7.0 Lumber Increase 10.0 \* Rep Stress Incr YES WB 0.19 Horz(TL) 0.06 n/a n/a **BCLL** Weight: 149 lb Code FBC2004/TPI2002 (Matrix) **BCDL** 5.0 **BRACING** LUMBER TOP CHORD 2 X 4 SYP No.2 TOP CHORD Structural wood sheathing directly applied or BOT CHORD 2 X 4 SYP No.2 4-9-11 oc purlins. Rigid ceiling directly applied or 8-8-3 oc 2 X 4 SYP No.3 **BOT CHORD WEBS** bracing. T-Brace: 2 X 4 SYP No.3 -**WEBS** 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=1012/0-4-0, 7=1012/0-4-0

Max Horz 2=-179(load case 4)

Max Uplift 2=-234(load case 6), 7=-234(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/26, 2-3=-1538/751, 3-4=-1278/662, 4-5=-1054/638, 5-6=-1278/662,

6-7=-1538/751, 7-8=0/26

BOT CHORD 2-11=-521/1271, 10-11=-320/1053, 9-10=-320/1053, 7-9=-521/1271

WEBS 3-11=-259/235, 4-11=-67/340, 5-11=-135/135, 5-9=-67/340, 6-9=-259/235

### **JOINT STRESS INDEX**

2 = 0.80, 3 = 0.33, 4 = 0.68, 5 = 0.70, 6 = 0.33, 7 = 0.80, 9 = 0.34, 10 = 0.37 and 11 = 0.56

aliana. Completon Charleson Florida Più filo Stratio Granda Più filo Strati Granda I I Santal

Continued on page 2



Job	Truss	Truss Type	Qty	Ply	KOUNS - BUTLER BUILDERS J1890559
L254136	T03	HIP	2	1	31090338
					Job Reference (optional)

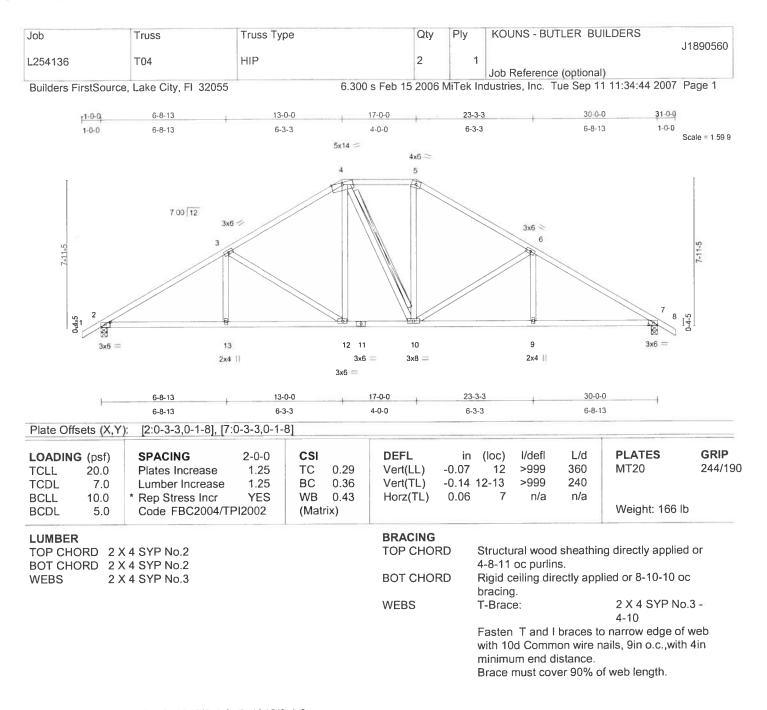
6.300 s Feb 15 2006 MiTek Industries, Inc. Tue Sep 11 11:34:43 2007 Page 2

### **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 234 lb uplift at joint 2 and 234 lb uplift at joint 7.

LOAD CASE(S) Standard





**REACTIONS** (lb/size) 2=1012/0-4-0, 7=1012/0-4-0

Max Horz 2=211(load case 5)

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

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/26, 2-3=-1578/713, 3-4=-1151/615, 4-5=-919/595, 5-6=-1151/615,

6-7=-1577/713, 7-8=0/26

**BOT CHORD** 2-13=-480/1279, 12-13=-480/1279, 11-12=-227/918, 10-11=-227/918,

9-10=-480/1279, 7-9=-480/1279

3-13=0/219, 3-12=-432/301, 4-12=-127/300, 4-10=-145/148, 5-10=-127/300,

6-10=-431/300, 6-9=0/219

### JOINT STRESS INDEX

2 = 0.73, 3 = 0.40, 4 = 0.78, 5 = 0.52, 6 = 0.40, 7 = 0.73, 9 = 0.33, 10 = 0.61, 11 = 0.30, 12 = 0.34 and 13 = 0.33

Continued on page 2

**WEBS** 

September 12,2007



plican Large Large Colorage (Indiana) Personal Pill Police Berkette Piller Carameter Piller

Job	Truss	Truss Type	Qty	Ply	KOUNS - BUTLER BUILDERS	
L254136	T04	HIP	2	1		J1890560
					Job Reference (optional)	

6.300 s Feb 15 2006 MiTek Industries, Inc. Tue Sep 11 11:34:44 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

Chairm Level Training Congregory Congression Phonoche Philipholo Medicine Training Congression França Filosof Training Congression França Filosof Training Congression (Congression Congression Congre



Job	Truss	Truss Type	Qty	Ply	KOUNS - BUTLER BUILDERS	14000504
L254136	T05	COMMON	7	1		J1890561
					Job Reference (optional)	

6.300 s Feb 15 2006 MiTek Industries, Inc. Tue Sep 11 11:34:45 2007 Page 1

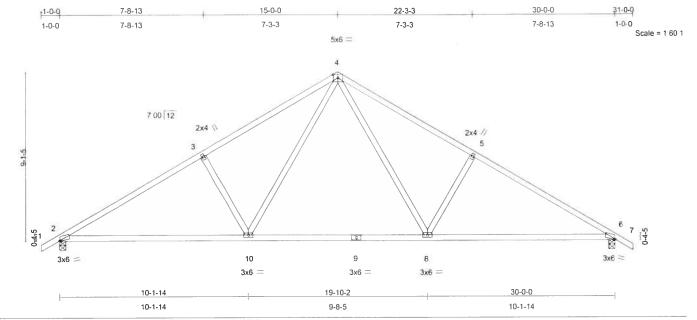


Plate Offsets (X,Y): [2:0-0-11,Edge], [6:0-0-11,Edge]

LOADING         (psf)           TCLL         20.0           TCDL         7.0           BCLL         10.0           BCDL         5.0	SPACING Plates Increase Lumber Increase * Rep Stress Incr Code FBC2004/TF	2-0-0 1.25 1.25 YES PI2002	CSI TC BC WB (Mat	0.40 0.50 0.48 rix)	DEFL Vert(LL) Vert(TL) Horz(TL)	in -0.21 -0.42 0.05	(loc) 6-8 6-8 6	I/defl >999 >845 n/a	L/d 360 240 n/a	PLATES MT20 Weight: 144 lb	<b>GRIP</b> 244/190
---	---	--	-------------------------------	------------------------------	--	------------------------------	--------------------------	-------------------------------	--------------------------	----------------------------------	---------------------

 110.4	
 LIW.	ER

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

4-6-15 oc purlins.

**BOT CHORD** 

Rigid ceiling directly applied or 9-0-15 oc

bracing.

**REACTIONS** (lb/size) 2=1012/0-4-0, 6=1012/0-4-0

Max Horz 2=-243(load case 4)

Max Uplift 2=-254(load case 6), 6=-254(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension

1-2=0/26, 2-3=-1522/688, 3-4=-1324/728, 4-5=-1324/728, 5-6=-1522/688, 6-7=0/26 TOP CHORD

**BOT CHORD** 

2-10=-446/1226, 9-10=-160/820, 8-9=-160/820, 6-8=-446/1226

**WEBS** 

3-10=-375/325, 4-10=-267/507, 4-8=-267/507, 5-8=-375/325

JOINT STRESS INDEX

2 = 0.72, 3 = 0.33, 4 = 0.59, 5 = 0.33, 6 = 0.72, 8 = 0.43, 9 = 0.33 and 10 = 0.43

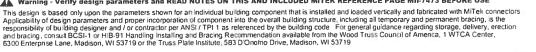
### **NOTES**

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; 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

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





Job	Truss	Truss Type	Qty	Ply	KOUNS - BUTLER BUILDERS
L254136	T05	COMMON	7	1	J1890561
2204100	1.00		ľ		Job Reference (optional)

6.300 s Feb 15 2006 MiTek Industries, Inc. Tue Sep 11 11:34:45 2007 Page 2

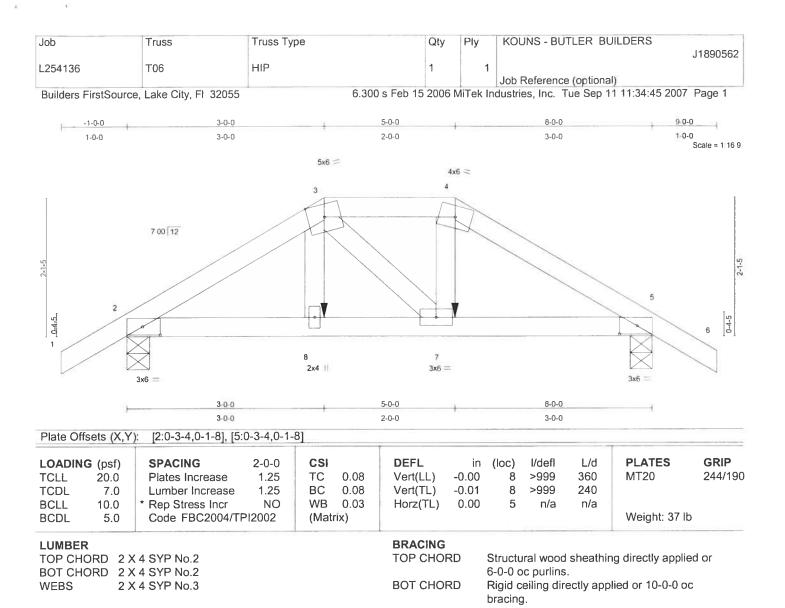
### **NOTES**

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 254 lb uplift at joint 2 and 254 lb uplift at joint 6.

LOAD CASE(S) Standard

Charles Large | Large College | Coll





**REACTIONS** (lb/size) 2=369/0-4-0, 5=365/0-4-0

Max Horz 2=-49(load case 3)

Max Uplift 2=-135(load case 5), 5=-133(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/26, 2-3=-435/109, 3-4=-330/107, 4-5=-428/107, 5-6=0/26

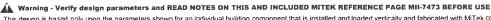
**BOT CHORD** 2-8=-102/331, 7-8=-101/325, 5-7=-63/325

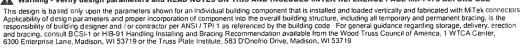
3-8=-16/88, 3-7=-48/49, 4-7=-37/96 **WEBS** 

### **JOINT STRESS INDEX**

2 = 0.20, 3 = 0.08, 4 = 0.11, 5 = 0.20, 7 = 0.06 and 8 = 0.06

- 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







Job	Truss	Truss Type	Qty	Ply	KOUNS - BUTLER BUILDERS	
L254136	T06	HIP	1	1		J1890562
L234130	100				Job Reference (optional)	

6.300 s Feb 15 2006 MiTek Industries, Inc. Tue Sep 11 11:34:45 2007 Page 2

### **NOTES**

- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 135 lb uplift at joint 2 and 133 lb uplift at joint 5.
- 7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

### LOAD CASE(S) Standard

1) 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)

Judicies Larer Transpur Classicals Cincalendar Pitar edda Print Files 25-3886816 3-8-1260 Classicalida Phany Pilona Transpuries Alberta



Job	Truss	Truss Type	Qty	Ply	KOUNS - BUTLER BUILDERS J1890			
L254136	T07	COMMON	4	1				
					Job Reference (optional)			
Builders FirstSource, Lake City, FI 32055			6.300 s Feb 15 2006 MiTek Industries, Inc. Tue Sep 11 11:34:46 2007 Page 1					

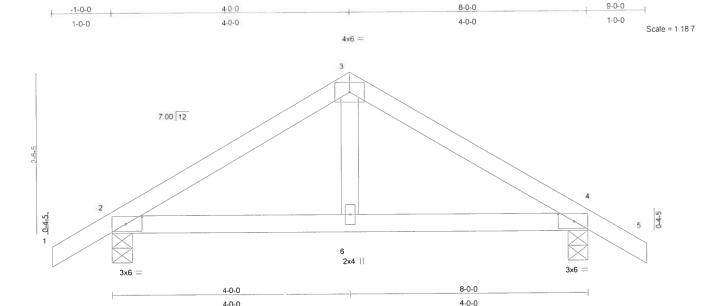


Plate Of	fsets (X,Y	): [2:0-3-3,0-1-8], [4:	0-3-3,0-1-	8								
LOADIN TCLL	(psf)	SPACING Plates Increase	2-0-0 1.25	CSI TC	0.09	DEFL Vert(LL)	in -0.00	(loc) 2-6	l/defl >999	L/d 360	PLATES MT20	<b>GRIP</b> 244/190
TCDL BCLL	7.0 10.0	Lumber Increase  * Rep Stress Incr	1.25 YES	BC WB	0.09 0.04	Vert(TL) Horz(TL)	-0.01 0.00	2-6 4	>999 n/a	240 n/a		
BCDL	5.0	Code FBC2004/TI		(Mat		()					Weight: 33 lb	

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

**BRACING** TOP CHORD

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

**BOT CHORD** 

Rigid ceiling directly applied or 10-0-0 oc

bracing.

REACTIONS (lb/size) 2=308/0-4-0, 4=308/0-4-0

Max Horz 2=65(load case 5)

Max Uplift 2=-105(load case 6), 4=-105(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension

1-2=0/26, 2-3=-310/138, 3-4=-310/138, 4-5=0/26 TOP CHORD

**BOT CHORD** 2-6=-15/220, 4-6=-15/220

3-6=0/131 **WEBS** 

### **JOINT STRESS INDEX**

2 = 0.17, 3 = 0.27, 4 = 0.17 and 6 = 0.09

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

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

September 12,2007



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, exection and bracing, consult BCSI-1 or Hill-91 Handling Installing and Bracing Recommendation authority Mood 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	KOUNS - BUTLER BUILDERS	
L254136	Т07	COMMON	4	1		J1890563
2254100	107	COMMON		'	Job Reference (optional)	

6.300 s Feb 15 2006 MiTek Industries, Inc. Tue Sep 11 11:34:46 2007 Page 2

### **NOTES**

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 105 lb uplift at joint 2 and 105 lb uplift at joint 4.

LOAD CASE(S) Standard

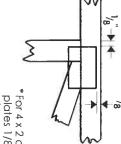


## Symbols

# PLATE LOCATION AND ORIENTATION



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



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



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

## **PLATE SIZE**

4 × 4

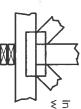
to slots. dimension is the length parallel The first dimension is the width perpendicular to slots. Second

# LATERAL BRACING



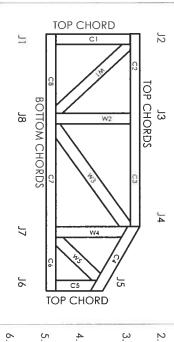
Indicates location of required continuous lateral bracing.

## BEARING



Indicates location of joints at which bearings (supports) occur.

# Numbering System



JOINTS AND CHORDS ARE NUMBERED CLOCKWISE AROUND THE TRUSS STARTING AT THE LOWEST JOINT FARTHEST TO THE LEFT.

WEBS ARE NUMBERED FROM LEFT TO RIGHT

# CONNECTOR PLATE CODE APPROVALS

ICBO

BOCA

96-31, 96-67

3907, 4922

SBCCI

9667, 9432A

WISC/DILHR 960022-W, 970036-N

NER R

561



MiTek Engineering Reference Sheet: MII-7473

# **General Safety Notes**

# Failure to Follow Could Cause Property Damage or Personal Injury

- Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
- Cut members to bear tightly against each other
- Place plates on each face of truss at each joint and embed fully. Avoid knots and wane at joint locations.
- Unless otherwise noted, locate chord splices at  $\frac{1}{4}$  panel length ( $\pm$  6" from adjacent joint.)
- Unless expressly noted, this design is not preservative treated lumber. applicable for use with fire retardant or

Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.

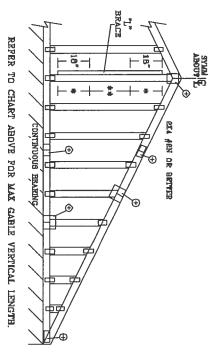
- practice is to camber for dead load deflection. is the responsibility of truss fabricator. General Camber is a non-structural consideration and
- Plate type, size and location dimensions shown indicate minimum plating requirements
- 9. Lumber shall be of the species and size, and grade specified. in all respects, equal to or better than the
- Top chords must be sheathed or purlins provided at spacing shown on design.
- 11. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
- 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
- 15. Care should be exercised in handling erection and installation of trusses.
- © 1993 MiTek® Holdings, Inc.

	MAX GABLE VERTICAL LENGTH	
	ASCE  GABLE VERTICAL  SPACING SPECIES GR  SPACING SPECIES GR  SPF #1  STA  SPF #1  STA  SPF #1  STA  SPF #1  STA  SPF #1  SPF	
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JLIUS LEH.  SONS. ENGINEERS P./  DELAN BEACH, PL 2344-216  NO: 24869  STATE OF FLORIDA	ENCLOS  L' BRACE +  A CROUP B  10 10 1 1 1 8 1 1 1 1 1 1 1 1 1 1 1 1 1	
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	BRACIN  SPRICE  SPRICE	
80 PSF	BRACING GROUP SPECIES AND GR  GROUP A:  SPRICE-PINE-THE  A1 / A2 STANDARD  DOUGLAS FIR-LARTH  A3 STUD  DOUGLAS FIR-LARTH  BOUTHERN PINE  GROUP B:  HEM-FIR  A3 STUD  DOUGLAS FIR-LARTH  BOUTHERN PINE  GROUP B:  HEM-FIR  A3 STUD  DOUGLAS FIR-LARTH  A3 STUD  DOUGLAS FIR-LARTH  BOUTHERN PINE  GROUP B:  HEM-FIR  A4 STUD  GROUP B:  HEM-FIR  A4 STUD  GROUP B:  HEM-FIR  A4 STUD  FRANTING IS FIR  A4 STUD  GROUP B:  HEM-FIR  A5 STUD  A5 STUD  GROUP B:  HEM-FIR  A5 STUD  A5 STUD	: 
DATE 11, DRWG MITE -ENG	P SPECIES GROUP A: DE CROUP B: CROUP B: DE	
ASCE7-02-GABI3015 11/26/03 MIDE STD GABLE 16 E HT	BRACING GROUP SPECIES AND GRADES:    SPRICE-PINE-THE   HED4-FIR     41 / 42   STANDARD     PROUDLAS FIR-LARCH     PROUDLAS FIR-LARCH     PROUDLED     PRANDARD     STUD     PRANDARD     STANDARD     ST	
AB13015	GRADES:  GRADES:  FIR.  STUD  STANDARD  FIR.  OTES:  OTES:  OA 12'  OR	

1 .

## ASCE 7-02: 130 MPH WIND SPEED, 30, MEAN HEIGHT, ENCLOSED, $\parallel$ 1.00, **EXPOSURE** $\bigcirc$

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	4' 0,	4. សូ	4' 2"	4' 4"	4' 5"	3' 11"		3' 11"			3 89 1	3. 8.	3' 11"	4 0,1		3' 7"	3' 7"	3.8		3' 3"	3. 3.	3 6	. 7	2 11	3' 1"	3' 1"	ع دي دي	BRACES	<u> </u>	
	ι <u>ν</u>	6 4,	6. 6.	6' 11"	B' 11*	5' 4"	Б, Б,	<sub>හ</sub> ු	6' 11"	4' B"	5 6	B. 5.	B' 4"	B' 4"	4 6	5' 5"	S.	6.4	3' 10"	4' B"	4 6	5 6	5' B"	3' 9"	4' 6"	4 5	5, 6,	GROUP A	(1) 1X4 °L"	
	5' 8"	6' 4"	6' 5'	7° 6"	7' 6"	5' 4"	6. 3.	B) 3,		1	5' 6"	6. 4.	8' 10"	B' 10"	4. B.	6′ 6*	5' 5"	6. 6.	3' 10"	4' B"	4.6	5' 11"	5' 11"	3. B.	4' B"	4' 5"	6′ B*	GROUP	'L" BRACE •	
	7' 3"	8' 3"	e' 3°	B' 3"	8 3	7' 1"	e 3"	8' 3"	6. 3.	6' 3"	7' 3"	P' 4"	7' 8"	7' B"	6. 8.	ન. સ્	7' 2"	7' 6"	5' 1"	5' 11"	6. 0.	6' 6"	6' 8"	6, 0,	b' 10"	6" 10"	6. 6.	B GROUP A	(1) 2X4	
	7' 3"	8. 6.	8' 6"	B' 11"	B' 11°	7' 1"		6' 3"	8. 6-	8' 3"	7' 3"	7' 4"	8' 1"	B' 1*	6. 2.	√3. -√3	7' 2"	7' 8"	5' 1"	5' 11"	6. 0.	7' 0"		5.0	5° 10°	5° 10°	6.9	GROUP B	"L" BRACE .	
	B. 8		9' 10"	9' 10"	8, 10,		9' 10"	8' 10"	f. 1	8° 5"	B' 11"	B. 11.	8' 11"	8, 11,	8. 3.	8° 11"	B' 11"	8° 11"	6' 11"	7' 10"	7' 10"	7' 10"	7' 10"	g, 9.	7' 10"	7' 10"	7' 10"	GROUP A	(2) 2X4 "L"	
	9' 9"	10' 4"	10' 4"	10' 7"	10' 7"	9' 6"	9 10	9' 10"	10. 1.	B' 5"	1 7	8, 6,	9, 2,	B, 2,	6. 3.	B' 11"	B' 11"	9. Z	6' 11"	8, D,	8. 1.	8' 5"	8, 2,	8. B.	7' 10"	7' 10"	8. D.	GROUP B	" BRACE **	
	11' 4"	12' 11"	12' 11"	12' 11"	12' 11"	-	12. 10.	12' 11"	12' 11"	8, 8,	11' 4"	11. 5.	11' 9"	11, 8,	9. 7"	11' 1"	11' 2"	11. 9.	B' 0*	8, 3,	9. 4.	10' 3"	10' 3"	7' 10"	9' 1"		10° 3"	GROUP A	(1) 2X6	
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	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' O*	14. 0	10" 10"	12' 3*	12. 3.	12' 3"	12' 3"	10' 7"	12' 3"	12' 3"	12. 3.	OUP 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	13' 3"	14'0"	14 0"	14' D"	14' D"	18' 11"	14' D"	14' D"	14' 0"	10' 10"	12' 8"	12' 8"	13' 2"	13' 2"	10' 7"	12' 3"	12' 3"	12' 7"	GROUP B	HRACE ***	
WORLD GOVERNMENT OF THE BEAUTY OF THE PROPERTY	CARL TOTAL STEERING THE STATE OF THE STATE O	CONTINUOUS BEARING (6 PSF TC	BROWNER THE THIRD THE THIRD THE	LIVE LOAD DEPLECTION CRITERIA IS	CHOLD INCOO DE LAIL	CADIE PRINCE DETAIL			38		SOUTHING PINE DOUGLA		\$1 & D1K	HATA-MIN-	GIVOU D.	Capita a			STANDARD		DOUGLAS FIR-LARCH SOUTH		STUD	A1 / M2 STANDARD A2	GROOF A.		BRACING GROUP SPECIES A			



DIAGONAL BRACE OPTION:
VERTICAL LENGTH MAY BE
DOUBLED WIND DIAGONAL
HRACE IS USED. CONNECT
HRACE IS USED. CONNECT
HRACE AND HRACE STOR SEAS
AT EACH END. MAX WEB
TOTAL LENGTH IS 14.

SBUEL TERRE

VERTICAL LENGTH BHOWN IN TABLE ABOVE.

ZX4 8P OR
DT-1, #2 OR
BETTER DIAGONAL
BRACE: SINGLE
OR DOUBLE
CUT (AS SHOWN)
AT UPPER END

CONNECT DIAGONAL AT MEB.

TIE
TRUSS
DETAIL
NOTES:

DOUGLAS FIR-LARCH

AND GRADES:

SOUTHERN PINE 9TOD STANDARD

HEM-PIR
IZ STUD
IZ STANDARU

PLYWOOD OVERHANG. DUTLIDING ROWATH 2' O' OVERBANG, OR 12' E VPLAT CONNECTIONS FOR 180 FLF OVER TIMUOUS BEARING (6 PSF TC DITAD LOAD). AD DEPLECTION CRETERIA IS L/240.

ATTACH EACH "L" ERACE WITH 104 NAILS AT 2" O.C.

\* POR (1) "L" ERACE; SPACE NAILS AT 2" O.C.

\* POR (2) "L" ERACE; SPACE NAILS AT 3" O.C.

\*\* FOR (2) "L" ERACES; SPACE NAILS AT 3" O.C.

IN 18" END ZONES AND 4" O.C. ELTHERN ZONES. T. BRACING MUST BE A MINIMUM OF BOX OF WEB

MEMBER LENGTH.

PEAK, SPLICE, AND HEEL FLATES.	GREATER THAN 11' 6"	GREATER THAN 4' D', BUT	IDSS THAN 4' 0"	VERTICAL LENGTH	GABLE VERTICAL PLATE SIZES
HEEL PLATES.	2.5X4	2X4	1X4 DR EX3	ND SPLICE	JE SIZES

		1456 BW 4th AVENUE		8,면면1 SIIIIIII
MAX.				
MAX. TOT. LD. 60 PSF				
LD.				
60				
PSF				
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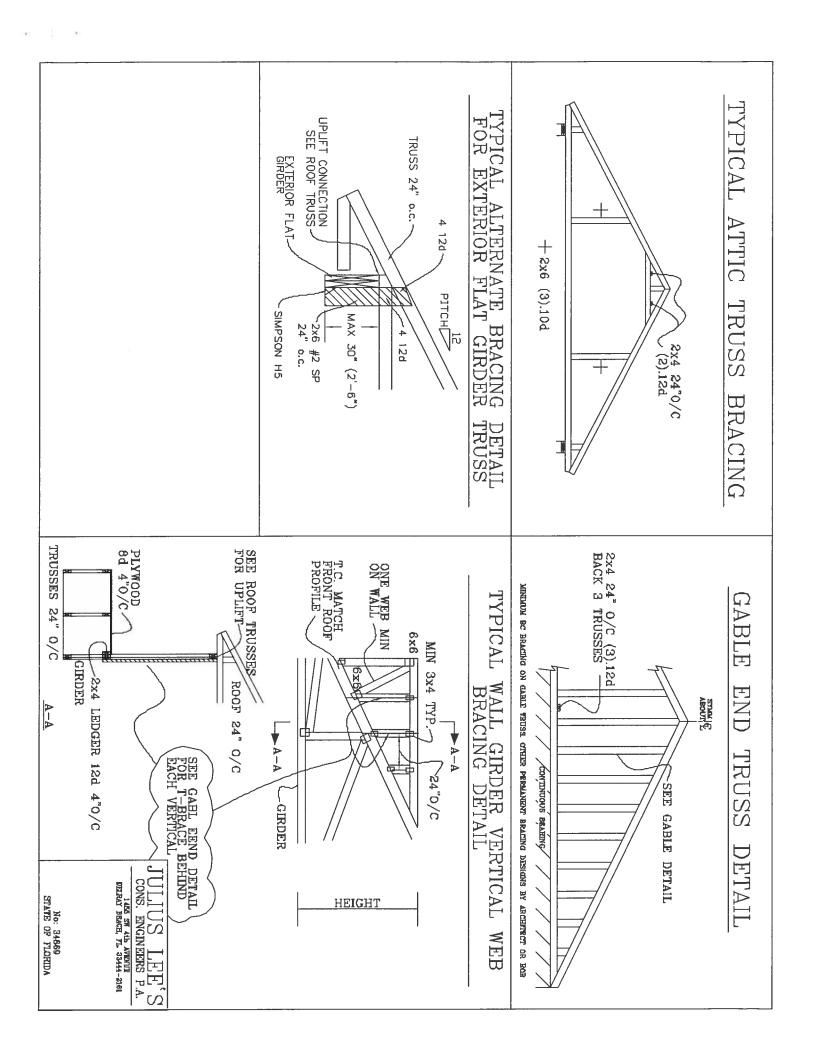
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11/26/03 ASCE7-02-CAB13030

No: 34869 STATE OF FLORIDA

MAX. SPACING

24.0"



BOT CHORD CHORD WEBS 2X4 2X4 2X4 はなな 999 BETTER BETTER BETTER

# PIGGYBACK DETAIL

TOINT

SPANS \$2

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D,

REFER TO SEALED DESIGN FOR DASHED PLATES.

TOP AND BOTTOM CHORD SPLICES MUST BE STAGGERED SO THAT ONE SPLICE IS NOT DIRECTLY OVER ANOTHER. SPACE PIGGYBACK VERTICALS AT 4' OC MAX.

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

ATTACH PURLINS TO TOP OF FLAT TOP CHORD. IF PIGGYBACK IS SOLID LUMBER OR THE BOTTOM CHORD IS OMITTED, PURLINS MAY BE APPLIED BENEATH THE TOP CHORD OF SUPPORTING TRUSS.

REFER TO ENGINEER'S SEALED DESIGN FOR REQUIRED PURLIN SPACING.

THIS DETAIL IS APPLICABLE FOR THE POLLOWING WIND CONDITIONS:
110 MPH WIND, 30' MEAN HGT, ASCE 7-93, CLOSED BLDG,
LDCATED ANYWHERE IN ROOF, 1 MI FROM CDAST
CAT I, EXP C, WIND TC DL-5 PSF, WIND BC DL-5 PSF
110 MPH WIND, 30' MEAN HGT, SBC
ENCLOSED BLDG, LOCATED ANYWHERE IN ROOF
WIND TC DL-5 PSF, WIND BC DL-5 PSF

130 MPH WIND, 30' MEAN BGT, ASCE 7-98, BLDG, LOCATED ANYWHERE IN ROOF, CAT II, WIND TC DL=6 PSF, WIND BC DL=6 PSF EXT. C.

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9

C

EXG.

1.5X4 **5X6** 

1.5X4

1.5X4 9X9

H

AXB

OR SX6 TRULOX AT 4'
HOTATED VERTICALLY

2

B >

**4**X8

5X8

**6**X6

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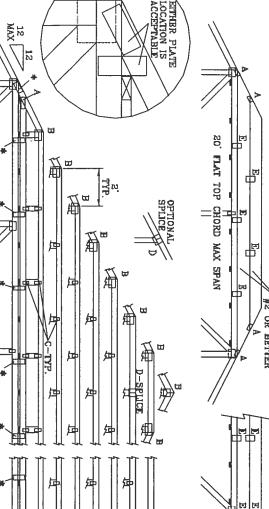
**2**84

2.5X4

2.6X4

3X5

FRONT FACE (B,\*) PLATES MAY BE OFFSET FROM BACK FACE PLATES AS LONG AS BOTH FACES ARE SPACED 4' OC MAX. ф, MAX SIZE OF ZXIZ #2 OR BETTER



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ATTACH THULOX PLATES WITH (6) 0.120 X 1.375 EQUAL, PER FACE PER PLY. (4) NAILS IN EACH | BE CONNECTED. REFER TO DRAWING 160 TL FOR INFORMATION. R TRULOX

ರಜ

10,	7'9" TO 10'	0' TO 7'8"	W E.B	
10' TO 14'	To	0		
14_	10'	7,9,	LENGTH	
2x4 "T" BRACE. SAME GRADE, SPECIES AS WEB MEMBER. OR BETTER, AND 80% LENGTH OF WEB MEMBER. ATTACH WITH 18d NAILS AT 4" OC.	1x4 "T" BRACE. SAME GRADE, SPECIES AS WEB MEMBER. OR BETTER, AND 80% LENGTH OF WEB MEMBER. ATTACH WITH 8d NAILS AT 4" OC.	NO BRACING	REQUIRED BRACING	WEB BRACING CHART

ATTACH TEETH TO THE PIGGYBACK AT THE TIME OF FABRICATION. ATTACH TO SUPPORTING TRUSS BYEN (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

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THUS DRAWING REPLACES DRAWINGS 634,016 634,017 ۶-847,045

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1/4"

ATTACH

PIGGYBACK WITH DXB TRULDX OR

ALPINE PIGGYBACK SPECIAL PLATE

		WARNINGS TRUSSS REQUEE EXTREME CARE IN FABRICATING HANDLING SHIPPING, INSTALLING HAND BRACING REFER TO DESC I HED QUILLING COMPONENT SAFETY DATEMENTEN, PAULISMED BY THE CRUSS PLANT DESCRIPTION OF THE CHORD BY THE CRUSS COUNCIL OF ARRICA, SEED ENTERPRISE LA, HANDSON, MI 33739 FOR SAFETY PRACTICES PRIOR TO PREPERSONG THE SEE CHARLES, DATEMENT, TOP CHECOD SHALL HAVE REPORTERY ATTACHED STRUCTURAL PANELS AND BUTTON CHECO SHALL HAVE A PROPERSY ATTACHED RIGHT CELLING.
No: 34868	:	JULIUS cons. engine measur seace. fil.
SPACING 24.0"	47 PSF AT 1.15 DUR. FAC.	MAX LOADING ERS P.A. 55 PSF AT 1.33 DUR. FAC. 3344-261 50 PSF AT 1.25 DUR. FAC.
		ADING REF PIGGYBACK F AT DATE 11/26/03 R. FAC. DRWGMITEK STD PIGGY F AT —ENG JL

## VALLEYTRUSS DETAIL

Top Bot CHORD SEEA 2X4 SP #2 OR SPF #1/#2 OR BETTER. 2X3(\*) OR 2X4 SP #2N OR SPF #1/#2 OR BETTER. 2X4 SP #3 OR BETTER.

- 2X3 MAY BE RIPPED FROM A 2X6 (PITCHED OR SQUARE).
- \* ATTACH EACH VALLEY TO EVERY SUPPORTING TRUSS WITH: 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. (2) 16d BOX (0.135" X 3.5") NAILS TOE-NAILED FOR

UNIESS 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 2.6") NAILS AT 6" OC, OR CONTINUOUS LATERAL BRACING. EQUALLY SPACED, FOR VERTICAL VALLEY WEBS GREATER THAN 7'9".

MAXIMUM VALLEY VERTICAL HEIGHT MAY NOT EXCEED 12'0"

TOP CHORD OF TRUSS BENEATH VALLEY SET MUST BE BRACED WITH: PROPERLY ATTACHED, RATED SHEATHING APPLIED PRIOR TO VALLEY INSTALLATION TRUSS

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

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

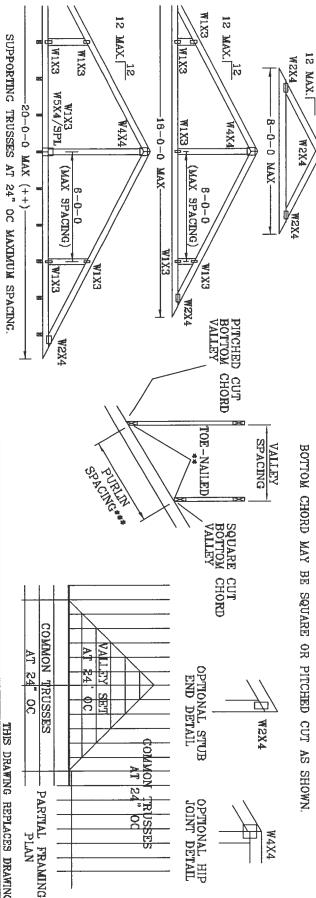
CUT FROM 2X6 OR LARGER AS REQ'D

2

4-0-0

XAM

NOT EXCEED 12'0".



\*\*\* 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.

JOINT DETAIL

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DRAWING
REPLACES
DRAWING
A105

	D, TOP CHORD SHALL HAVE PRO WAVE A PROPERLY ATTACHED RI
DELLAL	BACING. REFER TO MICE CONTINUES COMPINENT SAFETY IMPORTANTIAN, PAINTINED BY THE CHARSE COUNCIL PLANT. BACTION, PAINTINE, SEA DEPORTED BY, SUDITE BM, MANISON, VI. 537199 AVII SON, PAINTINE CONTINUES COUNCIL OF AMERICA, ACID DETERMINE LM, MANISON, VI. 537199 FOR XAFETY PRACTICES PRIDE TO PERFORMENT.
CONS	XX VARNINGEX TRUSSES REQUIRE EXTREME CARE (X FABRICATING, HANDLING, SHIPPING, INSTALLING AND

				PINCIP	AND	
STATE OF FLORIDA	No. 3ARRO			DRIAGE SW 4th AVENUE	Ë	STEEL SILLIL
SPACING	DUR.FAC. 1.25	TOT. ID.	BC LL	BC DL	TC DL	TC LL
G	25	32	0	σı	<b>-</b> z	20
24.	1.25	40	0	Ç	15	88
		PSF	PSF	PSF	PSF	PSF
			PSF -ENG JL	PSF DRWG	PSF DATE	PSF REF
			IL	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.

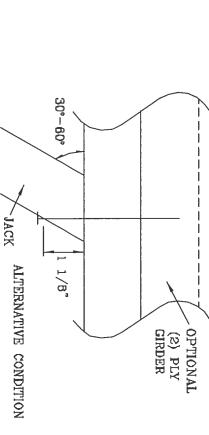
THIS DETAIL DISPLAYS A TOE-NAILED CONNECTION FOR JACK FRAMING INTO A SINGLE OR DOUBLE PLY SUPPORTING GIRDER.

MAXIMUM LATERAL RESISTANCE OF 16d (0.162"X3.5") COMMON TOE-NAILS

TOE-NAILS         1 PLY         2 PLIES         1 PLY         2 PLIES         1 PLY         2 PLIES         1 PLY         2 I           2         187#         256#         181#         234#         156#         203#         154#         18           3         296#         383#         271#         351#         234#         304#         230#         23           4         394#         511#         361#         468#         312#         406#         307#         38           5         493#         639#         452#         585#         390#         507#         384#         41	UMBER OF		SOUTHERN PINE	DOUGLAS	DOUGLAS FIR-LARCH	HEM-FIR	-FIR	SPRUCE PINE FIR	PINE FIR
256#     181#     234#     156#     203#     154#       383#     271#     351#     234#     304#     230#       511#     361#     468#     312#     406#     307#       639#     452#     585#     390#     507#     384#	OE-NAILS		2 PLIES	1 PLY	2 PLIES	1 PLY	2 PLIES		2 PLIES
383#     271#     351#     234#     304#     230#       511#     361#     468#     312#     406#     307#       639#     452#     585#     390#     507#     384#	N	197#	256#	181#	234#	156#	203#	154#	189#
511#     361#     468#     312#     406#     307#       639#     452#     585#     390#     507#     384#	ယ	296#	383#	271#	351#	234#	304#	230#	298#
639# 452# 585# 390# 507# 384#	4	394#	511#	361#	468#	312#	406#	307#	397#
	Ó	493#	639#	452#	585#	390#	507#	384#	498#

OPTIONAL
(2) PLY

GIRDER



1/B

JACK

THIS DRAWING REPLACES DRAWING 784040

			THESE TUNDIDUS. UNLESS CITHERYDS: INDICATED, TOP CHORD SHALL HAVE PROPERTY ATTACHED RECEDENCE STRUCTURAL PANELS AND BOTTON CHORD SHALL HAVE A PROPERTY ATTACHED RECEDENCE.	PLATE INSTITUTE, 380 ENTERPRISE LN, MADISON, VI 337/99) FOR SAFETY PRACTICES PRIDE TO FERENRAING	TRUSSES REQUIRE EXTREME CARE IN FARRICATING, HANDLING, SHIPPING, DATALLING AND BOACHE. SEED IN SECTION OF THE PROPERTY CAPTRY SHIPPING, SHIPPING, DATALLING AND	
STATE OF FLORIDA	No: 34869			1460 SY 4th AVENUE DELRAY BEACH, FL S3444-2161	CONS ENGINEERS P.A.	S, HH. SINLINI
SPACING	DUR. FAC. 1.00	TOT. LD.	BC LL	BC DL	TC DL	TC LL
	1.00	PSF	PSF -	PSF	PSF	PSF
			-ENG JL	DRWG CNTONAIL1103	DATE 11/26/03	PSF REF TOE-NAIL

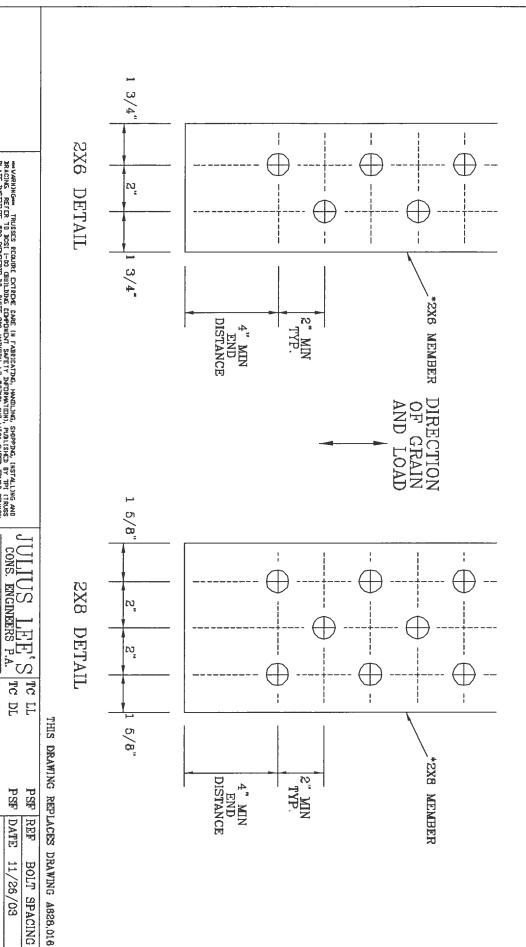
## DIAMETER BOLT SPACING FOR LOAD APPLIED PARALLEL TO

GRADE AND SPECIES AS SPECIFIED ON THE ALPINE DESIGN

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

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

WASHERS REQUIRED UNDER BOLT HEAD AND NUT



\*\*\*WARNING\*\*\* TRUSSES REQUIRE EXTREME ENACE IN FABRIDATING, HANDLING, SHIPPING, INSTA RACING REFER TO INSEL I-RO GIBILIDAS EXPENIENT SAFETY INFORMATION), PUBLISHED BY RACING REFER TO INSEL I-RO GIBILIDAS EXPENIENT SAFETY INFORMATION, PUBLISH BY LATE DASTITUE, 530 DOCHERO INS. INTIE DOC, MUSISH, V. 137199 AND ENTERPRISE TO PER THESE FINCTIONS. UNLESS GITHENVIS DEMONSTRUCTURE APRICE SHALL HAVE PROPERLY ATTACHED RUDD CELLING.

NG, HANDILING, SHOPPING, (NSTALLING AND INFEDENTIAL), PUBLISHED BY THE (TRUSS - 23739 AND WICA CHOOD TRUSS COUNCIL SELT PRACTICES PRIDE TO PERFORMED SHALL HAVE PROPERLY ATTACHED

DELRAY BEACH, FL 33444-2161

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No: 34869 STATE OF FLORIDA

SPACING DUR. FAC ح

# TRULOX CONNECTION DETAIL

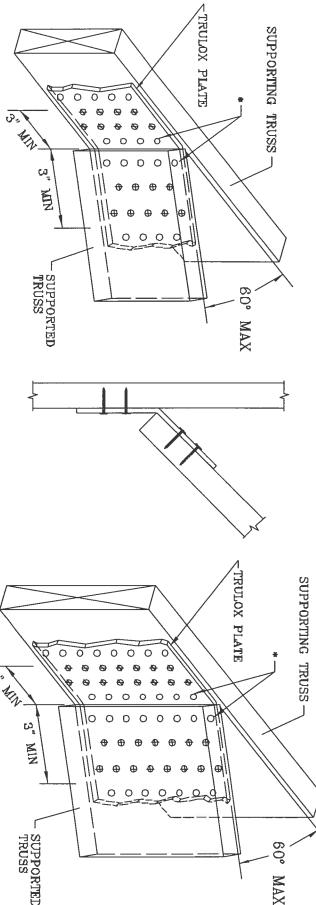
11 GAUGE (0.120" X 1.375") NAILS REQUIRED FOR TRULOX PLATE ATTACHMENT. FILL ROWS COMPLETELY WHERE SHOWN (\( \phi \)).

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.

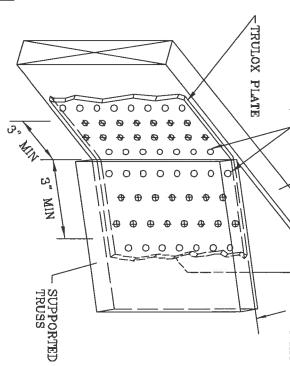
TRULOX PLATE IS CENTERED ON THE CHORDS AND BENT BETWEEN NAIL ROWS.

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



MINIMUM 3X6 TRULOX PLATE

#066	15	5X6
350#	9	3X6
MAXIMUM LOAD UP OR DOWN	REQUIRED NAILS PER TRUSS	TRULOX PLATE SIZE

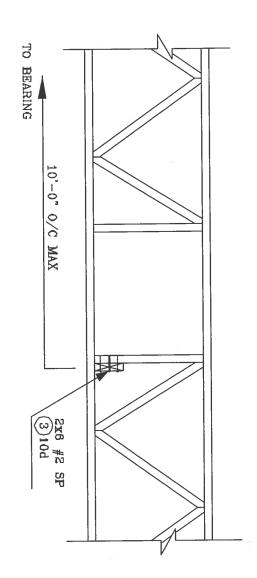


THIS DRAWING REPLACES DRAWINGS 1.158,980 1.158,989/R 1.154,844 1.152,217 1.152,017 1.159,154 & 1.151,524

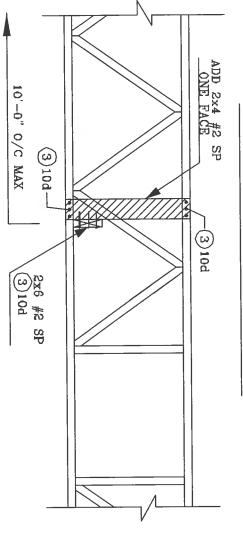
MINIMUM 5X6 TRULOX PLATE

	THISE FORCHUMS. ONLESS DIMERVISE MUDERIED, THE CHURD SHALL HAVE PROPERLY ATTRICED ROOD CELLING.	PLATE INSTITUTE, 383 D'INGRIII DR., SUITE EDD, MARISDN, VI. 33739 AND VICA CVOIDI THIS COUNCIL DE AMERICA, 6300 EMILIBARISE LIA, MADISDN, VI. 33739) FOR SAFETY PRACTICES PRIER TO PERFURNING			
No: 34869 STATE OF FLORIDA		DELIFAT BEACH, IL SEA44-2161	12	JULIUS LEE'S	P.E.O.L.O.T.
					1,100,011 1,100,011
	-ENG JL	DRWG CNTRULOX1103	DATE 11/26/03	REF TRULOX	Titopieti titopioti Titopitot & titotioed

# STRONG BACK DETAIL SYSTEM-42 OR FLAT TRUSS



## ALTERNATE DETAIL FOR STRONG BACK WITH VERTICAL NOT LINING UP



JULIJUS LHE'S CONS. ENGINEERS P.A.

1466 SW 4th AVENTY

DELRAY BEACH, 7L 33441-2101

NO: 34860

STATE OF FLORIDA

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TO BEARING