

**Project Information for:** L261859

6 Lot:

Subdivision: **PLANTATION ESTATES** 

COLUMBIA County:

Truss Count: 36

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. Owner/Builder of Record, responsible for structural engineering:

Unknown at time of seal date.

Address: N/A

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.

Truss ID

T20

T21

T22

T23

T24

T25

T26

T27

Date

12/7/07

12/7/07

12/7/07

12/7/07

12/7/07

12/7/07

12/7/07

12/7/07

Drwg. #

J1916118

J1916119

J1916120

J1916121

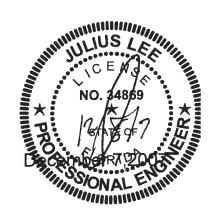
J1916122

J1916123

J1916124

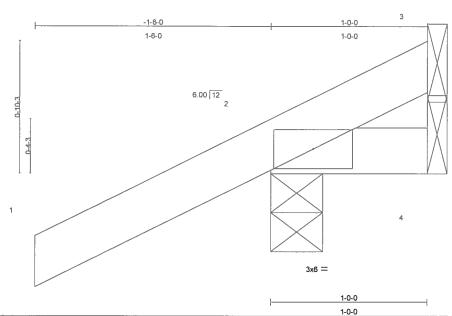
J1916125

No.	Drwg. #	Truss ID	Date	No.
1	J1916090	CJ1	12/7/07	29
2	J1916091	CJ3	12/7/07	30
3	J1916092	CJ5	12/7/07	31
4	J1916093	EJ7	12/7/07	32
5	J1916094	EJ7A	12/7/07	33
6	J1916095	EJ7B	12/7/07	34
7	J1916096	EJ7C	12/7/07	35
8	J1916097	EJ7G	12/7/07	36
9	J1916098	HJ9	12/7/07	
10	J1916099	T01	12/7/07	
11	J1916100	T02	12/7/07	
12	J1916101	T03	12/7/07	
13	J1916102	T04	12/7/07	
14	J1916103	T05	12/7/07	
15	J1916104	T06	12/7/07	
16	J1916105	T07	12/7/07	
17	J1916106	T08	12/7/07	
18	J1916107	T09	12/7/07	
19	J1916108	T10	12/7/07	
20	J1916109	T11	12/7/07	
21	J1916110	T12	12/7/07	
22	J1916111	T13	12/7/07	
23	J1916112	T14	12/7/07	
24	J1916113	T15	12/7/07	
25	J1916114	T16	12/7/07	
26	J1916115	T17	12/7/07	
27	J1916116	T18	12/7/07	
28	J1916117	T19	12/7/07	



,	13p	Truss	Truss Type	Qty	Ply	WINSBERG	٦
•	L261859	C 11	JACK	6	4	J1916090	1
	1201000	CJT	JACK	٥	'	Job Reference (optional)	

6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Dec 07 12:46:15 2007 Page 1



LOADING (psf) **SPACING** 2-0-0 CSI **DEFL** in (loc) I/defl L/d **PLATES GRIP TCLL** 20.0 Plates Increase 1.25 TC 0.15 MT20 Vert(LL) -0.002 >999 360 244/190 TCDL 7.0 BC Lumber Increase 1.25 0.01 Vert(TL) -0.002 >999 240 **BCLL** 10.0 \* Rep Stress Incr YES WB 0.00 0.00 3 Horz(TL) n/a n/a **BCDL** Code FBC2004/TPI2002 (Matrix) 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

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

Max Horz 2=70(load case 6)

Max Uplift 2=-181(load case 6), 3=-41(load case 1)

Max Grav 2=180(load case 1), 4=14(load case 2), 3=62(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/35, 2-3=-45/35

BOT CHORD 2-4=0/0

#### **JOINT STRESS INDEX**

2 = 0.10

# **NOTES**

- Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 181 lb uplift at joint 2 and 41 lb uplift at joint 3. Continued on page 2

- Alla Date Looping
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ボール・Refer to Alla - ロード Refer to
1 までから にした median From 大手である。
またから、これでは、Alla Date Company を対します。

December 7,2007

Scale = 169

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



'sop	Truss	Truss Type	Qty	Ply	WINSBERG
L261859	CJ1	JACK	6	1	J1916090
			Ĭ	,	Job Reference (optional)

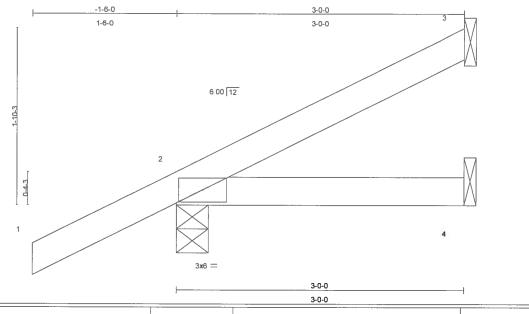
6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Dec 07 12:46:15 2007 Page 2

LOAD CASE(S) Standard



Job	Truss	Truss Type	Qty	Ply	WINSBERG
L261859	CJ3	JACK	6	1	J1916091
			ľ		Job Reference (optional)

6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Dec 07 12:46:15 2007 Page 1



BCLL 10.0 * Rep Stress Incr YES WB 0.00 Horz(TL) -0.00 3 n/a n/a BCDL 5.0 Code FBC2004/TPI2002 (Matrix) Weight: 12 lb		20.0 7.0 10.0	Plates Increase Lumber Increase * Rep Stress Incr				Vert(LL) Vert(TL) Horz(TL)	in -0.00 -0.01 -0.00	(loc) 2-4 2-4 3	l/defl >999 >999 n/a	L/d 360 240 n/a	PLATES MT20 Weight: 12 lb	<b>GRIP</b> 244/1
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**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=115(load case 6)

Max Uplift 3=-37(load case 6), 2=-153(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=0/35, 2-3=-49/16

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
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 37 lb uplift at joint 3 and 153 lb uplift at joint 2. Continued on page 2

December 7,2007

Scale = 1:11.4

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 oce. 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	WINSBERG
L261859	CJ3	JACK	6	1	J191609 <sup>-</sup>
	000	0,10.1		'	Job Reference (optional)

6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Dec 07 12:46:16 2007 Page 2

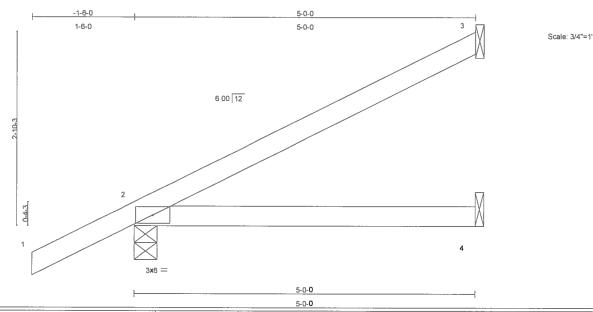
LOAD CASE(S) Standard

Julius Less Fries Losson Engineer Frieda FM No. 34Meth 1100 Greens Pay Mod Ucynton Ugach, FL 99436



Job	Truss	Truss Type	Qty	Ply	WINSBERG	
L261859	CJ5	JACK	6	1		J1916092
		U/ (O/ (		'	Job Reference (optional)	

6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Dec 07 12:46:16 2007 Page 1



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 (Mate	0.24 0.16 0.00 rix)	DEFL Vert(LL) Vert(TL) Horz(TL)	in -0.03 -0.05 -0.00	(loc) 2-4 2-4 3	I/defl >999 >999 n/a	L/d 360 240 n/a	PLATES MT20 Weight: 18 lb	<b>GRIP</b> 244/190
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**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

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

Max Horz 2=162(load case 6)

Max Uplift 3=-101(load case 6), 2=-159(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=0/35, 2-3=-96/41

**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
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 101 lb uplift at joint 3 and 159 lb uplift at joint 2. Continued on page 2

December 7,2007

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 does. 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	WINSBERG
L261859	CJ5	JACK	6	1	J191609
2201000	000	JACK		'	Job Reference (optional)

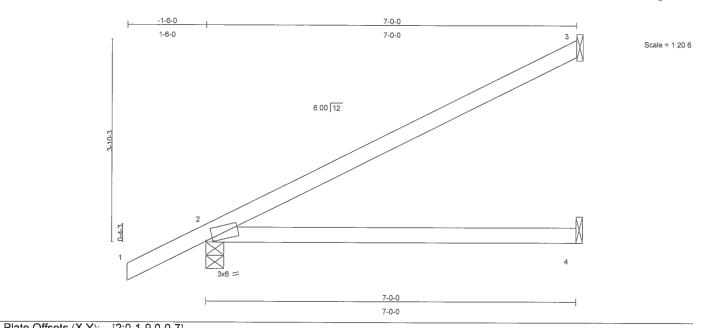
6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Dec 07 12:46:16 2007 Page 2

LOAD CASE(S) Standard



Job	Truss	Truss Type	Qty	Ply	WINSBERG
L261859	EJ7	MONO TRUSS	18	1	J1916093
2201000	201	10000	10	'	Job Reference (optional)

6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Dec 07 12:46:17 2007 Page 1



LOADIN	IC (not)	). [2.0-1-9,0-0-7]	200	CCI		DEFI		(1)	1/-10	1.44	DIATEO	0010
	VI /	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)	0.11	2-4	>756	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	ВС	0.28	Vert(TL)	-0.17	2-4	>488	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: 25 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=48/Mechanical

Max Horz 2=149(load case 6)

Max Uplift 3=-88(load case 6), 2=-112(load case 6)

Max Grav 3=157(load case 1), 2=318(load case 1), 4=94(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/35, 2-3=-122/56

BOT CHORD 2-4=0/0

#### **JOINT STRESS INDEX**

2 = 0.88

# **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 88 lb Connection (by others) of truss to bearing plate capable of withstanding 88 lb

alterina Lawam Tina ang tilapagangan (ilapagangangan Hilapagang Pelas Palas di Hilapagan Ilapagangan kelasan di Pelasay (ini peri Lapagan terah

December 7,2007

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	WINSBERG	
L261859	EJ7	MONO TRUSS	18	1		J1916093
	1.1.07				Job Reference (optional)	

6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Dec 07 12:46:17 2007 Page 2

LOAD CASE(S) Standard



Job	Truss	Truss Type	Qty	Ply	WINSBERG
L261859	EJ7A	MONO TRUSS	4	1	J1916094
					Job Reference (optional)

6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Dec 07 12:46:17 2007 Page 1

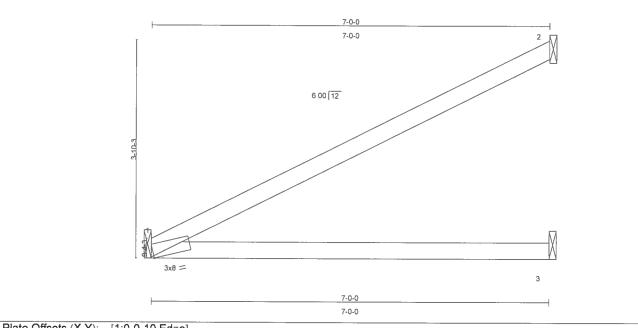


Plate Of	nsets (X, Y	): [1:0-0-10,Edge]										
LOADIN	\	SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defi	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.35	Vert(LL)	0.14	1-3	>589	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.28	Vert(TL)	-0.17	1-3	>498	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	2	n/a	n/a		
BCDL	5.0	Code FBC2004/TF	PI2002	(Mat	rix)						Weight: 22 lb	

LUMBER

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

TOP CHORD **BOT CHORD** 

6-0-0 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc

Structural wood sheathing directly applied or

bracing.

REACTIONS (lb/size) 1=220/Mechanical, 2=165/Mechanical, 3=55/Mechanical

Max Horz 1=113(load case 6)

Max Uplift 1=-32(load case 6), 2=-93(load case 6)

Max Grav 1=220(load case 1), 2=165(load case 1), 3=97(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-126/58 **BOT CHORD** 1-3=0/0

#### **JOINT STRESS INDEX**

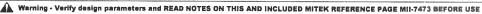
1 = 0.87

# **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 32 lb Complified is intagend 93 lb uplift at joint 2.

December 7,2007

Scale = 1:19 2



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Job .	Truss	Truss Type	Qty	Ply	WINSBERG	
L261859	EJ7A	MONO TRUSS	4	1		J1916094
					Job Reference (optional)	

6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Dec 07 12:46:18 2007 Page 2

LOAD CASE(S) Standard



	Job	Truss	Truss Type	Qty	Ply	WINSBERG	
	L261859	EJ7B	SPECIAL	_	4	J1916	)95
	L201039	EJ/ B	SPECIAL	5	1	Job Reference (optional)	
Į				l		Job Reference (optional)	

6.300 s Apr 19 2006 MiTek Industries, Inc. Fri Dec 07 13:00:32 2007 Page 1

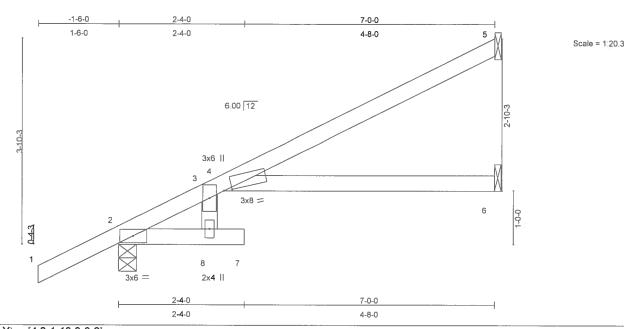


Plate Of	tsets (X, Y	): [4:0-1-13,0-0-2]										
LOADIN	IG (psf)	SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.43	Vert(LL)	0.19	` 7	>417	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	ВС	0.39	Vert(TL)	-0.19	4-6	>419	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.09	6	n/a	n/a		
BCDL	5.0	Code FBC2004/T	PI2002	(Mat	rix)						Weight: 26 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.2

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

3-8 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=142/Mechanical, 2=320/0-4-0, 6=65/Mechanical

Max Horz 2=149(load case 6)

Max Uplift 5=-73(load case 6), 2=-110(load case 6), 6=-4(load case 6) Max Grav 5=142(load case 1), 2=320(load case 1), 6=92(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension TOP CHORD 1-2=0/35, 2-3=-243/0, 3-4=-135/0, 4-5=-97/52 BOT CHORD 2-8=-134/148, 7-8=0/0, 3-8=0/68, 4-6=0/0

# JOINT STRESS INDEX

2 = 0.21, 3 = 0.52, 4 = 0.94 and 8 = 0.30

#### 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 73 lb uplift at joint 5, 110 lb uplift at joint 2 and 4 lb uplift at joint 6.

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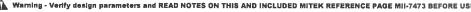
December 7,2007

#### LOAD CASE(S) Standard



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December 7,2007



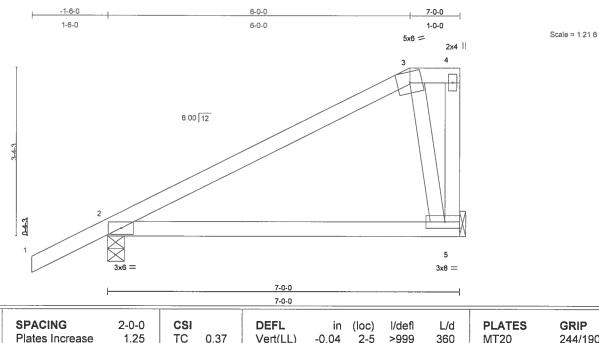
Warming - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE

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. 
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Job	Truss	Truss Type	Qty	Ply	WINSBERG	
L261859	EJ7C	MONO HIP	2	1		J1916096
120,000	2070	WIGHT		'	Job Reference (optional)	

6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Dec 07 12:46:19 2007 Page 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	0.37	Vert(LL)	-0.04	2-5	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.14	Vert(TL)	-0.08	2-5	>950	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.11	Horz(TL)	-0.00	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TF	PI2002	(Mat	rix)						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, except end verticals. Rigid ceiling directly applied or 10-0-0 oc bracing.

BOT CHORD

REACTIONS (lb/size) 5=203/Mechanical, 2=315/0-4-0

Max Horz 2=134(load case 6)

Max Uplift 5=-61(load case 6), 2=-117(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/35, 2-3=-185/27, 3-4=-44/0, 4-5=-203/140

BOT CHORD 2-5=-114/103 WEBS 3-5=-311/429

**JOINT STRESS INDEX** 

2 = 0.42, 3 = 0.63, 4 = 0.42 and 5 = 0.61

# 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) Provide adequate drainage to prevent water ponding.
- \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 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 61 lb uplift at joint 5 and 117 lb uplift at joint 2. Continued on page 2

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Job _	Truss	Truss Type	Qty	Ply	WINSBERG	
L261859	EJ7C	MONO HIP	2	1		J1916096
					Job Reference (optional)	

6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Dec 07 12:46:19 2007 Page 2

LOAD CASE(S) Standard



Job	Truss	Truss Type	Qty	Ply	WINSBERG	
L261859	EJ7G	GABLE	2	1	J19160	)97
			-		Job Reference (optional)	

6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Dec 07 12:46:19 2007 Page 1

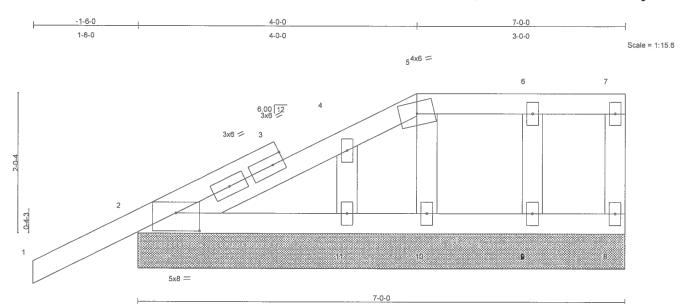


Plate Off	sets (X,Y	): [2:0-4-0,0-3-1]										
LOADIN	G (psf)	SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.18	Vert(LL)	0.00	ìí	n/r	120	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.04	Vert(TL)	-0.00	1	n/r	90		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.03	Horz(TL)	-0.00	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TF	PI2002	(Mat	rix)						Weight: 34 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
OTHERS	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 10-0-0 oc

bracing.

**REACTIONS** (lb/size) 2=225/7-0-0, 8=33/7-0-0, 9=120/7-0-0, 11=152/7-0-0, 10=74/7-0-0

Max Horz 2=126(load case 6)

Max Uplift 2=-148(load case 6), 8=-17(load case 4), 9=-54(load case 5), 11=-56(load case 6), 10=-42(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/41, 2-3=-62/0, 3-4=-63/29, 4-5=-28/1, 5-6=-2/2, 6-7=-1/3, 7-8=-28/31

**BOT CHORD** 2-11=-10/7, 10-11=-10/7, 9-10=-3/1, 8-9=-3/1 WEBS 6-9=-104/107, 4-11=-127/130, 5-10=-67/84

#### **JOINT STRESS INDEX**

2 = 0.55, 3 = 0.00, 3 = 0.21, 3 = 0.21, 4 = 0.07, 5 = 0.06, 6 = 0.06, 7 = 0.04, 8 = 0.02, 9 = 0.06, 10 = 0.05 and 11 = 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.

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2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal Coffithe (PSR) page MiTek "Standard Gable End Detail"

December 7,2007



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Job _	Truss	Truss Type	Qty	Ply	WINSBERG	
L261859	EJ7G	GABLE	2	1	J	J1916097
					Job Reference (optional)	

6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Dec 07 12:46:19 2007 Page 2

#### **NOTES**

- 3) Provide adequate drainage to prevent water ponding.
- 4) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) All plates are 2x4 MT20 unless otherwise indicated.
- 6) Gable requires continuous bottom chord bearing.
- 7) Gable studs spaced at 1-4-0 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 148 lb uplift at joint 2, 17 lb uplift at joint 8, 54 lb uplift at joint 9, 56 lb uplift at joint 11 and 42 lb uplift at joint 10.
- 10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

# LOAD CASE(S) Standard

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

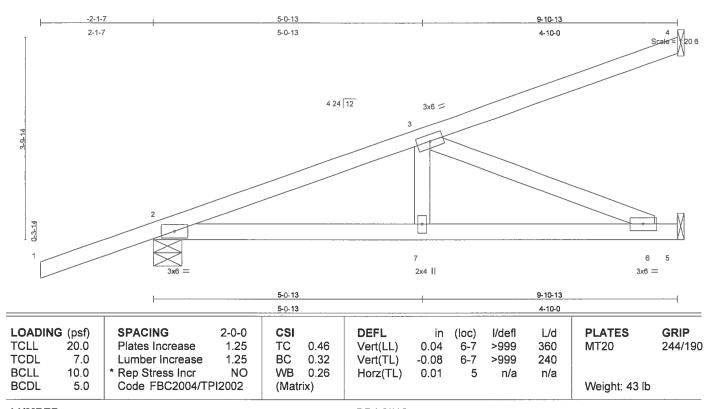
Vert: 1-5=-64(F=-10), 5-7=-64(F=-10), 2-8=-10

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Job	Truss	Truss Type	Qty	Ply	WINSBERG
1.004050		MONO TRUGO			J1916098
L261859	HJ9	MONO TRUSS	3	1	
					Job Reference (optional)

6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Dec 07 12:46:20 2007 Page 1



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) 4=234/Mechanical, 2=409/0-6-7, 5=261/Mechanical

Max Horz 2=254(load case 3)

Max Uplift 4=-204(load case 3), 2=-231(load case 3), 5=-102(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/38, 2-3=-621/145, 3-4=-93/57 BOT CHORD 2-7=-324/566, 6-7=-324/566, 5-6=0/0

WEBS 3-7=0/195, 3-6=-613/350

#### **JOINT STRESS INDEX**

2 = 0.50, 3 = 0.16, 6 = 0.16 and 7 = 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; 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 204 lb uplift at joint 4, 231 lb uplift at joint 2 and 102 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 intore Levelop Enganger Florista Pil Dic officer 1 1000 Carenwals From Flori Governos Leonor, 1-1 1904 of

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

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Job	Truss	Truss Type	Qty	Ply	WINSBERG
L261859	HJ9	MONO TRUSS	3	1	J1916098
					Job Reference (optional)

6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Dec 07 12:46:20 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)

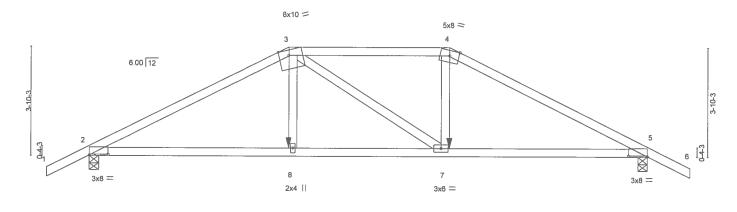
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Job	Truss	Truss Type	Qty	Ply	WINSBERG	
L261859	T01	HIP	1	1	J1910	6099
					Job Reference (optional)	

6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Dec 07 12:46:21 2007 Page 1





7-0-0	12-8-0	19-8-0
7-0-0	5-8-0	7-0-0

Plate Offsets (X,Y	Plate Offsets (X,Y): [2:0-8-0,0-0-6], [3:0-4-3,Edge], [5:0-8-0,0-0-6]												
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 NO Pl2002	CSI TC BC WB (Mat	0.48 0.51 0.18	DEFL Vert(LL) Vert(TL) Horz(TL)	in -0.08 -0.17 0.07	(loc) 7-8 7-8 5	I/defl >999 >999 n/a	L/d 360 240 n/a	PLATES MT20 Weight: 85 lb	<b>GRIP</b> 244/190		

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

WEBS 2 X 4 SYP No.3

# BRACING

TOP CHORD

Structural wood sheathing directly applied or

3-9-8 oc purlins.

BOT CHORD

Rigid ceiling directly applied or 8-0-6 oc

bracing.

#### **REACTIONS** (lb/size) 2=1329/0-4-0, 5=1329/0-4-0

Max Horz 2=68(load case 5)

Max Uplift 2=-444(load case 5), 5=-444(load case 6)

# FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/35, 2-3=-2364/711, 3-4=-2055/674, 4-5=-2365/711, 5-6=0/35

BOT CHORD 2-8=-609/2033, 7-8=-614/2054, 5-7=-572/2034 WEBS 3-8=-112/519, 3-7=-130/133, 4-7=-131/570

# JOINT STRESS INDEX

2 = 0.72, 3 = 0.80, 4 = 0.77, 5 = 0.72, 7 = 0.36 and 8 = 0.37

# **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

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December 7,2007

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Job	Truss	Truss Type	Qty	Ply	WINSBERG
L261859	T01	HIP	1	1	J1916099
2201000	101		<u> </u>		Job Reference (optional)

6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Dec 07 12:46:21 2007 Page 2

#### **NOTES**

- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 444 lb uplift at joint 2 and 444 lb uplift at joint 5.
- 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

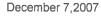
Uniform Loads (plf)

Vert: 1-3=-54, 3-4=-117(F=-63), 4-6=-54, 2-8=-10, 7-8=-22(F=-12), 5-7=-10

Concentrated Loads (lb)

Vert: 8=-411(F) 7=-411(F)

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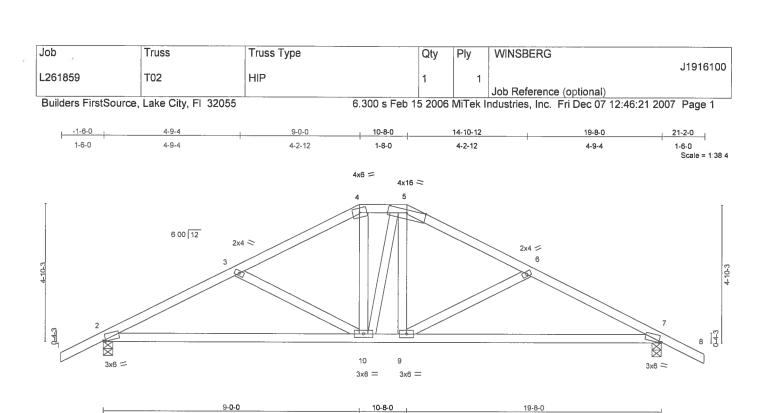


Plate Of	ffsets (X,Y	(): [2:0-1-1,0-0-7], [7:	0-1-1,0-0-	.7]								
LOADIN	IG (psf)	SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.21	Vert(LL)	-0.13	7-9	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	ВС	0.44	Vert(TL)	-0.24	7-9	>962	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.12	Horz(TL)	0.03	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TF	PI2002	(Mat				·			Weight: 101 lb	

1-8-0

**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 **BOT CHORD**  Structural wood sheathing directly applied or

6-0-0 oc purlins.

9-0-0

Rigid ceiling directly applied or 10-0-0 oc

bracing.

**REACTIONS** (lb/size) 2=709/0-4-0, 7=709/0-4-0

Max Horz 2=-80(load case 7)

Max Uplift 2=-204(load case 6), 7=-204(load case 7)

9-0-0

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/35, 2-3=-1055/584, 3-4=-792/458, 4-5=-663/460, 5-6=-790/458,

6-7=-1055/584, 7-8=0/35

**BOT CHORD** 2-10=-385/889, 9-10=-169/660, 7-9=-385/889

**WEBS** 3-10=-265/244, 4-10=-75/204, 5-10=-106/119, 5-9=-78/208, 6-9=-267/246

# **JOINT STRESS INDEX**

2 = 0.86, 3 = 0.33, 4 = 0.35, 5 = 0.38, 6 = 0.33, 7 = 0.87, 9 = 0.34 and 10 = 0.59

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 Collyndeads page 2

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Job	Truss	Truss Type	Qty	Ply	WINSBERG
L261859	T02	HIP	1	1	J1916100
	102	THE	<u> </u>	'	Job Reference (optional)

6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Dec 07 12:46:21 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 204 lb uplift at joint 2 and 204 lb uplift at joint 7.

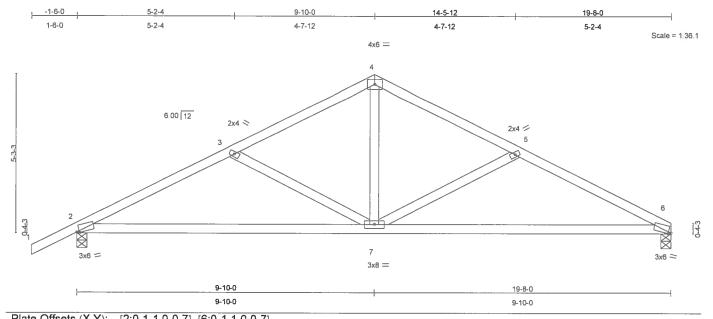
LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	WINSBERG
L261859	Т03	COMMON	2	1	J1916101
L201039	103	COMMON	2	'	Job Reference (optional)

6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Dec 07 12:46:22 2007 Page 1



Flate O	ilsets (X, Y	): [2:0-1-1,0-0-7], [6:	0-1-1,0-0-	-/							<u> </u>	
LOADIN	NG (psf)	SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.25	Vert(LL)	-0.14	`6-7	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	ВС	0.47	Vert(TL)	-0.27	6-7	>853	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.16	Horz(TL)	0.03	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TF	PI2002	(Mat	rix)						Weight: 87 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
BOT CHORD

Structural wood sheathing directly applied or

5-9-11 oc purlins.

Rigid ceiling directly applied or 9-0-6 oc

bracing.

**REACTIONS** (lb/size) 6=615/0-4-0, 2=713/0-4-0

Max Horz 2=94(load case 6)

Max Uplift 6=-134(load case 7), 2=-209(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/35, 2-3=-1051/596, 3-4=-770/465, 4-5=-771/467, 5-6=-1050/614

BOT CHORD 2-7=-449/882, 6-7=-473/896

WEBS 3-7=-299/262, 4-7=-200/425, 5-7=-315/288

# JOINT STRESS INDEX

2 = 0.86, 3 = 0.33, 4 = 0.44, 5 = 0.33, 6 = 0.86 and 7 = 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.
- \*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

Transmitterstages transmisser Fine base Pills File Joseph Bents 1 1/20 Classwild Those Stillers 1-6/971041 Moderni, 1-8 1925-9 16





Job ,	Truss	Truss Type	Qty	Ply	WINSBERG	
L261859	T03	COMMON	2	1	J19	916101
					Job Reference (optional)	

6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Dec 07 12:46:22 2007 Page 2

## **NOTES**

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 134 lb uplift at joint 6 and 209 lb uplift at joint 2.

LOAD CASE(S) Standard

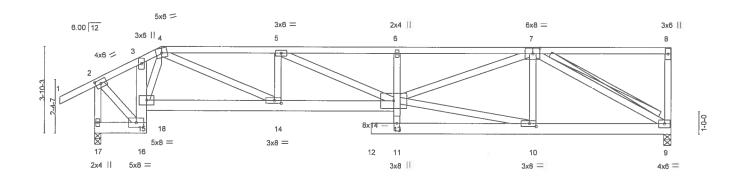


Job	Truss	Truss Type	Qty	Ply	WINSBERG
L261859	T04	SPECIAL	1	1	J1916102
2201033	104	of Edine		,	Job Reference (optional)

6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Dec 07 12:46:23 2007 Page 1



Scale: 1/4"=1"



2-3-8	8-1-8	12-3-8	13-3-8	19-5-12	25-8-0
2-3-8	5-10-0	4-2-0	1-0-0	6-2-4	6-2-4

Plate Of	ffsets (X,Y	): [2:0-2-15,0-2-0], [7	7:0-3-12,0	-3-0], [1	0:0-3-8,0	)-1-8], [14:0-3	-8,0-1-8	<u> </u>		S	T-	
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	0.93	Vert(LL)	-0.28	12	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.79	Vert(TL)	-0.55	12	>558	240	1	
BCLL	10.0	* Rep Stress Incr	NO	WB	0.80	Horz(TL)	0.17	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TF	PI2002	(Mat	rix)						Weight: 180 lb	

LUMBER TOP CHORD 2 X 4 SYP No.2

BOT CHORD 2 X 6 SYP No.1D \*Except\* 6-11 2 X 4 SYP No.1D

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

**BRACING** 

TOP CHORD

**BOT CHORD** 

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

**WEBS** T-Brace:

2 X 4 SYP No.3 - 7-9

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

Structural wood sheathing directly applied or

2-5-6 oc purlins, except end verticals.

minimum end distance.

Brace must cover 90% of web length.

**REACTIONS** (lb/size) 9=1763/0-4-0, 17=1806/0-3-8

Max Horz 17=136(load case 5)

Max Uplift 9=-599(load case 4), 17=-541(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/41, 2-3=-1253/434, 3-4=-1532/508, 4-5=-3977/1356, 5-6=-4484/1511,

6-7=-4427/1500, 7-8=-115/49, 8-9=-329/169, 2-17=-1384/588
16-17=-100/36, 15-16=-839/262, 3-15=-114/88, 15-18=-648/1778, 14-18=-648/1778 | 1-18=-648/1778 | 1-18=-648/1778 | 1-18=-648/1778 | 1-18=-648/1778 | 1-18=-648/1778 | 1-18=-648/1778 | 1-18=-648/1778 | 1-18=-648/1778 | 1-18=-648/1778 | 1-18=-648/1778 | 1-18=-648/1778 | 1-18=-648/1778 | 1-18=-648/1778 | 1-18=-648/1778 | 1-18=-648/1778 | 1-18=-648/1778 | 1-18=-648/1778 | 1-18=-648/1778 | 1-18=-648/1778 | 1-18=-648/1778 | 1-18=-648/1778 | 1-18=-648/1778 | 1-18=-648/1778 | 1-18=-648/1778 | 1-18=-648/1778 | 1-18=-648/1778 | 1-18=-648/1778 | 1-18=-648/1778 | 1-18=-648/1778 | 1-18=-648/1778 | 1-18=-648/1778 | 1-18=-648/1778 | 1-18=-648/1778 | 1-18=-648/1778 | 1-18=-648/1778 | 1-18=-648/1778 | 1-18=-648/1778 | 1-18=-648/1778 | 1-18=-648/1778 | 1-18=-648/1778 | 1-18=-648/1778 | 1-18=-648/1778 | 1-18=-648/1778 | 1-18=-648/1778 | 1-18=-648/1778 | 1-18=-648/1778 | 1-18=-648/1778 | 1-18=-648/1778 | 1-18=-648/1778 | 1-18=-648/1778 | 1-18=-648/1778 | 1-18=-648/1778 | 1-18=-648/1778 | 1-18=-648/178 | 1-18=-648/178 | 1-18=-648/178 | 1-18=-648/178 | 1-18=-648/178 | 1-18=-648/178 | 1-18=-648/178 | 1-18=-648/178 | 1-18=-648/178 | 1-18=-648/178 | 1-18=-648/178 | 1-18=-648/178 | 1-18=-648/178 | 1-18=-648/178 | 1-18=-648/178 | 1-18=-648/178 | 1-18=-648/178 | 1-18=-648/178 | 1-18=-648/178 | 1-18=-648/178 | 1-18=-648/178 | 1-18=-648/178 | 1-18=-648/178 | 1-18=-648/178 | 1-18=-648/178 | 1-18=-648/178 | 1-18=-648/178 | 1-18=-648/178 | 1-18=-648/178 | 1-18=-648/178 | 1-18=-648/178 | 1-18=-648/178 | 1-18=-648/178 | 1-18=-648/178 | 1-18=-648/178 | 1-18=-648/178 | 1-18=-648/178 | 1-18=-648/178 | 1-18=-648/178 | 1-18=-648/178 | 1-18=-648/178 | 1-18=-648/178 | 1-18=-648/178 | 1-18=-648/178 | 1-18=-648/178 | 1-18=-648/178 | 1-18=-648/178 | 1-18=-648/178 | 1-18=-648/178 | 1-18=-648/178 | 1-18=-648/178 | 1-18=-648/178 | 1-18=-648/178 | 1-18=-648/178 | 1-18=-648/178 | 1-18=-648/178 | 1-18=-648/178 | 1-18=-648/178 | 1-18=-648/178 | 1-18=-648/178 | 1-18=-648/178 | 1-18=-648/178 | 1-18=-648/178 | **BOT CHORD** 

, 13-14=-1356/3977, 11-13=0/191, 6-13=-647/336, 11-12=0/0, 10-11=-247/748,

9-10=-820/2432

**WEBS** 4-15=-941/436, 4-14=-795/2436, 5-14=-837/397, 5-13=-189/559, 10-13=-581/1707,

7-13=-735/2156, 7-10=-240/226, 7-9=-2672/890, 2-16=-456/1478

#### **JOINT STRESS INDEX**

NT STRESS INDEX
2 = 0.75, 3 = 0.76, 4 = 0.84, 5 = 0.34, 6 = 0.33, 7 = 0.83, 8 = 0.70, 9 = 0.69, 10 = 0.64, 11 = 0.71, 13 = 0.70, 14 = 0.95, 15 =
December 7,2007 Continued on page 2 and 17 = 0.67

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	WINSBERG
L261859	T04	SPECIAL	1	1	J1916102
		0. 20., 12	<u> </u>		Job Reference (optional)

6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Dec 07 12:46:23 2007 Page 2

#### **NOTES**

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60.
- 2) Provide adequate drainage to prevent water ponding.
- 3) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 599 lb uplift at joint 9 and 541 lb uplift at joint 17.
- 6) Girder carries tie-in span(s): 7-0-0 from 0-0-8 to 25-8-8; 7-0-0 from 2-11-8 to 25-8-8; 7-0-0 from 0-0-8 to 2-3-8
- 7) Girder carries hip end with 0-0-0 right side setback, 2-11-8 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

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

Vert: 1-2=-54, 2-4=-54, 4-8=-117(F=-63), 16-17=-85(F=-75), 15-18=-10, 13-18=-22(F=-12), 11-12=-22(F=-12), 9-11=-22(F=-12)

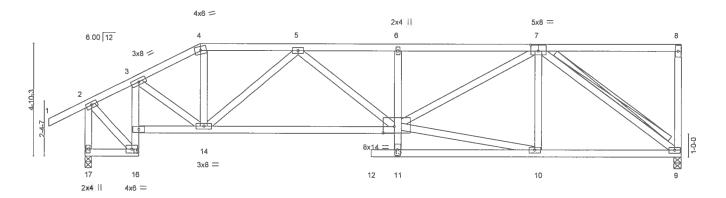
didion Lore Trope Element Electrosep Eliribde PE Plot Steel 1 1966 Chimbial Plot Plot Uoynton Uosch, t. 199416 Uoynton Uosch, t. 199416



	Job	Truss	Truss Type	Qty	Ply	WINSBERG
	1.004.050	TOE	CDECIAL			J1916103
	L261859	T05	SPECIAL	1	1	Job Reference (optional)
Ų		<u> </u>				

6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Dec 07 12:46:24 2007 Page 1





2-3-8	4-11-8	12-3-8	13-3-8,	19-5-12	25-8-0
2-3-8	2-8-0	7-4-0	1-0-0	6-2-4	6-2-4

Plate Offsets (X,Y): [7:0-4-0,0-3-0], [13:0-5-13,0-3-3]
---

LOADING TCLL TCDL	20.0 7.0	SPACING Plates Increase Lumber Increase	2-0-0 1.25 1.25	CSI TC BC	0.37 0.60	DEFL Vert(LL) Vert(TL)	in -0.11 1 -0.23 1		l/defl >999 >999	L/d 360 240	PLATES MT20	<b>GRIP</b> 244/190
BCLL BCDL	10.0 5.0	* Rep Stress Incr Code FBC2004/TF	YES 212002	WB (Mat	0.36 rix)	Horz(TL)	0.10	9	n/a	n/a	Weight: 166 lb	

LOWREK	
TOP CHORD	2 X 4 SY
BOT OLIOBB	2 V 4 CV

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

6-11 2 X 4 SYP No.3

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

TOP CHORD Structural wood sheathing directly applied or

**BOT CHORD** 

Rigid ceiling directly applied or 6-0-0 oc

**WEBS** 

bracing. 2 X 4 SYP No.3 - 7-9

5-0-3 oc purlins, except end verticals.

Fasten T and I braces to narrow edge of web

with 10d Common wire nails, 9in o.c., with 4in

minimum end distance.

Brace must cover 90% of web length.

**REACTIONS** (lb/size) 9=815/0-4-0, 17=912/0-3-8

Max Horz 17=170(load case 6)

Max Uplift 9=-227(load case 5), 17=-186(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/41, 2-3=-601/389, 3-4=-1062/622, 4-5=-937/598, 5-6=-1491/808,

6-7=-1481/811, 7-8=-32/16, 8-9=-148/105, 2-17=-995/635

**BOT CHORD** 16-17=-197/4, 15-16=-418/131, 3-15=-468/167, 14-15=-529/620, 13-14=-791/1332,

11-13=0/123, 6-13=-277/199, 11-12=0/0, 10-11=-66/72, 9-10=-468/868

**WEBS** 3-14=-86/378, 4-14=-123/284, 5-14=-527/257, 5-13=-30/236, 10-13=-407/807,

7-13=-398/711, 7-10=-83/116, 7-9=-1048/565, 2-16=-305/714

# JOINT STRESS INDEX

2 = 0.54, 3 = 0.64, 4 = 0.32, 5 = 0.35, 6 = 0.33, 7 = 0.39, 8 = 0.27, 9 = 0.34, 10 = 0.43, 11 = 0.25, 13 = 0.27, 14 = 0.56, 15 = 0.270.48, 16 = 0.71 and 17 = 0.64

Continued on page 2



Job	Truss	Truss Type	Qty	Ply	WINSBERG
L261859	T05	SPECIAL	1	1	J1916103
2201000	103	or Edine	'	'	Job Reference (optional)

6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Dec 07 12:46:24 2007 Page 2

#### **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; end vertical 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.
- 2) Provide adequate drainage to prevent water ponding.
- 3) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) All plates are 3x6 MT20 unless otherwise indicated.
- 5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 227 lb uplift at joint 9 and 186 lb uplift at joint 17.

LOAD CASE(S) Standard

Albitare Lere Tribbe (Leseague Ersgérages Midriade Prim Falo - O'd Regio 1 1866 (Consended Presy Milwed UCVATON UCESCT: 1-11 2004)



Job	Truss	Truss Typ	ре	Qty	Ply	WINSBERG	;	<del></del>	J1916104
L261859	T06	SPECIAL		1	1	Job Referen	ce (optiona	nl)	
Builders FirstSo	urce, Lake City, Fl 3	2055	6.300	Feb 15 2006	MiTek I			7 12:46:25 2007	Page 1
-1-6-8 2	-3-8 6-11-8		13-3-8	18	-1-8	1 2	2-11-8	25-8-0	
1-6-8 2	-3-8 4-8-0		6-4-0	4-	10-0	•	1-10-0	2-8-8	Scale: 1/4"=1"
		5x14 =		2x4		3x6 =		4x6 =	
	6.00 12	4		5		6		7	
3x6 = 2 2 17 2x4	3x8 = 3x6 = 16 4x6 =	14 3x6 =	8x14 12	11 3x6		,	5	10 9 5x14 = 2x4	4-5-15 1-0-0 5-10-3
<u> </u>	-3-8 6-11-8		12-3-8  13-	3-8		22-11-8		25-8-0	
	-3-8 4-8-0	0.451	5-4-0 1-0	)-0		9-8-0		2-8-8	
Plate Offsets (>	(,Y): [13:0-5-12,0-	-2-15]						I	
LOADING (psf. TCLL 20.0 TCDL 7.0	Plates Increa Lumber Incre	ase 1.25	TC 0.30 BC 0.71	Vert(TL)	in ( -0.13 10 -0.24 10	)-11 >999 )-11 >999	L/d 360 240	PLATES MT20	<b>GRIP</b> 244/19
BCLL 10.0 BCDL 5.0			WB 0.67 (Matrix)	Horz(TL)	0.09	9 n/a	n/a	Weight: 180	b

LUMBER

TOP CHORD 2 X 4 SYP No.2

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

5-11 2 X 4 SYP No.3

WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD

**BOT CHORD** 

Structural wood sheathing directly applied or 5-6-15 oc purlins, except end verticals.

Rigid ceiling directly applied or 6-0-0 oc

bracing.

**REACTIONS** (lb/size) 17=912/0-3-8, 9=815/0-4-0

Max Horz 17=176(load case 6)

Max Uplift 17=-198(load case 6), 9=-178(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/41, 2-3=-605/398, 3-4=-1096/632, 4-5=-1172/699, 5-6=-1146/687,

6-7=-389/258, 7-8=-455/251, 2-17=-1002/644, 8-9=-813/431

BOT CHORD 16-17=-178/4, 15-16=-422/150, 3-15=-423/180, 14-15=-551/668, 13-14=-557/935,

11-13=0/178, 5-13=-315/217, 11-12=0/0, 10-11=-43/194, 9-10=-6/4

WEBS 3-14=-94/334, 4-14=-45/127, 4-13=-114/365, 10-13=-424/688, 6-13=-217/430,

6-10=-722/431, 7-10=-39/87, 2-16=-331/729, 8-10=-339/694

# **JOINT STRESS INDEX**

2 = 0.57, 3 = 0.85, 4 = 0.78, 5 = 0.62, 6 = 0.38, 7 = 0.32, 8 = 0.56, 9 = 0.33, 10 = 0.37, 11 = 0.73, 13 = 0.18, 14 = 0.34, 15 = 0.38, 16 = 0.71 and 17 = 0.66

#### **NOTES**

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

Continued on page 2

Julius Lee Terres Lieston Endenses Himbor Parks 2 - 1826 Himbor Hosen Enders Boynton Boson Enders



Job	Truss	Truss Type	Qty	Ply	WINSBERG
L261859	T06	SPECIAL	4		J1916104
1201009	100	SPECIAL	1	1	Job Reference (optional)

6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Dec 07 12:46:25 2007 Page 2

## **NOTES**

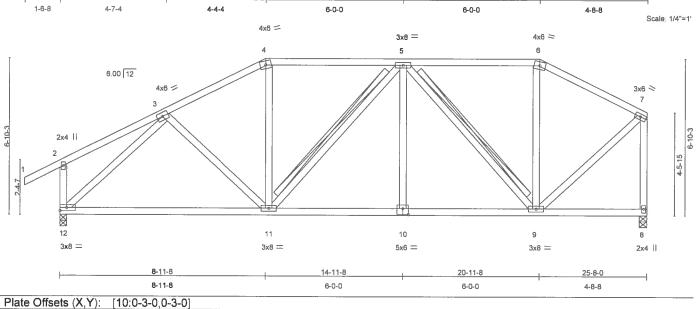
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 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 198 lb uplift at joint 17 and 178 lb uplift at joint 9.

LOAD CASE(S) Standard

distinctes Levies
Textosis Microsoftes — Emergenyesspr Petropologi Petro Petro 57-1880266 EBC50 Clementalis Petrop dellaced Lectoriologia dellaced



b	Truss	Truss Type		Qty	Ply	WINSBERG			
261859	T07	HIP		1	1				J1916105
				'		Job Reference	(optional)		
uilders FirstSou	rce, Lake City, Fl	32055	6.300 s Fel	15 2006	MiTek I	ndustries, Inc.	Fri Dec 07	12:46:26 2007	Page 1
-1-6-8	4-7-4	8-11-8	14-11-8			20-11-8		25-8-0	_
1-6-8	4-7-4	4-4-4	6-0-0	'		6-0-0	'	4-8-8	Scale 1/4"=1



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 Pl2002	CSI TC BC WB (Mat	0.66 0.40 0.58 rix)	DEFL Vert(LL) Vert(TL) Horz(TL)	in -0.11 -0.21 0.03	–	I/defl >999 >999 n/a	L/d 360 240 n/a	PLATES MT20 Weight: 170 lb	<b>GRIP</b> 244/190
---	---	--	-------------------------------	------------------------------	--	------------------------------	---	-------------------------------	--------------------------	----------------------------------	---------------------

 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** 

BOT CHORD

bracing. T-Brace:

2 X 4 SYP No.3 -5-11, 5-9

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

Structural wood sheathing directly applied or

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

Rigid ceiling directly applied or 9-1-10 oc

Brace must cover 90% of web length.

**REACTIONS** (lb/size) 12=906/0-3-8, 8=809/0-4-0

Max Horz 12=187(load case 6)

Max Uplift 12=-215(load case 6), 8=-150(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension

2-12=-243/291, 7-8=-785/462

BOT CHORD 11-12=-477/669, 10-11=-428/788, 9-10=-428/788, 8-9=-14/17

WEBS 3-11=-37/170, 4-11=-21/179, 5-11=-166/80, 5-10=0/155, 5-9=-473/256, 6-9=-71/94,

3-12=-875/407, 7-9=-329/646

# **JOINT STRESS INDEX**

2 = 0.44, 3 = 0.28, 4 = 0.55, 5 = 0.56, 6 = 0.57, 7 = 0.62, 8 = 0.34, 9 = 0.62, 10 = 0.30, 11 = 0.56 and 12 = 0.56

Continued on page 2



Job	Truss	Truss Type	Qty	Ply	WINSBERG	
L261859	T07	HIP	1	1	J19161	05
		1			Job Reference (optional)	

6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Dec 07 12:46:26 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; end vertical 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 215 lb uplift at joint 12 and 150 lb uplift at joint 8.

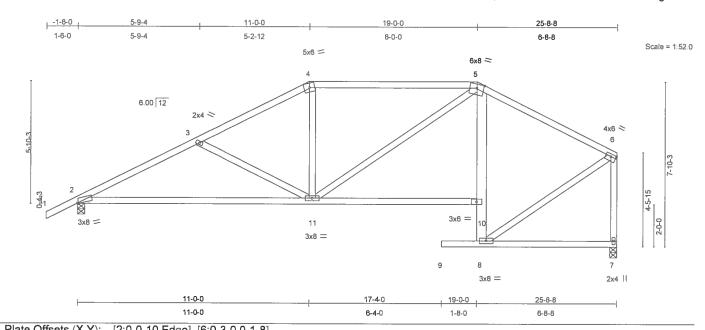
LOAD CASE(S) Standard

Jackina de Legendouer (日本Carpenger Pering (1998年) 日本のでは、アイル のでは1982年 Milanisales Prim Polis のでは1982年 1 年7年のアイルにのでは1982年 (1982年) 日本のアイルによるアイルによっては1982年 (1982年) 1882年 (1982年)



Job	Truss	Truss Type	Qty	Ply	WINSBERG	
L261859	T08	SPECIAL	1	1	J191610	6
					Job Reference (optional)	

6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Dec 07 12:46:27 2007 Page 1



Flate Olis	ets (A, I	). [2.0-0-10,⊑uge], [0	3.0-3-0,0-	1-0]								
LOADING	(psf)	SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.69	Vert(LL)	-0.28	2-11	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	ВС	0.70	Vert(TL)	-0.53	2-11	>580	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.29	Horz(TL)	0.24	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TF	212002	(Mat	rix)	,	•	,			Weight: 149 lb	

**LUMBER** 

TOP CHORD 2 X 4 SYP No.2

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

5-8 2 X 6 SYP No.1D

2 X 4 SYP No.3

**WEBS** 

**BRACING** 

TOP CHORD

**BOT CHORD** 

Structural wood sheathing directly applied or 5-0-3 oc purlins, except end verticals.

Rigid ceiling directly applied or 10-0-0 oc

bracing, Except:

7-5-0 oc bracing: 2-11.

**REACTIONS** (lb/size) 2=911/0-4-0, 7=823/0-4-0

Max Horz 2=147(load case 6)

Max Uplift 2=-236(load case 6), 7=-130(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/35, 2-3=-1448/780, 3-4=-1140/630, 4-5=-970/628, 5-6=-718/401,

6-7=-825/467

**BOT CHORD** 2-11=-719/1229, 10-11=-357/775, 8-10=-278/182, 5-10=-273/215, 8-9=0/0,

7-8=-28/32

**WEBS** 3-11=-296/291, 4-11=-9/282, 5-11=-127/296, 6-8=-289/650

# **JOINT STRESS INDEX**

2 = 0.80, 3 = 0.33, 4 = 0.57, 5 = 0.57, 6 = 0.72, 7 = 0.33, 8 = 0.64, 10 = 0.46 and 11 = 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 3 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.

ರಿ ಗಿಗ್ಗಳುತ್ತ ನಿರ್ಧಾಜಕ್ಕು drainage to prevent water ponding.

December 7,2007

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 does. 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	WINSBERG
L261859	T08	SPECIAL	1	4	J1916106
L201033	100	SPECIAL	'	'	Job Reference (optional)

6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Dec 07 12:46:27 2007 Page 2

# **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 236 lb uplift at joint 2 and 130 lb uplift at joint 7.

LOAD CASE(S) Standard



Job ,	Truss	Truss Type	Qty	Ply	WINSBERG	
L261859	T09	SPECIAL	1	1		J1916107
1201033	103	GELOIAL	'	'	Job Reference (optional)	

6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Dec 07 12:46:28 2007 Page 1

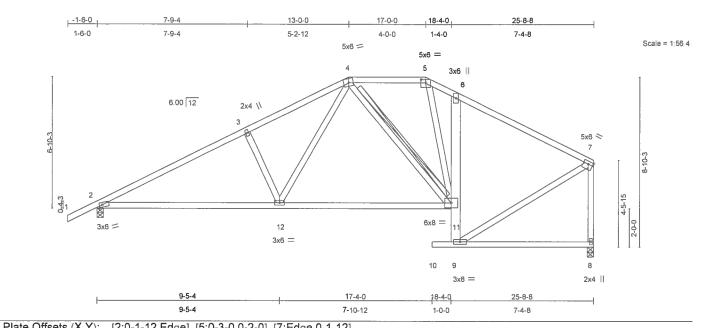


Plate Of	rsets (X, Y	): [2:0-1-12,Edge], [:	5:0-3-0,0-2	2-0], [7:£	-age,U-1	-12]						
LOADIN	IG (psf)	SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.79	Vert(LL)	0.23	` 1Ó	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.73	Vert(TL)	-0.37 1	11-12	>818	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.33	Horz(TL)	0.26	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TF	PI2002	(Mat	rix)	, ,					Weight: 158 lb	

 LUMBER
 BRACING

 TOP CHORD
 2 X 4 SYP No.2
 TOP CHORD
 Structural wood shear

 BOT CHORD
 2 X 4 SYP No.2 \*Except\*
 4-9-10 oc purlins, ex

 6-9 2 X 6 SYP No.1D
 BOT CHORD
 Rigid ceiling directly a bracing.

 WEBS
 T-Brace:

Structural wood sheathing directly applied or 4-9-10 oc purlins, except end verticals.
Rigid ceiling directly applied or 7-6-6 oc bracing.

T-Brace: 2 X 4 SYP No.3 - 4-11

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=909/0-4-0, 8=818/0-4-0

Max Horz 2=159(load case 6)

Max Uplift 2=-247(load case 6), 8=-147(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/35, 2-3=-1403/739, 3-4=-1234/776, 4-5=-662/500, 5-6=-909/647,

6-7=-738/426, 7-8=-814/480

BOT CHORD 2-12=-659/1168, 11-12=-375/794, 9-11=-251/172, 6-11=-430/360, 9-10=0/0,

8-9=-33/42

WEBS 3-12=-334/335, 4-12=-310/502, 4-11=-268/144, 5-11=-267/364, 7-9=-293/634

JOINT STRESS INDEX

2 = 0.82, 3 = 0.33, 4 = 0.29, 5 = 0.29, 6 = 0.41, 7 = 0.63, 8 = 0.48, 9 = 0.79, 11 = 0.40 and 12 = 0.46

2 = 0.02, 0 = 0.00, 4 = 0.23, 0 = 0.23, 0 = 0.41, 7 = 0.00, 0 = 0.40, 11 = 0.40 and 12 = 0.40

Continued on page 2

December 7,2007

Toggangapiyer 2 II Alkseyte 3 Mawy Pilland IIV. 3 R. (1919-1915



Job	Truss	Truss Type	Qty	Ply	WINSBERG
L261859	T09	SPECIAL	1	1	J1916107
		0.201/12	<u> </u>	. '	Job Reference (optional)

6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Dec 07 12:46:28 2007 Page 2

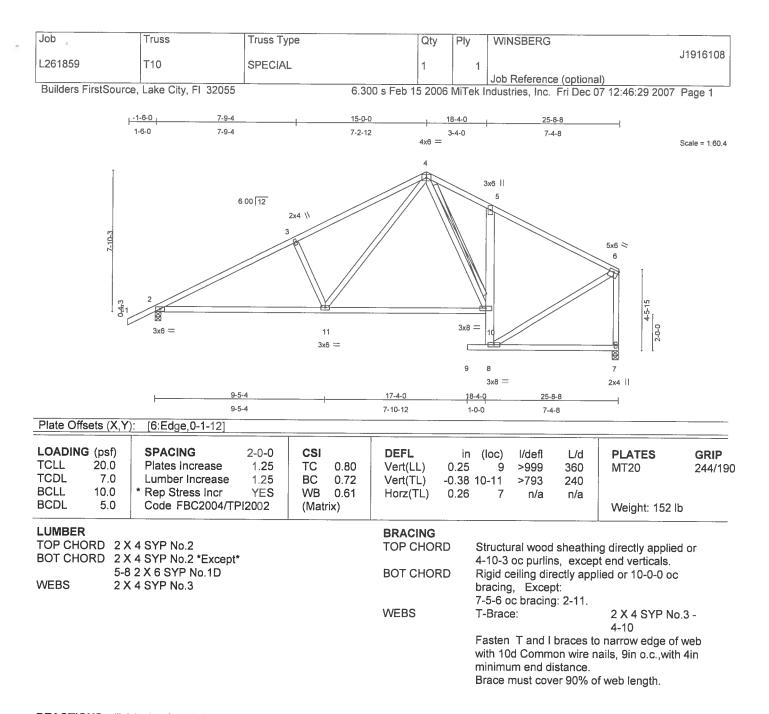
### **NOTES**

- 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 247 lb uplift at joint 2 and 147 lb uplift at joint 8.

LOAD CASE(S) Standard

Julius Less Trugs Lesson Enderson Flankin Mil No. 34 Molis Tractions of Pay Hilvi USVII ON USSIT, L. 1945





**REACTIONS** (lb/size) 2=909/0-4-0, 7=818/0-4-0

Max Horz 2=171(load case 6)

Max Uplift 2=-254(load case 6), 7=-158(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/35, 2-3=-1415/764, 3-4=-1248/811, 4-5=-860/630, 5-6=-738/435.

6-7=-815/489

BOT CHORD 2-11=-685/1182, 10-11=-301/675, 8-10=-250/174, 5-10=-373/301, 8-9=0/0,

7-8=-34/43

WEBS 3-11=-381/379, 4-11=-387/597, 4-10=-97/264, 6-8=-300/631

### **JOINT STRESS INDEX**

2 = 0.70, 3 = 0.33, 4 = 0.68, 5 = 0.32, 6 = 0.65, 7 = 0.48, 8 = 0.80, 10 = 0.69 and 11 = 0.46 Continued on page 2

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December 7,2007

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 HIL9-1 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	WINSBERG	
L261859	T10	SPECIAL	1	1	J1916	108
				1	Job Reference (optional)	

6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Dec 07 12:46:29 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) \*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 254 lb uplift at joint 2 and 158 lb uplift at joint 7.

LOAD CASE(S) Standard

Justinares Lagran Frequests to segmentaria (Electronia men-Palare March Philip P-Jaca 129-1880216) 1-8-0564 (Charles websel (Philipp) (Philipp)

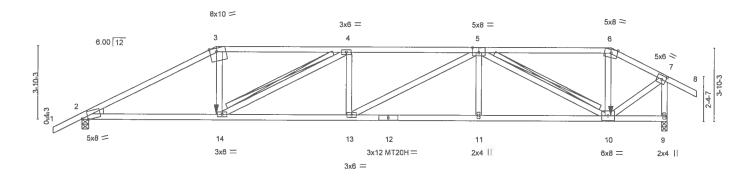


Job	Truss	Truss Type	Qty	Ply	WINSBERG
L261859	T11	HIP	1	1	J1916109
2201000					Job Reference (optional)

7-0-0

6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Dec 07 12:46:30 2007 Page 1





		7-0-0	6-1	1-4		6-9-8		6-11	1-4	2-11-8	
Plate Of	fsets (X,Y	): [2:0-3-12,Edge], [3	3:0-4-3,Ed	ge], [5:0	-4-0,0-3	-0], [7:0-2-11,	0-2-8]				
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	0.93	Vert(LL)	-0.32 11-13	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.99	Vert(TL)	-0.64 11-13	>573	240	MT20H	187/143
BCLL	10.0	* Rep Stress Incr	NO	WB	0.96	Horz(TL)	0.19 9	n/a	n/a		

	_ 1				
LUMBER	BRACING				
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing direct				
BOT CHORD 2 X 4 SYP No.2		except end verticals.	3		
WEBS 2 X 4 SYP No.3	BOT CHORD	Rigid ceiling directly applied or 4-11-5 oc			
WEDGE		bracing.			
Left: 2 X 4 SYP No.3	WEBS	T-Brace:	2 X 4 SYP No.3 -		

4-14, 5-10 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.

30-7-8

Weight: 159 lb

**REACTIONS** (lb/size) 2=2072/0-4-0, 9=2396/0-3-8

Max Horz 2=85(load case 4)

Code FBC2004/TPI2002

Max Uplift 2=-638(load case 5), 9=-753(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/35, 2-3=-3993/1306, 3-4=-3533/1210, 4-5=-4802/1653, 5-6=-1834/653,

13-11-4

(Matrix)

6-7=-2015/685, 7-8=0/41, 7-9=-2286/715

2-14=-1187/3483, 13-14=-1643/4802, 12-13=-1442/4234, 11-12=-1442/4234, **BOT CHORD** 

10-11=-1442/4234, 9-10=-23/47

**WEBS** 3-14=-348/1227, 4-14=-1540/564, 4-13=-151/195, 5-13=-227/648, 5-11=0/288,

5-10=-2719/942, 6-10=-32/351, 7-10=-756/2272

### **JOINT STRESS INDEX**

**BCDL** 

5.0

NT STRESS INDEX
2 = 0.84, 3 = 0.93, 4 = 0.43, 5 = 0.76, 6 = 0.91, 7 = 0.73, 9 = 0.81, 10 = 0.90, 11 = 0.33, 12 = 0.91, 13 = 0.36 and 14 = 0.78
December 7,2007 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 occe. 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



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Job	Truss	Truss Type	Qty	Ply	WINSBERG	
L261859	T11	HIP	1	1	J191	16109
		1			Job Reference (optional)	

6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Dec 07 12:46:30 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; end vertical right exposed; Lumber DOL=1.60 plate grip DOL=1.60.
- 3) Provide adequate drainage to prevent water ponding.
- 4) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) 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 638 lb uplift at joint 2 and 753 lb uplift at joint 9.
- 8) Girder carries tie-in span(s): 7-0-0 from 27-8-0 to 30-7-8
- 9) Girder carries hip end with 2-11-8 right side setback, 7-0-0 left side setback, and 7-0-0 end setback.
- 10) 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, 3-6=-117(F=-63), 6-7=-54, 7-8=-54, 2-14=-10, 10-14=-22(F=-12), 9-10=-85(F=-75)

Concentrated Loads (lb)

Vert: 14=-411(F) 10=-174(F)

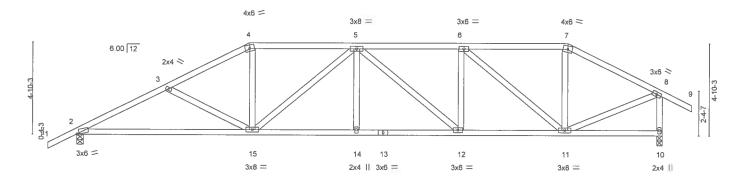
Julius Less Truss Engagn Engargeer Flickle PTE P-10 STROEF I 100 Communic Swy Slori Uoyaton Losson, the basin



Job	Truss	Truss Type	Qty	Ply	WINSBERG	
L261859	T12	HIP	1	1	J191611	0
	112		] '	'	Job Reference (optional)	

6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Dec 07 12:46:31 2007 Page 1





	9-0-0	14-7-4	20-0-12	25-8-0	30-7-8
,	9-0-0	5-7-4	5-5-8	5-7-4	4-11-8
- Off4- /V V/	10.0 4 0 0 0 71				

Plate Of	fsets (X,Y	<u>(): [2:0-1-8,0-0-7]</u>										
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	0.27	Vert(LL)	-0.15	2-15	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	ВС	0.51	Vert(TL)	-0.29	2-15	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.69	Horz(TL)	0.07	10	n/a	n/a		
BCDL	5.0	Code FBC2004/TF	P12002	(Mat	rix)	, , ,					Weight: 172 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

**BOT CHORD** 

Structural wood sheathing directly applied or 4-7-3 oc purlins, except end verticals.

Rigid ceiling directly applied or 7-4-5 oc

bracing.

REACTIONS (lb/size) 2=1060/0-4-0, 10=1061/0-3-8

Max Horz 2=98(load case 5)

Max Uplift 2=-248(load case 6), 10=-209(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/35, 2-3=-1795/964, 3-4=-1560/855, 4-5=-1365/822, 5-6=-1472/884,

6-7=-894/590, 7-8=-1050/601, 8-9=0/41, 8-10=-1034/652

BOT CHORD 2-15=-738/1540, 14-15=-693/1624, 13-14=-693/1624, 12-13=-693/1624,

11-12=-612/1472, 10-11=0/48

WEBS 3-15=-213/217, 4-15=-167/411, 5-15=-426/186, 5-14=0/133, 5-12=-214/105,

6-12=-32/254, 6-11=-787/383, 7-11=-57/237, 8-11=-397/941

### JOINT STRESS INDEX

2 = 0.86, 3 = 0.33, 4 = 0.56, 5 = 0.56, 6 = 0.34, 7 = 0.52, 8 = 0.52, 10 = 0.51, 11 = 0.85, 12 = 0.34, 13 = 0.55, 14 = 0.33 and 15 = 0.56

### **NOTES**

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

Tinaspe disperación (Enciamatica)
finaspe disperación (Enciamatica)
filascistada PME Disc. CR-ERECRES
L NOSCA Elevantas (Filascis)
AUCOMOTICO (ELevantas (ENCIACE))
AUCOMOTICO (ELevantas (ENCIACE))

Continued on page 2



Job	Truss	Truss Type	Qty	Ply	WINSBERG
L261859	T12	HIP	1	1	J1916110
2201000	112		'		Job Reference (optional)

6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Dec 07 12:46:31 2007 Page 2

### **NOTES**

- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; end vertical 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) 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 248 lb uplift at joint 2 and 209 lb uplift at joint 10.

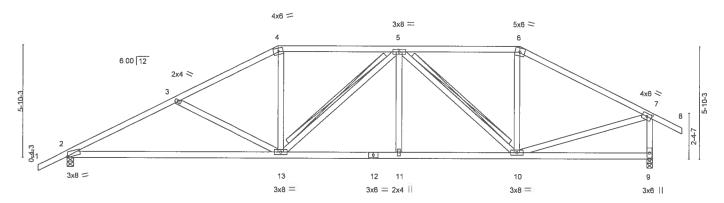
LOAD CASE(S) Standard

District Lene Teles Clesson Congresses Tipode Pile No. 3-18665 1 100 Censula Rey Pivol 1 200 Censula Rey Pivol



Job	Truss	Truss Type	Qty	Ply	WINSBERG
		 			J191611
L261859	T13	HIP	1	1	
			2		Job Reference (optional)
Builders FirstSc	ource, Lake City, Fl 3	32055	.300 s Feb 15 2006	MiTek I	Industries, Inc. Fri Dec 07 12:46:31 2007 Page 1





1	11-0-0	17-4-0	23-8-0	30-7-8
<u>'</u>	11-0-0	6-4-0	6-4-0	6-11-8

Plate Offsets (X,Y): [2:0-0-10,Edge], [7:0-2-15,0-2-0]												
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	0.46	Vert(LL)	-0.30	2-13	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.65	Vert(TL)	-0.57	2-13	>643	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.33	Horz(TL)	0.06	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TF	PI2002	(Mat	rix)						Weight: 169 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 BOT CHORD

**WEBS** 

Structural wood sheathing directly applied or 4-6-5 oc purlins, except end verticals.
Rigid ceiling directly applied or 7-4-1 oc bracing.
T-Brace: 2 X 4 SYP No.3 -

5-13, 5-10

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=1060/0-4-0, 9=1061/0-3-8

Max Horz 2=111(load case 5)

Max Uplift 2=-262(load case 6), 9=-226(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension

1-2=0/35, 2-3=-1766/972, 3-4=-1453/819, 4-5=-1250/797, 5-6=-960/658,

6-7=-1153/654, 7-8=0/41, 7-9=-1023/663

2-13=-735/1512, 12-13=-518/1319, 11-12=-518/1319, 10-11=-518/1319, 9-10=0/82

WEBS 3-13=-308/296, 4-13=-116/370, 5-13=-221/115, 5-11=0/137, 5-10=-550/245,

6-10=-13/243, 7-10=-355/916

### JOINT STRESS INDEX

2 = 0.89, 3 = 0.33, 4 = 0.72, 5 = 0.56, 6 = 0.59, 7 = 0.70, 9 = 0.31, 10 = 0.81, 11 = 0.33, 12 = 0.43 and 13 = 0.56

Continued on page 2

TOP CHORD

**BOT CHORD** 



Job	Truss	Truss Type	Qty	Ply	WINSBERG
L261859	T13	HIP	1	1	J191611
					Job Reference (optional)

6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Dec 07 12:46:32 2007 Page 2

### **NOTES**

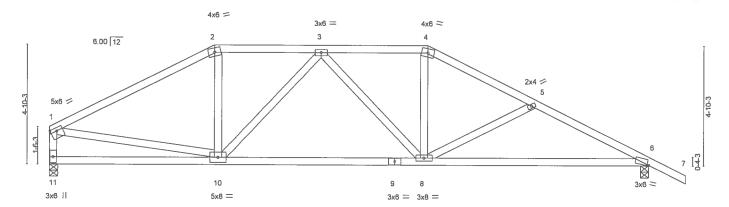
- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; end vertical right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 3) 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 262 lb uplift at joint 2 and 226 lb uplift at joint 9.

LOAD CASE(S) Standard

Listson Leves Transportionescan Concarnence Historian Min Filo Di-Erchin I ROSS Communical Many Milwol LOCVIII CA LESSEN



Job	Truss	Truss Type	Qt	y F	Ply	WINSBERG		
L261859	T14	HIP	1		1			J1916112
						Job Reference (		
Builders FirstS	Source, Lake City, Fl 3	6.300 s Feb 15 2	006 M	liTek İ	ndustries, Inc. Fr	Dec 07 12:46:3	2 2007 Page 1	
<u> </u>	6-8-0	11-0-0	15-4-0		4	19-6-12	24-4-0	25-10-0
•	6-8-0	4-4-0	4-4-0	'		4-2-12	4-9-4	1-6-0 Scale = 1.44.2



6-8-0	15-4-0	24-4-0
6-8-0	8-8-0	9-0-0
Plata Officia (V V): [1:0.2.0.0.1.9] [6:0.0.13	Educi	

Plate Offsets (X,Y): [1:0-3-0,0-1-8], [6:0-0-13,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	0.64	Vert(LL)	-0.12	6-8	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	ВС	0.42	Vert(TL)	-0.23	6-8	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.21	Horz(TL)	0.03	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TF	PI2002	(Mat	rix)	, ,					Weight: 127 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

**BOT CHORD** 

Structural wood sheathing directly applied or 5-3-4 oc purlins, except end verticals. Rigid ceiling directly applied or 8-8-2 oc bracing.

**REACTIONS** (lb/size) 11=766/0-4-0, 6=862/0-4-0

Max Horz 11=-116(load case 7)

Max Uplift 11=-133(load case 6), 6=-223(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-1024/551, 2-3=-847/563, 3-4=-972/615, 4-5=-1131/629, 5-6=-1380/747,

6-7=0/35, 1-11=-729/431

BOT CHORD 10-11=-80/190, 9-10=-356/1002, 8-9=-356/1002, 6-8=-529/1174

WEBS 2-10=-13/217, 3-10=-313/123, 3-8=-144/91, 4-8=-83/291, 5-8=-242/231,

1-10=-250/665

### JOINT STRESS INDEX

1 = 0.75, 2 = 0.75, 3 = 0.37, 4 = 0.47, 5 = 0.33, 6 = 0.87, 8 = 0.56, 9 = 0.37, 10 = 0.30 and 11 = 0.29

### **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 Structure Logical Control Contr

3) Provide adequate drainage to prevent water ponding.

Continued on page 2



Job	Truss	Truss Type	Qty	Ply	WINSBERG
L261859	T14	HIP	1	1	J1916112
2201000		• • • • • • • • • • • • • • • • • • • •	<u>'</u>	'	Job Reference (optional)

6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Dec 07 12:46:32 2007 Page 2

### **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 133 lb uplift at joint 11 and 223 lb uplift at joint 6.

LOAD CASE(S) Standard

NIBA Lamper 開設 自les marciats (上下のciaryagers) Fracial PSIM Polica Ciarles (1886年18) からは Charles Marcial (1886年18) MATEONT TERRORICETS (1887年18)



Job ,	Truss	Truss Type	Qty	Ply	WINSBERG	
L261859	T15	HIP	1	1	J19161	13
			'	•	Job Reference (optional)	

6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Dec 07 12:46:33 2007 Page 1

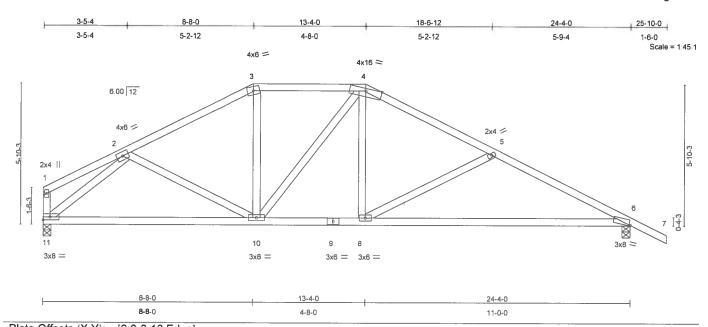


Plate Offsets (X,Y): [6:0-0-10,Edge]												
LOADIN	NG (psf)	SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.68	Vert(LL)	-0.30	`6-8	>953	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	ВС	0.57	Vert(TL)	-0.55	6-8	>520	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.31	Horz(TL)	0.04	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Mat	rix)						Weight: 130 lb	

L	U	M	В	E	R

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 5-2-15 oc purlins, except end verticals. Rigid ceiling directly applied or 8-7-12 oc bracing.

REACTIONS (lb/size) 11=766/0-4-0, 6=862/0-4-0

Max Horz 11=-127(load case 7)

Max Uplift 11=-147(load case 6), 6=-235(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-226/23, 2-3=-939/563, 3-4=-787/564, 4-5=-1015/592, 5-6=-1331/756, 6-7=0/35

1-11=-126/51

**BOT CHORD** 10-11=-307/754, 9-10=-249/852, 8-9=-249/852, 6-8=-527/1141

WEBS

2-10=-22/137, 3-10=-42/192, 4-10=-200/52, 4-8=-92/331, 5-8=-333/315,

2-11=-894/598

### **JOINT STRESS INDEX**

1 = 0.48, 2 = 0.32, 3 = 0.54, 4 = 0.72, 5 = 0.33, 6 = 0.87, 8 = 0.34, 9 = 0.54, 10 = 0.56 and 11 = 0.64

### **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.

Continued on page 2



Job	Truss	Truss Type	Qty	Ply	WINSBERG	
L261859	T15	HIP	1	1	J191611	3
			'	'	Job Reference (optional)	

6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Dec 07 12:46:33 2007 Page 2

### **NOTES**

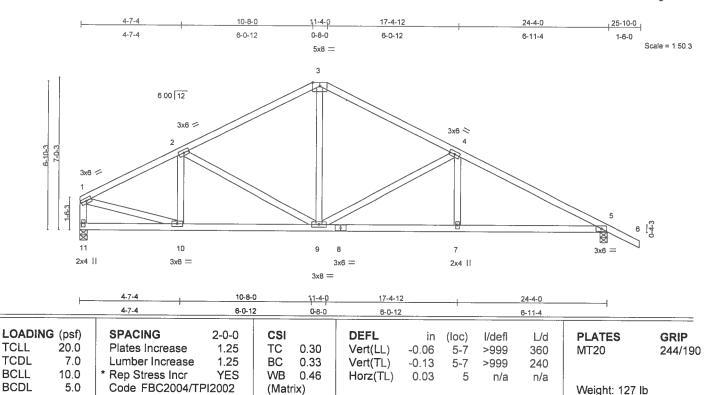
- 4) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 147 lb uplift at joint 11 and 235 lb uplift at joint 6.

LOAD CASE(S) Standard



Job	Truss	Truss Type	Qty	Ply	WINSBERG
L261859	T16	HIP	1	1	J1916114
	Lake City El 22055		<u> </u>		Job Reference (optional)

6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Dec 07 12:46:34 2007 Page 1



**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

**BOT CHORD** 

Structural wood sheathing directly applied or

5-1-5 oc purlins, except end verticals. Rigid ceiling directly applied or 8-11-0 oc

bracing.

**REACTIONS** (lb/size) 11=766/0-4-0, 5=862/0-4-0

Max Horz 11=-141(load case 7)

Max Uplift 11=-160(load case 6), 5=-245(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-981/564, 2-3=-868/560, 3-4=-872/563, 4-5=-1342/724, 5-6=0/35,

1-11=-739/440

**BOT CHORD** 10-11=-50/123, 9-10=-326/836, 8-9=-485/1121, 7-8=-485/1121, 5-7=-485/1121

**WEBS** 2-10=-171/155, 2-9=-218/172, 4-9=-492/353, 4-7=0/212, 1-10=-410/791,

3-9=-214/399

### **JOINT STRESS INDEX**

1 = 0.68, 2 = 0.39, 3 = 0.63, 4 = 0.39, 5 = 0.66, 7 = 0.33, 8 = 0.37, 9 = 0.56, 10 = 0.43 and 11 = 0.42

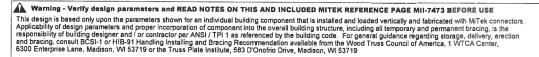
### **NOTES**

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





Job	Truss	Truss Type	Qty	Ply	WINSBERG
L261859	T16	HIP	1	1	J1916114
					Job Reference (optional)

6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Dec 07 12:46:34 2007 Page 2

### **NOTES**

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 160 lb uplift at joint 11 and 245 lb uplift at joint 5.

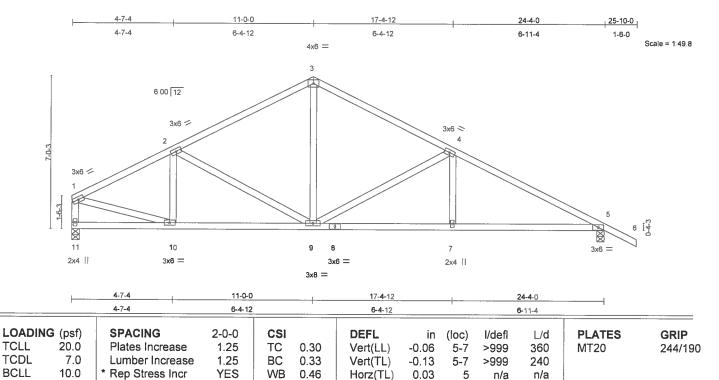
LOAD CASE(S) Standard

History Lores Trugge Cleanages Epoglamages Historia Pim Filos SI-1880H 1866 Cleanawated Pleas Pilord 1806 Pilord



Job	Truss	Truss Type	Qty	Ply	WINSBERG	
L261859	T17	COMMON	1	1	J191611	5
				'	Job Reference (optional)	

6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Dec 07 12:46:35 2007 Page 1



LUMBER

**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

BOT CHORD

Structural wood sheathing directly applied or 5-1-5 oc purlins, except end verticals.

Weight: 127 lb

Rigid ceiling directly applied or 8-11-0 oc

bracing.

**REACTIONS** (lb/size) 11=766/0-4-0, 5=862/0-4-0

Max Horz 11=-141(load case 7)

Code FBC2004/TPI2002

Max Uplift 11=-160(load case 6), 5=-245(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-981/564, 2-3=-868/560, 3-4=-872/563, 4-5=-1342/724, 5-6=0/35,

1-11=-739/440

BOT CHORD 10-11=-50/123, 9-10=-326/836, 8-9=-485/1121, 7-8=-485/1121, 5-7=-485/1121

WEBS 2-10=-171/155, 2-9=-218/172, 3-9=-214/399, 4-9=-492/353, 4-7=0/212,

1-10=-410/791

### **JOINT STRESS INDEX**

1 = 0.68, 2 = 0.39, 3 = 0.76, 4 = 0.39, 5 = 0.66, 7 = 0.33, 8 = 0.37, 9 = 0.56, 10 = 0.43 and 11 = 0.42

(Matrix)

### **NOTES**

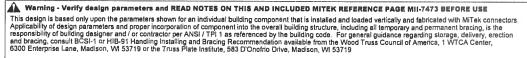
1) Unbalanced roof live loads have been considered for this design.

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  $565.00~\mathrm{psi}$  Continued on page 2

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Job	Truss	Truss Type	Qty	Ply	WINSBERG	
L261859	T17	COMMON	1	1	J19 <sup>-</sup>	16115
					Job Reference (optional)	

6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Dec 07 12:46:35 2007 Page 2

### **NOTES**

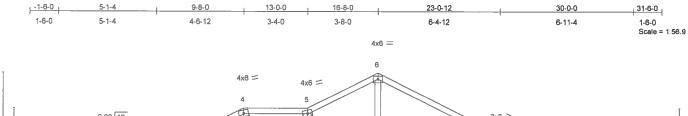
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 160 lb uplift at joint 11 and 245 lb uplift at joint 5.

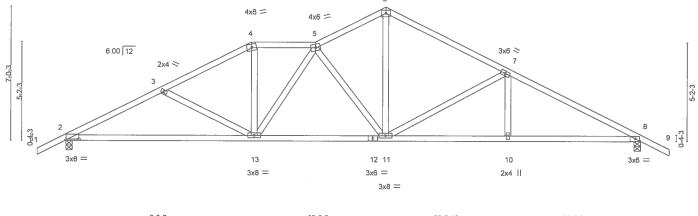
LOAD CASE(S) Standard



Job	Truss	Truss Type	Qty	Piy	WINSBERG
L261859	T18	SPECIAL	1		J1916116
L201039	110	SFECIAL	'	1	Job Reference (optional)

6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Dec 07 12:46:36 2007 Page 1





9-8-0 16-8-0 23-0-12 30-0-0 9-8-0 7-0-0 6-4-12 6-11-4

Plate Of	tsets (X, Y	): [2:0-8-4,0-0-10], [8	3:0-2-12,0	-1-8]								
LOADIN	IG (psf)	SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.34	Vert(LL)	-0.19	2-13	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.55	Vert(TL)	-0.36	2-13	>980	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.45	Horz(TL)	0.07	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TF	P12002	(Mat	rix)	' '					Weight: 156 lb	

11	IM	R	FR

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 4-5-13 oc purlins.

Rigid ceiling directly applied or 7-4-14 oc

bracing.

REACTIONS (lb/size) 2=1039/0-4-0, 8=1039/0-4-0

Max Horz 2=-105(load case 7)

Max Uplift 2=-291(load case 6), 8=-272(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/35, 2-3=-1748/974, 3-4=-1476/844, 4-5=-1279/812, 5-6=-1192/780,

6-7=-1256/769, 7-8=-1729/932, 8-9=0/35

**BOT CHORD** 2-13=-726/1499, 12-13=-586/1399, 11-12=-586/1399, 10-11=-670/1465,

8-10=-670/1465

3-13=-271/254, 4-13=-183/397, 5-13=-219/147, 5-11=-580/384, 6-11=-445/748, **WEBS** 

7-11=-488/359, 7-10=0/217

### JOINT STRESS INDEX

2 = 0.77, 3 = 0.33, 4 = 0.49, 5 = 0.34, 6 = 0.60, 7 = 0.39, 8 = 0.73, 10 = 0.33, 11 = 0.56, 12 = 0.46 and 13 = 0.57

### **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.

8) निर्मानपादिक अपेक्स्यान्धरक् drainage to prevent water ponding.

#E PS CHAPTER NO. 27 THE STORE untita des Lucreer ent time de l'Eterograppiere faller hallem Perlim Palle 18 (1865), plus au marchi

December 7,2007

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 ode. 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	WINSBERG
L261859	T18	SPECIAL	1	1	J1916116
					Job Reference (optional)

6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Dec 07 12:46:36 2007 Page 2

### **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 291 lb uplift at joint 2 and 272 lb uplift at joint 8.

LOAD CASE(S) Standard



Job	Truss	Truss Type		Qty	Ply	WINSBERG		
L261859	T19	SPECIAL		1	1			J1916117
						Job Reference	e (optional)	
Builders FirstS	ource, Lake City, FI	32055	6.30	0 s Feb 15 20	06 MiTek	Industries, Inc.	Fri Dec 07 12:46:37	2007 Page 1
-1-6-0	6-1-4	11-8-0	15-0-0	16-8-0	23-0	0-12	30-0-0	, 31-6-0_
1-6-0	6-1-4	5-6-12	3-4-0	1-8-0	6-4	-12	6-11-4	1-6-0

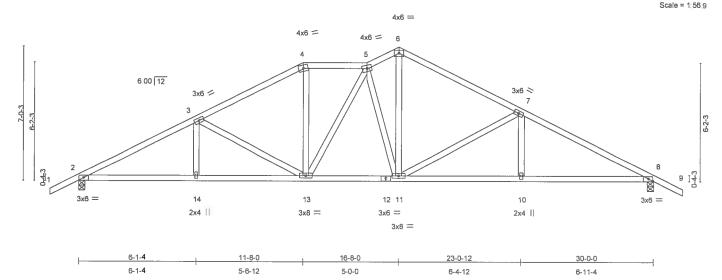


Plate Of	ffsets (X,Y	): [8:0-2-12,0-1-8]									
LOADIN	IG (psf)	SPACING	2-0-0	CSI		DEFL	in (lo	c) I/de	efl L/	d PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.33	Vert(LL)	0.11 11-	13 >99	9 36	0 MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.38	Vert(TL)	-0.18 10-1	11 >99	9 24	0	
BCLL	10.0	* Rep Stress Incr	YES	WB	0.45	Horz(TL)	0.07	8 n	/a n/	'a	
BCDL	5.0	Code FBC2004/TF	PI2002	(Mat	rix)					Weight: 164	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
BOT CHORD

4-5-13 oc purlins.

Rigid ceiling directly applied or 7-7-9 oc

Structural wood sheathing directly applied or

bracing.

**REACTIONS** (lb/size) 2=1039/0-4-0, 8=1039/0-4-0

Max Horz 2=-105(load case 7)

Max Uplift 2=-291(load case 6), 8=-272(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/35, 2-3=-1752/938, 3-4=-1348/805, 4-5=-1150/781, 5-6=-1141/768,

6-7=-1257/768, 7-8=-1728/929, 8-9=0/35

BOT CHORD 2-14=-686/1492, 13-14=-686/1492, 12-13=-434/1176, 11-12=-434/1176,

10-11=-668/1465, 8-10=-668/1465

WEBS 3-14=0/190, 3-13=-405/301, 4-13=-132/315, 5-13=-139/63, 5-11=-500/291,

6-11=-417/716, 7-11=-482/357, 7-10=0/218

### **JOINT STRESS INDEX**

2 = 0.75, 3 = 0.39, 4 = 0.60, 5 = 0.40, 6 = 0.63, 7 = 0.39, 8 = 0.73, 10 = 0.33, 11 = 0.66, 12 = 0.39, 13 = 0.59 and 14 = 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 \$\frac{1}{2}\$ 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.

ರಿ ಗಿಳುತ್ತ ಕೃಷಣ್ಣ drainage to prevent water ponding.

Judius Lass Trues Tesson Cincerson Florida Pin No. 3-1850b 1 100 Committed By Florid UCYTON USSIN, 4E 1545

December 7,2007

Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MIL-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	WINSBERG	
L261859	T19	SPECIAL	1	1		J1916117
					Job Reference (optional)	

6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Dec 07 12:46:37 2007 Page 2

### **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 291 lb uplift at joint 2 and 272 lb uplift at joint 8.

LOAD CASE(S) Standard



	Truss	Truss Type	3	Qt	y Ply	WII	NSBERG			
L261859	T20	HIP		1						J1916118
				[ '			Referenc	e (optiona	1)	
Builders FirstSo	urce, Lake City, Fl 3	2055	6.3	300 s Feb 15 20	006 MiTel	Indus	tries, Inc.	Fri Dec 0	7 12:46:37 200	7 Page 1
160	7-9-4									
1-6-0	7-9-4		-8-0	16-4-0	22-2-12			30-		31-6-0
1-0-0	7-9-4	5-1	0-12	2-8-0	5-10-12			7-9	)-4	1-6-0 Scale = 1,55.9
			4x16	= 4x8 =						
r			4	5						
				7 1						Ī
	6 00 12			//    `						
	3311	3x6 =		\\			3x6 ≈			
		3		\\			6			
				\\			<b>M</b>			7-2-3
				\\		//				14
			<u> </u>	\\						
	//				//					
F1 2										7 .0
81							В			8 14
		12	11	10			9		3xi	
3x6 =		2x4	3x6 =	= 5x8 =			2x4			
3x6 =			920	0.00 =						
3x8 ==			0,0	0.00						
3x6 =	7-9-4	13-	8-0	16-4-0	22-2-12		1	30-0	<b>)-0</b>	4
	7-9-4	13-	8-0 D-12	16-4-0 2-8-0	22-2-12 5-10-12			30-0 7-9		4
3x6 =	7-9-4	13-	8-0 D-12	16-4-0 2-8-0						Η
Plate Offsets (X	7-9-4 ,Y): [2:0-1-9,0-0-7	13- 5-10 7], [7:0-1-9,0-0-7]	8-0 0-12 , [10:0-2-4,0-3	16-4-0 2-8-0 3-0]	5-10-12	(1)	1	7-9	-4	1
late Offsets (X	7-9-4 ,,Y): [2:0-1-9,0-0-7 SPACING	13- 5-10 2-0-0	8-0 0-12 , [10:0-2-4,0-3	2-8-0 3-0]	5-10-12 in	(loc)	l/defl	7-9 L/d	PLATES	GRIP
CADING (psf)	7-9-4 ,Y): [2:0-1-9,0-0-7 SPACING Plates Increas	13- 5-10 7], [7:0-1-9,0-0-7] 2-0-0 Se 1.25	8-0 -0-12 , [10:0-2-4,0-3] CSI TC 0.45	16-4-0 2-8-0 3-0] DEFL Vert(LL)	5-10-12 in 0.11	7-9	>999	L/d 360	-4	GRIP 244/19
Plate Offsets (X	7-9-4 ,Y): [2:0-1-9,0-0-7 SPACING Plates Increas	2-0-0 se 1.25 ase 1.25	8-0 0-12 , [10:0-2-4,0-3	2-8-0 3-0]	5-10-12 in	(loc) 7-9 7-9		7-9 L/d	PLATES	

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 **BOT CHORD**  Structural wood sheathing directly applied or 4-4-4 oc purlins.

Rigid ceiling directly applied or 7-7-10 oc

bracing.

REACTIONS (lb/size) 2=1039/0-4-0, 7=1039/0-4-0

Max Horz 2=107(load case 6)

Max Uplift 2=-273(load case 6), 7=-273(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension

1-2=0/35, 2-3=-1697/913, 3-4=-1214/758, 4-5=-1018/737, 5-6=-1216/759, TOP CHORD

6-7=-1696/913, 7-8=0/35

**BOT CHORD** 2-12=-642/1429, 11-12=-642/1429, 10-11=-328/1017, 9-10=-641/1428,

7-9=-641/1428

3-12=0/236, 3-11=-503/379, 4-11=-179/301, 4-10=-146/153, 5-10=-179/302, **WEBS** 

6-10=-501/377, 6-9=0/235

### **JOINT STRESS INDEX**

2 = 0.84, 3 = 0.39, 4 = 0.54, 5 = 0.45, 6 = 0.39, 7 = 0.84, 9 = 0.33, 10 = 0.43, 11 = 0.34 and 12 = 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.

है। निर्मार्थक अपनुसुम्बर्क drainage to prevent water ponding.

talina en l'acciona que en a seguin de la companya Englander Ser U Challeren De Phones Anthony Dha R Libert

December 7,2007

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 show 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 docs. 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	WINSBERG	
L261859	T20	HIP	1	1		J1916118
					Job Reference (optional)	

6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Dec 07 12:46:38 2007 Page 2

### **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 273 lb uplift at joint 2 and 273 lb uplift at joint 7.

LOAD CASE(S) Standard

Justinues Learne Vennous Capedagan Concarmanes Etherholds Pibli P-Roy OF-1886116 E.R. COST (Charamanian) EMessy distant



Job	Truss	Truss Type		Qty	Ply	WINSBERG
L261859	T21	COMMON		3	1	J191611
Builders FirstSource	, Lake City, FI 32055		6.300 s	Feb 15 2006	MiTek I	Job Reference (optional) Industries, Inc. Fri Dec 07 12:46:38 2007 Page 1
-1-6-0	7-9-4		5-0-0	22-	2-12	30-0-0 31-6-0

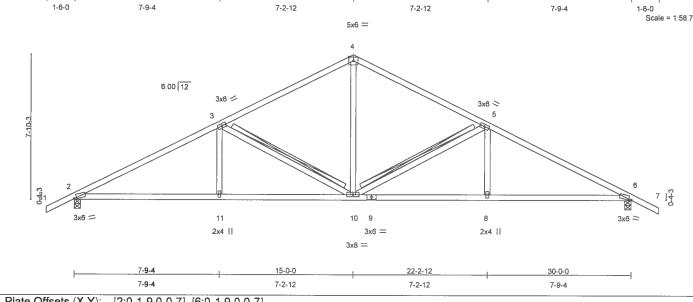


Plate Of	isels (A, I	). [2:0-1-9,0-0-7], [6:	0-1-9,0-0-	1	-							
LOADIN	IG (psf)	SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.39	Vert(LL)	0.11	2-11	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	ВС	0.42	Vert(TL)	-0.20	2-11	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.34	Horz(TL)	0.07	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TF	PI2002	(Mat	rix)						Weight: 145 lb	

LONDLIX	
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 4-4-7 oc purlins.

BOT CHORD

Rigid ceiling directly applied or 7-7-1 oc bracing.

WEBS

T-Brace:

2 X 4 SYP No.3 -

3-10, 5-10

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=1039/0-4-0, 6=1039/0-4-0

Max Horz 2=115(load case 6)

Max Uplift 2=-280(load case 6), 6=-280(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/35, 2-3=-1700/926, 3-4=-1160/734, 4-5=-1160/734, 5-6=-1700/926, 6-7=0/35 BOT CHORD 2-11=-655/1433, 10-11=-655/1433, 9-10=-655/1433, 8-9=-655/1433, 6-8=-655/1433

WEBS 3-11=0/243, 3-10=-565/411, 4-10=-345/579, 5-10=-565/411, 5-8=0/243

### **JOINT STRESS INDEX**

2 = 0.81, 3 = 0.39, 4 = 0.63, 5 = 0.39, 6 = 0.81, 8 = 0.33, 9 = 0.46, 10 = 0.56 and 11 = 0.33

-Albinion Larens
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firstense firstense Girnagergebeng
firstense first film of Fisch Chinaser
in Cool Companies and Finance Fisch
firstense firstense firstense

### NOTES

LUMBER

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

Continued on page 2



Job	Truss	Truss Type	Qty	Ply	WINSBERG	
L261859	T21	COMMON	3	1		J1916119
					Job Reference (optional)	

6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Dec 07 12:46:38 2007 Page 2

### **NOTES**

- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 3) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 280 lb uplift at joint 2 and 280 lb uplift at joint 6.

LOAD CASE(S) Standard

Lichara Laras Trumes Desaragas Cincarnases Villariado Pillo III al Cincarnases El 1765 Consessado Meso (1115-116)



	Truss	Truss Typ	pe	Qty	Ply	WINSBERG			J1916120
L261859	T22	GABLE		1	1				31910120
Duildes FirstCours	- L-I Oit- El 2005	<u> </u>	2.000	- L 15 000		Job Reference	e (optional	)	
bullders FirstSourc	e, Lake City, FI 32055	)	6.300	s Feb 15 200	6 Milek	industries, Inc.	Fri Dec 0	7 12:46:39 2007	Page 1
-1-6-0		4-9-8		-		9-7-0		11	-1-0
1-6-0		4-9-8				4-9-8		1-	-6-0 Scale = 1:21.0
				4x6 =					332.5
				4x0 — 4					
т									
		6.00 12	2x4		2x4				
	3)	6 =				3x6 <	:		
	3x6 = 3				M	5	3x6 <>		
2550		3//					_		
	/ 15/			I	1 1		` `		
							En !		
ल 3								6	1-
p443								6	[2
1	5x8 =		2x4    8	3	2x4			6	7
1			E .	3 2x4	2x4			5x8 =	
1			E .		2x4				
1		4-9-8	E .		2x4	9-7-0			
1	5x8 =	4-9-8 4-9-8	E .		2x4	9-7-0 4-9-8			
Plate Offsets (X,Y)	5x8 =	4-9-8			2x4				
Plate Offsets (X,Y)	5x8 = ): [2:0-4-0,0-3-1], [6	4-9-8 :0-4-0,0-3-1	[]	2x4		4-9-8		5x8 =	7
Plate Offsets (X,Y)  LOADING (psf) TCLL 20.0	5x8 =  1: [2:0-4-0,0-3-1], [6  SPACING Plates Increase	4-9-8 ::0-4-0,0-3-1 2-0-0 1.25	CSI TC 0.33	DEFL Vert(LL)		4-9-8 (loc) l/defl 6-8 >999	L/d 360		
Plate Offsets (X,Y) LOADING (psf)	5x8 = ): [2:0-4-0,0-3-1], [6 SPACING	4-9-8 :0-4-0,0-3-1 2-0-0	CSI	DEFL Vert(LL) Vert(TL)	in	4-9-8 (loc) I/defl	L/d	PLATES	GRIP

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

**BRACING** TOP CHORD

Structural wood sheathing directly applied or

6-0-0 oc purlins.

**BOT CHORD** Rigid ceiling directly applied or 8-1-1 oc

bracing.

**REACTIONS** (lb/size) 2=449/0-3-8, 6=449/0-3-8

Max Horz 2=-57(load case 7)

Max Uplift 2=-399(load case 6), 6=-399(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-5/42, 2-3=-505/770, 3-4=-460/765, 4-5=-460/765, 5-6=-505/770, 6-7=-5/42

**BOT CHORD** 2-8=-588/413, 6-8=-588/413

**WEBS** 4-8=-287/153

### JOINT STRESS INDEX

2 = 0.81, 3 = 0.00, 3 = 0.31, 3 = 0.32, 4 = 0.77, 5 = 0.00, 5 = 0.32, 5 = 0.31, 6 = 0.81, 8 = 0.11, 9 = 0.00, 10 = 0.00, 11 = 0.00and 12 = 0.00

### **NOTES**

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

Continued on page 2

December 7,2007

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 cost. 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	WINSBERG	
L261859	T22	GABLE	1	1	J19161	120
	1 1 0" 5 0005		<u> </u>	'	Job Reference (optional)	

6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Dec 07 12:46:39 2007 Page 2

### **NOTES**

- 3) 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 1-4-0 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 399 lb uplift at joint 2 and 399 lb
- 8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
- 9) Gable truss supports 12" max. rake gable overhang.

### LOAD CASE(S) Standard

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

Vert: 2-6=-10, 1-4=-64(F=-10), 4-7=-64(F=-10)



Job	Truss	Truss Typ	pe	Qty	Ply	WIN	ISBERG			
L261859	T23	соммо	N	2	1					J1916121
						Job	Referenc	e (optiona	al)	
Builders FirstSo	urce, Lake City, FI 320	55	6.300 s	s Feb 15 200	6 MiTek	Indust	ries, Inc.	Fri Dec 0	7 12:46:40 200	7 Page 1
-	4-10-8				9-	8-0			11-2-	) ,
,	4-10-8		1		4-	9-8			1-6-0	
			4x6 =							Scale = 1:19.1
Ī			2							
	6 00 12									
	000 12									
		///								
5										
2+8-15										
2:8-15										
1									3	
1									3	[8-4-3]
			•						3	\\\ 4
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			5 2x4						3	
1									3 3x6 =	
3×6 =	4.10-8				9-1	3-0				
3x6 =	4-10-8 4-9-8				9-1					
3x8 =	4-9-8	2-0-0	2x4	DEFL	4-9	9-8	l/defl		3x6 =	4
3x6 = 0-1-0 COADING (psf) TCLL 20.0	SPACING Plates Increase	1.25	2x4    CSI	DEFL Vert(LL)	4-9		l/defil >999	L/d 360		4 GRIP
3x6 =  0110 0-1-0  LOADING (psf) TCLL 20.0 TCDL 7.0	SPACING Plates Increase Lumber Increase	1.25 e 1.25	CSI TC 0.26 BC 0.44	Vert(LL) Vert(TL)	in 0.05 -0.03	(loc) 1-5 1-5	>999 >999	L/d 360 240	3x6 = PLATES	4
3x6 =  0-1-0  LOADING (psf) TCLL 20.0	SPACING Plates Increase Lumber Increase * Rep Stress Incr	1.25 e 1.25 YES	CSI TC 0.26 BC 0.44	Vert(LL) Vert(TL)	in 0.05	(loc) 1-5	>999	L/d 360	3x6 = PLATES	GRIP 244/190

**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 9-5-0 oc bracing.

**REACTIONS** (lb/size) 1=289/0-4-0, 3=395/0-4-0

Max Horz 1=-65(load case 7)

Max Uplift 1=-180(load case 6), 3=-259(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-420/632, 2-3=-424/639, 3-4=0/35

**BOT CHORD** 1-5=-434/326, 3-5=-434/326

**WEBS** 2-5=-304/160

### **JOINT STRESS INDEX**

1 = 0.40, 2 = 0.62, 3 = 0.36 and 5 = 0.11

### **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 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
- 4) 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	WINSBERG
L261859	T23	COMMON	2	1	J1916121
5 71 5 10				'	Job Reference (optional)

6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Dec 07 12:46:40 2007 Page 2

### **NOTES**

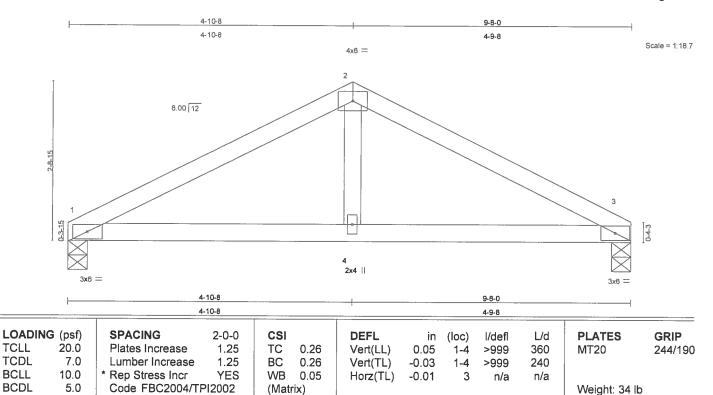
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 180 lb uplift at joint 1 and 259 lb uplift at joint 3.

LOAD CASE(S) Standard



Job	Truss	Truss Type	Qty	Ply	WINSBERG
L261859	T24	COMMON	1	1	J1916122
					Job Reference (optional)

6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Dec 07 12:46:40 2007 Page 1



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 8-4-1 oc bracing.

**REACTIONS** (lb/size) 3=297/0-4-0, 1=297/0-4-0

Max Horz 1=31(load case 5)

Max Uplift 3=-181(load case 7), 1=-181(load case 6)

FORCES (Ib) - Maximum Compression/Maximum Tension

TOP CHORD

1-2=-445/672, 2-3=-445/673 1-4=-528/349, 3-4=-528/349

**BOT CHORD WEBS** 

2-4=-324/163

### **JOINT STRESS INDEX**

1 = 0.40, 2 = 0.67, 3 = 0.40 and 4 = 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; 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

Continued on page 2



Job	Truss	Truss Type	Qty	Ply	WINSBERG	
L261859	T24	COMMON	1	1		J1916122
				'	Job Reference (optional)	

6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Dec 07 12:46:41 2007 Page 2

### **NOTES**

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 181 lb uplift at joint 3 and 181 lb uplift at joint 1.

LOAD CASE(S) Standard



Job	Truss	Truss Type		Qty	Ply	WINSBERG			14.04.04.00
L261859	T25	GABLE		1	1	Job Reference (	(antional)		J1916123
Builders FirstSo	ource, Lake City, FI	32055	6.300 s Feb 15	2006	MiTek I	ndustries, Inc. F	ri Dec 07 12:	46:41 2007	Page 1
-1-6		3-4-0				6-8-0		8-2-0	
1-6-	i-0	3-4-0				3-4-0		1-6-0	Scale: 3/4"=
			<sub>4</sub> 4x6 =						
		6 00 12 3x6				3x6 ≥			
		6 00 12 3				3x6 >> 5			
	_								
E	2						6		
D4:3,	2						6		
1	2		16				6		7

Plate Of	fsets (X,Y	(): [2:0-4-0 <sub>1</sub> 0-3-1], [6:	0-4-0,0-3-	1]								
LOADIN TCLL TCDL BCLL BCDL	<b>G</b> (psf) 20.0 7.0 10.0 5.0	SPACING Plates Increase Lumber Increase * Rep Stress Incr Code FBC2004/TR	2-0-0 1.25 1.25 NO PI2002	CSI TC BC WB (Mate	0.18 0.09 0.05 rix)	DEFL Vert(LL) Vert(TL) Horz(TL)	in -0.00 -0.00 0.00	(loc) 7 7 6	l/defl n/r n/r n/a	L/d 120 90 n/a	PLATES MT20 Weight: 32 lb	<b>GRIP</b> 244/190

6-8-0

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 6-8-0 oc purlins.
OTHERS 2 X 4 SYP No.3	BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.

**REACTIONS** (lb/size) 2=201/6-8-0, 6=201/6-8-0, 8=283/6-8-0

Max Horz 2=47(load case 6)

Max Uplift 2=-163(load case 6), 6=-170(load case 7), 8=-91(load case 6) Max Grav 2=212(load case 10), 6=212(load case 11), 8=283(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/41, 2-3=-53/90, 3-4=-50/122, 4-5=-50/122, 5-6=-53/90, 6-7=0/41

BOT CHORD 2-8=-86/156, 6-8=-86/156

WEBS 4-8=-241/196

### JOINT STRESS INDEX

2 = 0.56, 3 = 0.00, 3 = 0.24, 4 = 0.07, 5 = 0.00, 5 = 0.24, 6 = 0.56 and 8 = 0.11

### 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; 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) Truss designed for wind loads in the plane of the truss only. For stude exposed to wind (normal Coffith 6466) page MiTek "Standard Gable End Detail"

Julians Large TPANE (Legislacian Congression Plantate Pie Pata 에 plessio Tariotes Pierra extention 에 plession 나이어/15의에 나이어드를 받으면 바다

December 7,2007

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	WINSBERG	
L261859	T25	GABLE	1	1		J1916123
					Job Reference (optional)	

6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Dec 07 12:46:41 2007 Page 2

### **NOTES**

- 4) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) Gable requires continuous bottom chord bearing.
- 6) Gable studs spaced at 1-4-0 oc.
- 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 163 lb uplift at joint 2, 170 lb uplift at joint 6 and 91 lb uplift at joint 8.
- 9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

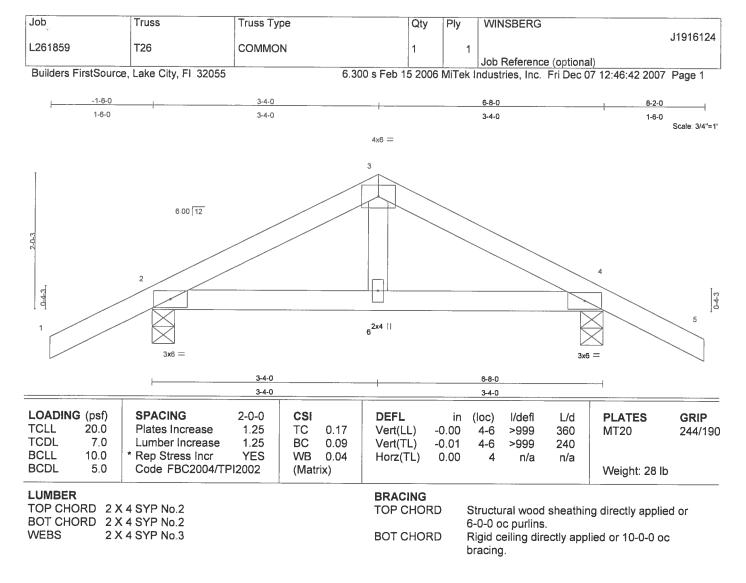
### LOAD CASE(S) Standard

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

Vert: 1-4=-64(F=-10), 4-7=-64(F=-10), 2-6=-10

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**REACTIONS** (lb/size) 2=293/0-4-0, 4=293/0-4-0

Max Horz 2=52(load case 6)

Max Uplift 2=-190(load case 6), 4=-190(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/35, 2-3=-221/110, 3-4=-221/110, 4-5=0/35

**BOT CHORD** 2-6=0/149, 4-6=0/149

**WEBS** 3-6=0/116

### JOINT STRESS INDEX

2 = 0.15, 3 = 0.05, 4 = 0.15 and 6 = 0.08

### **NOTES**

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

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



Job	Truss	Truss Type	Qty	Ply	WINSBERG	
L261859	T26	COMMON	1	1		J1916124
					Job Reference (optional)	

6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Dec 07 12:46:42 2007 Page 2

### **NOTES**

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 190 lb uplift at joint 2 and 190 lb uplift at joint 4.

LOAD CASE(S) Standard



Job Truss Truss Type Ply WINSBERG Qty J1916125 L261859 T27 COMMON Job Reference (optional) Builders FirstSource, Lake City, FI 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Dec 07 12:46:43 2007 Page 1 3-4-0 6-8-0 3-4-0 Scale = 1:14.7 4x6 = 2 6.00 12 4 2x4 || 3-4-0 6-8-0 3-4-0 3-4-0 LOADING (psf) SPACING 2-0-0 CSI DEFL I/defl L/d **PLATES** in (loc) GRIP **TCLL** 20.0 1.25 Plates Increase TC 0.15 Vert(LL) -0.01 3-4 >999 360 MT20 244/190 **TCDL** 7.0 Lumber Increase 1.25 BC 0.27 Vert(TL) -0.023-4 >999 240 **BCLL** 10.0 \* Rep Stress Incr NO WB 0.10 Horz(TL) 0.00 3 n/a n/a **BCDL** 5.0 Code FBC2004/TPI2002 (Matrix) Weight: 24 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=439/0-4-0, 3=439/0-4-0

Max Horz 1=25(load case 4)

Max Uplift 1=-203(load case 5), 3=-203(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-556/240, 2-3=-556/240 BOT CHORD 1-4=-179/461, 3-4=-179/461

WEBS 2-4=-120/326

### **JOINT STRESS INDEX**

1 = 0.24, 2 = 0.15, 3 = 0.24 and 4 = 0.23

### **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; Lumber DOL=1.60 plate grip DOL=1.60.
- 3) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) 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 203 lb uplift at joint 1 and 203 lb uplift at joint 3.

Jislisis Larer Pesiger Cignoscan Cincarpega Placelata Pin Peta In-188085 1 POS Censonist Placy Pilved PSYTION USBARY 18 222-915

Continued on page 2



Job	Truss	Truss Type	Qty	Ply	WINSBERG	
L261859	T27	COMMON	1	1	J19161:	25
					Job Reference (optional)	

6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Dec 07 12:46:43 2007 Page 2

### **NOTES**

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

### LOAD CASE(S) Standard

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

Vert: 1-2=-54, 2-3=-54, 1-3=-85(F=-75)

Litalita i m. Carrier Tirki mana di kempangan yi Tirkiga mpajamba Hila sebagai Peliti Tilada ya Hibbertis Il Nifeta attama melandi Amanya Amil send

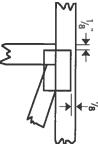


### Symbols

# PLATE LOCATION AND ORIENTATION



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



\*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

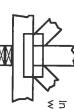
The first dimension is the width perpendicular to slots. Second dimension is the length parallel

### LATERAL BRACING



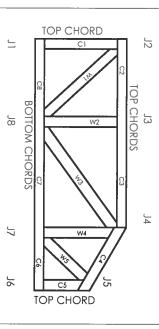
continuous lateral bracing. Indicates location of required

### **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 APPROVALS

IC80

BOCA

96-31, 96-67

3907, 4922

WISC/DILHR 960022-W, 970036-N

SBCCI

9667, 9432A

561

NER





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.
- 'n Cut members to bear tightly against each
- ω 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.)

4.

9 lumber shall not exceed 19% at time of fabrication.

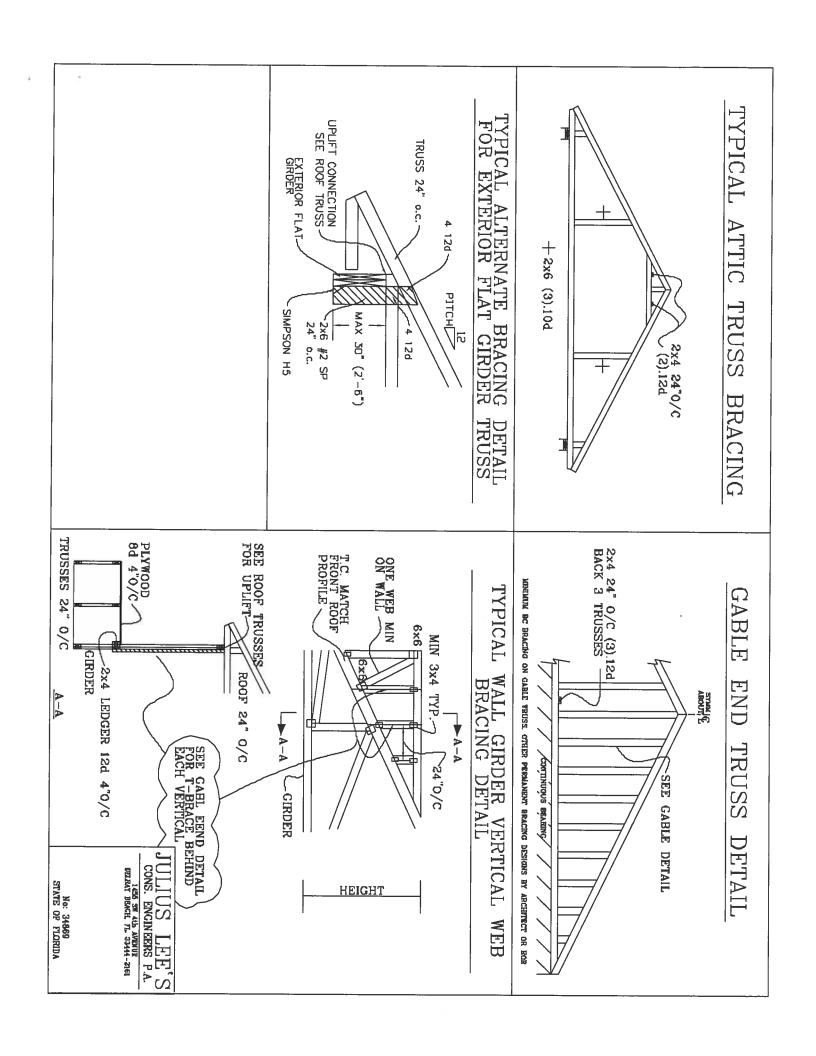
Unless otherwise noted, moisture content of

- Unless expressly noted, this design is not applicable for use with fire retardant or preservative treated lumber
- Plate type, size and location dimensions Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
- œ shown indicate minimum plating requirements
- % 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 unless otherwise noted. ft. spacing, or less, if no ceiling is installed,
- Anchorage and / or load transferring others unless shown. connections to trusses are the responsibility of
- Do not overload roof or floor trusses with stacks of construction materials.
- 14. Do not cut or alter truss member or plate engineer. without prior approval of a professional
- Care should be exercised in handling erection and installation of trusses.
- © 1993 MiTek® Holdings, Inc.

4		MAX GABLE VERTICAL  FOR CO. C. SPF 41  CABLE VERTICAL  SPECIES CH  FOR CO. C. SPF 41  STA  BACE ST STA  FOR EACH MAY BE  DIAGONAL BEACE OFTION  WERTICAL LENGTH SIA  TOTAL LENGTH SIA  OCNABELT DIAGONAL  FOR SAGE  TOTAL LENGTH SIA  CONNECT DIAGONAL AT MERCHAL  CONNECT DIAGONAL  CON	•
	***WARDUK*** TRUSSES REDUISE EXTREME CARE IN FARRICATING, HANDLING, SHOPPING, INSTALLING AND BRADNET, RETUR TO BESS 1-42 (BULLING COMPONENT SAFETY INFORMATION, PUBLISSED BY THE INTRUSE OF THE INSTRUCT, SHE PROHORMED ME, AURIE RO, MANDEN, VI. 237159 AND VITA (VIDEO TRUSS COLUMN TRUSS COLUMN THESE PARTICULAS OFFICE ROOMS (VI. 23716) FOR SAFETY PRACTICES PROHER TO THESE PARTICULAS OFFICE ROOMS (VI. 23716) FOR SAFETY PRACTICES PROHER TO TAILORED THESE PARTICULAS OFFICE ROOMS (VI. 23716) SHALL HAVE PROHER TO ATTACHED STRUCTURAL PRACTICE AND BOTTOM CHORD SHALL HAVE A PROPUR T ATTACHED CELLING.	BRACE NO (1) 134 "L" BRACE (1) 234 "L  BRACE DRACES CROUP A CROUP B CROUP A  1	
No: 34869 STATE OF FLORIDA	NULDEG, SEPPENG, INSTALLING AND STATUS OF STREET OF STRE	MEAN HEIGHT, ENCLOS    (2) 2X4 "L" BRACE **   (1) 2X6 "L" BRACE **     CROUP A CROUP B CROUP A CROUP B   B: 3"   B: 5"   10" 10"   10"   10"     B: 3"   B: 3"   10" 10"   10"   10"     B: 3"   B: 3"   10" 10"   11"     B: 3"   B: 11"   12" 5"   12" 4"     B: 3"   B: 11"   12" 5"   12" 4"     B: 5"   9" 5"   12" 4"   12" 4"     B: 5"   10" 5"   12" 5"   12" 5"     B: 5"   10" 11"   12" 5"   12" 5"     B: 5"   10" 5"   12" 5"   12" 5"     B: 5"   10" 11"   12" 5"   12" 5"     B: 5"   10" 5"   12" 5"   12" 5"     B: 5"   10" 11"   12" 5"   12" 5"     B: 5"   10" 5"   12" 5"   12" 5"     B: 10" 5"   10" 10"   10"     B: 10" 5"   10" 11"   12" 5"   12" 5"     B: 10" 5"   12" 6"   12" 6"     B: 10" 5"   12" 6"   12" 6"     B: 10" 5"   12" 6"   12" 6"     B: 10" 5"   12" 5"   12" 5"     B: 10" 5"   12" 6"   12" 6"	
MAX. TOT. LD. 60 PSI MAX. SPACING 24.0"	A. A. S.	T = 1.00  I = 1.	
PSF	REF ASCET-02-GABI3015  DATE 11/26/03  DRWG MIEK SID CABLE 15 E HT  -ENG	BRACING GROUP SPECIES AND GRADES:  GROUP A:  SPRUCE-PINE-WB  FIL / 42 STANDARD  DOUGLAS FIR-LARCH  FIR STUD  FIR STUD  GROUP B:  HEM-FIR  HEM-FIR  HEM-FIR  HEM-FIR  HEM-FIR  HEM-FIR  HEM-FIR  HEM-FIR  SOUTHERN PINE  FIR & HIR  SOUTHERN PINE  GROUP B:  HEM-FIR  HEM-FIR  HEM-FIR  HEM-FIR  HEM-FIR  HEM-FIR  FIR  GROUP B:  HEM-FIR	

# ASCE 7-02: 130 MPH WIND SPEED, 30' MEAN HEIGHT, ENCLOSED, I = 1.00, EXPOSURE C

				 1
ď.		DIAGONAL BEA MAX GAE  TOTAL LENGTH BEA 12" O.C.  VERTICA IS USE BEAGE IS USE IN THE CONTROL OF THE PEA  VERTICA IN T		
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	SEVARADCIE TRASSES RESURE EXTREME CARE IN FARRICATING, HANDLING, SUPPONG, INSTALLING AND BRACIAG. BOTTER TO BOXI 1-43 GAILLING CHIPPONET SAFETY (RIDBANTIDA), PUBLISHED BY FRY (TRASSES PLATE TO BOXI 1-43 GAILLING CHIPPONET SAFETY RIGHT NAM VICA VADORI TRASS COLACIL. TRASSES DESCRIPTION OF BETTER TRASSES LEMANTAN, VI 2379) TRASSESTEY PRACTICES PROBE TO PROPERTY ATTACHED STRUCTURES. CHICAGO SHALL HAVE PROPERTY ATTACHED STRUCTURES. AND BETTER CARE TO CHIPPONET ATTACHED STRUCTURES.	4 C C C C C C C C C C C C C C C C C C C	(1) 1X4 CROUP CROUP CROUP CROUP CROUP CROUP CROUP CROUP	
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34869 OF FLORIDA	JS LEE'S ENGINEERS P.A.		-1.1 !   [	
	P.A.		BRACE • (2) ZXB 'L' BRACE •  ROUP B CHOUP A CROUP B  9' 1" 12' 3" 12' 3"  9' 1" 12' 3" 12' 3"  9' 1" 12' 3" 12' 3"  11' 1" 12' 3" 13' 2"  11' 1" 12' 3" 13' 2"  11' 1" 12' 3" 12' 6"  9' 3" 12' 3" 12' 6"  10' 10' 10' 10' 10' 10' 10' 10' 10' 10'	
MAX. TOT. LD.  MAX. SPACING			HRACE 48 CROUP B 10' 7' 12' 3' 10' 7' 11' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0' 14' 0'	
LD. 60 PSF CING 24.0"	מוסוסו	CABLE TRUSS DETAIL NOTES:  LIVE LOAD DEPLECTION CRITERIA IS L/240.  PROVIDE UPLIFT CONNECTIONS FOR 180 FLF OVER CONTINUOUS BEARING (6 PSF TC DEAD LOAD).  CABLE END SUPPORTS LOAD FROM 4 0' DUTLIDMARKS WITH 2' O' DVERHANG, DR 12' PLYWOOD OVERHANG.  ATTACH EACH 'L' BRACE WITH 104 MAILS AT 2' O.C. IN 18' END ZONES AND 4" O.C. BLYWEN ZONES.  4' FUR (2) 'L' BRACES: SPACE NAILS AT 3' O.C. IN 18' END ZONES AND 6" O.C. BLYWEN ZONES.  4' FUR (2) 'L' BRACES: SPACE NAILS AT 3' O.C. IN 18' END ZONES AND 6" O.C. BLYWEN ZONES.  1' BRACING MUST BE A MINIMUM OF 80% OF WEB MEMBER LENGTH.  CABLE VERTICAL LENGTH IN D SPLICE  LESS THAM 4' O' BUT ZXA  LESS THAM 4' O' BUT ZXA  - GREATER THAM 11' 6" 2.5XA  - GREATER THAM 11' 6" 2.5XA  - REFER TO COMMON TRUSS BESIGN FOR PEAK, SPLICE, AND HEST FLATES.	GROU	
	REF ASCET-02-GABI DATE 11/26/03 DWG affek std gable 30' -ENG	ABLE TRUSS DETAIL NOTES:  ABLE TRUSS DETAIL NOTES:  ADD DEPLECTION CRITERIA IS L/240.  BY UPLIFT CONNECTIONS FOR 180 FLF OF TWINDIS BEARING (6 PSF FC DEAD LOAD END SUPPORTS LOAD FROM 4 0 CHORRES WITH 2 0 DYERHANG, DR 12 0 DYERHANG, DR 12 0 DYERHANG, DR 12 1 DYERHANG, DR 12 0 DYERHANG, DR 11 0 DYERHANG, DR 12 0 DYERHA	PECIES  PECIES  OUP A:  SOU  SOU  HETE  LACION  BITE  DOGG	
	ASCET-02-GAB13030 11/26/03 EK 5TD GABLE 50' E HT	IL NOTES:  IS L/240.  R 180 PLF OWER  RC DEAD LOAD).  M 4 0°  BANG, DR 12°  BANG, DR 1	A:  HEM-FIR  AZ STUD  #3 STANDARD  SOUTHERN PINE #3 STUD  STANDARD  DOUGLAS FIR-LARCH  #1	



TOP CHORD 2X4 #2 OR BETTER
BOT CHORD 2X4 #2 OR BETTER
WEBS 2X4 #3 OR BETTER

# PIGGYBACK DETAIL

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. 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 RECINERE'S SEALED DESCENDED BECKING BUSINESS.

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

THIS DETAIL IS APPLICABLE FOR THE FOLLOWING WIND CONDITIONS:
110 MPH WIND, 30' MEAN HGT, ASCE 7-02, CLOSED BLDG,
LOCATED ANYWHERE IN ROOF, 1 MI FROM COAST
CAT I, EXP C. WIND TO DL=5 PSF, WIND BC DL=5 PSF

CAT I, EXP C. WIND TO DIES PSF. WIND BC DIES PSF.

110 MPH WIND, 30' MBAN HCT. FBG
ENCLOSED BLDG, LOCATED ANYWHERE IN ROOF
WIND TC DIES PSF. WIND BC DIES PSF.

130 MPH WIND, 30' MEAN HGT, ASCE 7-02, CLOSED BLDG, LOCATED ANYWHERE IN ROOF, CAT II, EXP. C, WIND TC DL=5 PSF, WIND BC DL=5 PSF

FRONT FACE (E,\*) PLATES MAY BE OFFSET FROM BACK FACE PLATES AS LONG AS HOTH FACES ARE SPACED 4' OC MAX. ACCEPTABLE COCATION IS XX 7 20' FLAT TOP CHORD MAX SPAN 煦 TY2 Ш 金 B MAX SIZE OF ZXIZ #2 OR BETTER 要 Ш -TYP. D-SPLICE 

単単

ດ໌ດ

TYPE  A  A  C  C  C	JOINT	
2X4 2X4 4X8 1.5X3 5X4 4X8 01		
34. 2.5X4 5X8 1.5X4 1.5X4 5X5	SPANS	
30' 34' 38' 52' 2X4 2.5X4 2.5X4 3X5 4X8 5X8 5X8 5X8 1.5X4 1.5X4 1.5X4 1.5X3 1.5X4 1.5X4 1.5X4 4X8 0R 3X6 TRULOX AT 4' DC, HOTATISD VERTICALLY	SPANS UP TO	
52' 3X5 3X6 5X8 1.5X4 1.5X4 5X8		

ATACH TRUGOX PLATES WITH (8) 0.120 X 1.375 NAILS, OR EQUAL PER FACE PER PLY. (4) NAILS IN EACH MEMBER TO BE CONNECTED. REFER TO DRAWING 160 TL FOR THULOX INFORMATION.

WEB LENGTH REQUIRED BRACING
O' TO 7'9"   NO BRACING
1x4 "T" E
7'9" TO 10" MEMBER OR BETTER AND 80% LENGTH OF WEB
MEMBER ATTACH WITH 8d NAILS AT 4" OC.
10' TO 14' MEMBER OR RETTER AND GRADE, SPECIES AS WEB
MEMBER. ATTACH WITH 16d NAILS AT

户

THIS DRAWING REPLACES DRAWINGS 634,018 634,017 & 847,045

\*ATTACH PIGGYBACK WITH 3X8 TRULOX OR

ALPINE PIGGYBACK SPECIAL PLATE

SII.			STACK TOWN, PARELY AND BUTTON CHURCH SHALL HAVE A PROPERTY ATTACHED BIGIO CERLOG.	OF AMERICA, 6300 ENTERPRISE LA, MADISCA, MT 337193 FOR SAFETY FRACTICES PRIOR TO PERFORMUS THESE FUNCTIONS. UNLESS CHICKLES DOCCATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED	PLATE DESTRUCT. SEE STUDIE EXTEDIS ENER IN FARRICATION, HANDICHIO, SMIPPING, DISTALLING AND BRACHES DESTRUCTED SEE TO BEST IN EXIL INDICATED BY THE CREASE PLATE DESTRUCTE, SEE STUDIES ENERGY DESCRIPTION FROM THE SEE OF THE SECOND FROM THE SECOND TRANSFER OF THE SECOND FROM THE SECOND F		
STATE OF FLORIDA	No: 34989 State of Florida			1426 SW 4th AVENUE	CONS. ENGINEERS P.A.	Z, HH. IIII.	
SPACING 24.0"	47 PSF AT 1.15 DUR. FAC.	T.GO DON. PAC.		1.33 DUR. FAC.		MAX LOADING	
			-ENG JL	DRWGMITEK STD PIGGY	DATE 09/12/07	REF PIGGYBACK	

# VALLEY TRUSS DETAIL

TOP CHORD 2X4 SP #2 OR SPF #1/#2 OR BETTER.

BOT CHORD 2X3(\*) OR 2X4 SP #2N OR SPF #1/#2 OR BETTER.

WEBS 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
  FBC 2004 110 MPH, ASCE 7-02 110 MPH WIND OR (3) 16d FOR
  ASCE 7-02 130 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 TRUSS INSTALLATION

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

CUT FROM 2X6 OR LARGER AS REQ'D

IZ NAX

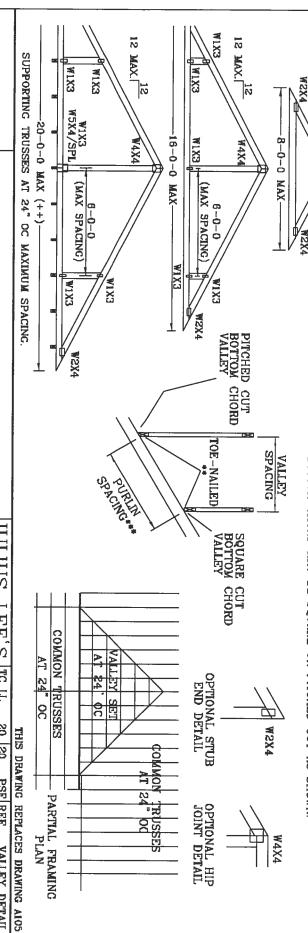
W2X4

12

4-0-0 MAX

++ LARGER SPANS NAY BE BUILT AS LONG AS THE VERTICAL HEIGHT DOES NOT EXCEED 12'0".

BOTTOM CHORD MAY BE SQUARE OR PITCHED CUT AS SHOWN.



		TOT. LD. 32 40 PSF	BC LL 0 0 PSF	DRIBAN BEACH, FL 33444-2161 BC DL 5 5	EERS P.A. TC DL 7 15	JULIUS LEE'S TC IL 20 20 PSF	The state of the s
00181 100. 1.W	NIP FAC 12	TOT. LD.	BC LL	BC DL	TC DL	IC LL	
		32	0	U	~2	20	
	1.25		0	5	15	20	
		PSF	PSF	PSF	PSF	PSF	l
			PSF -ENG JL	DRWG	DATE	PSF REF	
			JL	PSF DRWG VALTRUSS1103	PSF DATE 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-2001 SECTION 12.4.1 — EDGE DISTANCE. END DISTANCE. SPACING: "EDGE DISTANCES, END DISTANCES AND SPACINGS FOR NAILS AND SPIKES SHALL BE SUFFICIENT TO PREVENT SPLITTING OF THE WOOD."

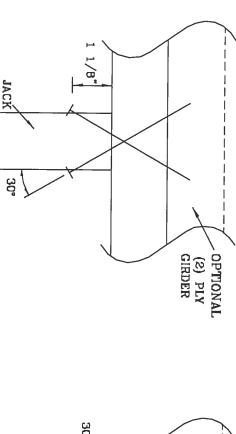
THE NUMBER OF TOE-NAILS TO BE USED IN A SPECIFIC APPLICATION IS DEPENDENT UPON PROPERTIES FOR THE CHORD SIZE, LUMBER SPECIES, AND NAIL TYPE. PROPER CONSTRUCTION PRACTICES AS WELL AS GOOD JUDGEMENT SHOULD DETERMINE THE NUMBER OF NAILS TO BE USED.

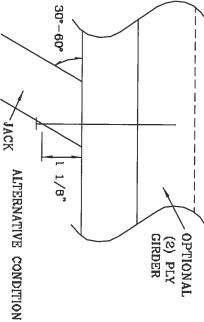
THIS DETAIL DISPLAYS A FRAMING INTO A SINGLE TOE-NAILED CONNECTION FOR JACK OR DOUBLE PLY SUPPORTING GIRDER.

MAXIMUN VERTICAL RESISTANCE OF 16d (0.162"X3.5") COMMON TOE-NAILS

384 452# 585# 390# 507# 384	511# 361#	3 296# 383# 271# 3	2 197# 256# 181# 2	TOE-NAILS 1 PLY 2 PLIES 1 PLY 2	NUMBER OF SOUTHERN PINE DOUGLAS FIR-LARCH
585#		351#	234#	2 PLIES 1	-LARCH
390#	+	234#	156#	1 PLY	HEM-FIR
507#	406#	304#	203#	2 PLIES	IR
384#	307#	230#	154#	1 PLY	SPRUCE PINE FIR
496#	397#	298#	199#	2 PLIES	PINE FIR

LAND I ACLUK.





THIS DRAWING REPLACES DRAWING 784040

	##WARNIDG## TRUSSES REDURE EXTREME CARE IN FARRICATING, HANDLING, SHIPPING, DASTALLING AND BRACING. RETER TID BESS 1-03 CHALIDING COMPIDENT SAFETY HISTORATIDO, PHILSHED IN TPY (TRUSS PLAIT INSTITUTE, 583 INDOCRED IN, SAUTE 200, NADISCH, W. (3719) AND VICA (WOID TRUSS CRACE FARRICAS, SAUD ENTERPRISE LA, MADISCH, V.T 33719) TRE SAFETY PRACTICES PRIDE TO PERSIPHING THESE FUNCTIONS. UNLESS OTHERWISE (INDICATE) TO CHORD SHALL HAVE A PROPERTY ATTACHED REGID CELING. STRUCTURAL PANILS AND BUTTON CHORD SHALL HAVE A PROPERTY ATTACHED REGID CELING.					
No: 34869 State of Florida				DELRAY GEACH, PL S3444-2161	CONS. ENGINEERS P.A.	S, TEL SOITOR
SPACING	DUR. FAC.	TOT. LD.	BC LL	BC DL	TC DL	TC LL
	1.00	PSF	PSF	PSF	PSF	PSF
			-ENG JL		DATE	PSF REF
	•		JL .	DRWG CNTONAIL1103	09/12/07	TOE-NAIL

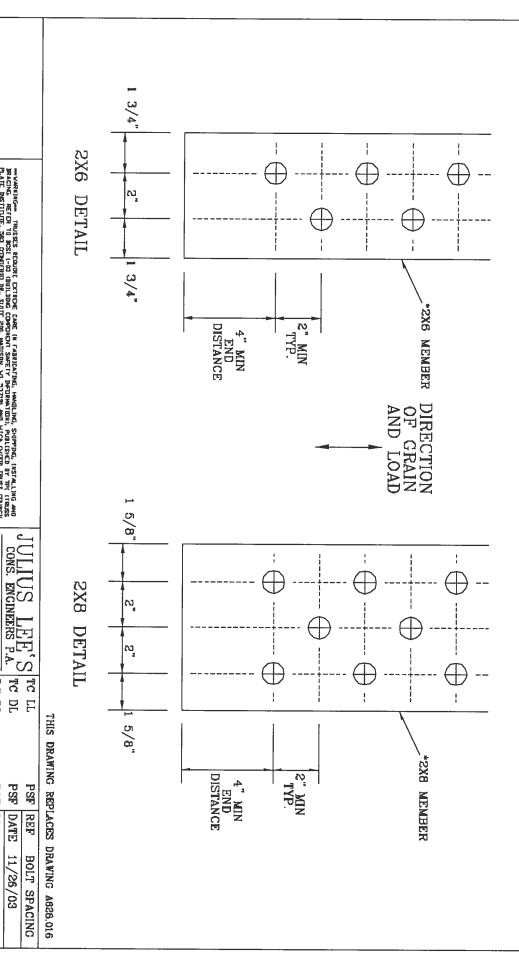
## DIAMETER BOLT SPACING FOR LOAD APPLIED PARALLEL TO GRAIN.

\* GRADE AND SPECIES AS SPECIFIED ON THE ALPINE DESIGN.

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

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

WASHERS REQUIRED UNDER BOLT HEAD AND NUT



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PSF

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BC LL TOT. L

No: 34869 STATE OF FLORIDA

SPACING

TOT. LD.

# TRULOX CONNECTION

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

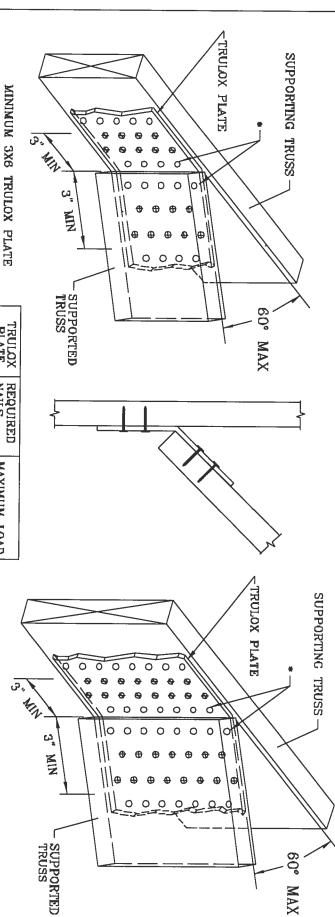
NAILS MAY BE OMITTED FROM THESE ROWS.

THIS DETAIL MAY BE USED WITH SO. PINE. DOUGLAS-FIR OR HEM-FIR CHORDS WITH A MININUM 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.

MAX



TRULOX PLATE SIZE 5X6 3X6 REQUIRED NAILS PER TRUSS 15 9

MAXIMUM LOAD UP OR DOWN

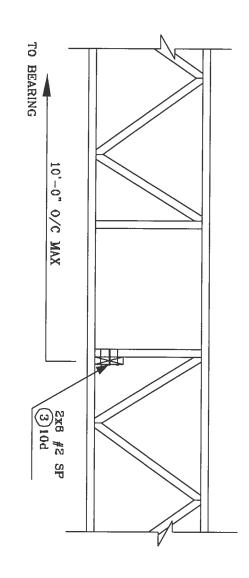
990# 350#

THIS DRAWING REPLACES DRAWINGS 1.158.989 1.158.989/R 1.154.944 1.152.217 1.152.017 1.159.154 & 1.151.524

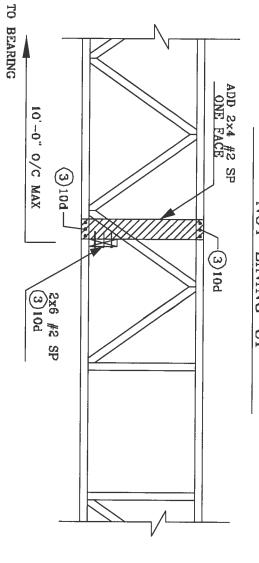
MINIMUM 5X6 TRULOX PLATE

	**************************************				
No: 34869 STATE OF FLORIDA		DELEAY BEACH, IL 33444-2161	Ž	JULIUS LEE'S	
	-ENG JL	DRWG CNTRULOX1103	DATE 11/26/03	REF TRULOX	

### 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.

No: 34869 STATE OF FLORIDA