



Project Information for: L246430

Builder: PRUDENTIAL BLDRS.
 Lot : 12
 Subdivision: HUNNINGTON PLACE
 County: COLUMBIA COUNTY
 Truss Count: 34
 Design Program: MiTek 20/20 6.3
 Building Code: FBC2004/TPI2002

Truss Design Load Information:

Gravity: **Wind:**

Roof (psf): 42.0 Wind Standard: ASCE 7-02 Wind Exposure: B

Floor (psf): N/A Wind Speed (mph): 110

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

Contractor of Record, responsible for structural engineering:

JUSTIN FITZHUGH Florida License No. CRC1328401
 Address: P.O. BOX 3333, LAKE CITY,, FL

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

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

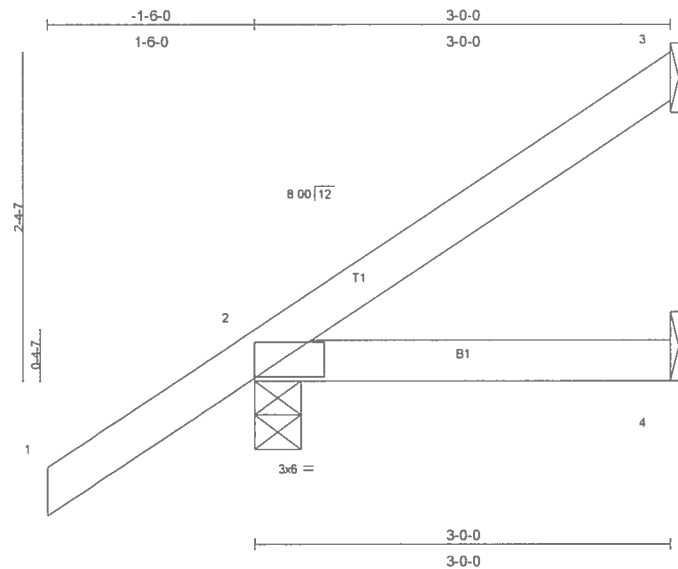
Notes:

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 elements in the web and chord planes. See Florida Administrative Code 61G15-31.003 sections 3 c) & 5 and Chapter 2 of the National Design Standard for Metal Plate Connected Wood Truss Construction ANSI/TPI 1-2002 for additional information on the responsibilities of the delegated "Truss Design Engineer". Builders FirstSource and Julius Lee, PE do not accept any additional delegations beyond the scope of work described in the referenced documents above.



No.	Drwg. #	Truss ID	Date	No.	Drwg. #	Truss ID	Date
1	J1870535	CJ1	7/27/07	29	J1870563	T18G	7/27/07
2	J1870536	CJ3	7/27/07	30	J1870564	T19	7/27/07
3	J1870537	CJ5	7/27/07	31	J1870565	T19G	7/27/07
4	J1870538	EJ7	7/27/07	32	J1870566	T20	7/27/07
5	J1870539	EJ7A	7/27/07	33	J1870567	T21	7/27/07
6	J1870540	EJ7B	7/27/07	34	J1870568	T22	7/27/07
7	J1870541	EJ7C	7/27/07				
8	J1870542	EJ7G	7/27/07				
9	J1870543	HJ9	7/27/07				
10	J1870544	PB01	7/27/07				
11	J1870545	PB02	7/27/07				
12	J1870546	T01	7/27/07				
13	J1870547	T02	7/27/07				
14	J1870548	T04	7/27/07				
15	J1870549	T05	7/27/07				
16	J1870550	T06	7/27/07				
17	J1870551	T07	7/27/07				
18	J1870552	T08	7/27/07				
19	J1870553	T09	7/27/07				
20	J1870554	T10	7/27/07				
21	J1870555	T11	7/27/07				
22	J1870556	T12	7/27/07				
23	J1870557	T13	7/27/07				
24	J1870558	T14	7/27/07				
25	J1870559	T15	7/27/07				
26	J1870560	T16	7/27/07				
27	J1870561	T17	7/27/07				
28	J1870562	T17G	7/27/07				

Job L246430	Truss CJ3	Truss Type JACK	Qty 6	Ply 1	PRUDENTIAL BUILDERS LOT 12
Builders FirstSource, Lake City, Fl 32055			Job Reference (optional) 6,300 s Apr 19 2006 MiTek Industries, Inc Tue Jul 17 14 03 34 2007 Page 1		



Scale 3/4\"=1'

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

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

LUMBER

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

BRACING

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

REACTIONS (lb/size)

3=48/Mechanical, 2=206/0-4-0, 4=14/Mechanical
Max Horz 2=154(load case 6)
Max Uplift 3=47(load case 6), 2=143(load case 6)
Max Grav 3=48(load case 1), 2=206(load case 1), 4=42(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/45, 2-3=60/19
BOT CHORD 2-4=0/0

JOINT STRESS INDEX

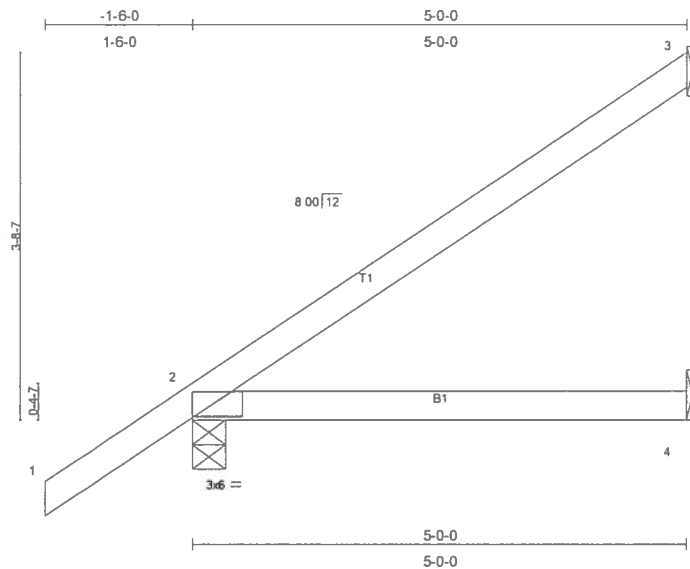
2 = 0.12

NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 47 lb uplift at joint 3 and 143 lb uplift at joint 2.

LOAD CASE(S) Standard

Job L246430	Truss CJ5	Truss Type JACK	Qty 6	Ply 1	PRUDENTIAL BUILDERS LOT 12
Builders FirstSource, Lake City, FL 32055					Job Reference (optional) 6.300 s Apr 19 2006 MiTek Industries, Inc Tue Jul 17 14:03:36 2007 Page 1



Scale = 1/2\"

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

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.22	Vert(LL)	-0.03	2-4	>999	360	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.16	Vert(TL)	-0.05	2-4	>999	240		
BCLL 10.0	Lumber Increase 1.25	WB 0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL 5.0	Rep Stress Incr YES	(Matrix)							
	Code FBC2004/TPI2002							Weight: 19 lb	

LUMBER

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

BRACING

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

REACTIONS (lb/size)

3=113/Mechanical, 2=258/0-4-0, 4=24/Mechanical
Max Horz 2=215(load case 6)
Max Uplift 3=121(load case 6), 2=-138(load case 6)
Max Grav 3=113(load case 1), 2=258(load case 1), 4=72(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/45, 2-3=-100/50
BOT CHORD 2-4=0/0

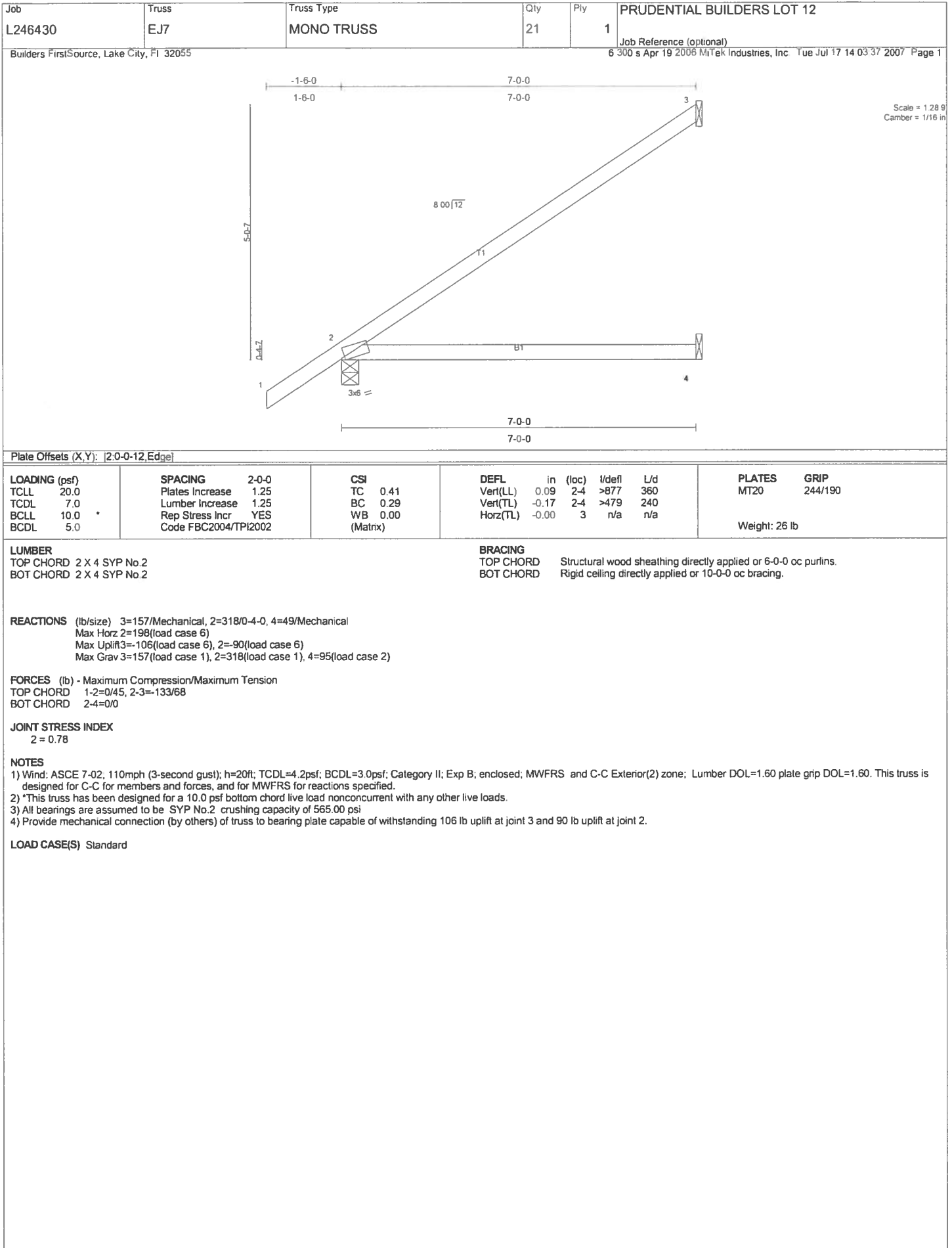
JOINT STRESS INDEX

2 = 0.15

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 121 lb uplift at joint 3 and 138 lb uplift at joint 2.

LOAD CASE(S) Standard



Job L246430	Truss EJ7A	Truss Type MONO HIP	Qty 1	Ply 1	PRUDENTIAL BUILDERS LOT 12
Builders FirstSource, Lake City, FL 32055					Job Reference (optional) 6 300 s Apr 19 2006 MiTek Industries, Inc Tue Jul 17 14 03:38 2007 Page 1

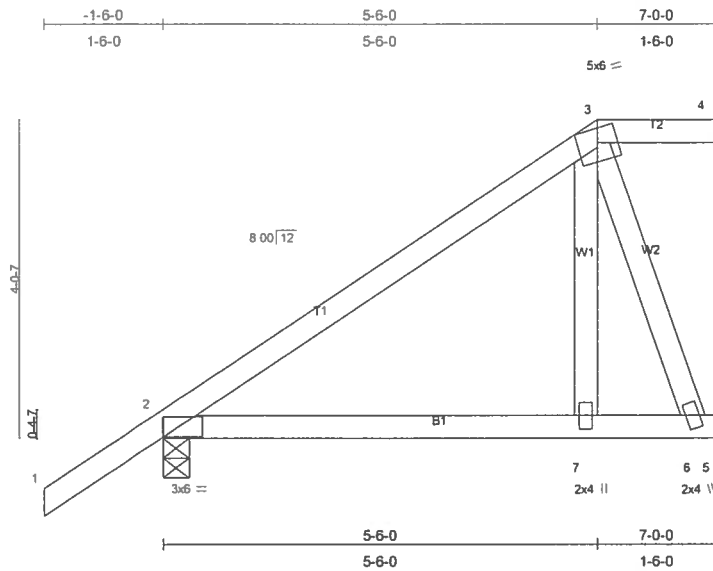


Plate Offsets (X,Y): [2-0-3-9,0-1-8]

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.21	Vert(LL)	-0.02	2-7	>999	360	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.14	Vert(TL)	-0.03	2-7	>999	240		
BCLL 10.0	Lumber Increase 1.25	WB 0.09	Horz(TL)	-0.00	4	n/a	n/a		
BCDL 5.0	Rep Stress Incr YES	(Matrix)							
	Code FBC2004/TPI2002								
								Weight: 36 lb	

LUMBER

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

BRACING

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

REACTIONS

(lb/size) 4=42/Mechanical, 2=311/0-4-0, 6=255/Mechanical
Max Horz 2=168(load case 6)
Max Uplift 4=42(load case 1), 2=104(load case 6), 6=111(load case 6)
Max Grav 4=42(load case 6), 2=311(load case 1), 6=255(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/45, 2-3=194/0, 3-4=1/0
BOT CHORD 2-7=-76/93, 6-7=-77/90, 5-6=0/0
WEBS 3-7=0/153, 3-6=-282/240

JOINT STRESS INDEX

2 = 0.26, 3 = 0.50, 6 = 0.13 and 7 = 0.11

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02: 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS 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.
- 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.
- All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 42 lb uplift at joint 4, 104 lb uplift at joint 2 and 111 lb uplift at joint 6.

LOAD CASE(S) Standard

Job L246430	Truss EJ7B	Truss Type MONO HIP	Qty 1	Ply 1	PRUDENTIAL BUILDERS LOT 12
Builders FirstSource, Lake City, FL 32055					Job Reference (optional) 6/30/05 Apr 19 2006 MiTek Industries, Inc. Tue Jul 17 14:03:38 2007 Page 1

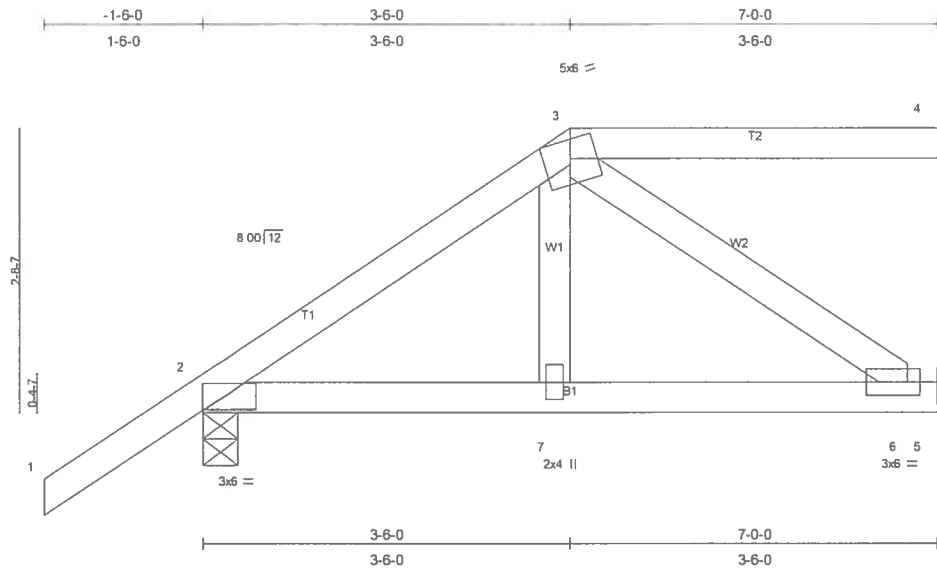


Plate Offsets (X,Y): [2:0-3:9:0-1:8]

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2'-0"	TC 0.17	Vert(LL)	-0.01	6-7	>999	360	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.10	Vert(TL)	-0.01	6-7	>999	240		
BCLL 10.0	Lumber Increase 1.25	WB 0.07	Horz(TL)	0.00	4	n/a	n/a		
BCDL 5.0	Rep Stress Incr YES	(Matrix)							
	Code FBC2004/TPI2002								
								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

BRACING

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

REACTIONS (lb/size)

4=76/Mechanical, 2=318/0-4-0, 5=130/Mechanical
Max Horz 2=125(load case 6)
Max Uplift 4=-47(load case 4), 2=-118(load case 6), 5=-27(load case 5)
Max Grav 4=81(load case 11), 2=318(load case 1), 5=130(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/45, 2-3=-257/98, 3-4=-0/0
BOT CHORD 2-7=-129/167, 6-7=-131/164, 5-6=0/0
WEBS 3-7=0/128, 3-6=-205/164

JOINT STRESS INDEX

2 = 0.32, 3 = 0.19, 6 = 0.06 and 7 = 0.09

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS 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.
- 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.
- All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 47 lb uplift at joint 4, 118 lb uplift at joint 2 and 27 lb uplift at joint 5.

LOAD CASE(S) Standard

Job L246430	Truss EJ7C	Truss Type SPECIAL	Qty 4	Ply 1	PRUDENTIAL BUILDERS LOT 12
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6 300 s Apr 19 2006 MiTek Industries, Inc. Tue Jul 17 14 03 39 2007 Page 1		

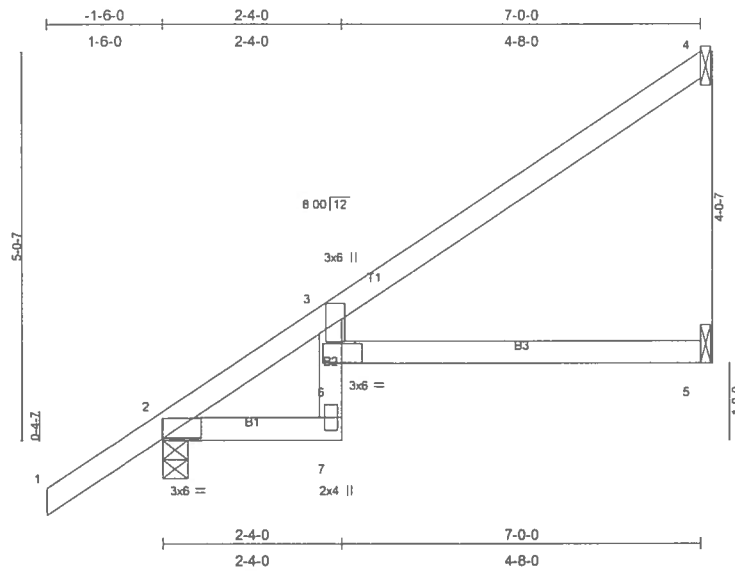


Plate Offsets (X,Y): [2:0-3-9,0-1-8], [3:0-4-12,0-1-0], [6:0-3-2,0-0-1]

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.32	Vert(LL)	0.16	5-6	>516	360	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.47	Vert(TL)	-0.18	5-6	>455	240		
BCLL 10.0	Lumber Increase 1.25	WB 0.00	Horz(TL)	0.07	5	n/a	n/a		
BCDL 5.0	Rep Stress Incr YES	(Matrix)							
	Code FBC2004/TPI2002							Weight: 28 lb	

LUMBER
TOP CHORD 2 X 4 SYP No 2
BOT CHORD 2 X 4 SYP No 2 *Except*
B2 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=139/Mechanical, 2=318/0-4-0, 5=67/Mechanical
Max Horz 2=198(load case 5)
Max Uplift 4=88(load case 6), 2=90(load case 6), 5=11(load case 6)
Max Grav 4=139(load case 1), 2=318(load case 1), 5=91(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-269/0, 3-4=-103/63
BOT CHORD 2-7=-142/168, 6-7=-1/50, 3-6=-1/101, 5-6=0/0

JOINT STRESS INDEX
2 = 0.34, 3 = 0.42, 6 = 0.68 and 7 = 0.45

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 88 lb uplift at joint 4, 90 lb uplift at joint 2 and 11 lb uplift at joint 5.

LOAD CASE(S) Standard

Job L246430	Truss EJ7G	Truss Type MONO HIP	Qty 1	Ply 1	PRUDENTIAL BUILDERS LOT 12
Builders FirstSource, Lake City, FL 32055					Job Reference (optional) 6 300 s Apr 19 2006 MiTek Industries, Inc Tue Jul 17 14 03:40 2007 Page 1

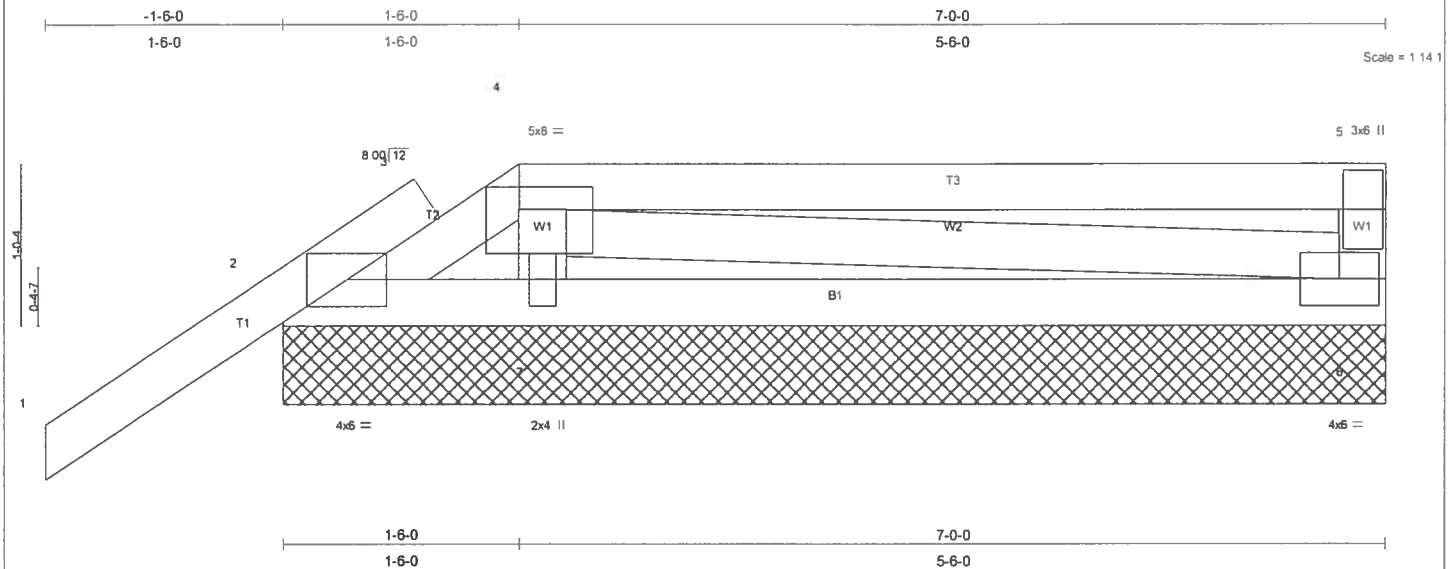


Plate Offsets (X,Y): [4:0-5-8,0-1-12]					
LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.68	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.14	Vert(LL) -0.01 1 n/r 120		
BCLL 10.0	Lumber Increase 1.25	WB 0.07	Vert(TL) -0.02 1 n/r 90		
BCDL 5.0	Rep Stress Incr NO	(Matrix)	Horz(TL) 0.00 6 n/a n/a		
	Code FBC2004/TPI2002			Weight: 34 lb	

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2 X 4 SYP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2 X 4 SYP No.3	

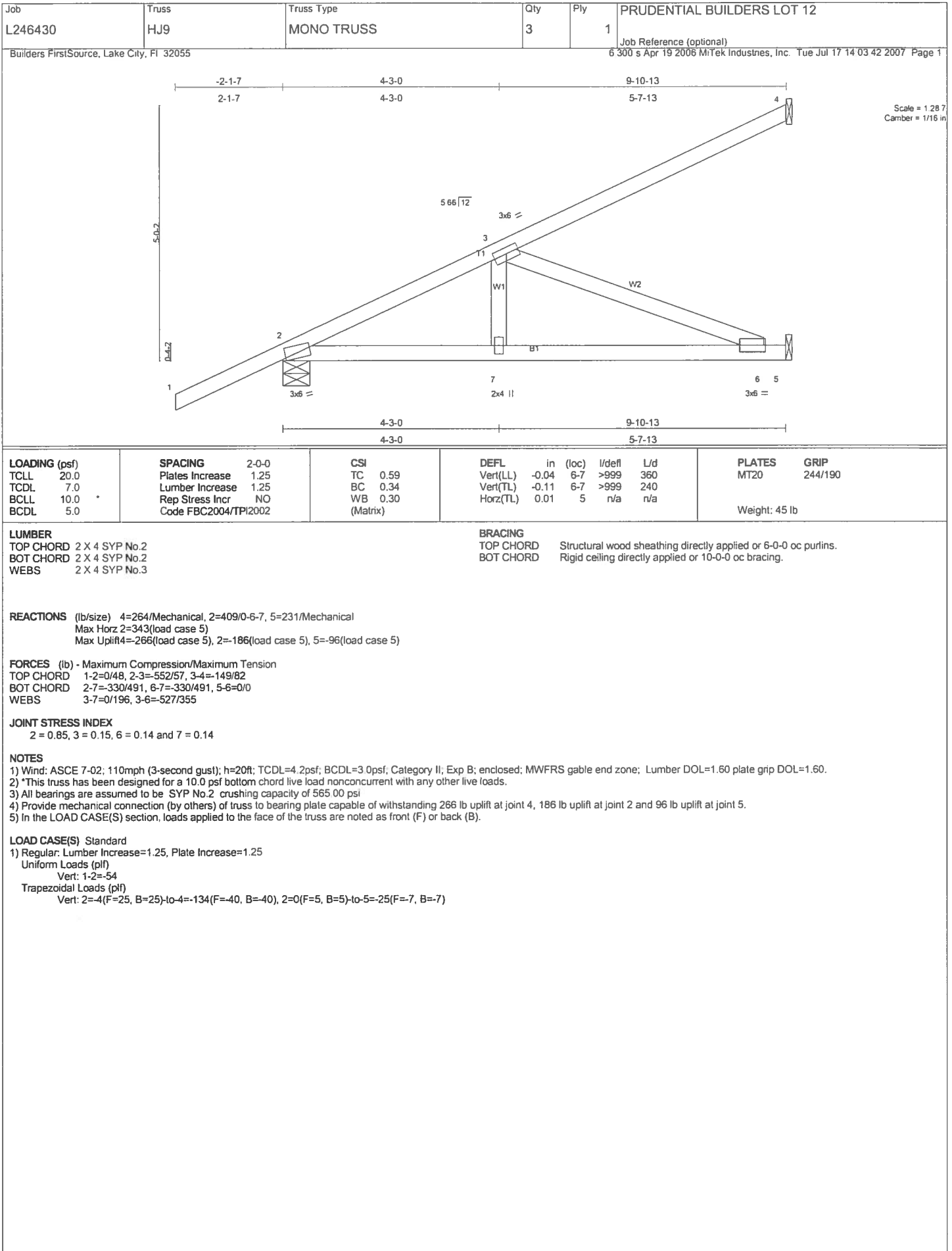
REACTIONS (lb/size) 2=250/7-0-0, 6=246/7-0-0, 7=300/7-0-0
Max Horz 2=95(load case 6)
Max Uplift 2=-210(load case 6), 6=-155(load case 4), 7=-149(load case 4)
Max Grav 2=250(load case 1), 6=246(load case 1), 7=301(load case 11)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-15/70, 2-3=-247/190, 3-4=-171/157, 4-5=-285/243, 5-6=-233/233
BOT CHORD 2-7=-208/227, 6-7=-155/171
WEBS 4-7=-286/268, 4-6=-88/116

JOINT STRESS INDEX
2 = 0.71, 3 = 0.00, 4 = 0.74, 5 = 0.57, 6 = 0.20 and 7 = 0.15

- 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) 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) Gable requires continuous bottom chord bearing.
 - 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 210 lb uplift at joint 2, 155 lb uplift at joint 6 and 149 lb uplift at joint 7.
 - 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: 1-4=-87(F=-33), 4-5=-87(F=-33), 2-6=-10



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LUMBER		BRACING	
TOP CHORD	2 X 4 SYP No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD	2 X 4 SYP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing
OTHERS	2 X 4 SYP No.3		

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-90/56, 2-3=-268/150, 3-4=-268/150, 4-5=-90/56
BOT CHORD 2-6=-73/215, 4-6=-73/215
WEBS 3-6=-38/119

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) Bearing at joint(s) 1, 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 38 lb uplift at joint 1 and 38 lb uplift at joint 5.
- 7) SEE MiTek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS

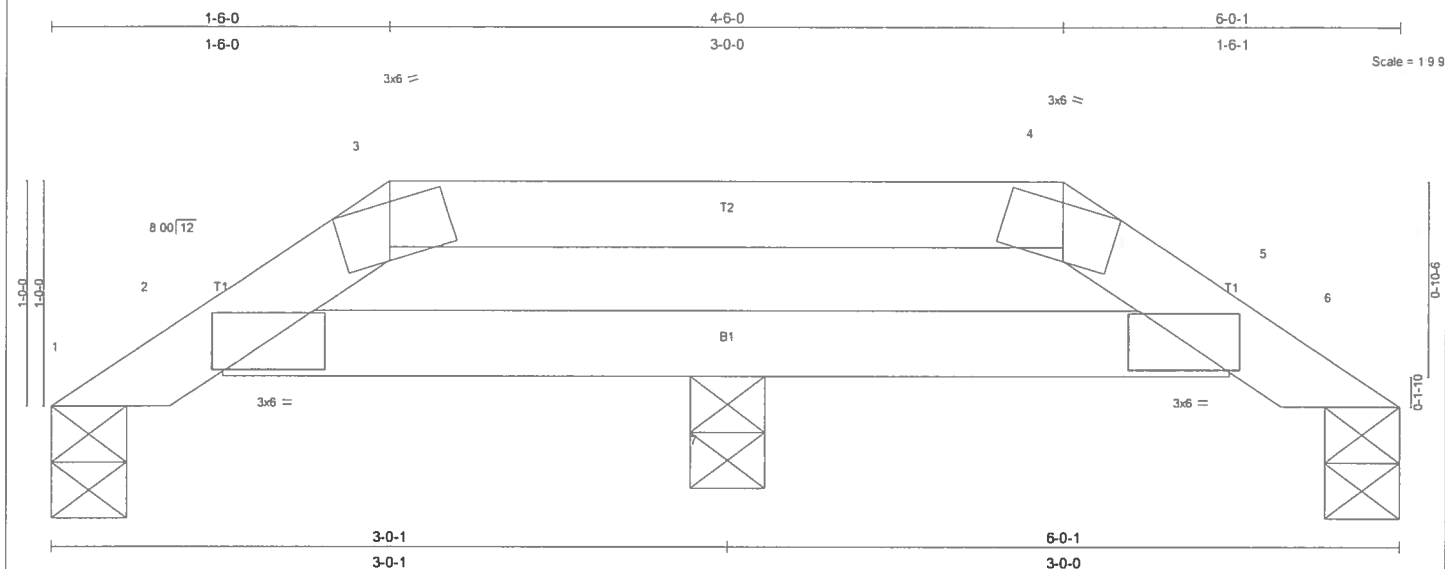
LOAD CASE(S) Standard

Job L246430	Truss PB02	Truss Type VALLEY	Qty 2	Ply 1	PRUDENTIAL BUILDERS LOT 12
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Builders FirstSource, Lake City, FL 32055

Job Reference (optional)

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LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.12	in (loc) l/def L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.12	Vert(LL) -0.00 2 >999 360		
BCLL 10.0	Lumber Increase 1.25	WB 0.00	Vert(TL) -0.01 2 >999 240		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.01 6 n/a n/a		
	Code FBC2004/TPI2002			Weight: 16 lb	

LUMBER

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

BRACING

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

REACTIONS

(lb/size) 1=133/0-4-0, 6=133/0-4-0, 7=100/0-4-0
Max Horz 1=26(load case 5)
Max Uplift 1=40(load case 5), 6=-44(load case 4), 7=-9(load case 5)
Max Grav 1=133(load case 1), 6=133(load case 1), 7=108(load case 2)

FORCES

(lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-65/61, 2-3=-247/253, 3-4=-218/245, 4-5=-247/253, 5-6=-65/61
BOT CHORD 2-7=-198/218, 5-7=-198/218

JOINT STRESS INDEX

2 = 0.33, 3 = 0.16, 4 = 0.16 and 5 = 0.33

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS 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.
- 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.
- All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- Bearing at joint(s) 1, 6 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 40 lb uplift at joint 1, 44 lb uplift at joint 6 and 9 lb uplift at joint 7.
- SEE MiTek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS

LOAD CASE(S) Standard

Job L246430	Truss T01	Truss Type SPECIAL	Qty 1	Ply 1	PRUDENTIAL BUILDERS LOT 12
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6 300 s Apr 19 2006 MiTek Industries, Inc Tue Jul 17 14:03:43 2007 Page 1		

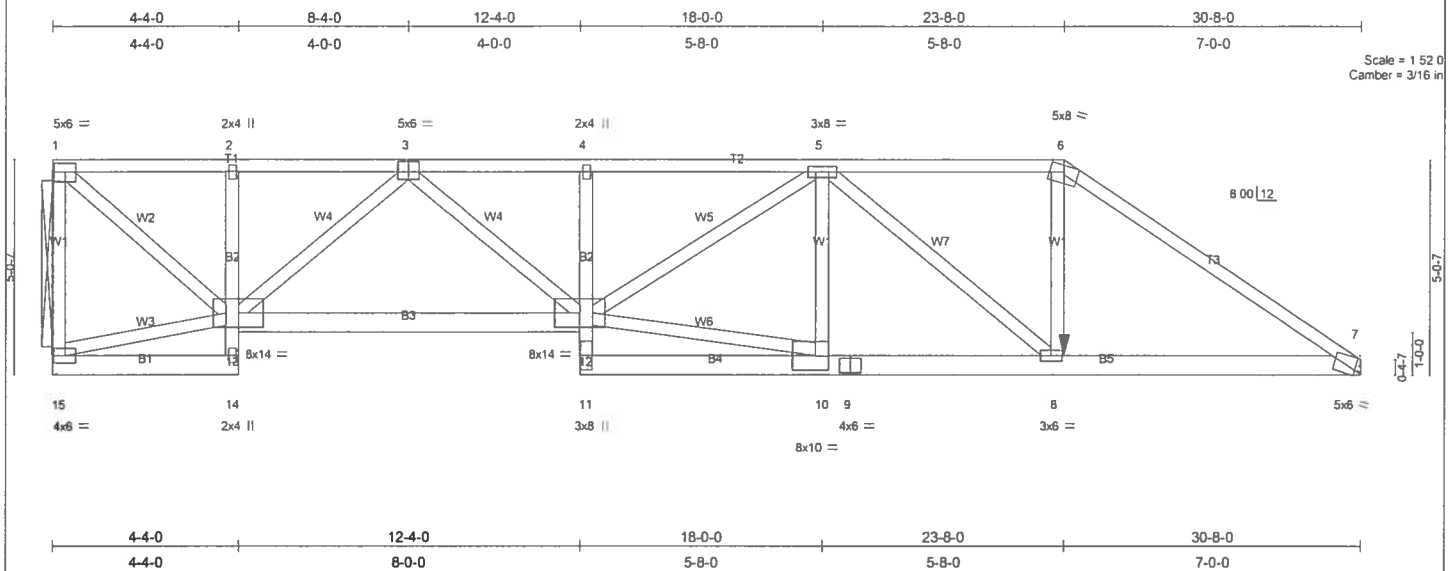


Plate Offsets (X,Y): [3:0-3:0,0-3:0], [7:0-2:0,Edge], [10:0-3:8,0-4:0]					
LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2'-0"	TC 0.65	in (loc) l/defl L/d	MT20	244/190
TCCL 7.0	Plates Increase 1.25	BC 0.62	Ver(LL) -0.22 12-13 >999 360		
BCCL 10.0	Lumber Increase 1.25	WB 0.94	Ver(TL) -0.42 12-13 >868 240		
BCDL 5.0	Rep Stress Incr NO	(Matrix)	Horz(TL) 0.15 7 n/a n/a		
	Code FBC2004/TP12002			Weight: 207 lb	

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing directly applied or 2-8-2 oc purlins, except end verticals.
BOT CHORD 2 X 6 SYP No.1D *Except*	Rigid ceiling directly applied or 6-0-0 oc bracing.
B2 2 X 4 SYP No.2, B2 2 X 4 SYP No.2	T-Brace: 2 X 4 SYP No.3 - 1-15
WEBS 2 X 4 SYP No.3	Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.
	,with 4in minimum end distance.
	Brace must cover 90% of web length.

REACTIONS (lb/size) 15=2037/Mechanical, 7=1938/Mechanical
Max Horz 15=-104(load case 6)
Max Uplift 15=-709(load case 4), 7=-559(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-15=-1997/744, 1-2=-1982/700, 2-3=-2017/721, 3-4=-4155/1429, 4-5=-4136/1430, 5-6=-2666/876, 6-7=-3256/990
BOT CHORD 14-15=-80/30, 13-14=0/79, 2-13=-448/235, 12-13=-1168/3275, 11-12=0/139, 4-12=-510/258, 10-11=-189/565, 9-10=-1167/3458, 8-9=-1167/3458, 7-8=-785/2626
WEBS 13-15=-75/101, 1-13=-921/2621, 3-13=-1679/590, 3-12=-360/1174, 10-12=-993/2939, 5-12=-322/814, 5-10=-480/276, 5-8=-1038/484, 6-8=-384/1222

JOINT STRESS INDEX
1 = 0.86, 2 = 0.37, 3 = 0.64, 4 = 0.35, 5 = 0.78, 6 = 0.86, 7 = 0.85, 8 = 0.80, 9 = 0.92, 10 = 0.69, 11 = 0.72, 12 = 0.57, 13 = 0.54, 14 = 0.34 and 15 = 0.53

- NOTES**
- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS; Lumber DOL=1.60 plate grip DOL=1.60.
 - 2) Provide adequate drainage to prevent water ponding.
 - 3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 709 lb uplift at joint 15 and 559 lb uplift at joint 7.
 - 6) Girder carries tie-in span(s): 4-3-12 from 4-4-0 to 12-4-0; 3-2-1 from 4-4-0 to 12-4-0
 - 7) Girder carries hip end with 26-4-0 right side setback, 0-0-0 left side setback, and 7-0-0 end setback.
 - 8) Girder carries hip end with 7-0-0 right side setback, 12-4-0 left side setback, and 7-0-0 end setback.
 - 9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 411 lb down and 150 lb up at 23-8-0 on bottom chord.
The design/selection of such connection device(s) is the responsibility of others.
 - 10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-120(F=-66), 2-4=-89(F=-35), 4-6=-120(F=-66), 6-7=-54, 14-15=-22(F=-12), 12-13=-27(F=-17), 8-11=-22(F=-12), 7-8=-10
Concentrated Loads (lb)
Vert: 8=-411(F)

Job L246430	Truss T02	Truss Type SPECIAL	Qty 1	Ply 1	PRUDENTIAL BUILDERS LOT 12
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6 300 s Apr 19 2006 MiTek Industries, Inc. Tue Jul 17 14:03:45 2007 Page 1		

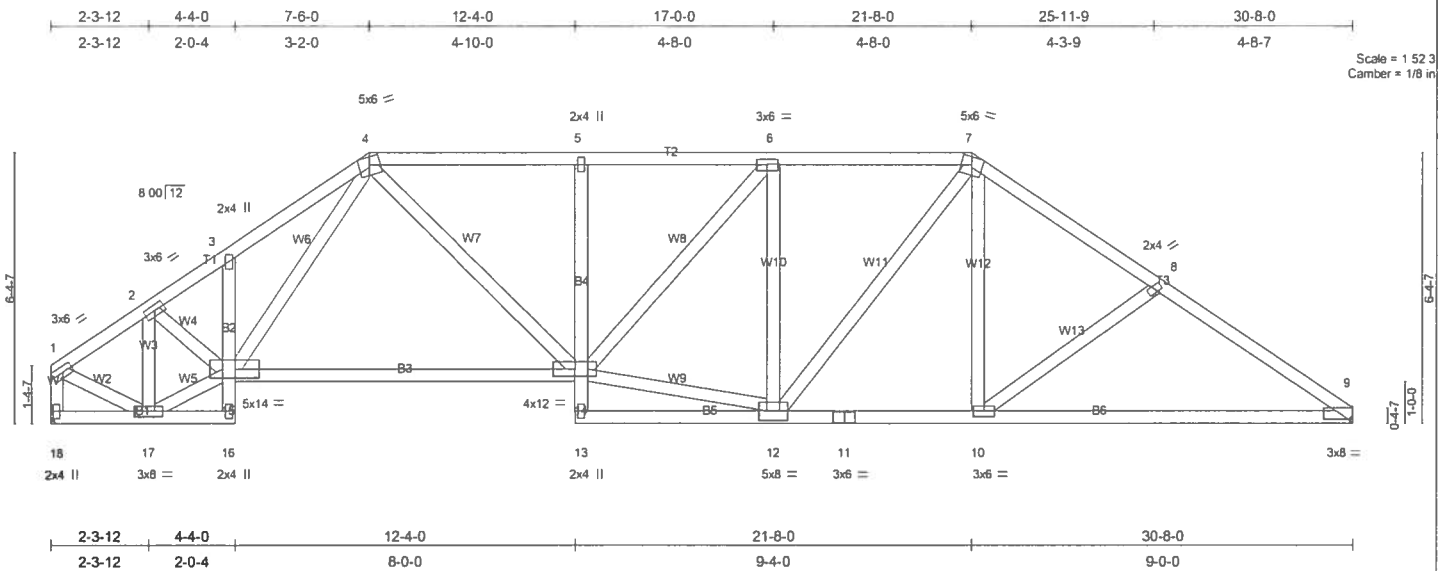


Plate Offsets (X,Y): [9-0-8-3,0-1-2]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.23	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.44	Ver(LL) -0.14 9-10 >999 360		
BCLL 10.0	Lumber Increase 1.25	WB 0.38	Ver(TL) -0.27 9-10 >999 240		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.08 9 n/a n/a		
	Code FBC2004/TPI2002			Weight: 195 lb	

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing directly applied or 4-10-5 oc purlins, except end verticals.
BOT CHORD 2 X 4 SYP No.2 *Except*	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2 X 4 SYP No.3	

REACTIONS (lb/size) 9=975/Mechanical, 18=975/Mechanical
Max Horz 18=-167(load case 4)
Max Uplift 9=-218(load case 4), 18=-215(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-946/467, 2-3=-1473/719, 3-4=-1495/809, 4-5=-1436/808, 5-6=-1422/806, 6-7=-1222/736, 7-8=-1325/706, 8-9=-1523/759, 1-18=-942/465
BOT CHORD 17-18=-152/163, 16-17=-81/25, 15-16=-10/30, 3-15=-126/130, 14-15=-384/1084, 13-14=0/77, 5-14=-258/181, 12-13=-51/59, 11-12=-375/1040, 10-11=-375/1040, 9-10=-552/1220
WEBS 2-17=-777/337, 15-17=-279/825, 2-15=-204/586, 4-15=-136/285, 4-14=-228/558, 12-14=-431/1190, 6-14=-141/326, 6-12=-502/249, 7-10=-88/290, 1-17=-355/783, 7-12=-204/378, 8-10=-217/215

JOINT STRESS INDEX
1 = 0.49, 2 = 0.43, 3 = 0.34, 4 = 0.37, 5 = 0.34, 6 = 0.39, 7 = 0.37, 8 = 0.34, 9 = 0.68, 10 = 0.35, 11 = 0.35, 12 = 0.57, 13 = 0.78, 14 = 1.00, 15 = 0.64, 16 = 0.34, 17 = 0.78 and 18 = 0.43

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS 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.
 - 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.
 - All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 218 lb uplift at joint 9 and 215 lb uplift at joint 18.

LOAD CASE(S) Standard

Job L246430	Truss T04	Truss Type SPECIAL	Qty 1	Ply 1	PRUDENTIAL BUILDERS LOT 12
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6 300 s Apr 19 2006 Mitek Industries, Inc Tue Jul 17 14 03:46 2007 Page 1		

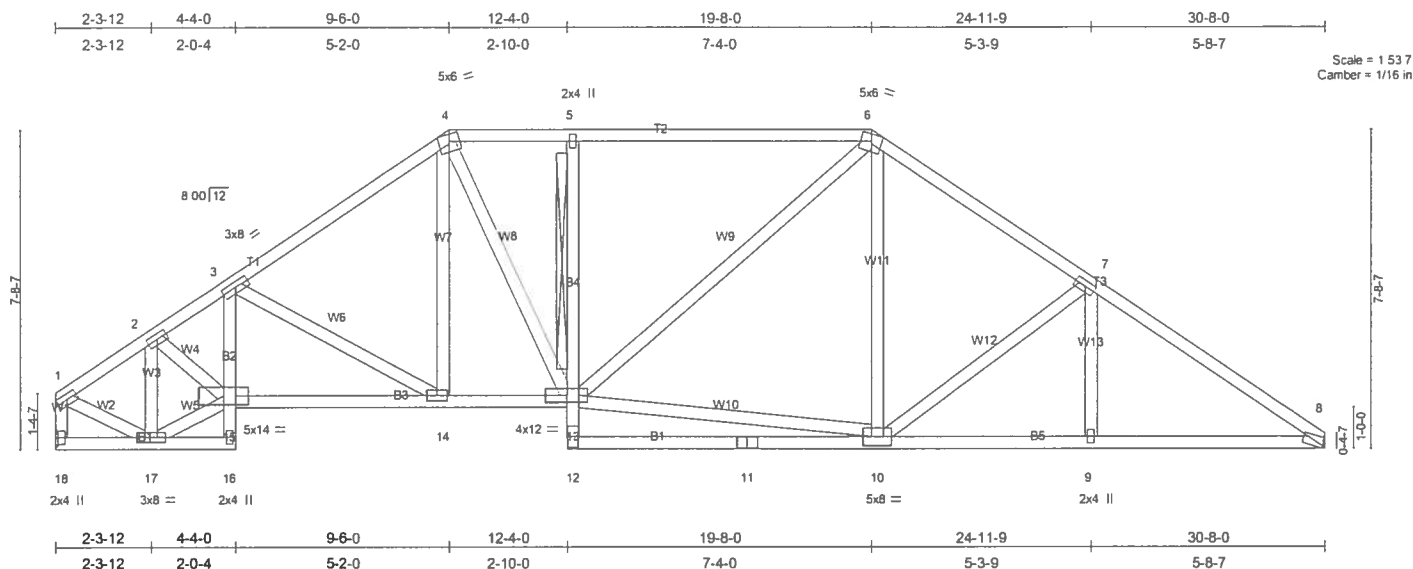


Plate Offsets (X,Y): 8.0-0-12, Edge

LOADING (psf)	SPACING	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.36	Vert(LL)	-0.07 10-12	>999	360	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.50	Vert(TL)	-0.15 10-12	>999	240		
BCLL 10.0	Lumber Increase 1.25	WB 0.33	Horz(TL)	0.07 8	n/a	n/a		
BCDL 5.0	Rep Stress Incr YES	(Matrix)						
	Code FBC2004/TP12002							
							Weight: 204 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
B2 2 X 4 SYP No.3, B4 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 4-10-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-7-3 oc bracing. Except:
T-Brace: 2 X 4 SYP No.3 - 5-13

REACTIONS

(lb/size) 8=975/Mechanical, 18=975/Mechanical
Max Horz 18=-204(load case 4)
Max Uplift 8=-185(load case 7), 18=-173(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-942/456, 2-3=-1477/718, 3-4=-1299/677, 4-5=-1127/685, 5-6=-1138/695, 6-7=-1224/671, 7-8=-1539/724, 1-18=-940/457
BOT CHORD 17-18=-189/203, 16-17=-60/84, 15-16=-11/38, 3-15=-26/131, 14-15=-498/1265, 13-14=-303/1006, 12-13=0/115, 5-13=-311/186, 11-12=0/183, 10-11=0/183, 9-10=-507/1205, 8-9=-507/1205
WEBS 2-17=-761/328, 15-17=-280/758, 2-15=-238/625, 3-14=-294/221, 4-14=-87/246, 4-13=-214/383, 10-13=-309/844, 6-13=-199/334, 6-10=-64/249, 7-10=-311/253, 7-9=0/165, 1-17=-336/767

JOINT STRESS INDEX

1 = 0.51, 2 = 0.46, 3 = 0.52, 4 = 0.40, 5 = 0.67, 6 = 0.63, 7 = 0.43, 8 = 0.73, 9 = 0.34, 10 = 0.38, 11 = 0.29, 12 = 0.52, 13 = 0.64, 14 = 0.35, 15 = 0.48, 16 = 0.41, 17 = 0.72 and 18 = 0.45

NOTES

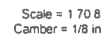
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02: 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 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.
- All plates are 3x6 MT20 unless otherwise indicated.
- All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 185 lb uplift at joint 8 and 173 lb uplift at joint 18.

LOAD CASE(S)

Standard

LOAD CASE(S) Standard

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LUMBER TOP CHORD 2 X 4 SYP No.2 BOT CHORD 2 X 4 SYP No.2 WEBS 2 X 4 SYP No.3	BRACING TOP CHORD Structural wood sheathing directly applied or 4-7-8 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 8-11-2 oc bracing. WEBS T-Brace: 2 X 4 SYP No.3 - 3-11, 4-9, 6-9 Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c. ,with 4in minimum end distance. Brace must cover 90% of web length.
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FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/49, 2-3=1223/573, 3-4=1003/574, 4-5=750/569, 5-6=1017/583, 6-7=1487/671, 2-13=1033/558
 BOT CHORD 12-13=292/302, 10-11=333/947, 10-11=130/744, 9-10=130/744, 8-9=435/1143, 7-8=435/1144
 WEBS 3-12=96/196, 3-11=180/252, 4-11=125/249, 4-9=196/215, 5-9=173/314, 6-9=487/376, 6-8=0/257, 2-12=295/856

JOINT STRESS INDEX
2 = 0.72, 3 = 0.70, 4 = 0.99, 5 = 0.67, 6 = 0.79, 7 = 0.72, 8 = 0.34, 9 = 0.71, 10 = 0.35, 11 = 0.35, 12 = 0.37 and 13 = 0.79

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 264 lb uplift at joint 13 and 203 lb uplift at joint 7.

LOAD CASE(S) Standard

Job L246430	Truss T07	Truss Type SPECIAL	Qty 1	Ply 1	PRUDENTIAL BUILDERS LOT 12
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6 300 s Apr 19 2006 MiTek Industries, Inc. Tue Jul 17 14 03 50 2007 Page 1		

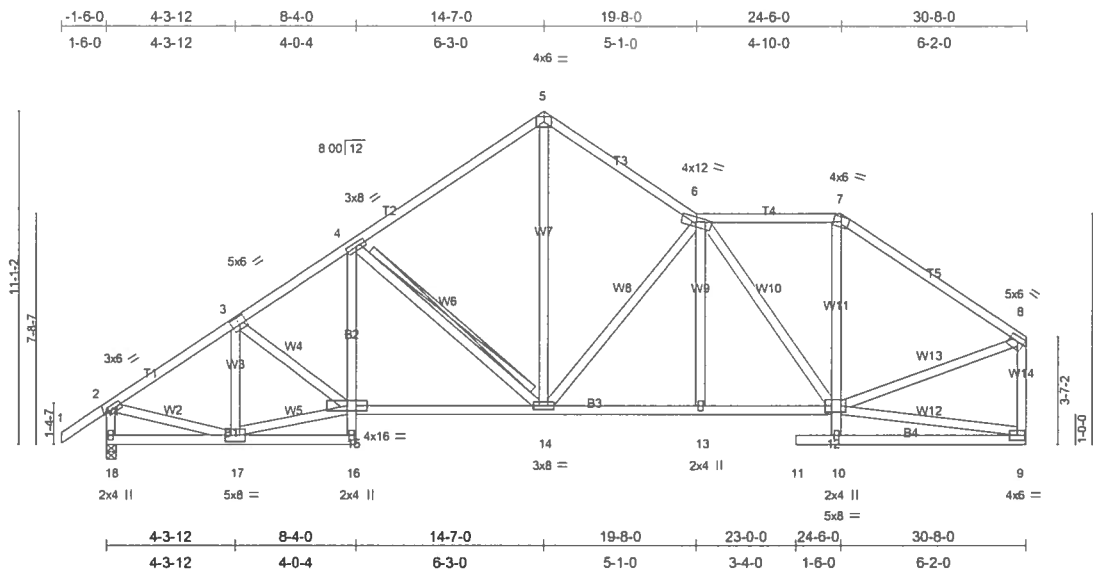


Plate Offsets (X,Y): [3:0-3:0,0-3:0], [8:0-2:12,0-2:0], [12:0-2:8,0-2:8]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.52	Vert(LL)	0.07	14-15	>999	360	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.26	Vert(TL)	-0.13	14-15	>999	240		
BCLL 10.0	Rep Stress Incr	YES	WB 0.72	Horz(TL)	0.06	9	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							
Weight: 230 lb										

LUMBER

TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
B2 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 5-4-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-0-8 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 4-14
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) 18=1066/0-4-0, 9=979/Mechanical
Max Horz 18=285(load case 5)
Max Uplift 18=-262(load case 6), 9=-206(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/49, 2-3=-1136/520, 3-4=-1318/674, 4-5=-1026/592, 5-6=-995/600, 6-7=-786/496, 7-8=-1020/500, 2-18=-1035/543, 8-9=-947/478
BOT CHORD 17-18=-293/225, 16-17=-60/67, 15-16=0/60, 4-15=-66/236, 14-15=-491/1072, 13-14=-454/1076, 12-13=-454/1077, 10-11=0/0, 9-10=0/23
WEBS 3-17=-427/224, 15-17=-412/854, 3-15=-27/206, 4-14=-406/315, 5-14=-425/697, 6-14=-491/325, 6-13=0/149, 6-12=-503/229, 10-12=0/125, 7-12=-49/283, 2-17=-311/854, 8-12=-301/774, 9-12=-37/40

JOINT STRESS INDEX

2 = 0.47, 3 = 0.31, 4 = 0.55, 5 = 0.64, 6 = 0.46, 7 = 0.65, 8 = 0.90, 9 = 0.36, 10 = 0.34, 12 = 0.41, 13 = 0.34, 14 = 0.57, 15 = 0.59, 16 = 0.49, 17 = 0.42 and 18 = 0.55

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 262 lb uplift at joint 18 and 206 lb uplift at joint 9.

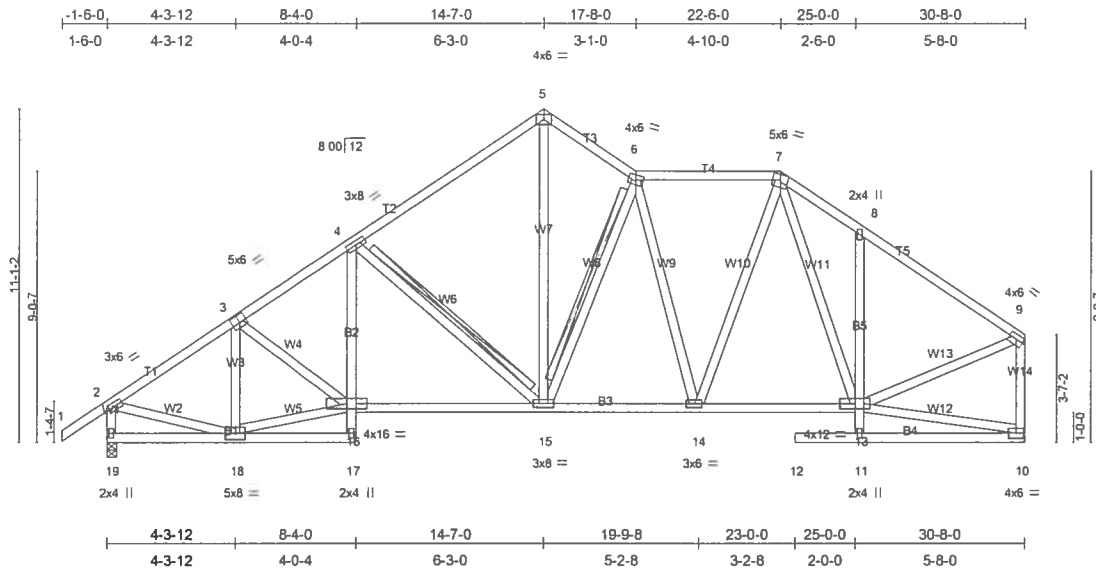
LOAD CASE(S) Standard

Job L246430	Truss T08	Truss Type SPECIAL	Qty 1	Ply 1	PRUDENTIAL BUILDERS LOT 12
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Builders FirstSource, Lake City, Fl 32055

Job Reference (optional)

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Scale = 1/4\"/>

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

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.46	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.25	Vert(LL) 0.07 15-16 >999 360		
BCLL 10.0	Lumber Increase 1.25	WB 0.78	Vert(TL) -0.13 15-16 >999 240		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.06 10 n/a n/a		
	Code FBC2004/TPI2002			Weight: 243 lb	

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing directly applied or 5-3-13 oc purlins, except end verticals.
BOT CHORD 2 X 4 SYP No.2 *Except*	Rigid ceiling directly applied or 6-0-0 oc bracing.
B2 2 X 4 SYP No.3, B5 2 X 4 SYP No.3	T-Brace: 2 X 4 SYP No.3 - 4-15, 6-15
WEBS 2 X 4 SYP No.3	Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c., with 4in minimum end distance.
	Brace must cover 90% of web length.

REACTIONS (lb/size) 19=1068/0-4-0, 10=986/Mechanical
Max Horz 19=285(load case 5)
Max Uplift 19=-261(load case 6), 10=-201(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/49, 2-3=-1138/520, 3-4=-1321/674, 4-5=-1028/592, 5-6=-955/618, 6-7=-873/556, 7-8=-940/597, 8-9=-993/471, 2-19=-1036/544, 9-10=-967/466
BOT CHORD 18-19=-293/225, 17-18=-61/67, 16-17=0/60, 4-16=-65/237, 15-16=-493/1077, 14-15=-365/943, 13-14=-277/762, 11-13=0/150, 8-13=-210/220, 11-12=0/0, 10-11=-33/8
WEBS 3-18=-428/223, 16-18=-410/856, 3-16=-28/209, 4-15=-404/321, 5-15=-464/739, 6-15=-478/312, 6-14=-268/164, 7-14=-137/331, 7-13=-108/155, 2-18=-310/855, 9-13=-299/784, 10-13=-41/66

JOINT STRESS INDEX
2 = 0.47, 3 = 0.31, 4 = 0.53, 5 = 0.56, 6 = 0.46, 7 = 0.33, 8 = 0.50, 9 = 0.73, 10 = 0.28, 11 = 0.34, 13 = 0.50, 14 = 0.44, 15 = 0.65, 16 = 0.60, 17 = 0.49, 18 = 0.42 and 19 = 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.
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 261 lb uplift at joint 19 and 201 lb uplift at joint 10.

LOAD CASE(S) Standard

Job L246430	Truss T09	Truss Type SPECIAL	Qty 1	Ply 1	PRUDENTIAL BUILDERS LOT 12
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6 300 s Apr 19 2006 MiTek Industries, Inc Tue Jul 17 14 03 52 2007 Page 1		

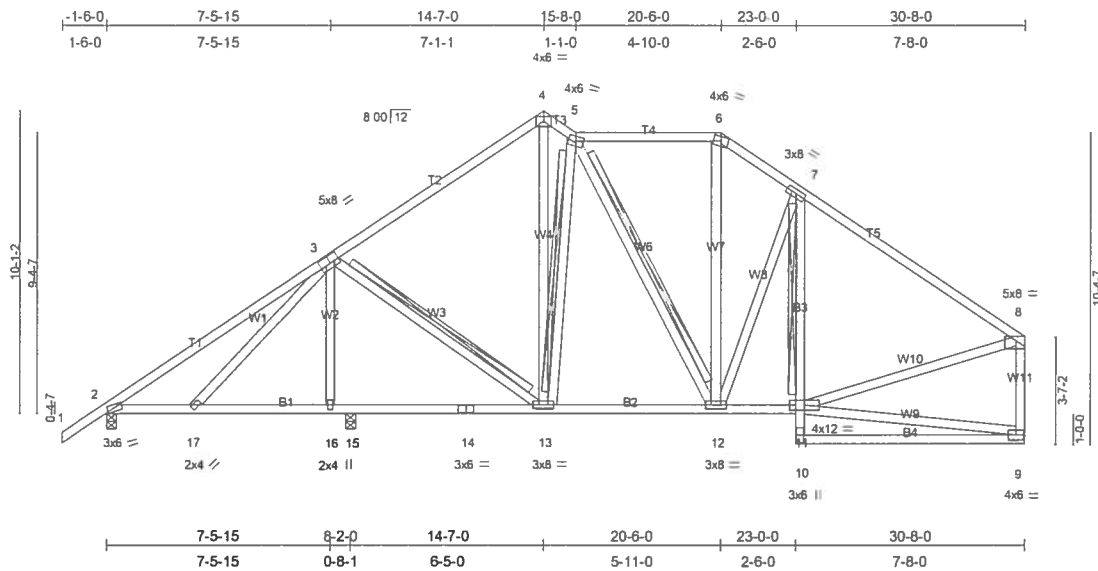


Plate Offsets (X,Y): [2:0-0-12,Edge], [3:0-3-12,0-3-0], [8:0-3-8,Edge]

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.74	Vert(LL)	0.10	16-17	>999	360	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.46	Vert(TL)	-0.10	9-10	>999	240		
BCLL 10.0	Lumber Increase 1.25	WB 0.45	Horz(TL)	0.03	9	n/a	n/a		
BCDL 5.0	Rep Stress Incr YES	(Matrix)							
	Code FBC2004/TPI2002								
								Weight: 236 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
B3 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
7-11-9 oc bracing: 2-17.
T-Brace: 2 X 4 SYP No.3 - 7-11
T-Brace: 2 X 4 SYP No.3 - 3-13, 5-13, 5-12
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c., with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS

(lb/size) 2=627/0-4-0, 9=812/Mechanical, 15=594/0-4-0
Max Horz 2=286(load case 5)
Max Uplift 2=324(load case 6), 9=204(load case 7), 15=165(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/45, 2-3=-823/733, 3-4=-726/490, 4-5=-543/484, 5-6=-557/481, 6-7=-722/556, 7-8=-846/461, 8-9=-776/437
BOT CHORD 2-17=-586/590, 16-17=-344/444, 15-16=-339/435, 14-15=-339/435, 13-14=-339/435, 12-13=-200/553, 11-12=-250/600, 10-11=0/113, 7-11=-143/99, 9-10=0/145
WEBS 3-16=-551/269, 3-13=-39/203, 4-13=-266/393, 5-13=-468/231, 5-12=-73/113, 6-12=-187/190, 7-12=-157/180, 8-11=-215/561, 9-11=-108/48, 3-17=-360/235

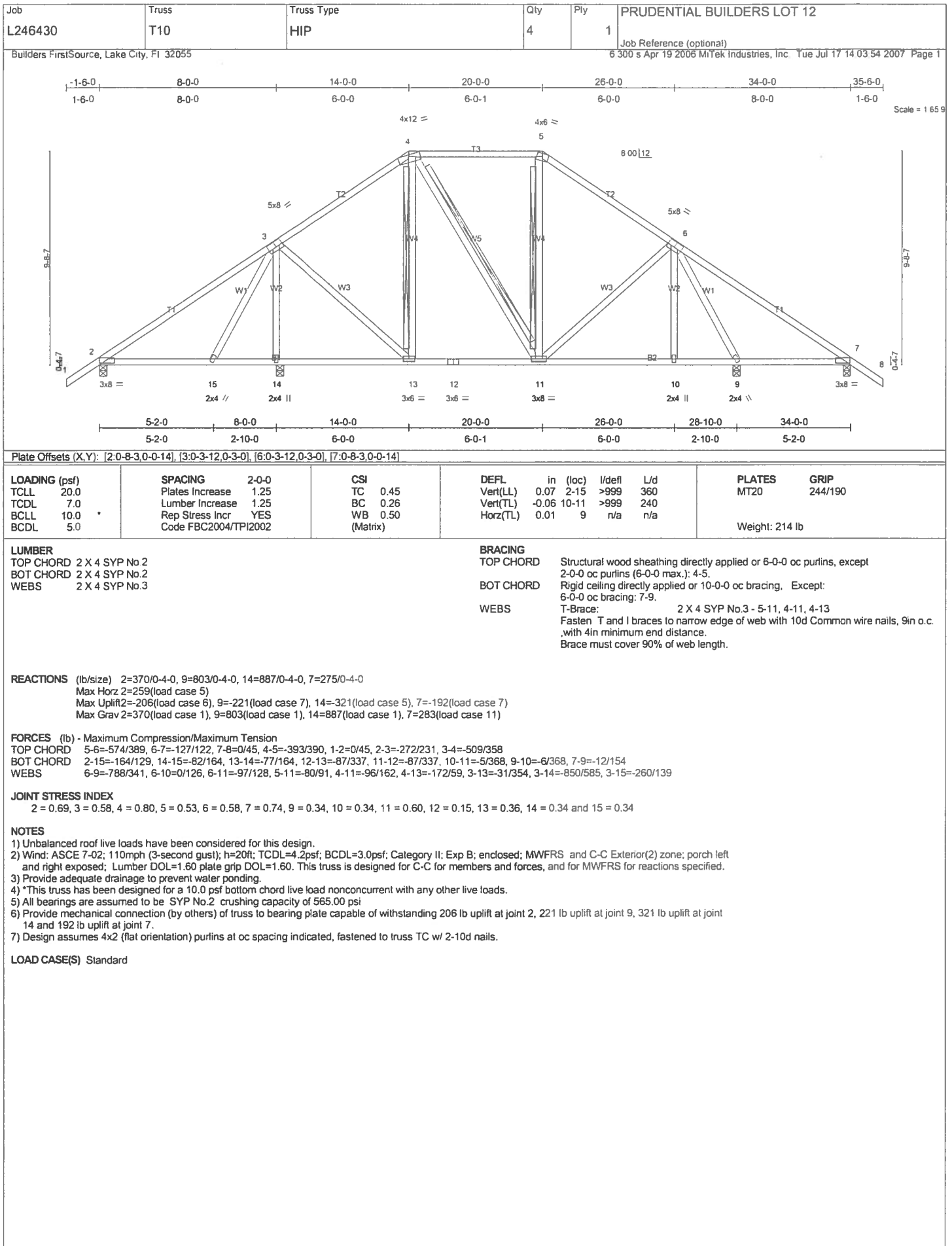
JOINT STRESS INDEX

2 = 0.86, 3 = 0.57, 4 = 0.73, 5 = 0.31, 6 = 0.29, 7 = 0.54, 8 = 0.78, 9 = 0.39, 10 = 0.47, 11 = 0.65, 12 = 0.66, 13 = 0.59, 14 = 0.17, 16 = 0.34 and 17 = 0.34

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02: 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 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.
- All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 324 lb uplift at joint 2, 204 lb uplift at joint 9 and 165 lb uplift at joint 15.

LOAD CASE(S) Standard



Job L246430	Truss T11	Truss Type MONO HIP	Qty 1	Ply 1	PRUDENTIAL BUILDERS LOT 12
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6 300 s Apr 19 2006 MiTek Industries, Inc. Tue Jul 17 14:03:55 2007 Page 1		

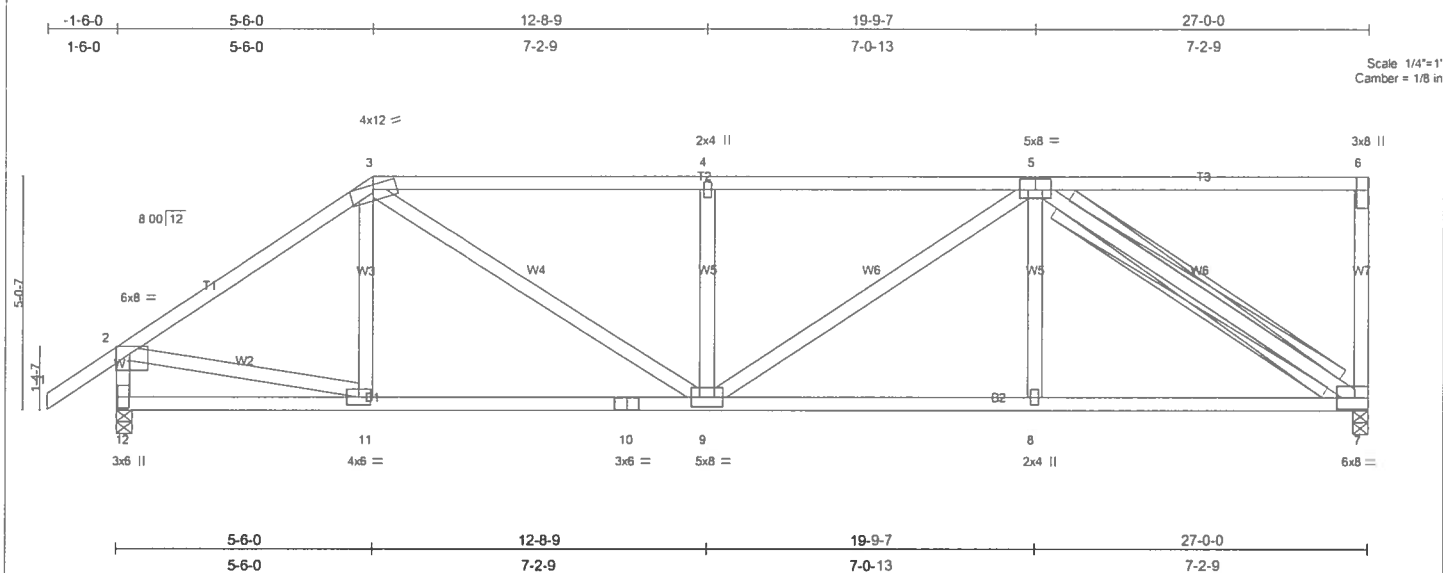


Plate Offsets (X,Y): [2:0-3-8,Edge], [5:0-4-0,0-3-0]

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.92	Vert(LL)	0.15	8-9	>999	360	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.70	Vert(TL)	-0.28	9-11	>999	240		
BCLL 10.0	Lumber Increase 1.25	WB 0.90	Horz(TL)	0.08	7	n/a	n/a		
BCDL 5.0	Rep Stress Incr NO	(Matrix)							
	Code FBC2004/TP12002								
								Weight: 157 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 *Except*
W7 2 X 4 SYP No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 2-9-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-10-1 oc bracing.
WEBS I-Brace: 2 X 4 SYP No.3 - 5-7
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.
with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS

(lb/size) 7=1894/0-4-0, 12=1988/0-4-0
Max Horz 12=437(load case 5)
Max Uplift 7=970(load case 3), 12=820(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/49, 2-3=-2320/1018, 3-4=-2777/1430, 4-5=-2777/1431, 5-6=-99/50, 6-7=-396/279, 2-12=-1928/843
BOT CHORD 11-12=-569/192, 10-11=-1001/1805, 9-10=-1001/1805, 8-9=-1127/2196, 7-8=-1127/2196
WEBS 3-11=-220/231, 3-9=-580/1162, 4-9=-859/615, 5-9=-380/699, 5-8=0/303, 5-7=-2526/1297, 2-11=-631/1644

JOINT STRESS INDEX

2 = 0.47, 3 = 0.83, 4 = 0.35, 5 = 0.83, 6 = 0.77, 7 = 0.48, 8 = 0.34, 9 = 0.54, 10 = 0.63, 11 = 0.74 and 12 = 0.36

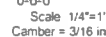
NOTES

- 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 970 lb uplift at joint 7 and 820 lb uplift at joint 12.
- 6) Girder carries hip end with 0-0-0 right side setback, 0-0-0 left side setback, and 7-0-0 end setback.
- 7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- 1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-54, 2-3=-120(F=66), 3-6=-120(F=66), 7-12=-22(F=12)

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LOAD CASE(S) Standard

Job L246430	Truss T13	Truss Type SPECIAL	Qty 1	Ply 1	PRUDENTIAL BUILDERS LOT 12
Builders FirstSource, Lake City, FL 32055					Job Reference (optional) 6.300 s Apr 19 2006 MiTek Industries, Inc Tue Jul 17 14 03:56 2007 Page 1

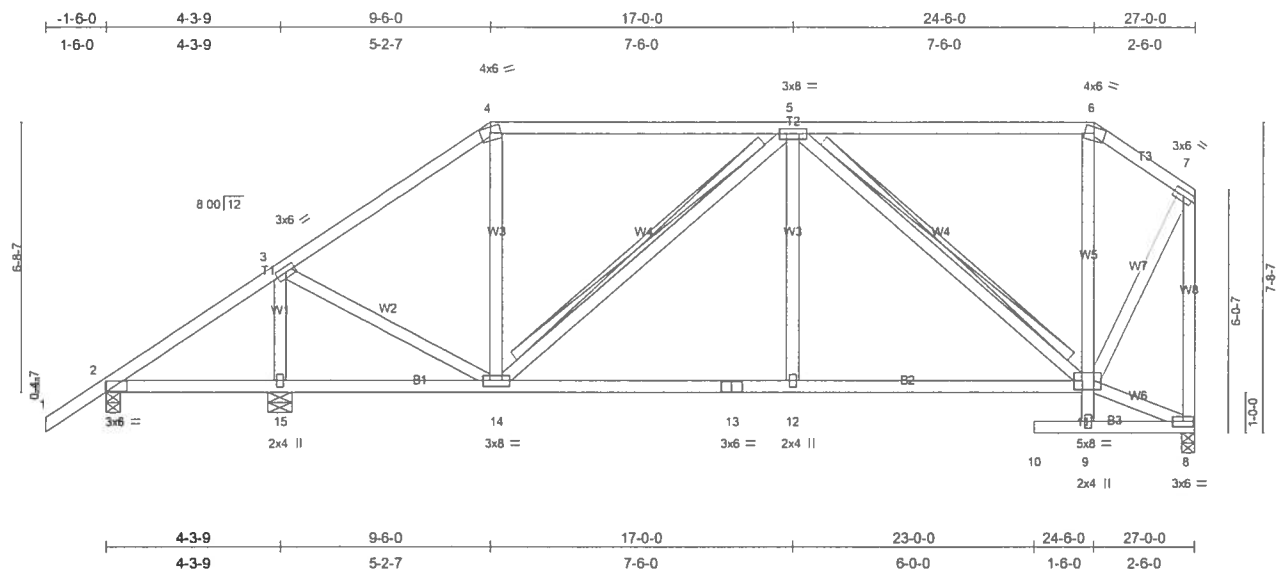


Plate Offsets (X,Y): [2:0-3-9,0-1-8], [11:0-2-8,0-2-8]

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.56	Ver(LL)	-0.08	11-12	>999	360	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.40	Ver(TL)	-0.15	11-12	>999	240		
BCLL 10.0	Lumber Increase 1.25	WB 0.28	Horz(TL)	0.02	8	n/a	n/a		
BCDL 5.0	Rep Stress Incr YES	(Matrix)							
	Code FBC2004/TPI2002								
								Weight: 178 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.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 5-14, 5-11
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c., with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS

(lb/size) 2=183/0-4-0, 15=906/0-7-3, 8=722/0-4-0
Max Horz 2=221(load case 6)
Max Uplift 2=106(load case 6), 15=358(load case 5), 8=198(load case 4)
Max Grav 2=185(load case 10), 15=906(load case 1), 8=722(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/45, 2-3=-154/118, 3-4=-626/292, 4-5=-464/312, 5-6=-285/206, 6-7=-339/184, 7-8=-707/360
BOT CHORD 2-15=-67/53, 14-15=-67/53, 13-14=-334/664, 12-13=-334/664, 11-12=-334/664, 9-10=0/0, 8-9=-1/18
WEBS 3-15=-853/518, 3-14=-239/578, 4-14=-43/118, 5-14=-312/150, 5-12=0/252, 5-11=-517/264, 9-11=0/88, 6-11=-144/121, 7-11=-297/605, 8-11=-18/4

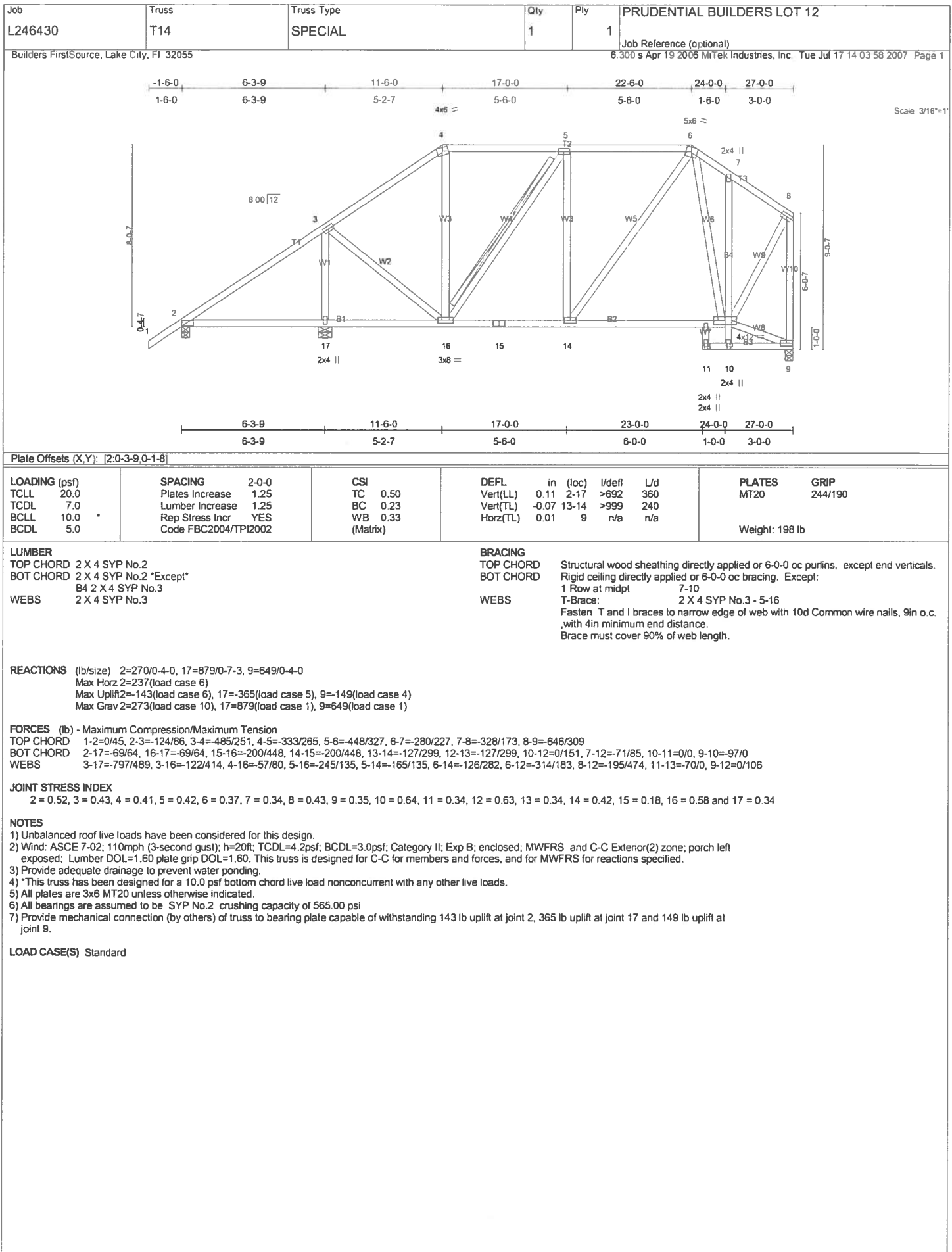
JOINT STRESS INDEX

2 = 0.46, 3 = 0.43, 4 = 0.67, 5 = 0.57, 6 = 0.59, 7 = 0.48, 8 = 0.35, 9 = 0.34, 11 = 0.36, 12 = 0.34, 13 = 0.23, 14 = 0.57 and 15 = 0.34

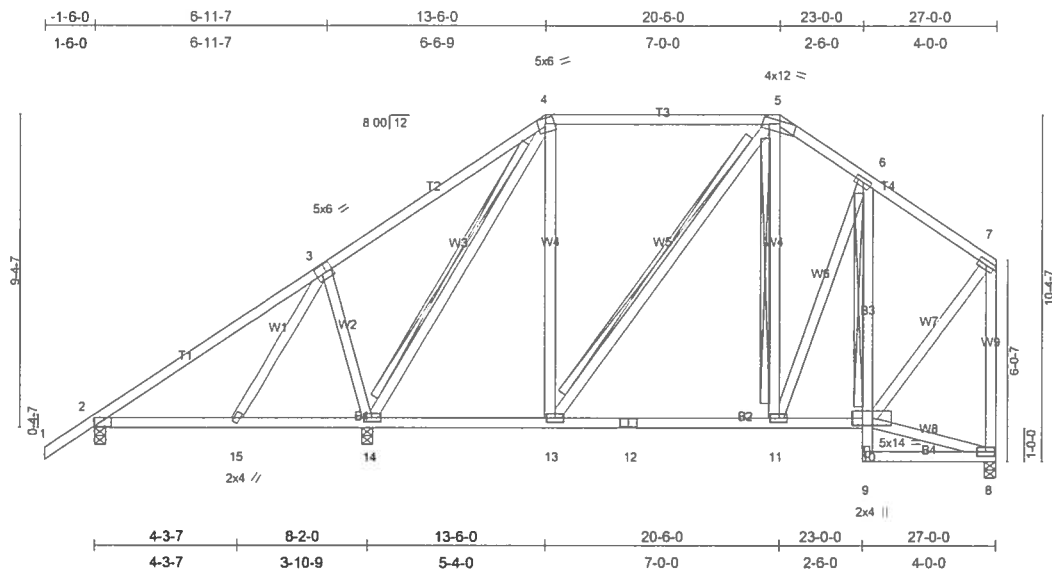
NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 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.
- All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 106 lb uplift at joint 2, 358 lb uplift at joint 15 and 198 lb uplift at joint 8.

LOAD CASE(S) Standard



Job L246430	Truss T15	Truss Type SPECIAL	Qty 1	Ply 1	PRUDENTIAL BUILDERS LOT 12
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6 300 s Apr 19 2006 MiTek Industries, Inc. Tue Jul 17 14 03 59 2007 Page 1		



Scale = 1/8" = 1'-0"

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

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.47	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.20	Vert(LL) -0.04 11-13 >999 360		
BCLL 10.0	Lumber Increase 1.25	WB 0.34	Vert(TL) -0.07 11-13 >999 240		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.01 8 n/a n/a		
	Code FBC2004/TPI2002			Weight: 207 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
B3 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
T-Brace: 2 X 4 SYP No.3 - 6-10
T-Brace: 2 X 4 SYP No.3 - 4-14, 5-13, 5-11
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c., with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS

(lb/size) 2=353/0-4-0, 14=850/0-4-0, 8=595/0-4-0
Max Horz 2=263(load case 5)
Max Uplift 2=-151(load case 6), 14=-384(load case 5), 8=-97(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/45, 2-3=-270/130, 3-4=-101/100, 4-5=-276/242, 5-6=-367/265, 6-7=-354/183, 7-8=-573/269
BOT CHORD 2-15=-170/141, 14-15=-88/100, 13-14=-86/274, 12-13=-82/296, 11-12=-82/296, 10-11=-90/245, 9-10=0/59, 6-10=-288/124, 8-9=0/46
WEBS 3-15=-258/151, 3-14=-355/451, 4-14=-540/279, 4-13=-29/213, 5-13=-81/92, 5-11=-124/132, 6-11=-104/195, 8-10=-41/5, 7-10=-140/389

JOINT STRESS INDEX

2 = 0.64, 3 = 0.59, 4 = 0.79, 5 = 0.96, 6 = 0.44, 7 = 0.43, 8 = 0.35, 9 = 0.40, 10 = 0.24, 11 = 0.50, 12 = 0.20, 13 = 0.41, 14 = 0.40 and 15 = 0.34

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 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.
- All plates are 3x6 MT20 unless otherwise indicated.
- All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 151 lb uplift at joint 2, 384 lb uplift at joint 14 and 97 lb uplift at joint 8.

LOAD CASE(S) Standard

Job L246430	Truss T16	Truss Type SPECIAL	Qty 1	Ply 1	PRUDENTIAL BUILDERS LOT 12
Builders FirstSource, Lake City, Fl 32055					Job Reference (optional) 6 300 s Apr 19 2006 MiTek Industries, Inc. Tue Jul 17 14 04:00 2007 Page 1

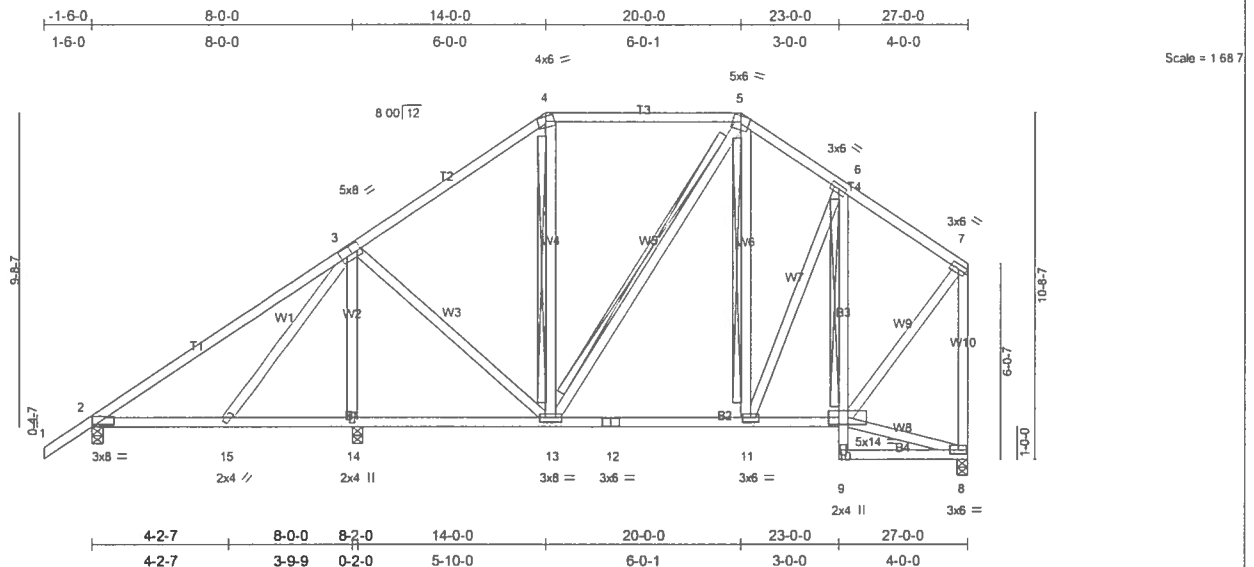


Plate Offsets (X,Y): [2:0-8-3,0-0-14], [3:0-3-12,0-3-0]					
LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.47	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.28	Ver(LL) 0.04 2-15 >999 360		
BCLL 10.0	Lumber Increase 1.25	WB 0.42	Ver(TL) -0.04 11-13 >999 240		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.01 8 n/a n/a		
	Code FBC2004/TPI2002			Weight: 207 lb	

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-5.
BOT CHORD 2 X 4 SYP No.2 *Except*	Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
B3 2 X 4 SYP No.3	6-0-0 oc bracing: 14-15,13-14.
WEBS 2 X 4 SYP No.3	T-Brace: 2 X 4 SYP No.3 - 6-10
	T-Brace: 2 X 4 SYP No.3 - 4-13, 5-13, 5-11
	Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c. with 4in minimum end distance.
	Brace must cover 90% of web length.

REACTIONS (lb/size)	2=347/0-4-0, 14=849/0-4-0, 8=602/0-4-0
Max Horz 2=272(load case 5)	
Max Uplift 2=168(load case 6), 14=347(load case 5), 8=102(load case 7)	
Max Grav 2=352(load case 10), 14=849(load case 1), 8=602(load case 1)	

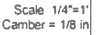
FORCES (lb) - Maximum Compression/Maximum Tension	
TOP CHORD 1-2=0/45, 2-3=265/140, 3-4=440/247, 4-5=281/271, 5-6=385/288, 6-7=359/191, 7-8=580/283	
BOT CHORD 2-15=185/122, 14-15=72/95, 13-14=67/96, 12-13=85/294, 11-12=85/294, 10-11=99/251, 9-10=0/59, 6-10=289/139, 8-9=0/37	
WEBS 3-15=303/154, 3-14=805/638, 3-13=99/324, 4-13=149/117, 5-13=83/95, 5-11=96/115, 6-11=93/157, 7-10=154/398, 8-10=32/4	

JOINT STRESS INDEX	
2 = 0.77, 3 = 0.56, 4 = 0.56, 5 = 0.34, 6 = 0.43, 7 = 0.43, 8 = 0.35, 9 = 0.39, 10 = 0.24, 11 = 0.49, 12 = 0.15, 13 = 0.59, 14 = 0.36 and 15 = 0.34	

NOTES	
1) Unbalanced roof live loads have been considered for this design.	
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.	
3) Provide adequate drainage to prevent water ponding.	
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.	
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi	
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 168 lb uplift at joint 2, 347 lb uplift at joint 14 and 102 lb uplift at joint 8.	
7) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.	

LOAD CASE(S) Standard	
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Weight: 107 lb

BRACING	
TOP CHORD	Structural wood sheathing directly applied or 5-6-6 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/45, 2-3=-1250/546, 3-4=-1121/602, 4-5=-1121/602, 5-6=-1250/546, 6-7=0/45
 BOT CHORD 2-10=-293/959, 9-10=-87/661, 8-9=-87/661, 6-8=-293/959
 WEBS 3-10=-217/214, 4-10=-263/505, 5-8=-263/505, 5-8=-217/214

JOINT STRESS INDEX
2 = 0.65, 3 = 0.34, 4 = 0.50, 5 = 0.34, 6 = 0.65, 8 = 0.46, 9 = 0.42 and 10 = 0.46

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDF=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 255 lb uplift at joint 2 and 255 lb uplift at joint 6.
- 6) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-7=-54, 2-10=-10, 8-10=-60(F=50), 6-8=-10

Job L246430	Truss T17G	Truss Type GABLE	Qty 1	Ply 1	PRUDENTIAL BUILDERS LOT 12
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6 300 s Apr 19 2006 MiTek Industries, Inc Tue Jul 17 14 04 02 2007 Page 1		

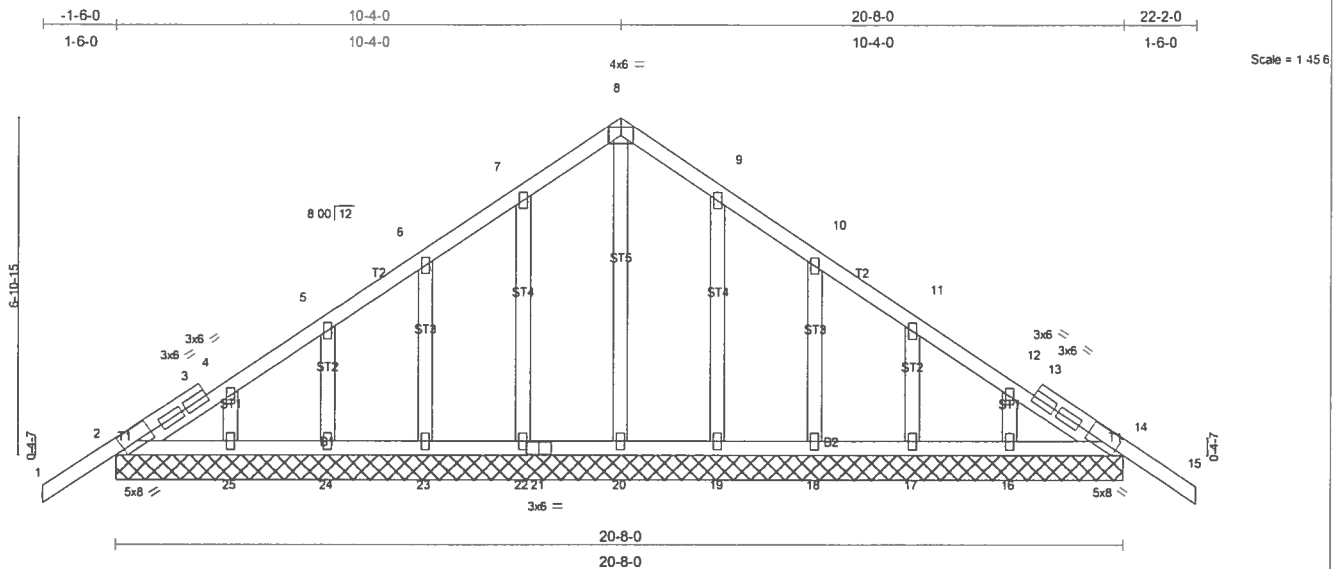


Plate Offsets (X,Y): [2:0-4-5,0-1-12], [14:0-4-5,0-1-12]

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.22	Vert(LL) -0.01	15	n/r	120		MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.04	Vert(TL) -0.02	15	n/r	90			
BCLL 10.0	Rep Stress Incr NO	WB 0.11	Horz(TL) 0.01	14	n/a	n/a			
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)							
									Weight: 123 lb

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

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

REACTIONS (lb/size) 2=289/20-8-0, 14=289/20-8-0, 20=160/20-8-0, 22=193/20-8-0, 23=193/20-8-0, 24=200/20-8-0, 25=177/20-8-0, 19=193/20-8-0, 18=193/20-8-0, 17=200/20-8-0, 16=177/20-8-0
Max Horz 2=234(load case 5)
Max Uplift 2=121(load case 6), 14=143(load case 7), 22=115(load case 6), 23=124(load case 6), 24=133(load case 6), 25=69(load case 7), 19=112(load case 7), 18=125(load case 7), 17=132(load case 7), 16=68(load case 7)
Max Grav 2=289(load case 1), 14=289(load case 1), 20=160(load case 1), 22=198(load case 10), 23=193(load case 1), 24=200(load case 10), 25=177(load case 1), 19=198(load case 11), 18=193(load case 1), 17=200(load case 11), 16=177(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=5/70, 2-3=180/141, 3-4=179/144, 4-5=148/140, 5-6=96/134, 6-7=80/158, 7-8=79/203, 8-9=79/203, 9-10=80/141, 10-11=80/69, 11-12=78/50, 12-13=95/61, 13-14=96/57, 14-15=5/70
BOT CHORD 2-25=32/172, 24-25=32/172, 23-24=32/172, 22-23=32/172, 21-22=32/172, 20-21=32/172, 19-20=32/172, 18-19=32/172, 17-18=32/172, 16-17=32/172, 14-16=32/172
WEBS 8-20=140/6, 7-22=178/127, 6-23=173/143, 5-24=179/145, 4-25=162/97, 9-19=178/126, 10-18=173/143, 11-17=179/145, 12-16=162/97

JOINT STRESS INDEX

2 = 0.41, 3 = 0.00, 3 = 0.19, 4 = 0.34, 5 = 0.34, 6 = 0.34, 7 = 0.34, 8 = 0.28, 9 = 0.34, 10 = 0.34, 11 = 0.34, 12 = 0.34, 13 = 0.00, 13 = 0.19, 13 = 0.19, 14 = 0.41, 16 = 0.34, 17 = 0.34, 18 = 0.34, 19 = 0.34, 20 = 0.34, 21 = 0.15, 22 = 0.34, 23 = 0.34, 24 = 0.34 and 25 = 0.34

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS 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.
- 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"
- *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2-0-0 oc.
- All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 121 lb uplift at joint 2, 143 lb uplift at joint 14, 115 lb uplift at joint 22, 124 lb uplift at joint 23, 133 lb uplift at joint 24, 69 lb uplift at joint 25, 112 lb uplift at joint 19, 125 lb uplift at joint 18, 132 lb uplift at joint 17 and 68 lb uplift at joint 16.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

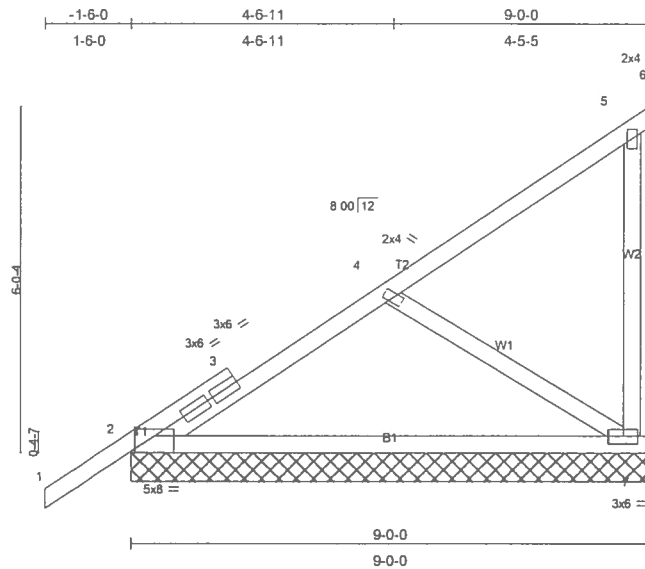
LOAD CASE(S) Standard

- Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-8=87(F=-33), 8-15=87(F=-33), 2-14=10

Job L246430	Truss T18G	Truss Type MONO TRUSS	Qty 1	Ply 1	PRUDENTIAL BUILDERS LOT 12
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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Scale = 1/8\"

Plate Offsets (X,Y): [2.0-4.0,0.3-7]

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.47	Vert(LL)	0.02	1	n/r	120	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.29	Vert(TL)	0.04	1	n/r	90		
BCLL 10.0	Lumber Increase 1.25	WB 0.18	Horz(TL)	-0.01	6	n/a	n/a		
BCDL 5.0	Rep Stress Incr NO	(Matrix)							
	Code FBC2004/TPI2002								
								Weight: 50 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.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS

(lb/size) 2=559/9-0-0, 6=-138/9-0-0, 7=579/9-0-0
Max Horz 2=324(load case 6)
Max Uplift 2=195(load case 6), 6=-138(load case 1), 7=-446(load case 6)
Max Grav 2=559(load case 1), 6=174(load case 6), 7=579(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-77/0, 2-3=-501/66, 3-4=-426/53, 4-5=-136/71, 5-6=-90/110, 5-7=-319/377
BOT CHORD 2-7=-260/364
WEBS 4-7=-406/304

JOINT STRESS INDEX

2 = 0.76, 3 = 0.00, 3 = 0.30, 3 = 0.30, 4 = 0.16, 5 = 0.56 and 7 = 0.60

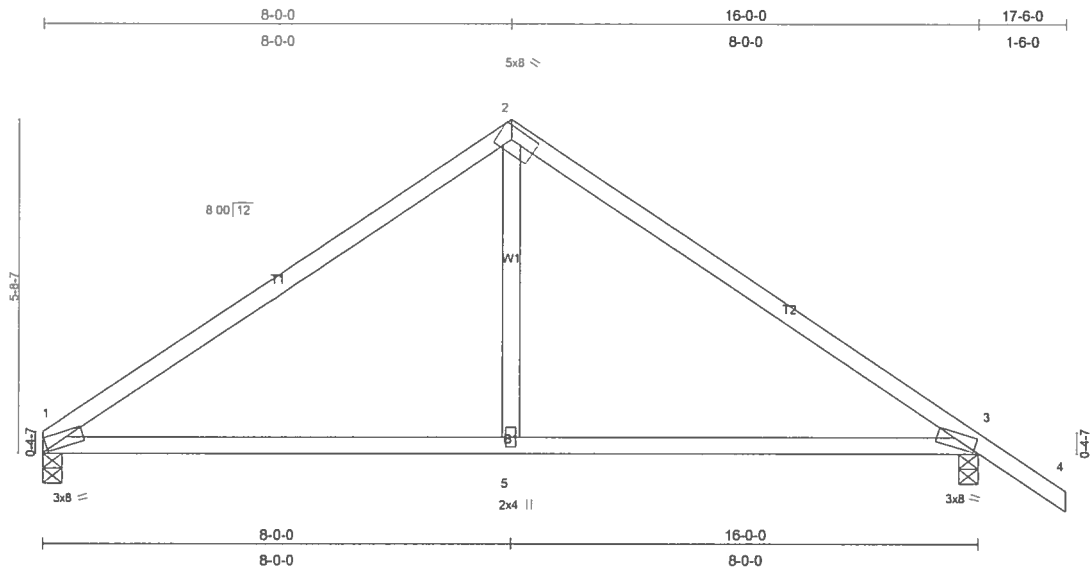
NOTES

- 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) Gable requires continuous bottom chord bearing.
- 4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 5) Bearing at joint(s) 6 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 195 lb uplift at joint 2, 138 lb uplift at joint 6 and 446 lb uplift at joint 7.
- 7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- 1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-87(F=-33), 5-6=-87(F=-33), 2-7=-10

Job L246430	Truss T19	Truss Type COMMON	Qty 2	Ply 1	PRUDENTIAL BUILDERS LOT 12
Builders FirstSource, Lake City, FL 32055					Job Reference (optional) 6 300 s Apr 19 2006 MiTek Industries, Inc Tue Jul 17 14 04 05 2007 Page 1



Scale = 1/32" = 1'-0"
Camber = 1/16" in

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

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2'-0"	TC 0.44	Vert(LL)	-0.10	1-5	>999	360	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.35	Vert(TL)	-0.18	1-5	>999	240		
BCLL 10.0	Lumber Increase 1.25	WB 0.09	Horz(TL)	0.01	3	n/a	n/a		
BCDL 5.0	Rep Stress Incr YES	(Matrix)							
	Code FBC2004/TPI2002								
								Weight: 63 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" oc purlins.
BOT CHORD Rigid ceiling directly applied or 10'-0" oc bracing.

REACTIONS (lb/size) 1=497/0-4-0, 3=596/0-4-0
Max Horz 1=167(load case 4)
Max Uplift 1=104(load case 6), 3=180(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-643/280, 2-3=-646/283, 3-4=0/45
BOT CHORD 1-5=-48/444, 3-5=-48/444
WEBS 2-5=0/279

JOINT STRESS INDEX
1 = 0.85, 2 = 0.96, 3 = 0.85 and 5 = 0.20

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 104 lb uplift at joint 1 and 180 lb uplift at joint 3.

LOAD CASE(S) Standard

Job L246430	Truss T19G	Truss Type GABLE	Qty 1	Ply 1	PRUDENTIAL BUILDERS LOT 12
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6 300 s Apr 19 2006 MiTek Industries, Inc. Tue Jul 17 14:04:06 2007 Page 1		

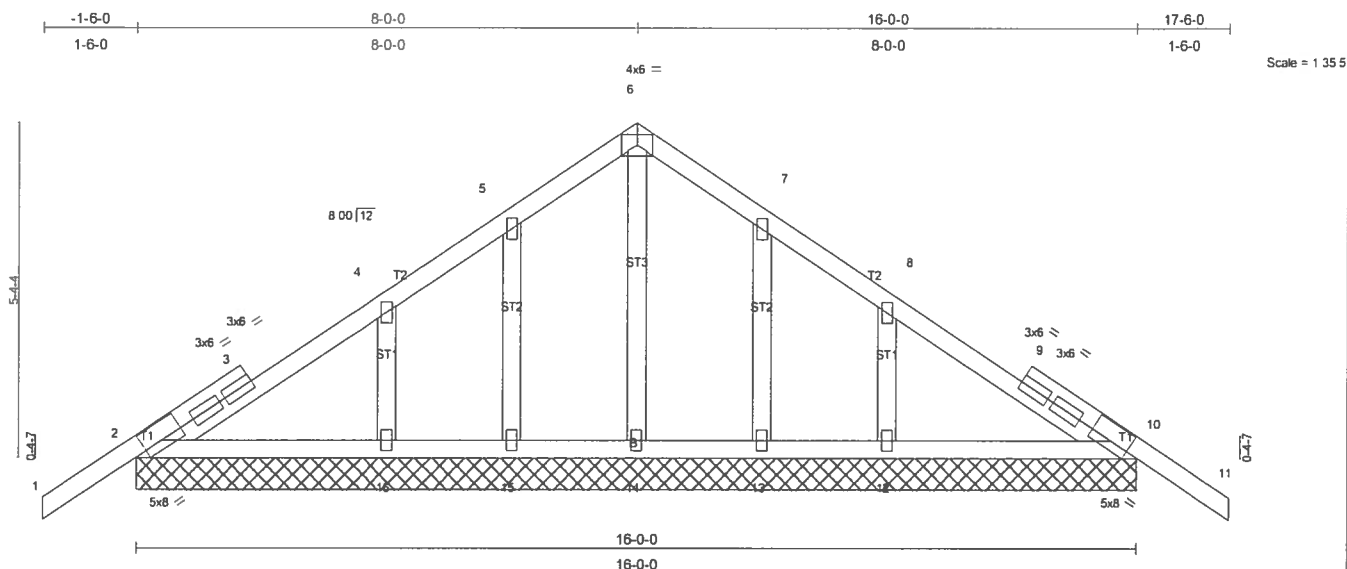


Plate Offsets (X,Y): [2:0-4-5:0-1-12], [10:0-4-5:0-1-12]

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.22	Vert(LL)	-0.00	11	n/r	120	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.08	Vert(TL)	-0.00	11	n/r	90		
BCLL 10.0	Lumber Increase 1.25	WB 0.11	Horz(TL)	0.00	10	n/a	n/a		
BCDL 5.0	Rep Stress Incr NO	(Matrix)							
	Code FBC2004/TP12002							Weight: 87 lb	

LUMBER

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

BRACING

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

REACTIONS

(lb/size) 2=302/16-0-0, 10=302/16-0-0, 14=264/16-0-0, 15=142/16-0-0, 16=330/16-0-0, 13=142/16-0-0, 12=330/16-0-0
Max Horz 2=180(load case 4)
Max Uplift 2=144(load case 6), 10=162(load case 7), 14=264(load case 5), 15=102(load case 6), 16=174(load case 6), 13=98(load case 7), 12=179(load case 7)
Max Grav 2=306(load case 10), 10=306(load case 11), 14=264(load case 1), 15=147(load case 10), 16=331(load case 10), 13=147(load case 11), 12=331(load case 11)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=6/70, 2-3=124/101, 3-4=120/136, 4-5=51/93, 5-6=11/119, 6-7=11/119, 7-8=29/77, 8-9=58/136, 9-10=61/38, 10-11=6/70
BOT CHORD 2-16=38/169, 15-16=38/169, 14-15=38/169, 13-14=38/169, 12-13=38/169, 10-12=38/169
WEBS 6-14=237/16, 5-15=142/113, 4-16=280/204, 7-13=142/112, 8-12=280/204

JOINT STRESS INDEX

2 = 0.50, 3 = 0.00, 3 = 0.27, 3 = 0.27, 4 = 0.14, 5 = 0.07, 6 = 0.15, 7 = 0.07, 8 = 0.14, 9 = 0.00, 9 = 0.27, 9 = 0.27, 10 = 0.50, 12 = 0.12, 13 = 0.06, 14 = 0.09, 15 = 0.06 and 16 = 0.12

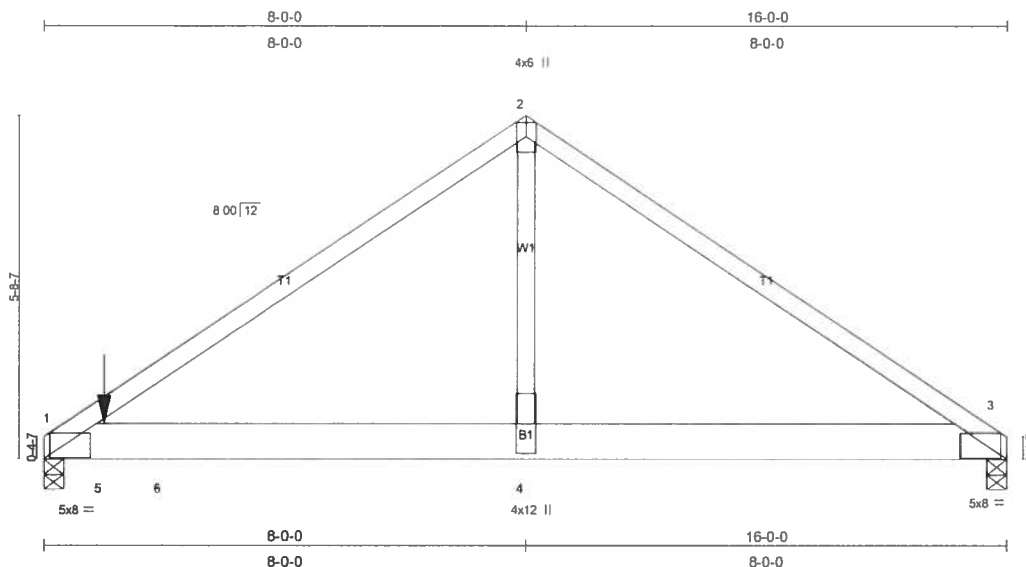
NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCCL=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.
- 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"
- *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2-0-0 oc.
- All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 144 lb uplift at joint 2, 162 lb uplift at joint 10, 2 lb uplift at joint 14, 102 lb uplift at joint 15, 174 lb uplift at joint 16, 98 lb uplift at joint 13 and 179 lb uplift at joint 12.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-6=87(F=33), 6-11=87(F=33), 2-10=10

Job L246430	Truss T20	Truss Type COMMON	Qty 1	Ply 2	PRUDENTIAL BUILDERS LOT 12
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6 300 s Apr 19 2006 MiTek Industries, Inc Tue Jul 17 14:04:07 2007 Page 1		



Scale = 1/32"
Camber = 1/16"

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

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.43	Vert(LL)	0.12	1-4	>999	360	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.58	Vert(TL)	-0.20	1-4	>953	240		
BCLL 10.0	Lumber Increase 1.25	WB 0.74	Horz(TL)	0.02	3	n/a	n/a		
BCDL 5.0	Rep Stress Incr NO	(Matrix)							
	Code FBC2004/TP12002								
								Weight: 171 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 8 SYP 2400F 2.0E
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-10-6 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=5105/0-4-0, 3=4107/0-4-0
Max Horz 1=145(load case 5)
Max Uplift 1=1946(load case 6), 3=1820(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-4666/2239, 2-3=-4694/2240
BOT CHORD 1-5=-1743/3825, 5-6=-1743/3825, 4-6=-1743/3825, 3-4=-1743/3825
WEBS 2-4=-2156/4595

JOINT STRESS INDEX
1 = 0.65, 2 = 0.72, 3 = 0.65 and 4 = 0.56

NOTES

- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2 X 8 - 2 rows at 0-3-0 oc.
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
- All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS 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.
- All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1946 lb uplift at joint 1 and 1820 lb uplift at joint 3.
- Girder carries tie-in span(s): 30-8-0 from 2-0-0 to 16-0-0
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1938 lb down and 898 lb up at 1-0-0 on bottom chord.
The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

- Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-54, 2-3=-54, 1-6=-10, 3-6=-463(F=-453)
Concentrated Loads (lb)
Vert: 5=-1938(F)

Job L246430	Truss T21	Truss Type HIP	Qty 1	Ply 1	PRUDENTIAL BUILDERS LOT 12
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6 300 s Apr 19 2006 MiTek Industries, Inc Tue Jul 17 14 04 08 2007 Page 1		

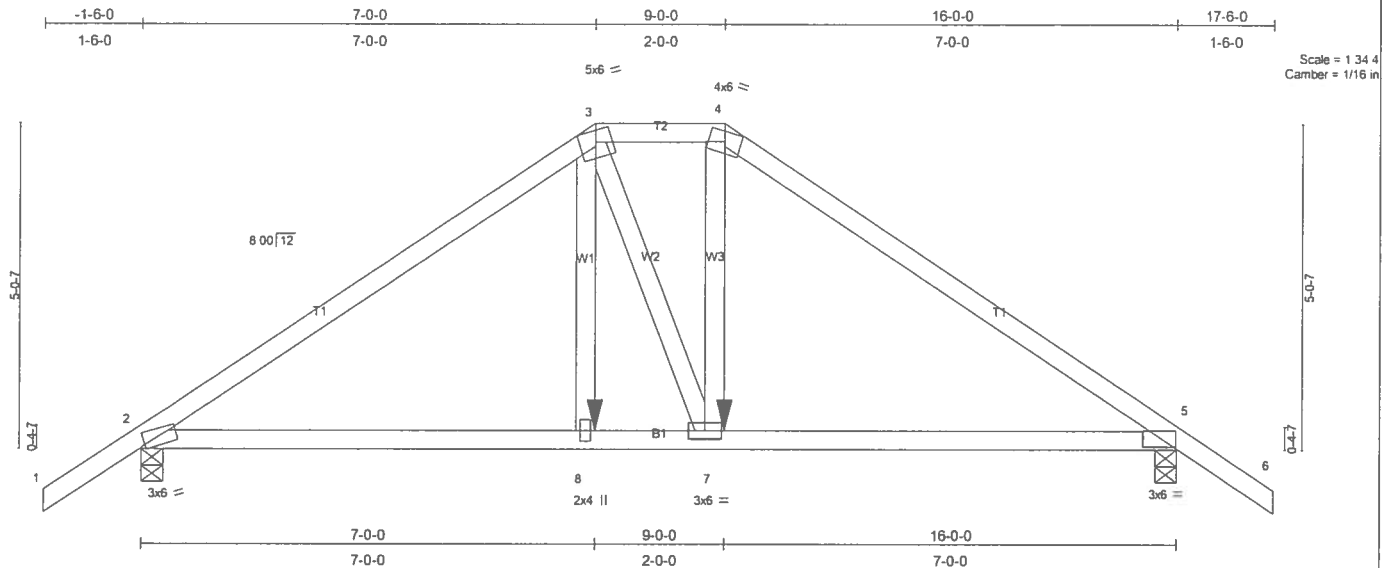


Plate Offsets (X,Y): [2:0-0-12,Edge], [5:0-6-3,0-0-6]					
LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc) l/defl L/d
TCLL 20.0	Plates Increase	1.25	TC 0.43	Vert(LL)	-0.06 5-7 >999 360
TCDL 7.0	Lumber Increase	1.25	BC 0.38	Vert(TL)	-0.13 5-7 >999 240
BCLL 10.0	Rep Stress Incr	NO	WB 0.19	Horz(TL)	0.03 5 n/a n/a
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)		
					Weight: 78 lb

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing directly applied or 4-9-2 oc purlins.
BOT CHORD 2 X 4 SYP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2 X 4 SYP No.3	

REACTIONS (lb/size) 2=1088/0-4-0, 5=1072/0-4-0
Max Horz 2=130(load case 4)
Max Uplift 2=356(load case 5), 5=351(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-1512/429, 3-4=-1152/404, 4-5=-1484/421, 5-6=0/45
BOT CHORD 2-8=-334/1159, 7-8=-330/1144, 5-7=-271/1137
WEBS 3-8=-146/489, 3-7=-179/175, 4-7=-250/593

JOINT STRESS INDEX
2 = 0.73, 3 = 0.51, 4 = 0.68, 5 = 0.73, 7 = 0.39 and 8 = 0.36

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS; Lumber DOL=1.60 plate grip DOL=1.60.
 - 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.
 - All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 356 lb uplift at joint 2 and 351 lb uplift at joint 5.
 - Girder carries hip end with 7-0-0 end setback.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 411 lb down and 150 lb up at 9-0-0, and 411 lb down and 150 lb up at 7-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - 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=-120(F=-66), 4-6=-54, 2-8=-10, 7-8=-22(F=-12), 5-7=-10
Concentrated Loads (lb)
Vert: 8=411(F) 7=411(F)

ASCE 7-02: 130 MPH WIND SPEED, 15' MEAN HEIGHT, ENCLOSED, I = 1.00, EXPOSURE C

MAX GABLE VERTICAL LENGTH		2X4 CABLE VERTICAL SPACING		BRACE GRADE		NO BRACES		(1) 2X4 "L" BRACE		(2) 2X4 "L" BRACE		(1) 2X6 "L" BRACE		(2) 2X6 "L" BRACE	
SPACING	SPECIES	BRACE		GRADE		BRACES		GROUP A		GROUP B		GROUP A		GROUP B	
		#1 / #2	#3	#1 / #2	#3	#1 / #2	#3	6' 10"	6' 0"	6' 11"	7' 1"	6' 11"	6' 0"	6' 11"	7' 1"
12" O.C.	SPF	STUD		STUD		STUD		4' 11"	4' 11"	4' 11"	4' 11"	4' 11"	4' 11"	4' 11"	4' 11"
	HF	STUD		STUD		STUD		4' 11"	4' 11"	4' 11"	4' 11"	4' 11"	4' 11"	4' 11"	4' 11"
	SP	STUD		STUD		STUD		4' 11"	4' 11"	4' 11"	4' 11"	4' 11"	4' 11"	4' 11"	4' 11"
	DFL	STUD		STUD		STUD		4' 11"	4' 11"	4' 11"	4' 11"	4' 11"	4' 11"	4' 11"	4' 11"
16" O.C.	SPF	STUD		STUD		STUD		4' 11"	4' 11"	4' 11"	4' 11"	4' 11"	4' 11"	4' 11"	4' 11"
	HF	STUD		STUD		STUD		4' 11"	4' 11"	4' 11"	4' 11"	4' 11"	4' 11"	4' 11"	4' 11"
	SP	STUD		STUD		STUD		4' 11"	4' 11"	4' 11"	4' 11"	4' 11"	4' 11"	4' 11"	4' 11"
	DFL	STUD		STUD		STUD		4' 11"	4' 11"	4' 11"	4' 11"	4' 11"	4' 11"	4' 11"	4' 11"
24" O.C.	SPF	STUD		STUD		STUD		4' 11"	4' 11"	4' 11"	4' 11"	4' 11"	4' 11"	4' 11"	4' 11"
	HF	STUD		STUD		STUD		4' 11"	4' 11"	4' 11"	4' 11"	4' 11"	4' 11"	4' 11"	4' 11"
	SP	STUD		STUD		STUD		4' 11"	4' 11"	4' 11"	4' 11"	4' 11"	4' 11"	4' 11"	4' 11"
	DFL	STUD		STUD		STUD		4' 11"	4' 11"	4' 11"	4' 11"	4' 11"	4' 11"	4' 11"	4' 11"

BRACING GROUP SPECIES AND GRADES:

GROUP A:

SPRUCE-PINE-FIR	HEM-FIR
#1 / #2	STUD
#3	STANDARD

DOUGLAS FIR-LARCH

#1	STUD
#2	STANDARD

GROUP B:

HEM-FIR	DOUGLAS FIR-LARCH
#1 & #2	#1
	#2

CABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

PROVIDE UPLIFT CONNECTIONS FOR 136 PLF OVER CONTIGUOUS BEARING (6 PSF 4C DEAD LOAD).

CABLE END SUPPORTS LOAD FROM 4' 0"

OUTLOOKERS WITH 2' 0" OVERHANG, OR 12" PLYWOOD OVERHANG.

ATTACH EACH "L" BRACE WITH 10d NAILS.

** FOR (1) "L" BRACE, SPACE NAILS AT 8" O.C. IN 18" END ZONES AND 4" O.C. BETWEEN ZONES.

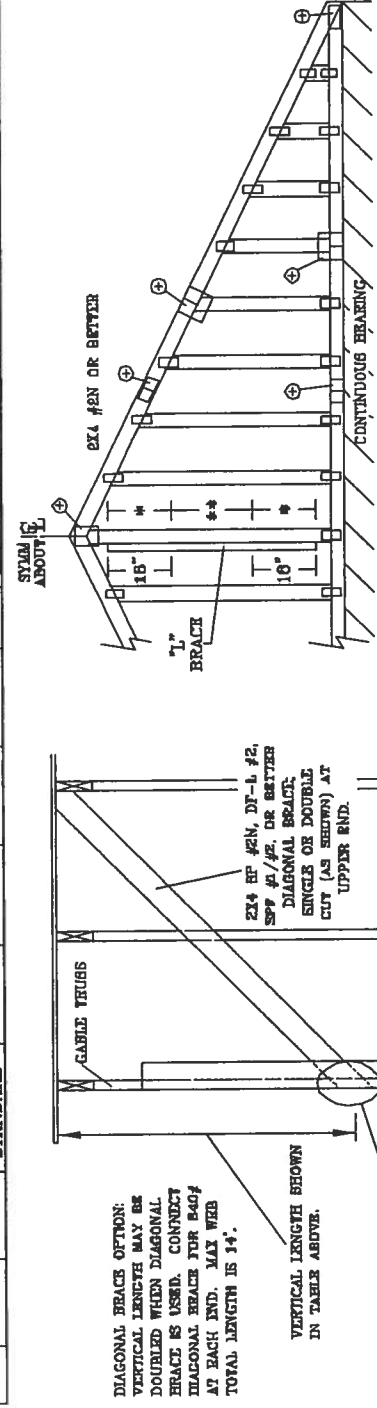
** FOR (2) "L" BRACES, SPACE NAILS AT 8" O.C. IN 18" END ZONES AND 4" O.C. BETWEEN ZONES.

"L" BRACING MUST BE A MINIMUM OF 80% OF WEB MEMBER LENGTH.

CABLE VERTICAL PLATE SIZES

VERTICAL LENGTH	NO BRACE
LESS THAN 4' 0"	1X4 OR 2X3
GREATER THAN 4' 0", BUT LESS THAN 11' 8"	2X4
GREATER THAN 11' 8"	2X6

+ REFER TO COMMON TRUSS DESIGN FOR PEAK, SPRUCE, AND HEEL PLATES.



REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.

JULIUS LEE'S
CONS. ENGINEERS P.A.

1456 SW 4th AVENUE
MELBOURNE, FL 32904-2161

WARNING: TRUSSES REQUIRE EXTENSIVE CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND MAINTAINING. TRUSSES MUST BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH THE TRUSS MANUFACTURER'S INSTRUCTIONS. THE TRUSS MANUFACTURER'S INSTRUCTIONS MUST BE FOLLOWED AT ALL TIMES. THE TRUSS MANUFACTURER'S INSTRUCTIONS MUST BE FOLLOWED AT ALL TIMES. THE TRUSS MANUFACTURER'S INSTRUCTIONS MUST BE FOLLOWED AT ALL TIMES.

REF ASCE7-02-CAB13015

DATE 11/26/03

DRWG AFTER STD GABLE 16 E ET

-ENG

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

No. 34869
STATE OF FLORIDA

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

MAX CABLE VERTICAL LENGTH		BRACE		NO BRACES		(1) 1X4 "L" BRACE *		(2) 2X4 "L" BRACE *		(1) 2X6 "L" BRACE **		(2) 2X8 "L" BRACE **	
		CABLE VERTICAL SPACING	GRADE	GRADE	GRADE	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B
24" O.C.	SPF	#1 / #2	STUD	STUD	STUD	6' 8"	6' 8"	7' 10"	7' 10"	10' 3"	10' 3"	12' 3"	12' 3"
	HF	#3	STUD	STUD	STUD	4' 5"	4' 5"	5' 10"	5' 10"	9' 1"	9' 1"	12' 3"	12' 3"
	SP	STANDARD	#1	STUD	STUD	3' 9"	3' 9"	6' 0"	6' 0"	7' 10"	7' 10"	10' 7"	10' 7"
	DFL	STANDARD	#2	STUD	STUD	5' 11"	5' 11"	7' 0"	7' 0"	10' 3"	10' 3"	12' 3"	12' 3"
16" O.C.	SPF	#1 / #2	STUD	STUD	STUD	6' 4"	6' 4"	7' 10"	7' 10"	9' 4"	9' 4"	12' 3"	12' 3"
	HF	#3	STUD	STUD	STUD	4' 8"	4' 8"	5' 11"	5' 11"	8' 0"	8' 0"	12' 3"	12' 3"
	SP	STANDARD	#1	STUD	STUD	3' 10"	3' 10"	6' 11"	6' 11"	8' 0"	8' 0"	10' 10"	10' 10"
	DFL	STANDARD	#2	STUD	STUD	5' 5"	5' 5"	7' 2"	7' 2"	11' 9"	11' 9"	14' 0"	14' 0"
12" O.C.	SPF	#1 / #2	STUD	STUD	STUD	6' 7"	6' 7"	7' 4"	7' 4"	11' 6"	11' 6"	14' 0"	14' 0"
	HF	#3	STUD	STUD	STUD	5' 8"	5' 8"	6' 3"	6' 3"	11' 4"	11' 4"	14' 0"	14' 0"
	SP	STANDARD	#1	STUD	STUD	4' 9"	4' 9"	6' 3"	6' 3"	9' 9"	9' 9"	13' 3"	13' 3"
	DFL	STANDARD	#2	STUD	STUD	7' 2"	7' 2"	8' 5"	8' 5"	12' 11"	12' 11"	14' 0"	14' 0"

BRACING GROUP SPECIES AND GRADES:

GROUP A:	
SPRUCE-PINE-YR	#2
STANDARD	#3
STUD	STANDARD
DOUGLAS FIR-LARCH	#3
STUD	STANDARD

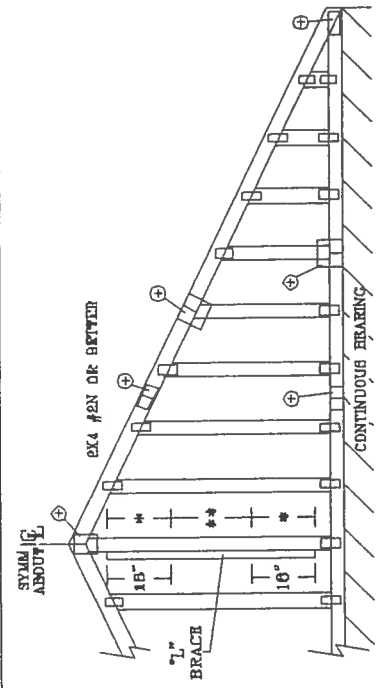
GROUP B:	
DOUGLAS FIR-LARCH	#1
STUD	STANDARD
SOUTHERN PINE	#2
STUD	STANDARD

CABLE TRUSS DETAIL NOTES:

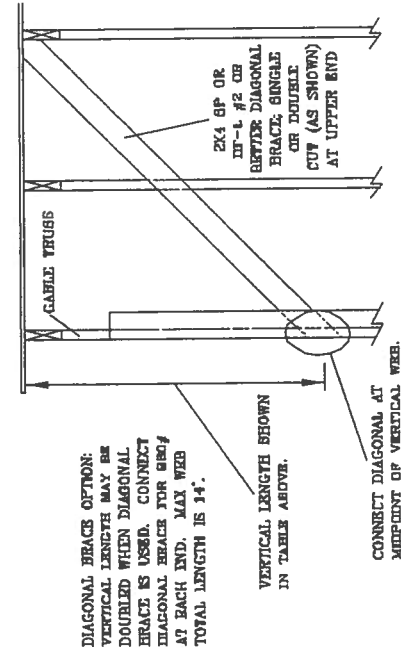
- LIVE LOAD DEFLECTION CRITERIA IS L/240.
- PROVIDE UPLIFT CONNECTIONS FOR 180 PLF OVER CONTINUOUS BEARING (6 PSF VC DEAD LOAD).
- CABLE END SUPPORTS LOAD FROM 4' 0" OUTLOOKERS WITH 2' 0" OVERHANG, OR 12" PLYWOOD OVERHANG.
- ATTACH EACH "L" BRACE WITH 10d NAILS.
- * FOR (1) "L" BRACE: SPACE NAILS AT 2' O.C. IN 18" END ZONES AND 4' O.C. BETWEEN ZONES.
- ** FOR (2) "L" BRACES: SPACE NAILS AT 3' O.C. IN 18" END ZONES AND 6' O.C. BETWEEN ZONES.
- "L" BRACING MUST BE A MINIMUM OF 80% OF WEB MEMBER LENGTH.

CABLE VERTICAL PLATE SIZES	
VERTICAL LENGTH	NO BRACE
LESS THAN 4' 0"	1X4 OR 2X4
GREATER THAN 4' 0", BUT LESS THAN 11' 6"	2X4
GREATER THAN 11' 6"	2X6

+ REFER TO COMMON THURS DESIGN FOR FEAS, SPLICE, AND HEEL PLATES.



REFER TO CHART ABOVE FOR MAX CABLE VERTICAL LENGTH.



REF ASCE7-02-GAB10030

DATE 11/26/03

DWG MTRK STD CABLE 30' 2 HT

-ENG

MAX TOT. LD. 60 PSF

MAX. SPACING 24.0"

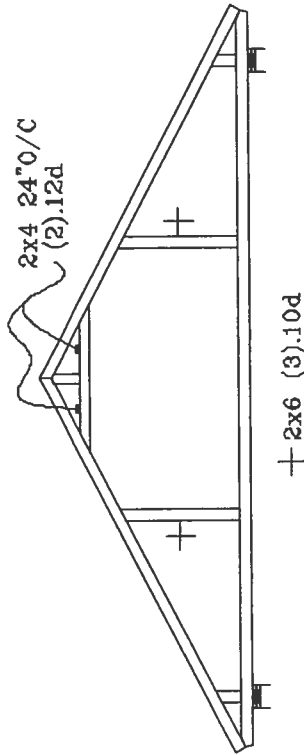
JULIUS LEE'S
CONS. ENGINEERS P.A.

1466 BR 4th AVENUE
DELRAY BEACH, FL 33444-2661

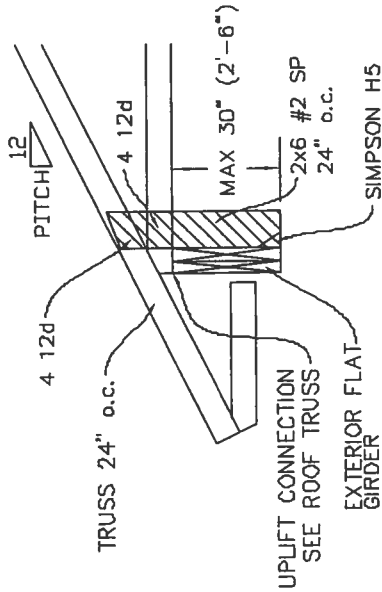
No: 34869
STATE OF FLORIDA

MANUFACTURER TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 CRUISING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 383 D'UNFRED JR., SUITE 200, HANSON, VI 53719) AND VTC (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, HANSON, VI 53719) FOR SAFETY PRACTICES. THESE TRUSSES ARE DESIGNED TO BE USED IN CONJUNCTION WITH PROPERLY ATTACHED STRUCTURAL PANELS AND BATTEN GIRDERS SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

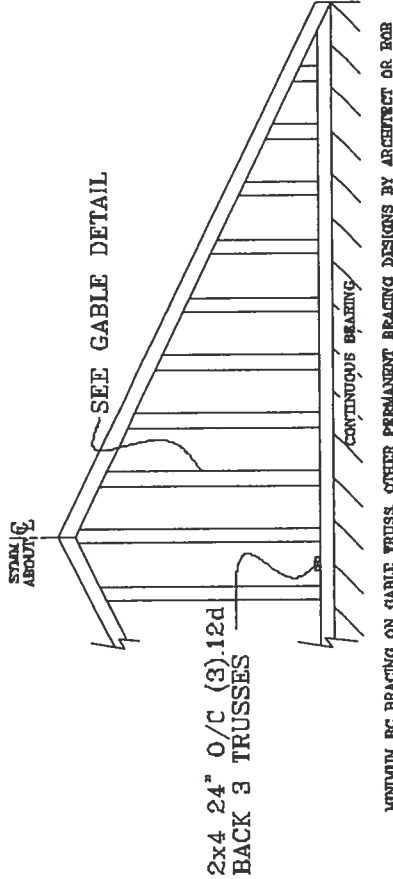
TYPICAL ATTIC TRUSS BRACING



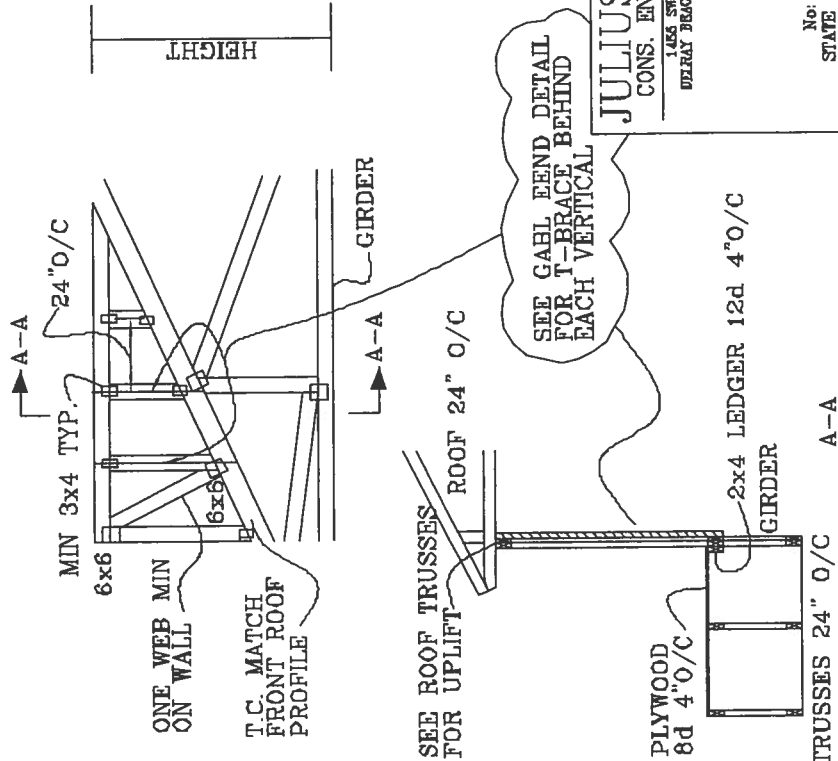
TYPICAL ALTERNATE BRACING DETAIL FOR EXTERIOR FLAT GIRDER TRUSS



GABLE END TRUSS DETAIL



TYPICAL WALL GIRDER VERTICAL WEB BRACING DETAIL



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DEERFIELD BEACH, FL 33441-2001

No. 34860
STATE OF FLORIDA

PIGGYBACK DETAIL

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

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 ENGINEER'S SEALED DESIGN FOR REQUIRED PURLIN SPACING.

THIS DETAIL IS APPLICABLE FOR THE FOLLOWING WIND CONDITIONS:

110 MPH WIND, 30' MEAN HGT, ASCE 7-93, CLOSED BLDG, LOCATED ANYWHERE IN ROOF, 1 MI FROM COAST

CAT 1, EXP C, WIND TC DL=5 PSF, WIND BC DL=5 PSF

110 MPH WIND, 30' MEAN HGT, SEC

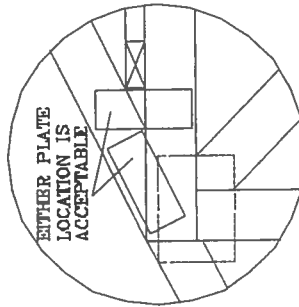
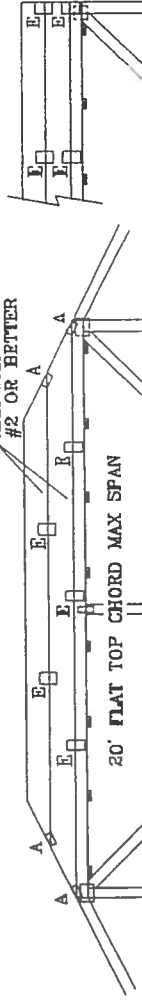
ENCLOSED BLDG, LOCATED ANYWHERE IN ROOF

WIND TC DL=5 PSF, WIND BC DL=5 PSF

FRONT FACE (E,*) PLATES MAY BE OFFSET FROM BACK FACE PLATES AS LONG AS BOTH FACES ARE SPACED 4' OC MAX.

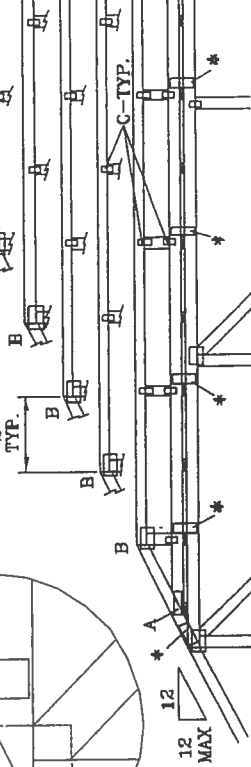
130 MPH WIND, 30' MEAN HGT, ASCE 7-98, CLOSED BLDG, LOCATED ANYWHERE IN ROOF, CAT II, EXP. C, WIND TC DL=6 PSF, WIND BC DL=6 PSF

MAX SIZE OF 2X12 #2 OR BETTER



OPTIONAL SPICE

2' TYP.



*ATTACH PIGGYBACK WITH 3X6 TRUOX OR ALPINE PIGGYBACK SPECIAL PLATE.

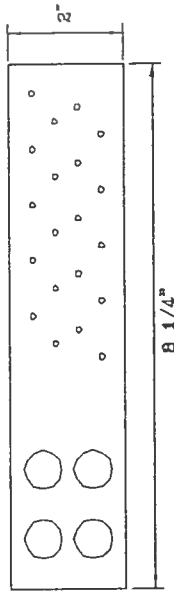
JOINT TYPE	SPANS UP TO			
	30'	34'	38'	62'
A	2X4	2.5X4	2.6X4	3X5
B	4X8	5X8	5X8	5X8
C	1.5X3	1.5X4	1.5X4	1.5X4
D	5X4	5X6	5X6	5X6
E	4X8 OR 3X6 TRUOX AT 4' OC, ROTATED VERTICALLY			

ATTACH TRUOX 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 TRUOX INFORMATION.

WEB BRACING CHART	
WEB LENGTH	REQUIRED BRACING
0' TO 7'9"	NO BRACING
7'9" TO 10'	1X4 "T" BRACE SAME GRADE, SPECIES AS WEB MEMBER, OR BETTER, AND 80% LENGTH OF WEB MEMBER. ATTACH WITH 6d NAILS AT 4" OC.
10' TO 14'	2X4 "T" BRACE SAME GRADE, SPECIES AS WEB MEMBER, OR BETTER, AND 80% LENGTH OF WEB MEMBER. ATTACH WITH 16d NAILS AT 4" OC.

* PIGGYBACK SPECIAL PLATE

ATTACH TEETH TO THE PIGGYBACK AT THE TIME OF FABRICATION. ATTACH TO SUPPORTING TRUSS WITH (4) 0.120" X 1.375" NAILS PER FACE PER PLY. APPLY PIGGYBACK SPECIAL PLATE TO EACH TRUSS FACE AND SPACE 4' OC OR LESS.



THIS DRAWING REPLACES DRAWINGS 634.018 634.017 & 647.045

JULIUS LEE'S CONS. ENGINEERS P.A. 1460 SW 4th AVENUE DEER BEACH, FL 33444-2161		No: 34868 STATE OF FLORIDA	
MAX LOADING 55 PSF AT 1.33 DUR. FAC. 50 PSF AT 1.25 DUR. FAC. 47 PSF AT 1.15 DUR. FAC.		REF PIGGYBACK DATE 11/26/03 DRWG/ITEK STD PIGGY -ENG JL	
SPACING 24.0"			

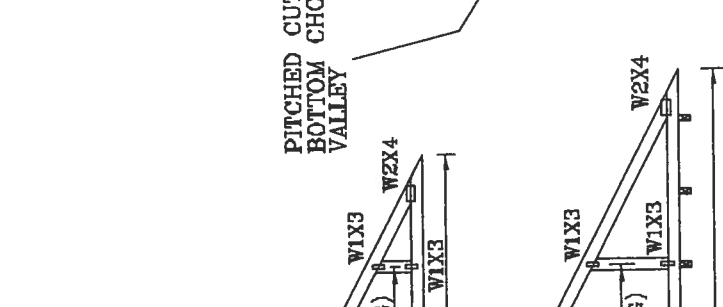
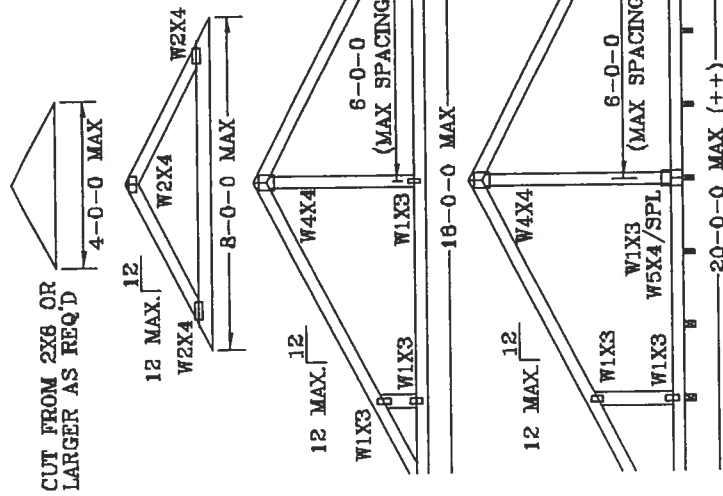
SAVING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES FOR TRUSS BRACING (ASCE 7-93, CHAPTER 10, SECTION 10.10.1) AND TRUSS COUNCIL PLATE INSTITUTE, PRACTICES FOR TRUSS BRACING (ASCE 7-93, CHAPTER 10, SECTION 10.10.1) FOR MORE INFORMATION. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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.

* 2X3 MAY BE RIPPED FROM A 2X6 (PITCHED OR SQUARE).

** ATTACH EACH VALLEY TO EVERY SUPPORTING TRUSS WITH:
 (2) 16d BOX (0.135" X 3.5") NAILS TOE-NAILED FOR
 SBC 110 MPH, ASCE 7-93 110 MPH WIND OR (3) 16d FOR
 ASCE 7-98 130 MPH WIND. 15' MEAN HEIGHT, ENCLOSED
 BUILDING, EXP. C, RESIDENTIAL, WIND TC DL=5 PSF.



UNLESS SPECIFIED ON ENGINEER'S SEALED DESIGN, APPLY 1X4 "I"-BRACE, 80% LENGTH OF WEB, VALLEY WEB, SAME SPECIES AND GRADE OR BETTER, ATTACHED WITH 8d BOX (0.113" X 2.6") NAILS AT 6" OC, OR CONTINUOUS LATERAL BRACING, EQUALLY SPACED, FOR VERTICAL VALLEY WEBS GREATER THAN 7'9".

MAXIMUM VALLEY VERTICAL HEIGHT MAY NOT EXCEED 12'0".

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

OR
 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.

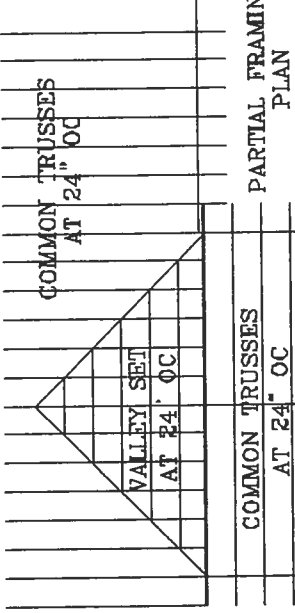
*** NOTE THAT THE PURLIN SPACING FOR BRACING THE TOP CHORD OF THE TRUSS BENEATH THE VALLEY IS MEASURED ALONG THE SLOPE OF THE TOP CHORD.

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

BOTTOM CHORD MAY BE SQUARE OR PITCHED CUT AS SHOWN.



OPTIONAL STUB
 END DETAIL



SUPPORTING TRUSSES AT 24" OC MAXIMUM SPACING.

THIS DRAWING REPLACES DRAWING A105				
TC	LL	20	PSF	REF
TC	DL	7	15	PSF
BC	DL	5	5	PSF
BC	LL	0	0	PSF
TOT.	LD.	32	40	PSF
DURFAC 1.25		1.25		
SPACING		24"		

JULIUS LEE'S
 CONS. ENGINEERS P.A.
 1455 SW 4th AVENUE
 DECATUR, GA 30030-2101

THIS DRAWING REPLACES DRAWING A105

DATE 11/26/03
 DRWG VALTRUSS1103
 -ENG JL

STATE OF FLORIDA
 No. 34869

***WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES FOR BUILDING CODES AND STANDARDS. THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR THE TRUSS DESIGN AND THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR THE TRUSS INSTALLATION. THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR THE TRUSS MAINTENANCE. THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR THE TRUSS REPAIRS. THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR THE TRUSS REPLACEMENTS. THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR THE TRUSS DEMOLITION. THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR THE TRUSS DISPOSAL. THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR THE TRUSS RECYCLING. THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR THE TRUSS REUSE. THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR THE TRUSS REPAIRS. THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR THE TRUSS REPLACEMENTS. THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR THE TRUSS DEMOLITION. THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR THE TRUSS DISPOSAL. THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR THE TRUSS RECYCLING. THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR THE TRUSS REUSE.

TOE-NAIL DETAIL

TOE-NAILS TO BE DRIVEN AT AN ANGLE OF APPROXIMATELY THIRTY DEGREES WITH THE PIECE AND STARTED APPROXIMATELY ONE-THIRD THE LENGTH OF THE NAIL FROM THE END OF THE MEMBER.

PER ANSI/AF&PA NDS-1997 SECTION 12.4.1 - EDGE DISTANCE, END DISTANCE, SPACING; "EDGE DISTANCES, END DISTANCES AND SPACINGS FOR NAILS AND SPIKES SHALL BE SUFFICIENT TO PREVENT SPLITTING OF THE WOOD."

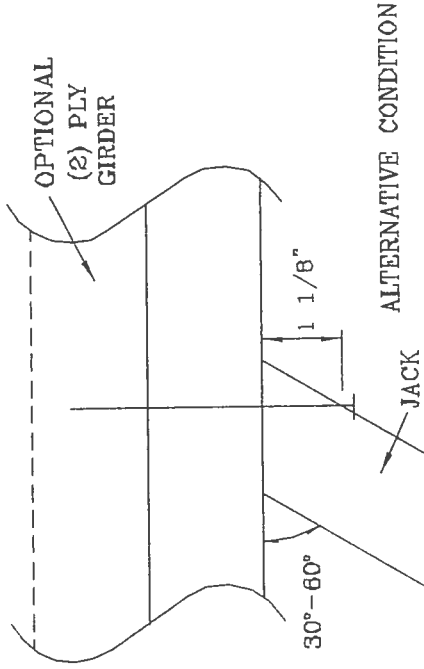
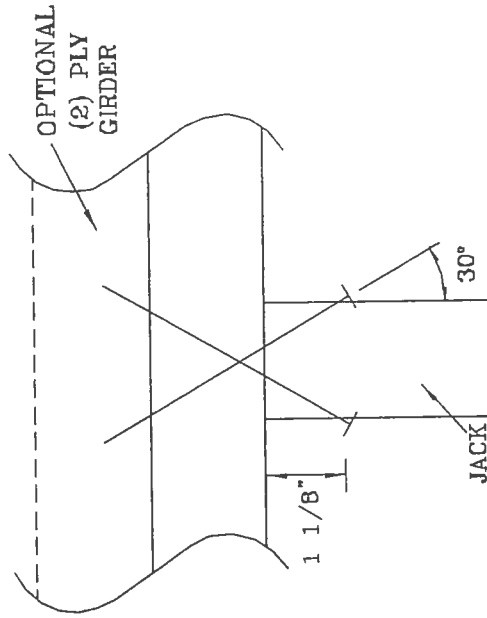
THE NUMBER OF TOE-NAILS TO BE USED IN A SPECIFIC APPLICATION IS DEPENDENT UPON PROPERTIES FOR THE CHORD SIZE, LUMBER SPECIES, AND NAIL TYPE. PROPER CONSTRUCTION PRACTICES AS WELL AS GOOD JUDGEMENT SHOULD DETERMINE THE NUMBER OF NAILS TO BE USED.

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

MAXIMUM LATERAL RESISTANCE OF 16d (0.162"x3.5") COMMON TOE-NAILS

NUMBER OF TOE-NAILS	SOUTHERN PINE		DOUGLAS FIR-LARCH		HEM-FIR		SPRUCE PINE FIR	
	1 PLY	2 PLYS	1 PLY	2 PLYS	1 PLY	2 PLYS	1 PLY	2 PLYS
2	197#	256#	181#	234#	156#	203#	154#	189#
3	296#	383#	271#	351#	234#	304#	230#	298#
4	394#	511#	361#	468#	312#	406#	307#	397#
5	493#	639#	452#	585#	390#	507#	384#	496#

ALL VALUES MAY BE MULTIPLIED BY APPROPRIATE DURATION OF LOAD FACTOR.



THIS DRAWING REPLACES DRAWING 784040

WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BSI 1-93 BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI CRUISS PLATE INSTITUTE, 383 WINDFORD DR., SUITE 200, NARISSEN, VA 50719, AND VITCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, NARISSEN, VA 50719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

JULIUS LEE'S
CONS. ENGINEERS P.A.

1405 SW 410 AVENUE
DELRAY BEACH, FL 33444-2181

No: 34689
STATE OF FLORIDA

REF	TOE-NAIL	PSF	TC LL
DATE	11/26/03	PSF	TC DL
DRWG	CNTONAIL1103	PSF	BC DL
-ENG	JL	PSF	BC LL
		PSF	TOT. LD.
			DUR. FAC.
			SPACING

TRULOX CONNECTION DETAIL

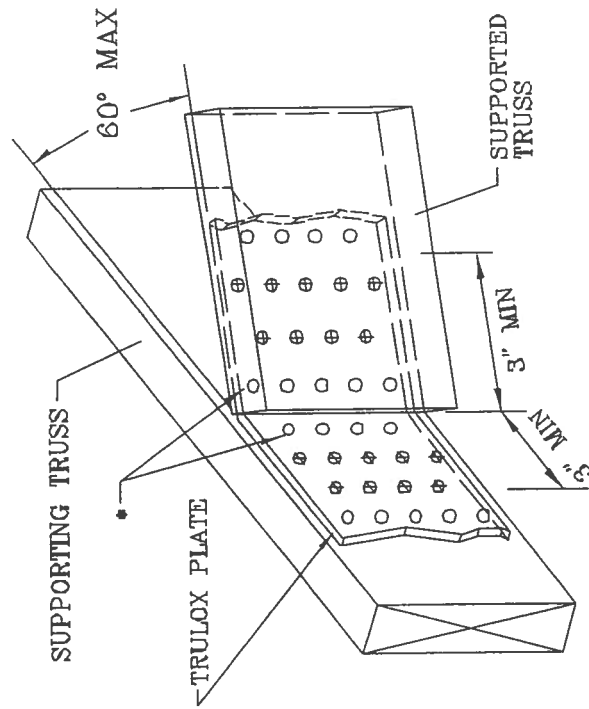
TRULOX PLATE IS CENTERED ON THE CHORDS AND BENT BETWEEN NAIL ROWS.

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

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

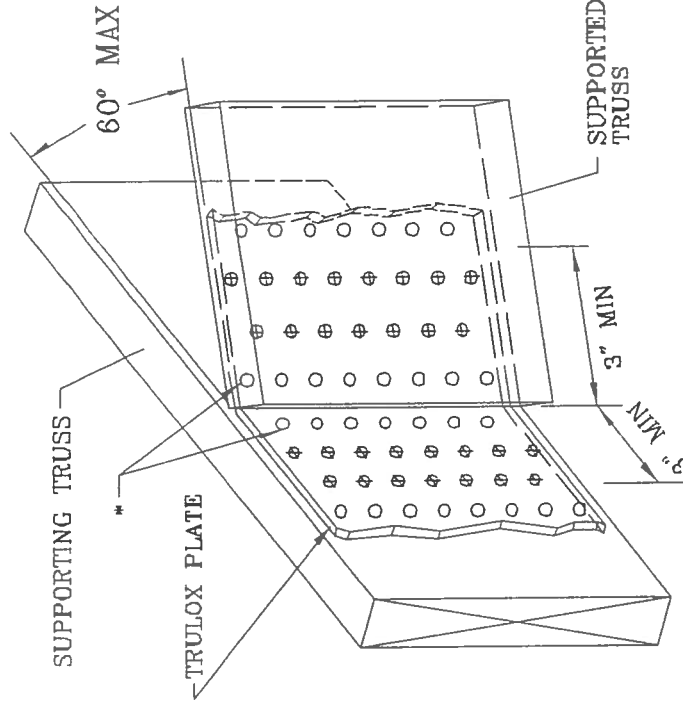
* NAILS MAY BE OMITTED FROM THESE ROWS.

THIS DETAIL MAY BE USED WITH SO. PINE, DOUGLAS-FIR OR HEM-FIR CHORDS WITH A MINIMUM 1.00 DURATION OF LOAD OR SPRUCE-PINE-FIR CHORDS WITH A MINIMUM 1.15 DURATION OF LOAD. CHORD SIZE OF BOTH TRUSSES MUST EXCEED THE TRULOX PLATE WIDTH.



MINIMUM 3X6 TRULOX PLATE

TRULOX PLATE SIZE	REQUIRED NAILS PER TRUSS	MAXIMUM LOAD UP OR DOWN
3X6	9	350#
6X6	15	990#



MINIMUM 5X6 TRULOX PLATE

THIS DRAWING REPLACES DRAWINGS 1,158,989 1,158,989/R
1,154,844 1,152,217 1,152,017 1,159,154 & 1,151,524

JULIUS LEE'S
CONS. ENGINEERS P.A.

1455 SW 4th AVENUE
DELRAY BEACH, FL 33444-2010

REF TRULOX

DATE 11/26/03

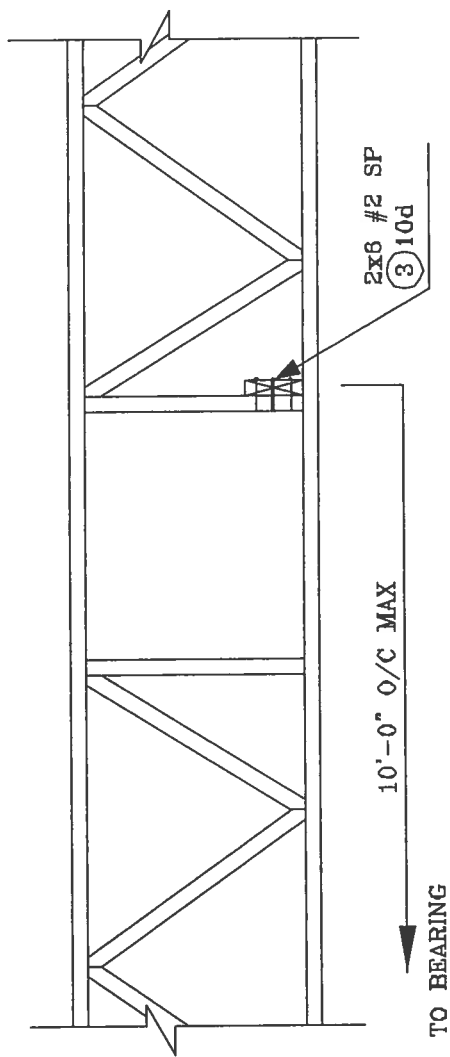
DRWG CNTRULOX1103

-ENG JL

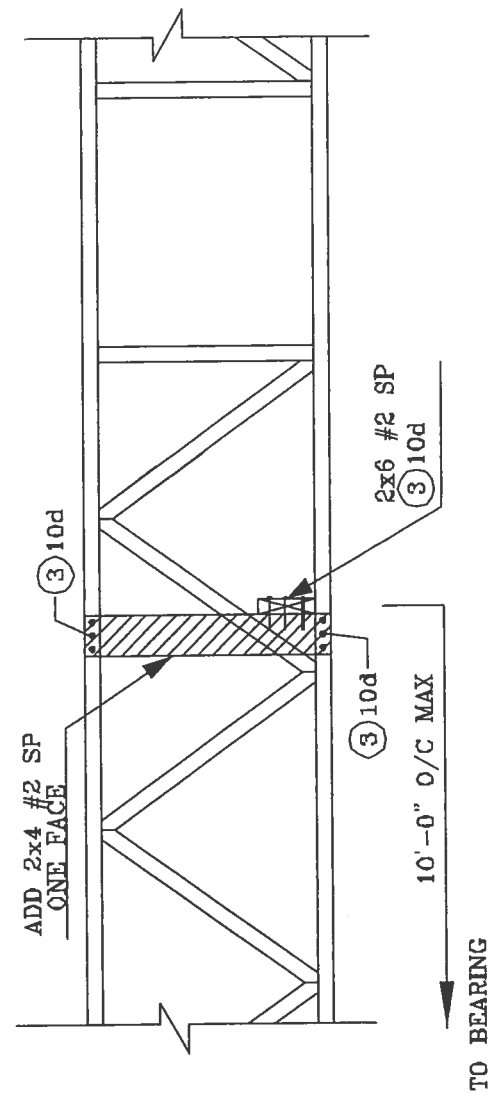
WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO 3031 J-60 (BUILDING CONFINEMENT SAFETY INFORMATION, PUBLISHED BY TPI) TRUSS PLATE INSTITUTE, 383 DUNFORD DR., SUITE 200, MADISON, VT 05759 AND VTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, VT 05715) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TYP CHORD SHALL HAVE A PROPERLY SHAPED STRUCTURAL PANELS AND JOINT CHORD SHALL HAVE A PROPERLY ATTACHED ROOF CEILING

No: 34859
STATE OF FLORIDA

STRONG BACK DETAIL SYSTEM-42 OR FLAT TRUSS



ALTERNATE DETAIL FOR STRONG BACK WITH VERTICAL NOT LINING UP



JULIUS LEE'S
CONS. ENGINEERS P.A.
1455 SW 4th AVENUE
DELRAY BEACH, FL 33444-2681

No: 34669
STATE OF FLORIDA