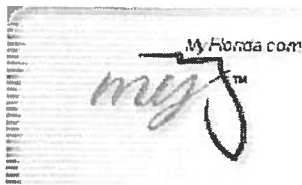


Project Information for:		L161722		Date: 5/1/2006			
Builder:		JENKINS		Start Number: 1003			
Lot:		N/A					
Subdivision:		PARCEL ID #: 24-5S-15-0047C					
County or City:		COLUMBIA COUNTY					
Truss Page Count:		45					
Truss Design Load Information (UNO)				Design Program: MiTek 5.2 / 6.2			
Gravity		Wind		Building Code: FBC2004			
Roof (psf): 42	Wind Standard: ASCE 7-02						
Floor (psf): 55	Wind Speed (mph): 110						
Note: See individual truss drawings for special loading conditions							
Building Designer, responsible for Structural Engineering: (See attached)							
JENKINS, MICHAEL C. CGC1507486							
Address: PO BOX 1734		Designer: 62					
LAKE CITY, FL. 32056							
Truss Design Engineer: Thomas, E. Miller, P.E., 56877 - Byron K. Anderson, PE FL 60987							
Company: Structural Engineering and Inspections, Inc. EB 9196							
Address: 16105 N. Florida Ave, Ste B, Lutz, FL 33549							
Notes:							
1. Truss Design Engineer is responsible for the individual trusses as components only.							
2. Determination as to the suitability and use of these truss components for the structure is the responsibility of the Building Designer of Record, as defined in ANSI/TPI							
3. The seal date shown on the individual truss component drawings must match the seal date on this index sheet.							
4. Trusses designed for vertical loads only, unless noted otherwise.							
#	Truss ID	Dwg. #	Seal Date	#	Truss ID	Dwg. #	Seal Date
1	CJ1	0501061003	5/1/2006	41	T27	0501061043	5/1/2006
2	CJ3	0501061004	5/1/2006	42	T28	0501061044	5/1/2006
3	CJ3A	0501061005	5/1/2006	43	T29	0501061045	5/1/2006
4	CJ5	0501061006	5/1/2006	44	T30	0501061046	5/1/2006
5	CJ5A	0501061007	5/1/2006	45	T31	0501061047	5/1/2006
6	EJ6	0501061008	5/1/2006				
7	EJ7	0501061009	5/1/2006				
8	EJ7A	0501061010	5/1/2006				
9	HJ8	0501061011	5/1/2006				
10	HJ9	0501061012	5/1/2006				
11	HJ9A	0501061013	5/1/2006				
12	PB01	0501061014	5/1/2006				
13	PB02	0501061015	5/1/2006				
14	PB03	0501061016	5/1/2006				
15	T01	0501061017	5/1/2006				
16	T02	0501061018	5/1/2006				
17	T03	0501061019	5/1/2006				
18	T04	0501061020	5/1/2006				
19	T05	0501061021	5/1/2006				
20	T06	0501061022	5/1/2006				
21	T07	0501061023	5/1/2006				
22	T08	0501061024	5/1/2006				
23	T09	0501061025	5/1/2006				
24	T10	0501061026	5/1/2006				
25	T11	0501061027	5/1/2006				
26	T12	0501061028	5/1/2006				
27	T13	0501061029	5/1/2006				
28	T14	0501061030	5/1/2006				
29	T15	0501061031	5/1/2006				
30	T16	0501061032	5/1/2006				
31	T17	0501061033	5/1/2006				
32	T18	0501061034	5/1/2006				
33	T19	0501061035	5/1/2006				
34	T20	0501061036	5/1/2006				
35	T21	0501061037	5/1/2006				
36	T22	0501061038	5/1/2006				
37	T23	0501061039	5/1/2006				
38	T24	0501061040	5/1/2006				
39	T25	0501061041	5/1/2006				
40	T26	0501061042	5/1/2006				

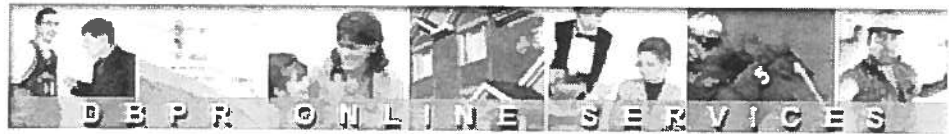
MAY 01 2006


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11:34:27 AM

Licensee Details**Licensee Information**

Name: **JENKINS, MICHAEL CHRISTIAN** (Primary Na
JENKINS CONTRACTING LLC (DBA Name)
Main Address: **PO BOX 1734**
LAKE CITY Florida 32056
County: **COLUMBIA**

License Mailing:

LicenseLocation: **9016 SW CR 240**
LAKE CITY FL 32024
County: **COLUMBIA**

License Information

License Type: **Certified General Contractor**
Rank: **Cert General**
License Number: **CGC1507486**
Status: **Current,Active**
Licensure Date: **07/09/2004**
Expires: **08/31/2006**

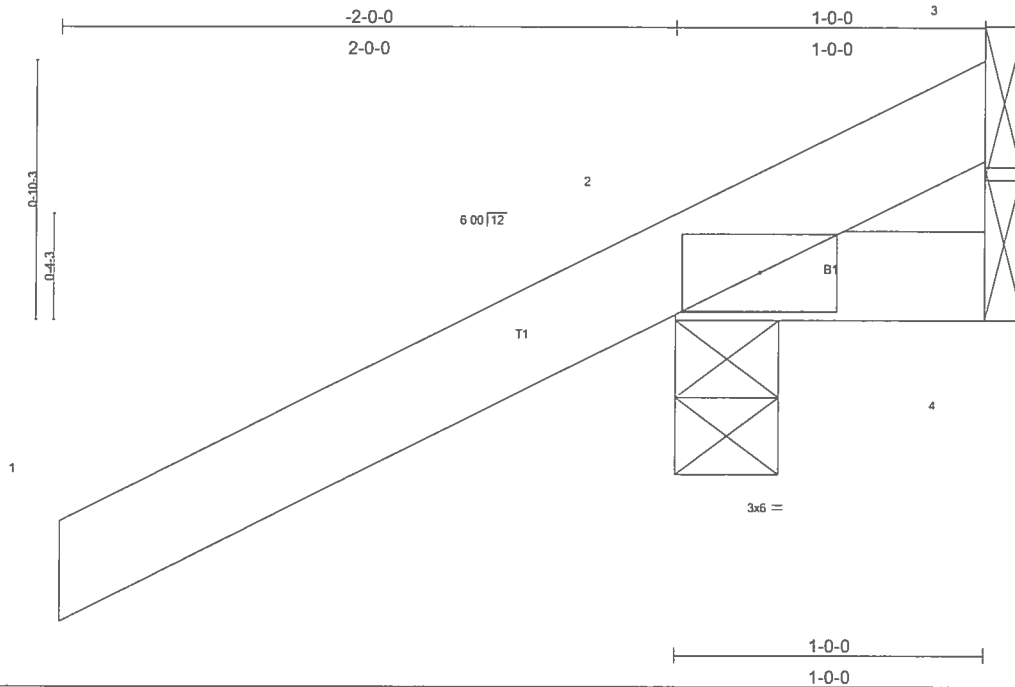
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Job L161722	Truss CJ1	Truss Type JACK	Qty 12	Ply 1	JENKINS
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Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

6/20/05 Jul 13 2005 Mitek Industries, Inc. Wed Apr 26 08:12:33 2006 Page 1



Scale = 1/2"

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.28	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.01	Vert(LL) -0.00 2 >999 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.00	Vert(TL) -0.00 2 >999 180		
BCDL 5.0	Rep Stress incr YES	(Matrix)	Horz(TL) 0.00 3 n/a n/a		
	Code FBC2004/TPI2002			Weight: 7 lb	

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

BRACING
 TOP CHORD Structural wood sheathing directly applied or 1-0-0 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=267/0-4-0, 4=14/Mechanical, 3=-91/Mechanical
 Max Horz 2=87(load case 5)
 Max Uplift 2=-287(load case 5), 4=-9(load case 3), 3=-91(load case 1)
 Max Grav 2=267(load case 1), 4=14(load case 1), 3=128(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/47, 2-3=-69/76
 BOT CHORD 2-4=0/0

NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) Refer to girder(s) for truss to truss connections.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 287 lb uplift at joint 2, 9 lb uplift at joint 4 and 91 lb uplift at joint 3.

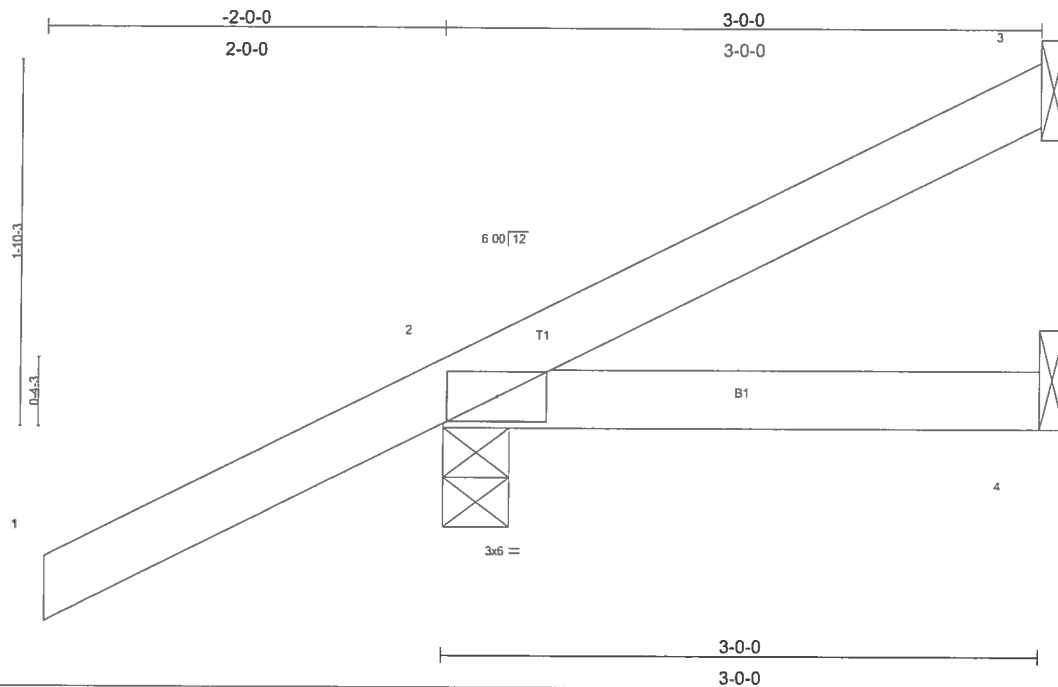
LOAD CASE(S) Standard

Job L161722	Truss CJ3	Truss Type JACK	Qty 10	Ply 1	JENKINS
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Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

6,200 s Jul 13 2005 MiTek Industries, Inc. Wed Apr 26 08:12:52 2006 Page 1



Scale = 1/11.1

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.30	Vert(LL) 0.01	2-4	>999	240		MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.08	Vert(TL) 0.01	2-4	>999	180			
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=29/Mechanical, 2=279/0-4-0, 4=42/Mechanical

Max Horz 2=132(load case 5)

Max Uplift 3=-27(load case 6), 2=-240(load case 5), 4=-26(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/47, 2-3=-58/7

BOT CHORD 2-4=0/0

NOTES

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

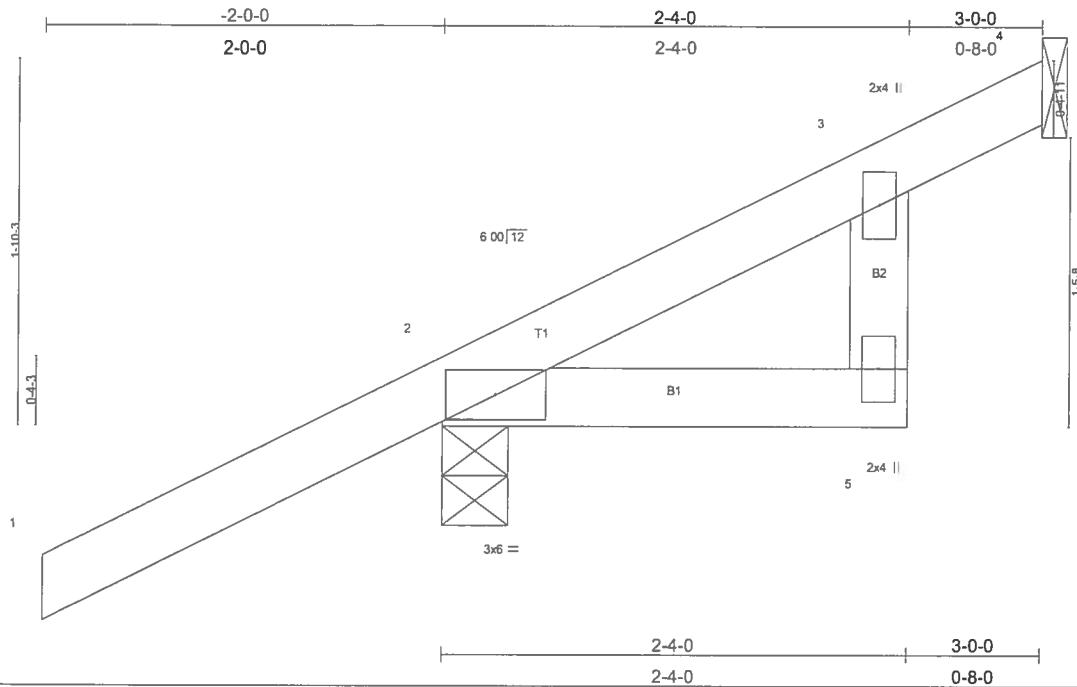
2) Refer to girder(s) for truss to truss connections.

3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 27 lb uplift at joint 3, 240 lb uplift at joint 2 and 26 lb uplift at joint 4.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	JENKINS
L161722	CJ3A	SPECIAL	2	1	Job Reference (optional)

6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Apr 26 08:15:38 2006 Page 1



Scale = 1:11.1

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/def	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.30	Vert(LL)	-0.01	5	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.03	Vert(TL)	-0.01	5	>999	180		
BCLL 10.0	Rep Stress Incr	YES	WB 0.00	Horz(TL)	0.00	4	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 *Except*
B2 2 X 4 SYP No.3

BRACING

TOP CHORD	Structural wood sheathing directly applied or 3-0-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 9-10-0 oc bracing.

REACTIONS

(lb/size) 4=51/Mechanical, 2=276/0-4-0
Max Horz 2=132(load case 5)
Max Uplift 4=-23(load case 6), 2=-206(load case 5)

FORCES

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/47, 2-3=-63/2, 3-4=-17/21
 BOT CHORD 2-5=0/0, 3-5=0/30

NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDF=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) Refer to girder(s) for truss to truss connections.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 23 lb uplift at joint 4 and 206 lb uplift at joint 2.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	JENKINS
L161722	CJ5	JACK	10	1	Job Reference (optional)

6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Apr 26 14:42:21 2006 Page 1



LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.30	Vert(LL) 0.09 2-4 >672 240	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.24	Vert(TL) 0.07 2-4 >784 180		
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: 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)

(lb/size) 3=102/Mechanical, 2=344/0-4-0, 4=72/Mechanical
Max Horz 2=178(load case 5)
Max Uplift3=-87(load case 5), 2=-261(load case 5), 4=-46(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/47, 2-3=-87/36
BOT CHORD 2-4=0/0

NOTES

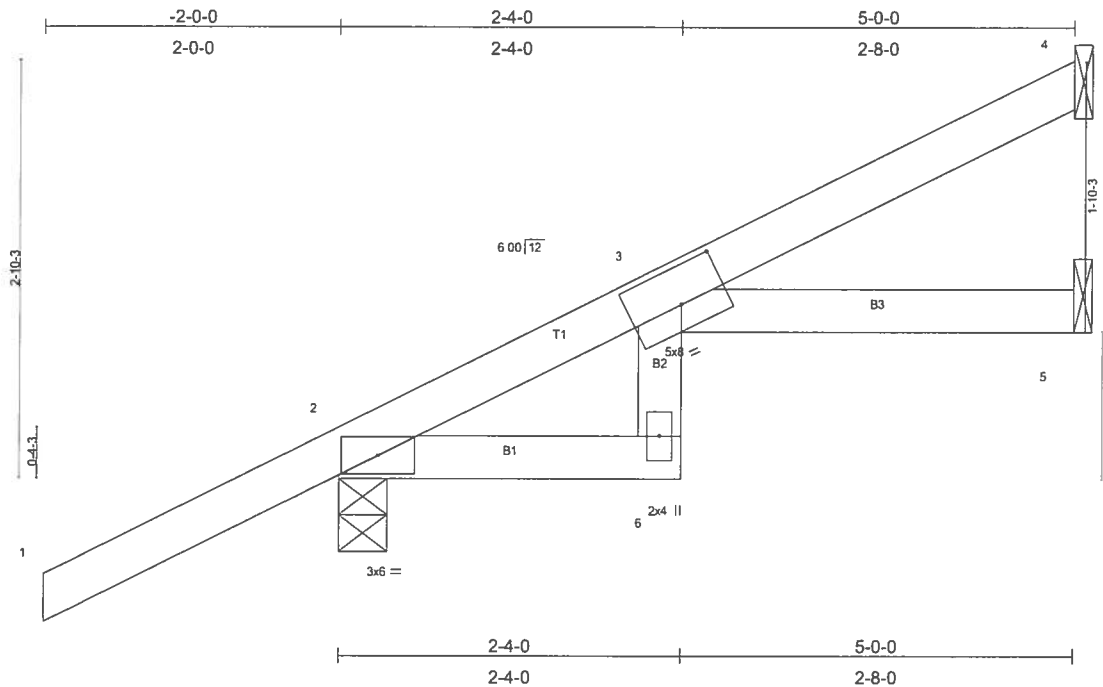
- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDF=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) Refer to girder(s) for truss to truss connections.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 87 lb uplift at joint 3, 261 lb uplift at joint 2 and 46 lb uplift at joint 4.

LOAD CASE(S) Standard

MAY 01, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Job L161722	Truss CJ5A	Truss Type SPECIAL	Qty 2	Ply 1	JENKINS
Builders FirstSource, Lake City, FL 32055					

6.200 s Jul 13 2005 Mitek Industries, Inc. Wed Apr 26 08:51:26 2006 Page 1



Scale = 1/150

Plate Offsets (X,Y): [3'-0"-3'-12"-0'-3"]

LOADING (psf)	SPACING	2'-0"-0"	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.30	Vert(LL)	0.03	3-5	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.31	Vert(TL)	-0.05	3-5	>999	180		
BCLL 10.0	Rep Stress Incr	YES	WB 0.00	Horz(TL)	0.03	5	n/a	n/a		
BCDL 5.0	Code FBC2004/TP12002		(Matrix)							
										Weight: 21 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 5'-0"-0" oc purlins.
 BOT CHORD Rigid ceiling directly applied or 6'-0"-0" oc bracing.

REACTIONS (lb/size) 4=97/Mechanical, 2=344/0'-4"-0, 5=77/Mechanical

Max Horz 2=178(load case 5)

Max Uplift 4=-64(load case 5), 2=-201(load case 5), 5=-8(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/47, 2-3=-170/0, 3-4=-58/37

BOT CHORD 2-6=-25/92, 3-6=0/52, 3-5=-3/2

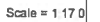
NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS 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) Refer to girder(s) for truss to truss connections.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 64 lb uplift at joint 4, 201 lb uplift at joint 2 and 8 lb uplift at joint 5.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	JENKINS
L161722	EJ6	JACK	1	1	Job Reference (optional)

6.200 s Jul 13 2005 Mitek Industries, Inc. Wed Apr 26 08:52:42 2006 Page 1



LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.33	Vert(LL) 0.18 2-4 >381 240	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.35	Vert(TL) 0.16 2-4 >445 180		
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: 22 lb	

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

REACTIONS (lb/size) 3=134/Mechanical, 2=381/0-4-0, 4=87/Mechanical
Max Horz 2=201(load case 5)
Max Uplift 3=-117(load case 5), 2=-277(load case 5), 4=-55(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/47, 2-3=-110/47
 BOT CHORD 2-4=0/0

NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDD=4.2psf; BCDD=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) Refer to girder(s) for truss to truss connections.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 117 lb uplift at joint 3, 277 lb uplift at joint 2 and 55 lb uplift at joint 4.

LOAD CASE(S) Standard

MAY 01, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Job L161722	Truss EJ7	Truss Type MONO TRUSS	Qty 28	Ply 1	JENKINS
Builders FirstSource, Lake City, FL 32055			6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Apr 26 08:53:27 2006 Page 1		

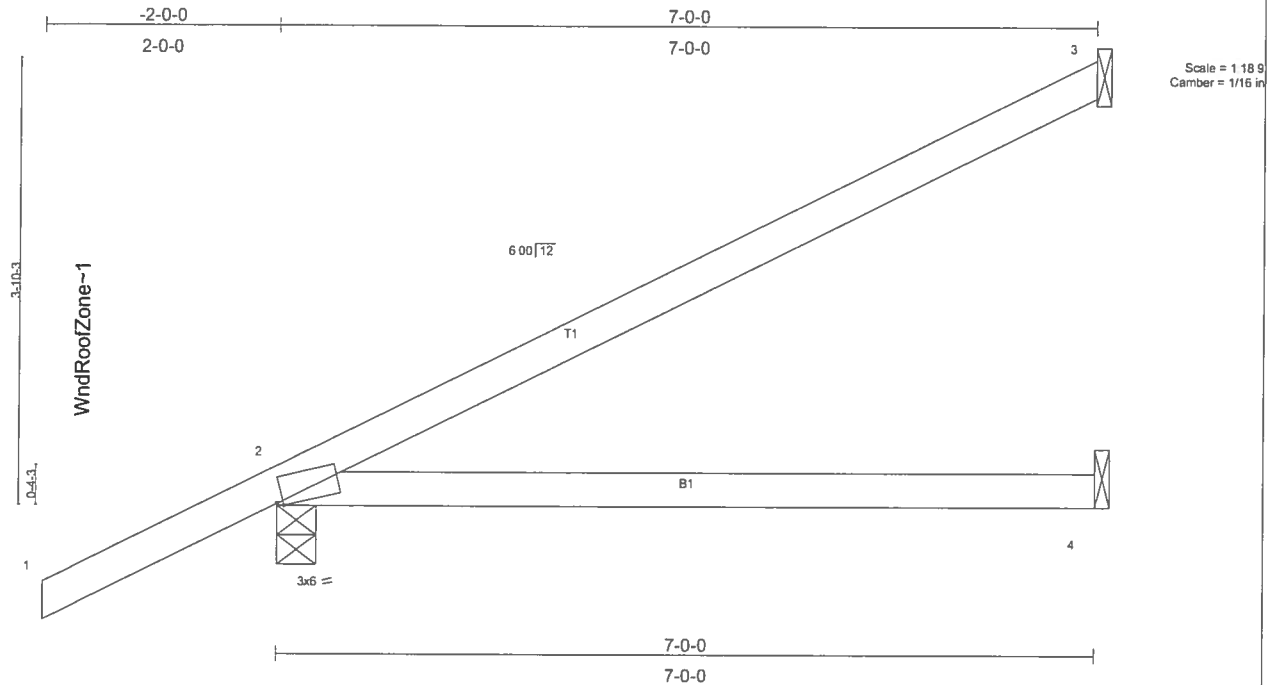


Plate Offsets (X,Y): [2:0-0-10,Edge]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2'-0"-0	TC 0.44	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.38	Vert(LL) 0.26 2-4 >309 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.00	Vert(TL) 0.21 2-4 >379 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) -0.00 3 n/a n/a		
	Code FBC2004/TP12002			Weight: 26 lb	

LUMBER

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

BRACING

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

REACTIONS

(lb/size) 3=162/Mechanical, 2=420/0-4-0, 4=104/Mechanical
Max Horz 2=224(load case 5)
Max Uplift 3=143(load case 5), 2=-296(load case 5), 4=-67(load case 6)

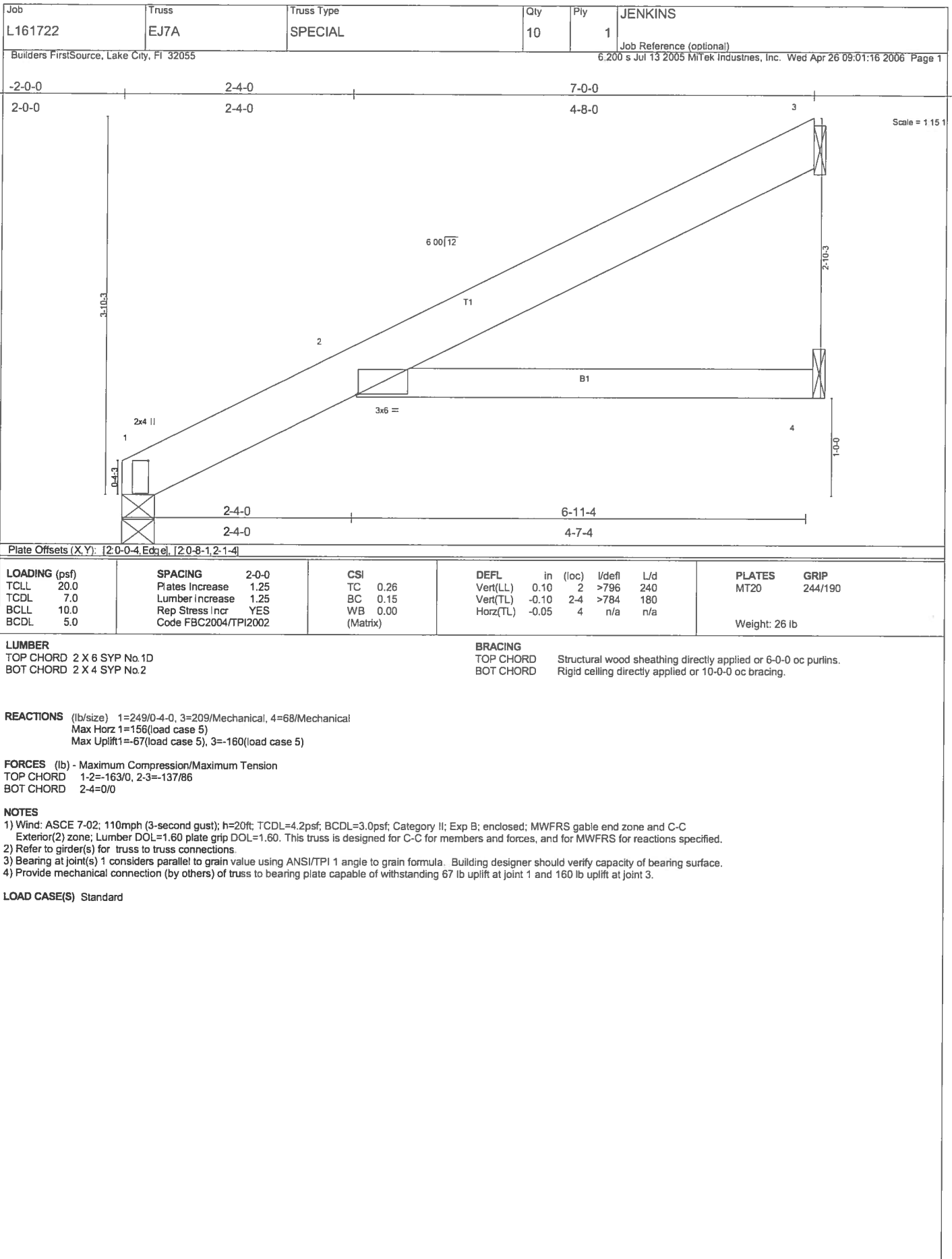
FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/47, 2-3=-94/58
BOT CHORD 2-4=0/0

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 Interior(1) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) Refer to girder(s) for truss to truss connections.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 143 lb uplift at joint 3, 296 lb uplift at joint 2 and 67 lb uplift at joint 4.

LOAD CASE(S) Standard



Job L161722	Truss HJ8	Truss Type MONO TRUSS	Qty 1	Ply 1	JENKINS
Builders FirstSource, Lake City, FL 32055			6.200 s Jul 13 2005 Mitek Industries, Inc. Wed Apr 26 09:02:45 2006 Page 1		

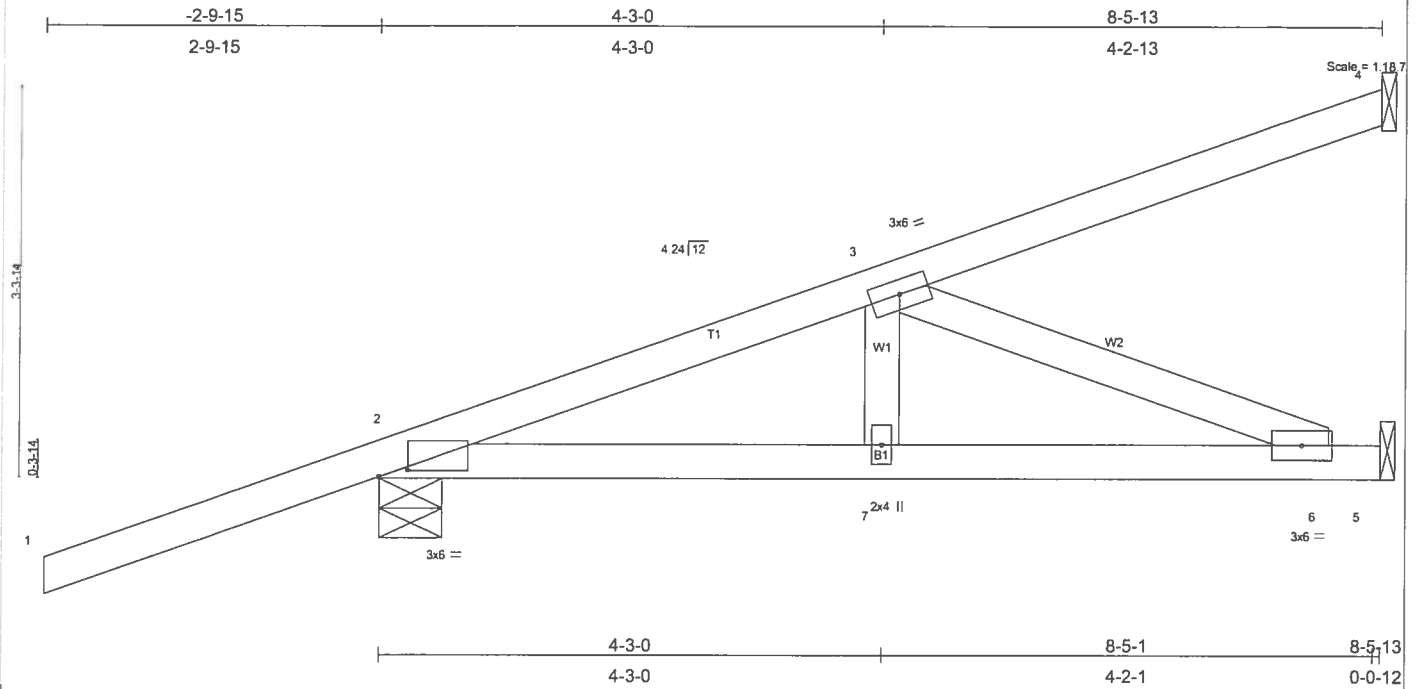


Plate Offsets (X,Y): [2:0-2-15 0-0-11]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.55	Vert(LL)	0.04	6-7	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.36	Vert(TL)	-0.07	6-7	>999	180		
BCCL 10.0	Rep Stress Incr	NO	WB 0.17	Horz(TL)	0.01	5	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							
									Weight: 38 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=182/Mechanical, 2=451/0-6-7, 5=276/Mechanical
 Max Horz 2=213(load case 2)
 Max Uplift 4=-157(load case 2), 2=-368(load case 2), 5=-143(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/50, 2-3=-527/207, 3-4=-71/45
 BOT CHORD 2-7=-305/473, 6-7=-305/473, 5-6=0/0
 WEBS 3-7=-85/129, 3-6=-510/329

NOTES

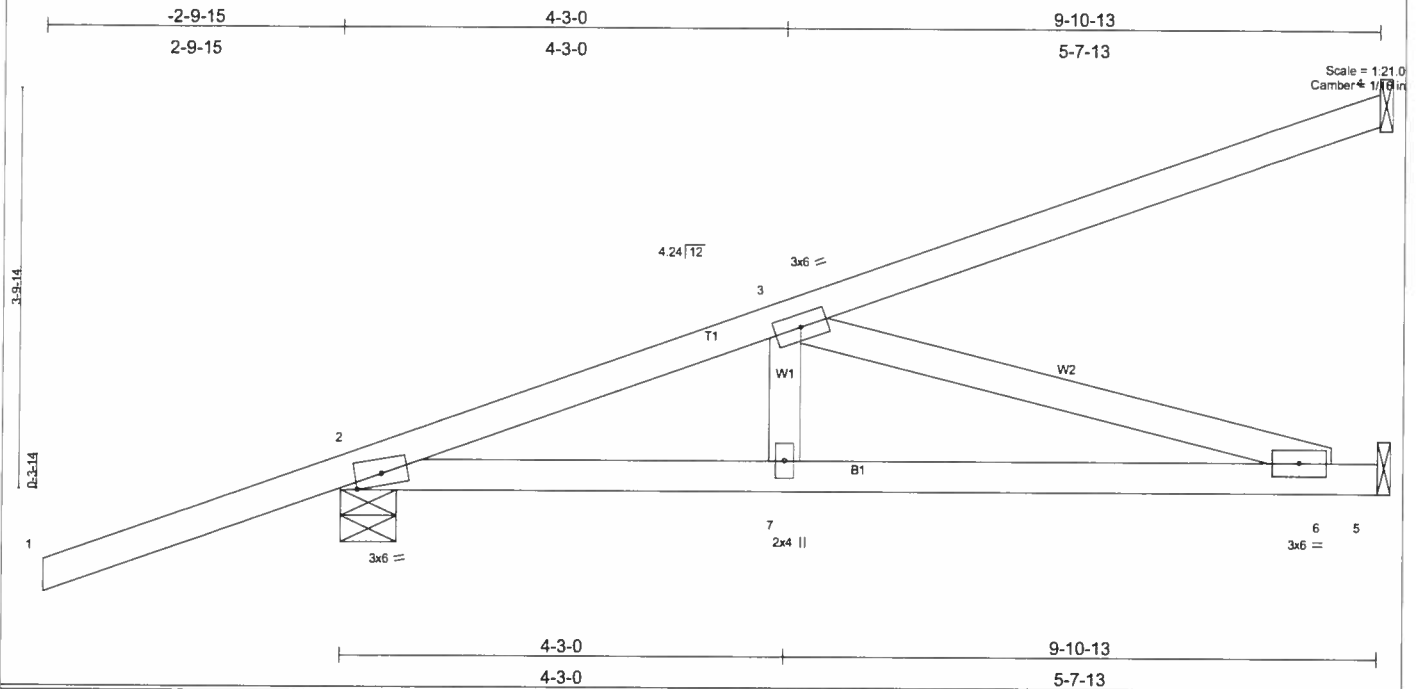
- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60.
- 2) Refer to girder(s) for truss to truss connections.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 157 lb uplift at joint 4, 368 lb uplift at joint 2 and 143 lb uplift at joint 5.
- 4) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- 1) Regular: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-2=-54
 Trapezoidal Loads (plf)
 Vert: 2=-4(F=25, B=25)-to-4=-115(F=-30, B=-30), 2=0(F=15, B=15)-to-5=-64(F=-17, B=-17)

Job	Truss	Truss Type	Qty	Ply	JENKINS
L161722	HJ9	MONO TRUSS	4	1	Job Reference (optional)

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LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.62	Vert(LL) -0.11 6-7 >999 240	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.61	Vert(TL) -0.18 6-7 >623 180		
BCLL 10.0	Rep Stress Incr NO	WB 0.46	Horz(TL) 0.01 5 n/a n/a		
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)		Weight: 45 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 7-11-13 oc bracing.

REACTIONS (lb/size) 4=270/Mechanical, 2=537/0-6-6, 5=372/Mechanical
Max Horz 2=269(load case 2)
Max Uplift 4=-233(load case 2), 2=-404(load case 2), 5=-180(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/50, 2-3=-876/358, 3-4=-105/66
BOT CHORD 2-7=-530/809, 6-7=-530/809, 5-6=0/0
WEBS 3-7=-94/187, 3-6=-843/552

NOTES

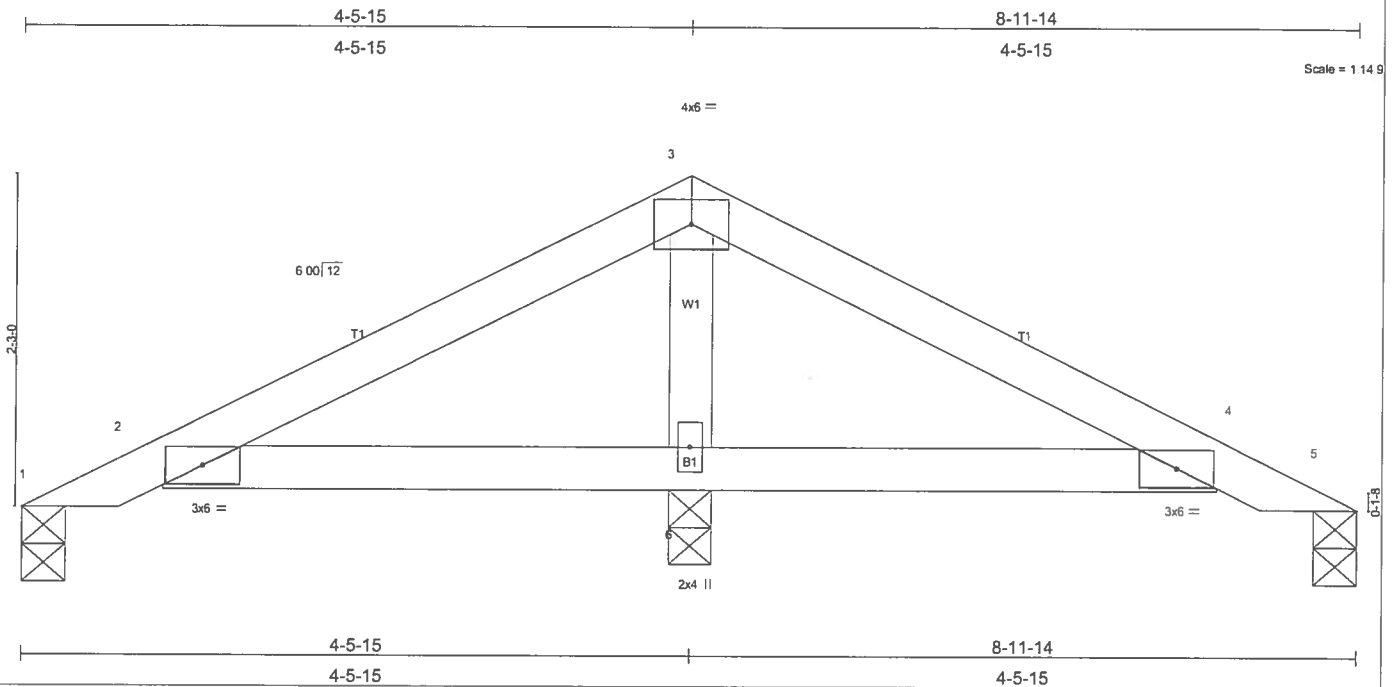
- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDF=4.2psf; BCDF=3.0psf; Category II; Exp B, enclosed; MWFRS gable end zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60.
- 2) Refer to girder(s) for truss to truss connections.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 233 lb uplift at joint 4, 404 lb uplift at joint 2 and 180 lb uplift at joint 5.
- 4) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- 1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-54
Trapezoidal Loads (plf)
Vert: 2-4(F=25, B=25)-to-4=-134(F=-40, B=-40), 2-0(F=15, B=15)-to-5=-74(F=-22, B=-22)

MAY 01, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Job L161722	Truss PB01	Truss Type PIGGYBACK	Qty 2	Ply 1	JENKINS
Builders FirstSource, Lake City, FL 32055			6.200 s Jul 13 2005 Mitek Industries, Inc. Wed Apr 26 09:22:14 2006 Page 1		



LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.16	Vert(LL)	0.01	2-6	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.13	Vert(TL)	-0.02	2-6	>999	180		
BCLL 10.0	Rep Stress Incr	YES	WB 0.09	Horz(TL)	0.00	6	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							
									Weight: 28 lb	

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

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

REACTIONS (lb/size) 1=43/0-3-8, 6=614/0-3-8, 5=43/0-3-8
 Max Horz 1=-32(load case 3)
 Max Uplift 1=-22(load case 5), 6=-193(load case 5), 5=-33(load case 6)
 Max Grav 1=74(load case 9), 6=614(load case 1), 5=74(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-28/37, 2-3=-151/297, 3-4=-151/297, 4-5=-28/18
 BOT CHORD 2-6=-217/205, 4-6=-217/205
 WEBS 3-6=-455/358

NOTES

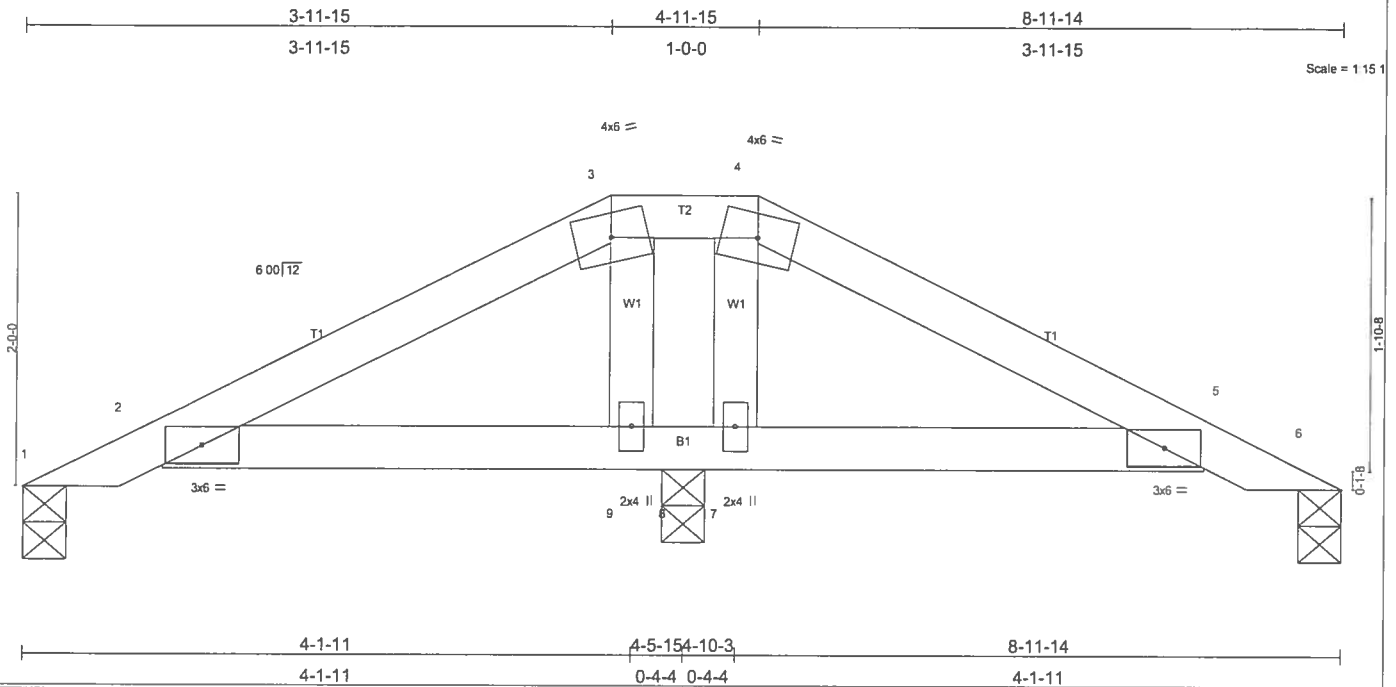
- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 3) 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.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 22 lb uplift at joint 1, 193 lb uplift at joint 6 and 33 lb uplift at joint 5.
- 5) SEE Mitek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS

LOAD CASE(S) Standard

Job L161722	Truss PB02	Truss Type HIP PIGGYBACK	Qty 1	Ply 1	JENKINS
Job Reference (optional)					

Builders FirstSource, Lake City, FL 32055

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LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	I/def	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.13	Vert(LL)	0.01	2-9	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.25	Vert(TL)	-0.02	5-7	>999	180		
BCLL 10.0	Rep Stress Incr	YES	WB 0.05	Horz(TL)	0.00	6	n/a	n/a		
BCDL 5.0	Code FBC2004/TP12002		(Matrix)							
									Weight: 29 lb	

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

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

REACTIONS (lb/size) 1=47/0-3-8, 6=47/0-3-8, 8=607/0-3-8
 Max Horz 1=-28(load case 3)
 Max Uplift 1=-24(load case 5), 6=-33(load case 6), 8=-184(load case 5)
 Max Grav 1=76(load case 9), 6=76(load case 10), 8=607(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-29/33, 2-3=-144/275, 3-4=-86/226, 4-5=-144/275, 5-6=-29/19
 BOT CHORD 2-9=-205/195, 8-9=-226/212, 7-8=-226/212, 5-7=-205/195
 WEBS 3-9=-232/185, 4-7=-232/185

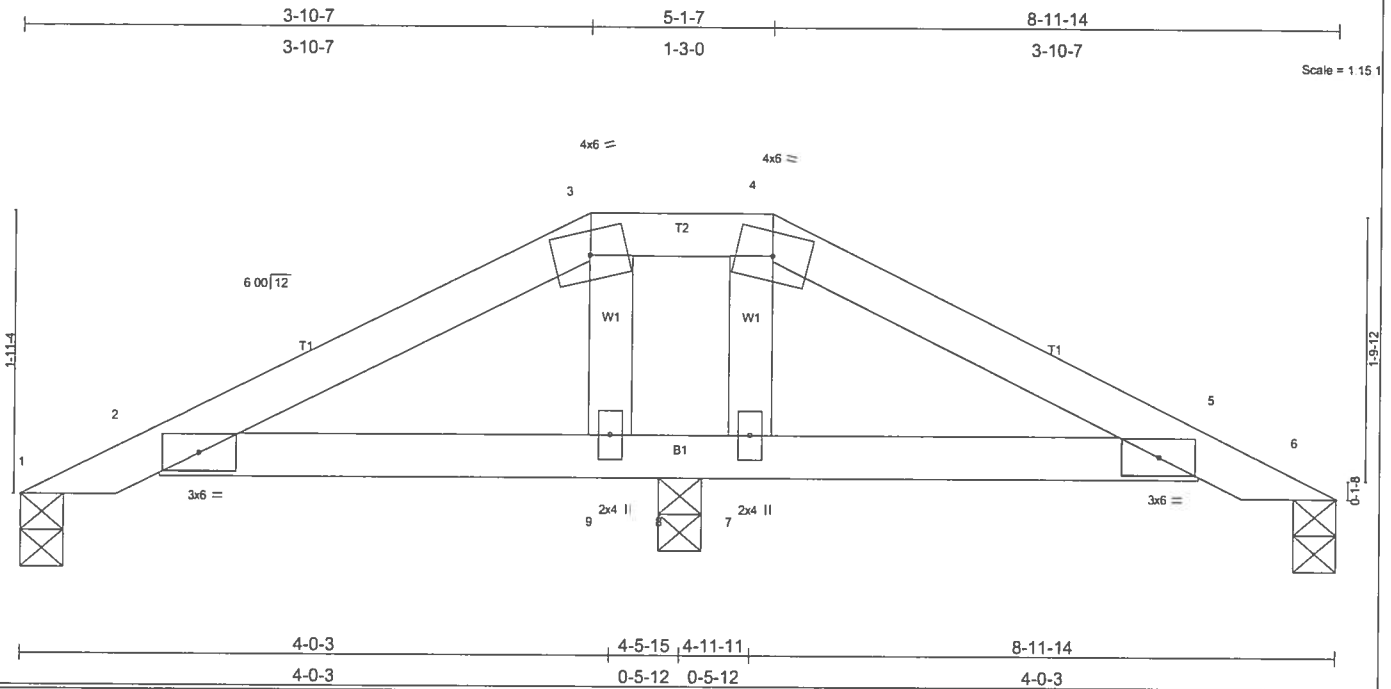
NOTES

- 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.
- Provide adequate drainage to prevent water ponding.
- Bearing at joint(s) 1, 6 considers parallel to grain value using ANSI/TP1 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 24 lb uplift at joint 1, 33 lb uplift at joint 6 and 184 lb uplift at joint 8.
- SEE MiTek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS

LOAD CASE(S) Standard

Job L161722	Truss PB03	Truss Type HIP PIGGYBACK	Qty 1	Ply 1	JENKINS
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/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.29	Vert(LL) -0.02 5-7 >999 240		
BCCL 10.0	Lumber Increase 1.25	WB 0.05	Vert(TL) -0.02 5-7 >999 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.01 6 n/a n/a		
	Code FBC2004/TPI2002			Weight: 29 lb	

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

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

REACTIONS (lb/size) 1=54/0-3-8, 6=54/0-3-8, 8=592/0-3-8
 Max Horz 1=27(load case 4)
 Max Uplift 1=26(load case 5), 6=35(load case 6), 8=177(load case 5)
 Max Grav 1=82(load case 9), 6=82(load case 10), 8=592(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-32/33, 2-3=-131/253, 3-4=-77/207, 4-5=-131/253, 5-6=-32/21
 BOT CHORD 2-9=-186/181, 8-9=-207/199, 7-8=-207/199, 5-7=-186/181
 WEBS 3-9=-227/184, 4-7=-227/184

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) 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.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 26 lb uplift at joint 1, 35 lb uplift at joint 6 and 177 lb uplift at joint 8.
- 6) SEE MiTek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS

LOAD CASE(S) Standard

Job L161722	Truss T01	Truss Type SPECIAL	Qty 1	Ply 2	JENKINS
Builders FirstSource, Lake City, FL 32055			6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Apr 26 09:30:30 2006 Page 1		

-2-0-0	3-9-4	7-0-0	10-2-0	12-4-0	17-8-0	23-0-0	27-6-0	32-0-0	35-2-12	39-0-0	41-0-0
2-0-0	3-9-4	3-2-12	3-2-0	2-2-0	5-4-0	5-4-0	4-6-0	4-6-0	3-2-12	3-9-4	2-0-0

Scale = 1/32
Camber = 1/8 in

7-0-0	10-2-0	12-4-0	17-8-0	23-0-0	27-6-0	32-0-0	39-0-0
7-0-0	3-2-0	2-2-0	5-4-0	5-4-0	4-6-0	4-6-0	7-0-0

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

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.29	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.77	Vert(LL) -0.27 17-18 >999 240		
BCLL 10.0	Rep Stress Incr NO	WB 0.77	Vert(TL) -0.42 17-18 >828 180		
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)	Horz(TL) 0.13 12 n/a n/a		
				Weight: 441 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, B2 2 X 4 SYP No.3
 WEBS 2 X 4 SYP No.3

BRACING
 TOP CHORD Structural wood sheathing directly applied or 5-2-13 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (lb/size) 12=2267/0-4-0, 21=4700/0-4-0
 Max Horz 21=112(load case 4)
 Max Uplift 12=970(load case 5), 21=2146(load case 4)
 Max Grav 12=2363(load case 9), 21=4700(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/47, 2-3=559/695, 3-4=667/927, 4-5=573/823, 5-6=1186/831, 6-7=4462/1739, 7-8=4462/1739, 8-9=6346/2578, 9-10=3867/1588, 10-11=4266/1716, 11-12=4348/1687, 12-13=0/47
 BOT CHORD 2-22=569/594, 21-22=2078/1584, 20-21=98/74, 19-20=34/59, 6-19=2498/1091, 18-19=689/1264, 17-18=2549/6474, 16-17=0/178, 8-17=175/462, 15-16=173/503, 14-15=1883/4745, 12-14=1424/3783
 WEBS 3-22=257/209, 4-22=636/471, 5-22=1213/1938, 5-21=3387/1524, 19-21=2234/1577, 5-19=896/2386, 6-18=1941/4777, 7-18=705/360, 8-18=2450/1129, 15-17=1757/4357, 9-17=711/1853, 9-15=761/477, 9-14=1134/530, 10-14=509/1507, 11-14=111/141

NOTES
 1) 2-ply truss to be connected together with 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 4 - 1 row at 0-9-0 oc.
 Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
 2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
 3) Unbalanced roof live loads have been considered for this design.
 4) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B, enclosed; MWFRS gable end zone; cantilever left exposed; Lumber DOL=1.60 plate grip DOL=1.60.
 5) Provide adequate drainage to prevent water ponding.
 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 970 lb uplift at joint 12 and 2146 lb uplift at joint 21.
 7) Girder carries tie-in span(s): 5-11-13 from 12-4-0 to 23-0-0; 3-2-6 from 12-4-0 to 23-0-0
 8) Girder carries hip end with 26-8-0 right side setback, 7-0-0 left side setback, and 7-0-0 end setback.
 9) Girder carries hip end with 7-0-0 right side setback, 23-0-0 left side setback, and 7-0-0 end setback.
 10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 539 lb down and 277 lb up at 7-0-0, and 539 lb down and 277 lb up at 32-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
 1) Regular: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert 1-4=54, 4-6=117(F=63), 6-8=131(F=77), 8-10=117(F=63), 10-13=54, 2-22=30, 20-22=65(F=35), 17-19=48(F=18), 14-16=65(F=35), 12-14=30
 Concentrated Loads (lb)
 Vert 22=539(F) 14=539(F)

Job L161722	Truss T02	Truss Type SPECIAL	Qty 1	Ply 1	JENKINS
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Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055

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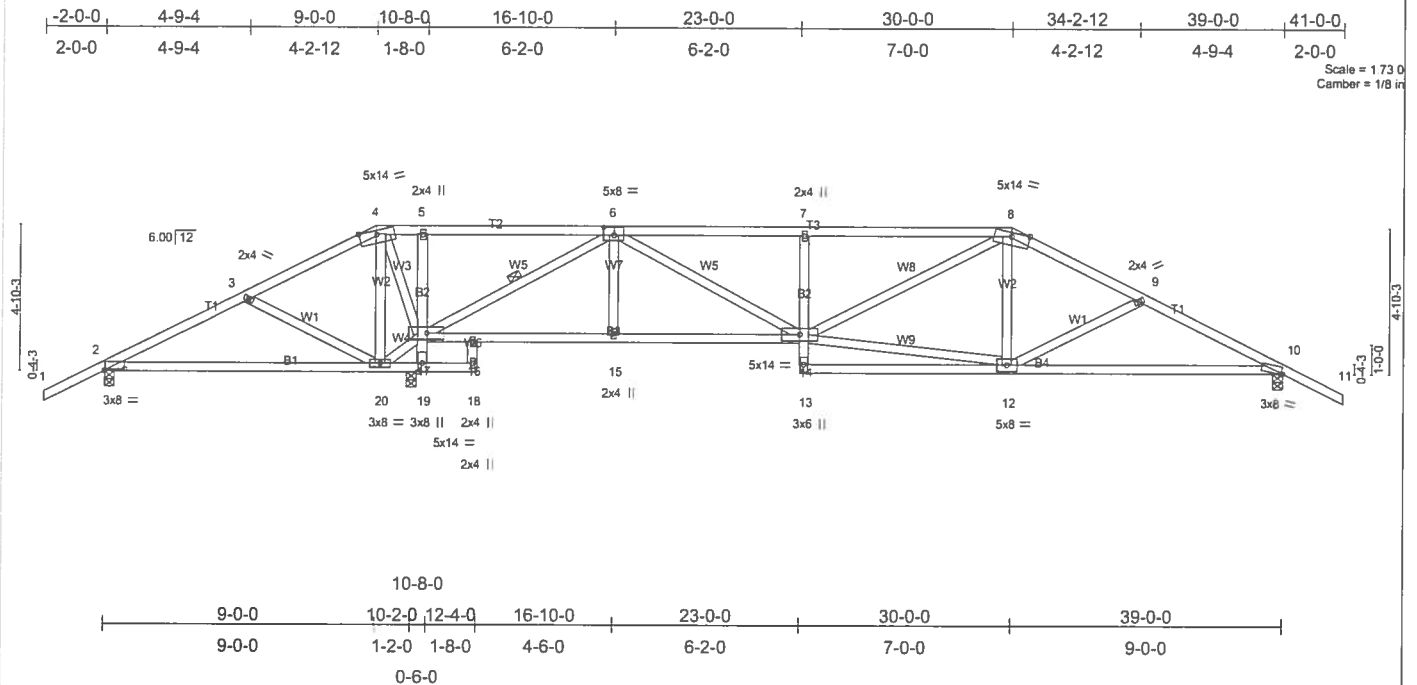


Plate Offsets (X,Y): [2-0-8-4-0-0-10], [6-0-4-0-0-3-0], [10-0-0-10-Edge]

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 0.51	Vert(LL) 0.21 2-20 >586 240		
BCCL 10.0	Lumber Increase 1.25	WB 0.59	Vert(TL) 0.16 2-20 >772 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.05 10 n/a n/a		
	Code FBC2004/TPI2002			Weight: 222 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, B2 2 X 4 SYP No.3
 WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 4-5-5 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
 WEBS 1 Row at midpt 6-17

REACTIONS (lb/size) 2=142/0-4-0, 19=2184/0-4-0, 10=1156/0-4-0

Max Horz 2=101(load case 5)
 Max Uplift 2=-333(load case 5), 19=-797(load case 4), 10=-455(load case 6)
 Max Grav 2=176(load case 9), 19=2184(load case 1), 10=1162(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/47, 2-3=-128/654, 3-4=-155/783, 4-5=-297/1128, 5-6=-297/1123, 6-7=-1734/776, 7-8=-1716/778, 8-9=-1553/659, 9-10=-1780/754,
 10-11=0/47
 BOT CHORD 2-20=-548/203, 19-20=-220/88, 18-19=0/0, 17-19=-2215/1191, 5-17=-337/215, 16-17=-221/785, 15-16=-221/785, 14-15=-221/785,
 13-14=0/89, 7-14=-369/257, 12-13=-40/128, 10-12=-507/1543
 WEBS 3-20=-339/315, 4-20=-657/760, 17-20=-546/259, 4-17=-1244/820, 6-17=-2148/822, 6-15=0/181, 6-14=-409/1102, 12-14=-301/1240,
 8-14=-250/481, 8-12=-4/170, 9-12=-220/191, 16-18=-41/8

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; 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 333 lb uplift at joint 2, 797 lb uplift at joint 19 and 455 lb uplift at joint 10.

LOAD CASE(S) Standard

Job L161722	Truss T03	Truss Type SPECIAL	Qty 1	Ply 1	JENKINS
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Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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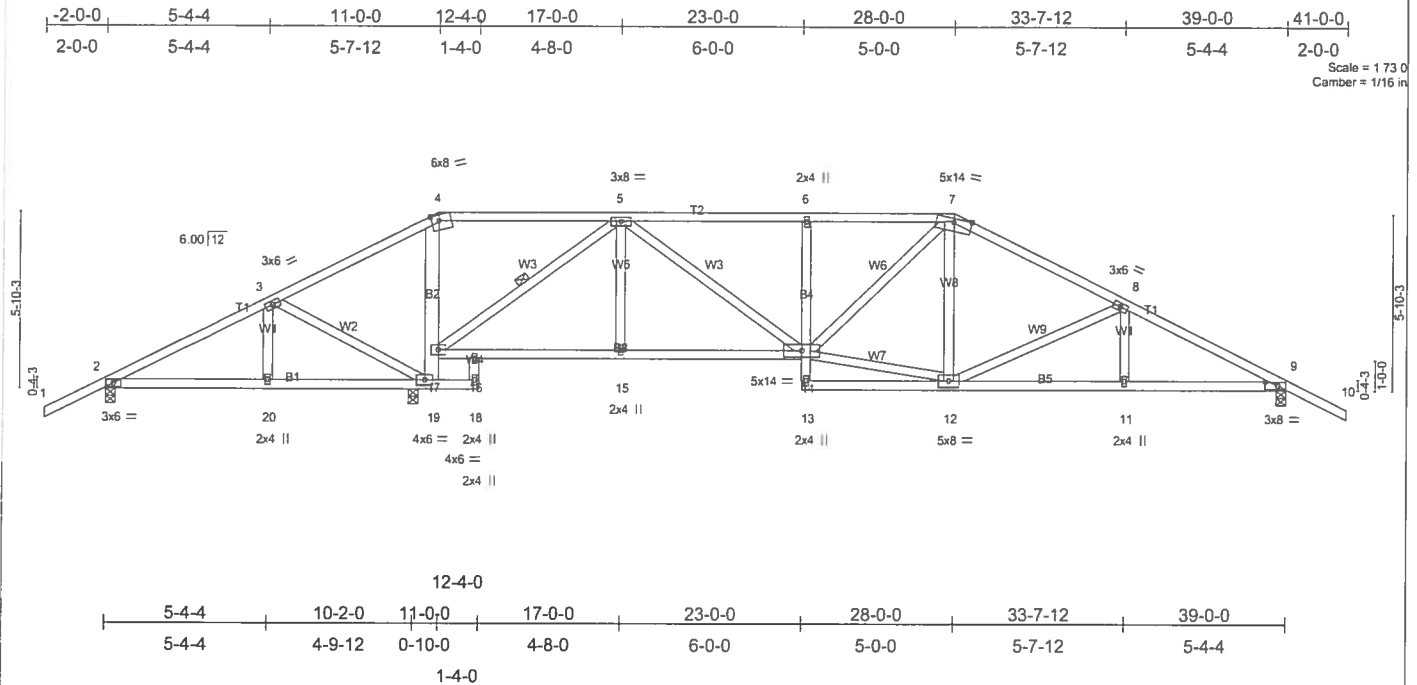


Plate Offsets (X,Y): [4-0-3-3,Edge], [9-0-4-12,0-1-8]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.35	Vert(LL)	-0.12	14-15	>999	240	MT20
TCDL 7.0	Lumber Increase	1.25	BC 0.38	Vert(TL)	-0.19	14-15	>999	180	244/190
BCLL 10.0	Rep Stress Incr	YES	WB 0.50	Horz(TL)	0.03	9	n/a	n/a	
BCDL 5.0	Code FBC2004/TP12002		(Matrix)						Weight: 226 lb

LUMBER

TOP CHORD 2 X 4 SYP No.2
 BOT CHORD 2 X 4 SYP No.2 *Except*
 B2 2 X 6 SYP No.1D, B4 2 X 4 SYP No.3
 WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 4-4-14 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
 WEBS 1 Row at midpt 5-17

REACTIONS (lb/size) 2=278/0-4-0, 9=1188/0-4-0, 19=2016/0-4-0

Max Horz 2=115(load case 5)
 Max Uplift 2=-375(load case 5), 9=-489(load case 6), 19=-659(load case 4)
 Max Grav 2=313(load case 9), 9=1199(load case 10), 19=2016(load case 1)

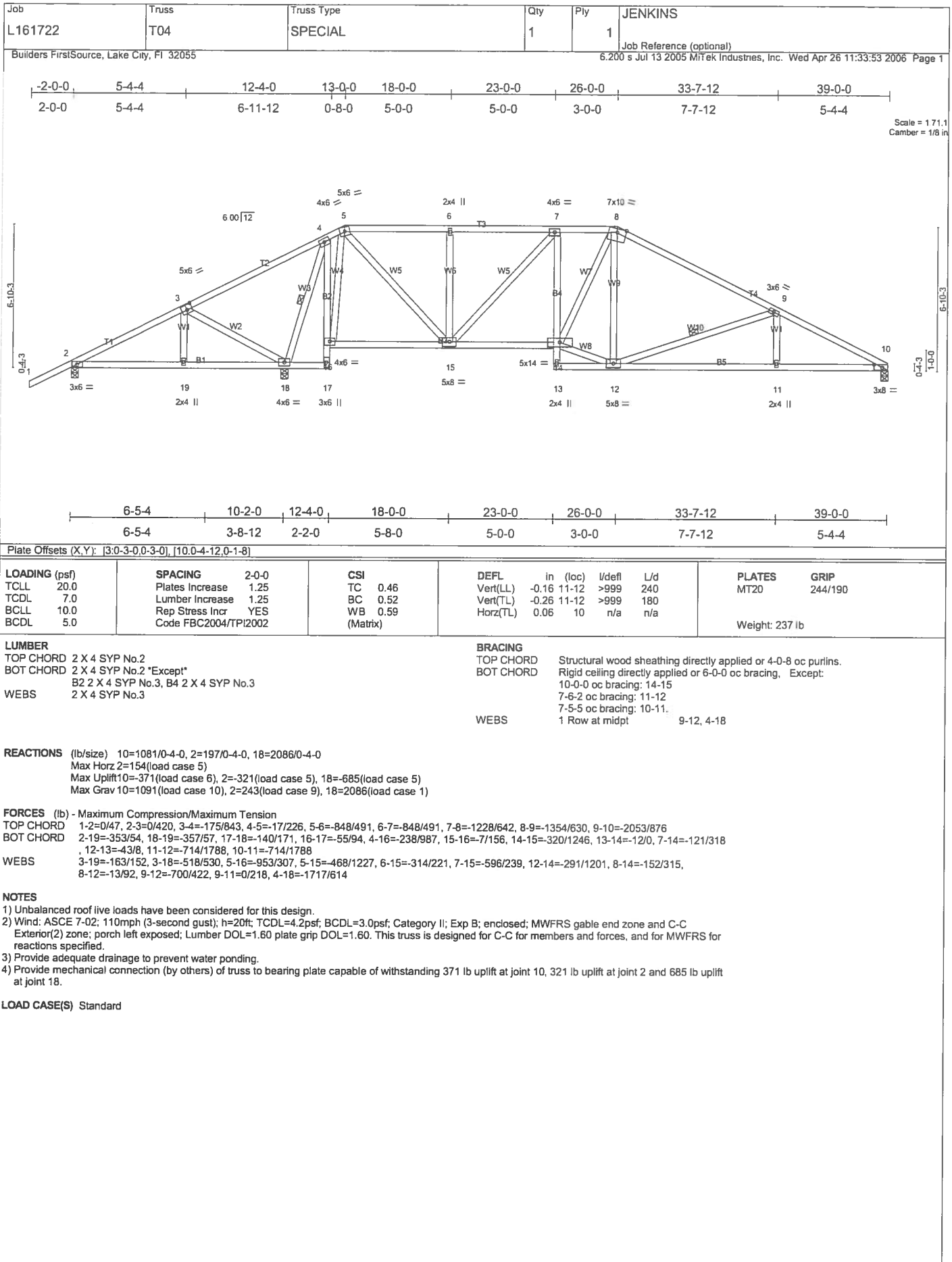
FORCES (lb) - Maximum Compression/Maximum Tension

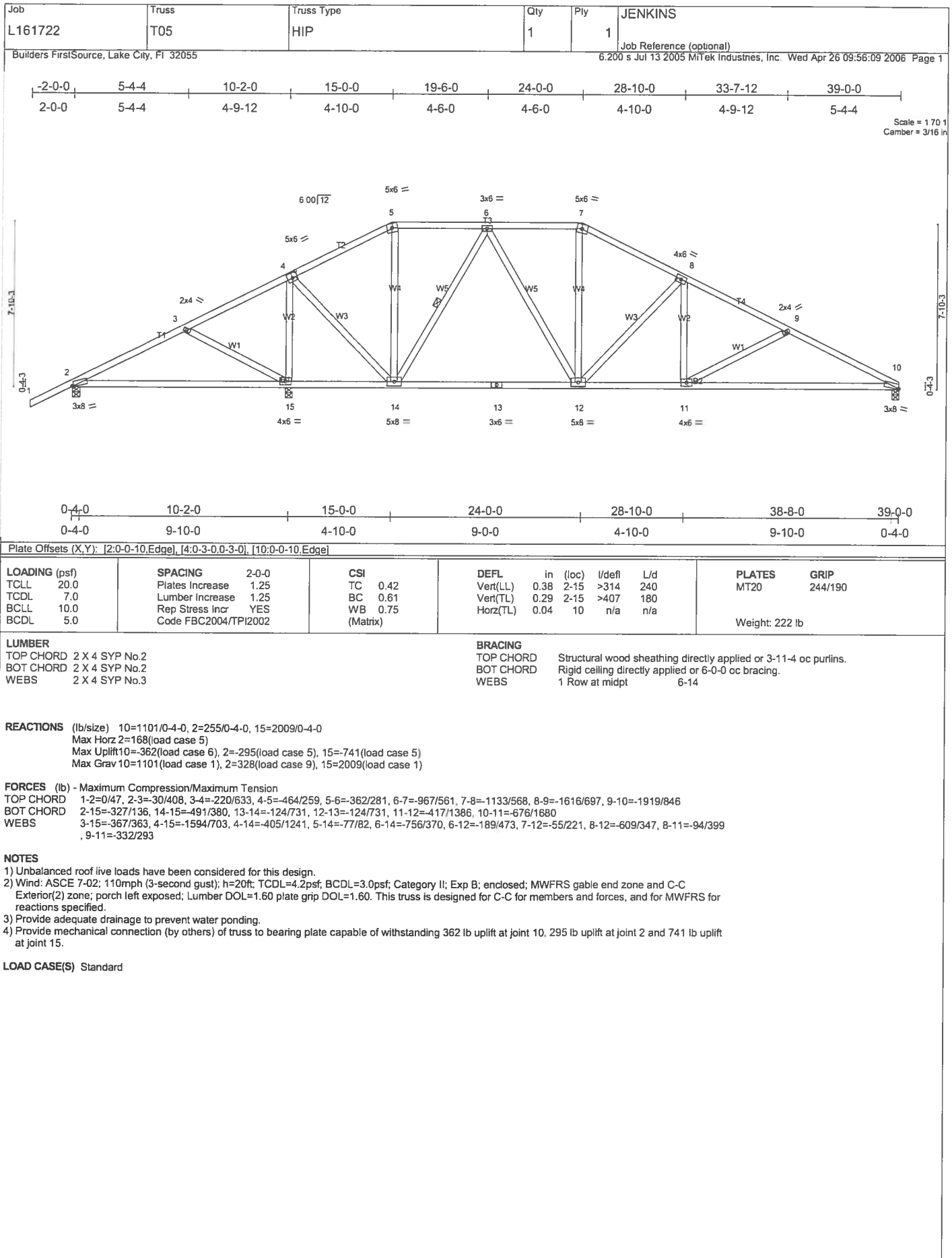
TOP CHORD 1-2=0/47, 2-3=-48/375, 3-4=-98/687, 4-5=-54/598, 5-6=-1475/735, 6-7=-1451/725, 7-8=-1446/678, 8-9=-1949/790, 9-10=0/47
 BOT CHORD 2-20=-242/29, 19-20=-248/33, 18-19=0/0, 17-19=-1564/559, 4-17=-591/241, 16-17=-238/817, 15-16=-238/817, 14-15=-238/817, 13-14=0/68
 , 6-14=-304/214, 12-13=-32/64, 11-12=-540/1672, 9-11=-540/1672
 WEBS 3-20=-196/191, 3-19=-523/525, 5-17=-1685/617, 5-15=0/161, 5-14=-297/841, 12-14=-283/1198, 7-14=-189/368, 7-12=-38/124,
 8-12=-487/256, 8-11=0/172, 16-18=-102/55

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) 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; 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 375 lb uplift at joint 2, 489 lb uplift at joint 9 and 659 lb uplift at joint 19.

LOAD CASE(S) Standard





Job L161722	Truss T06	Truss Type HIP	Qty 1	Ply 1	JENKINS
Builders FirstSource, Lake City, FL 32055					
6,200 s Jul 13 2005 MiTek Industries, Inc. Wed Apr 26 10:08:20 2006 Page 1					

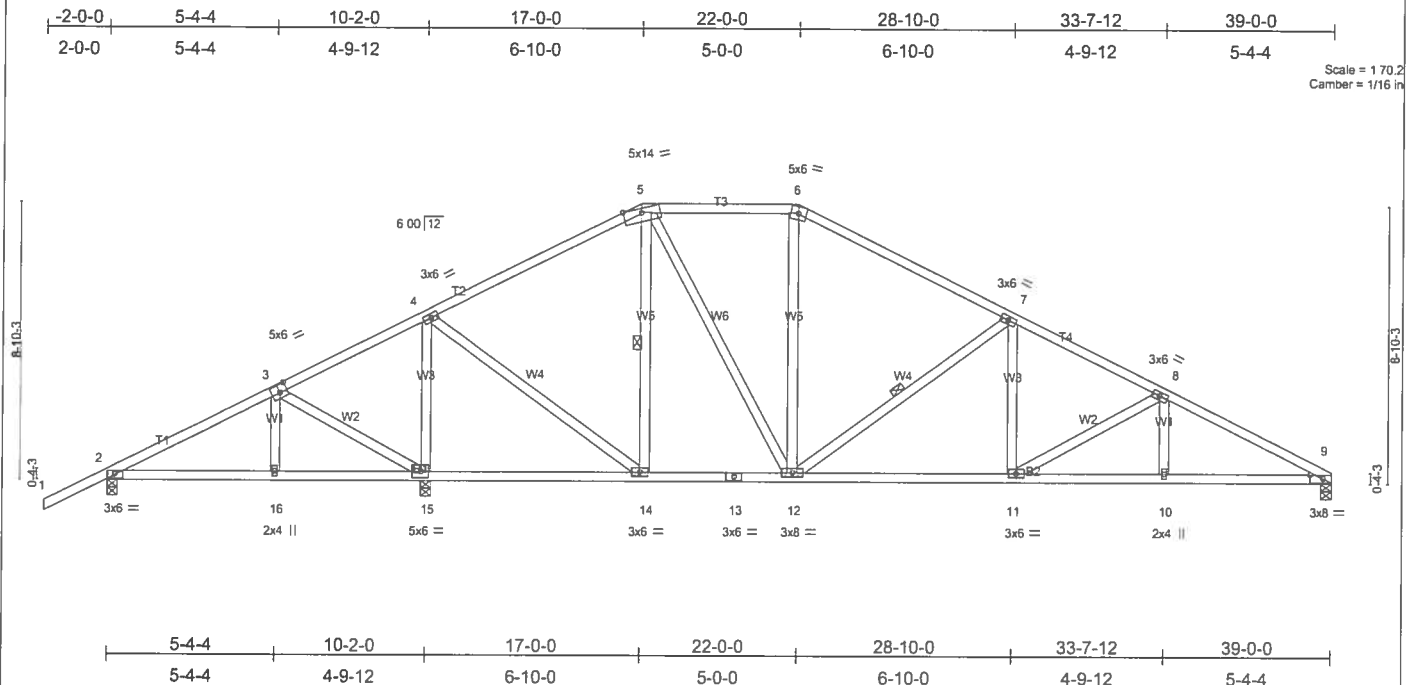


Plate Offsets (X,Y): [3-0-3-0-3-0], [9-0-4-12-0-1-8]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.43	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.48	Vert(LL) -0.13 11-12 >999 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.73	Vert(TL) -0.22 11-12 >999 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.04 9 n/a n/a		
	Code FBC2004/TPI2002			Weight: 226 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-2-5 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 5-14, 7-12

REACTIONS (lb/size) 9=1115/0-4-0, 2=296/0-4-0, 15=1954/0-4-0
Max Horz 2=182(load case 5)
Max Uplift 9=-377(load case 6), 2=-301(load case 5), 15=-751(load case 5)
Max Grav 9=1115(load case 1), 2=363(load case 9), 15=1954(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-135/232, 3-4=-210/553, 4-5=-696/384, 5-6=-828/544, 6-7=-1007/526, 7-8=-1628/733, 8-9=-2057/851
BOT CHORD 2-16=-187/71, 15-16=-191/75, 14-15=-436/372, 13-14=-41/538, 12-13=-41/538, 11-12=-456/1410, 10-11=-678/1770, 9-10=-678/1770
WEBS 3-16=-190/142, 3-15=-423/462, 4-15=-1546/783, 4-14=-438/1220, 5-14=-552/304, 5-12=-268/638, 6-12=-9/132, 7-12=-725/430, 7-11=-83/391, 8-11=-416/255, 8-10=0/158

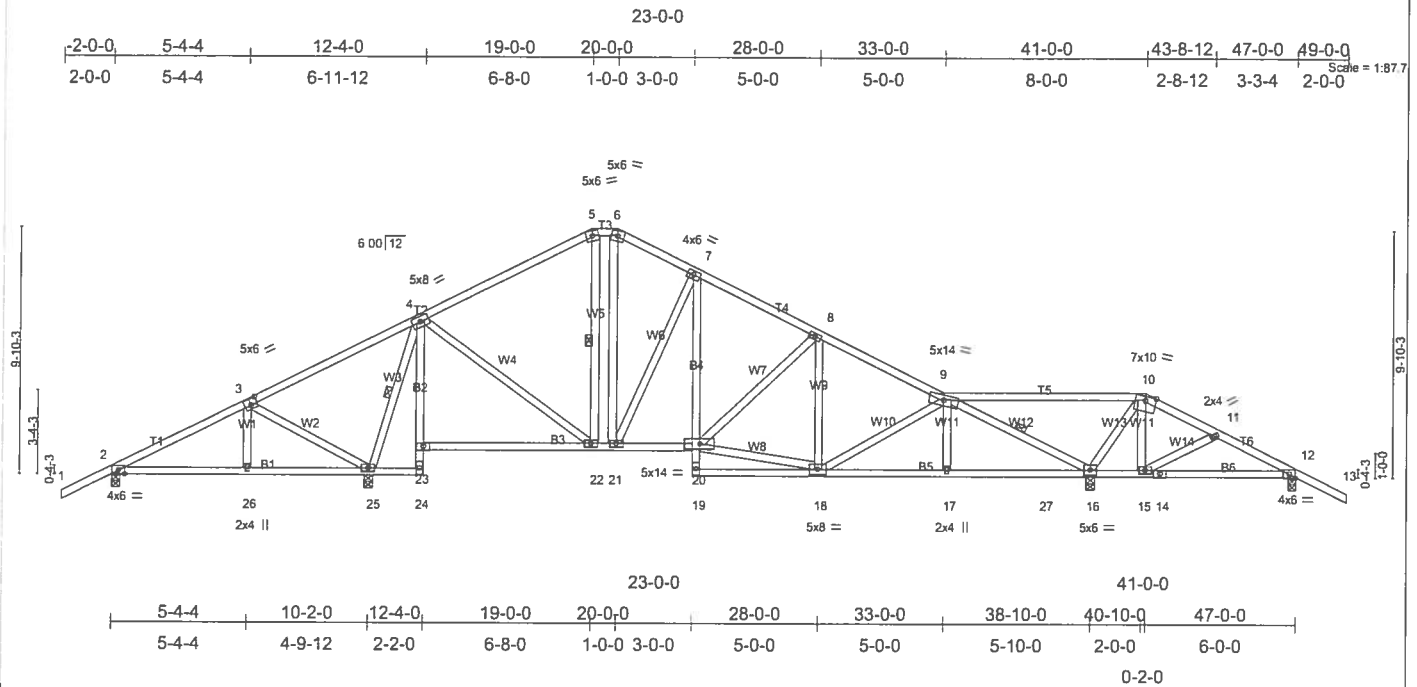
NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02: 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 377 lb uplift at joint 9, 301 lb uplift at joint 2 and 751 lb uplift at joint 15.

LOAD CASE(S) Standard

Job L161722	Truss T07	Truss Type SPECIAL	Qty 1	Ply 1	JENKINS
Builders FirstSource, Lake City, FL 32055			Job Reference (optional)		

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LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.61	Vert(LL)	-0.08	17-18	>999	240	
TCDL 7.0	Lumber Increase	1.25	BC 0.45	Vert(TL)	-0.13	17-18	>999	180	
BCLL 10.0	Rep Stress Incr	NO	WB 0.66	Horz(TL)	0.03	16	n/a	n/a	
BCDL 5.0	Code FBC2004/TP12002		(Matrix)						
									Weight: 302 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 5-6-4 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
 WEBS 1 Row at midpt 5-22, 9-16, 4-25

REACTIONS (lb/size) 2=250/0-4-0, 25=1908/0-4-0, 16=2567/0-4-0, 12=183/0-4-0
 Max Horz 2=-171(load case 4)
 Max Uplift 2=-324(load case 5), 25=-711(load case 5), 16=-1162(load case 4), 12=-297(load case 4)
 Max Grav 2=302(load case 9), 25=1908(load case 1), 16=2567(load case 1), 12=191(load case 8)

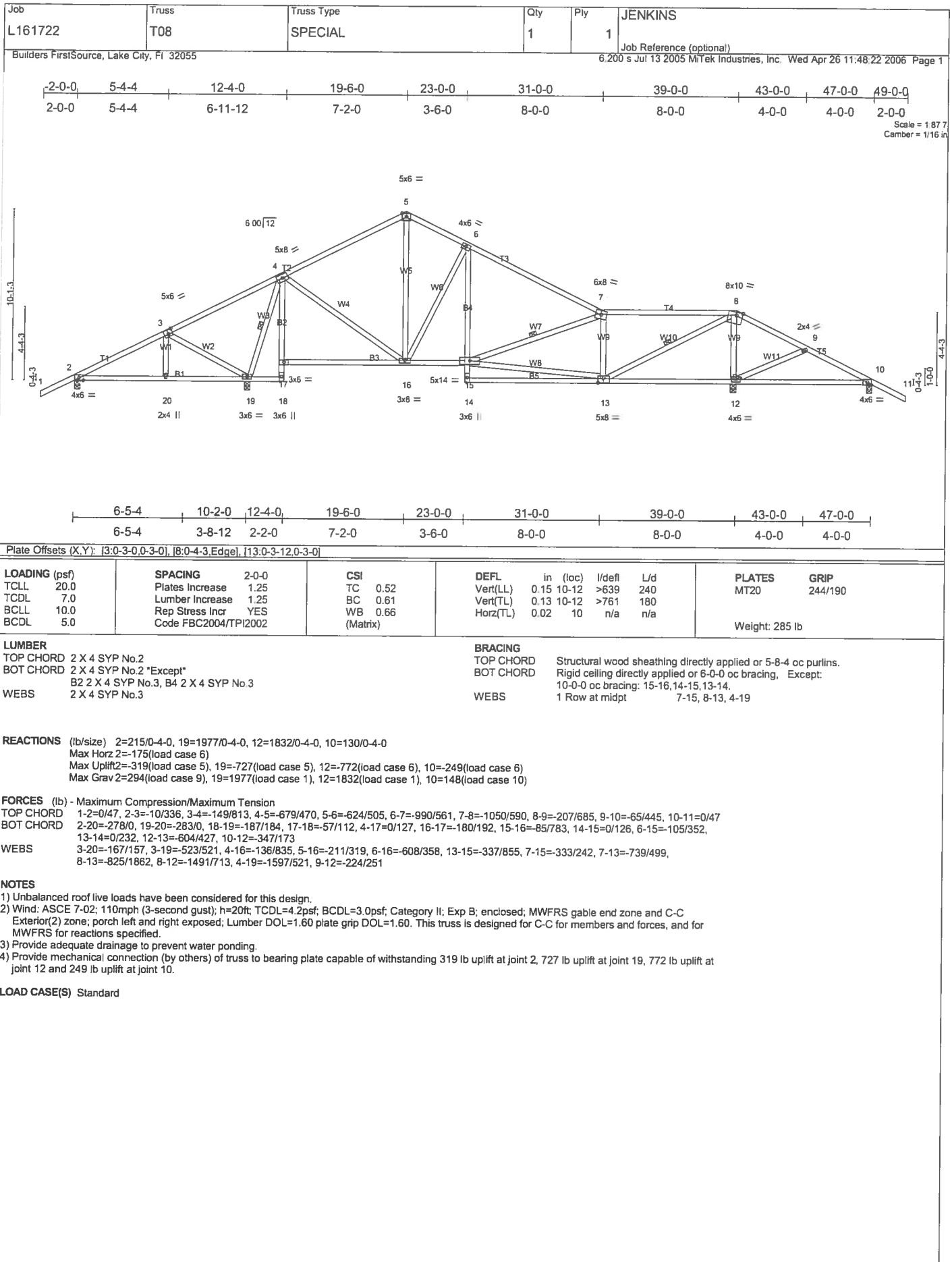
FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/47, 2-3=-27/345, 3-4=-138/738, 4-5=-677/397, 5-6=-527/397, 6-7=-633/414, 7-8=-926/464, 8-9=-1083/494, 9-10=-359/1087,
 10-11=0/401, 11-12=0/288, 12-13=0/47
 BOT CHORD 2-26=-194/0, 25-26=-199/0, 24-25=-128/145, 23-24=-45/76, 4-23=0/94, 22-23=-120/157, 21-22=0/527, 20-21=-42/778, 19-20=0/75,
 7-20=-147/445, 18-19=-7/82, 17-18=-219/858, 17-27=-217/866, 16-27=-217/866, 15-16=-269/89, 14-15=-233/57, 12-14=-233/57
 WEBS 3-26=-106/158, 3-25=-526/410, 4-22=-71/806, 5-22=-147/140, 6-21=-243/358, 7-21=-633/330, 18-20=-174/840, 8-20=-184/182, 8-18=-54/46,
 9-18=0/101, 9-17=0/175, 9-16=-2203/879, 10-16=-1411/816, 10-15=-328/441, 11-15=-77/58, 4-25=-1537/430

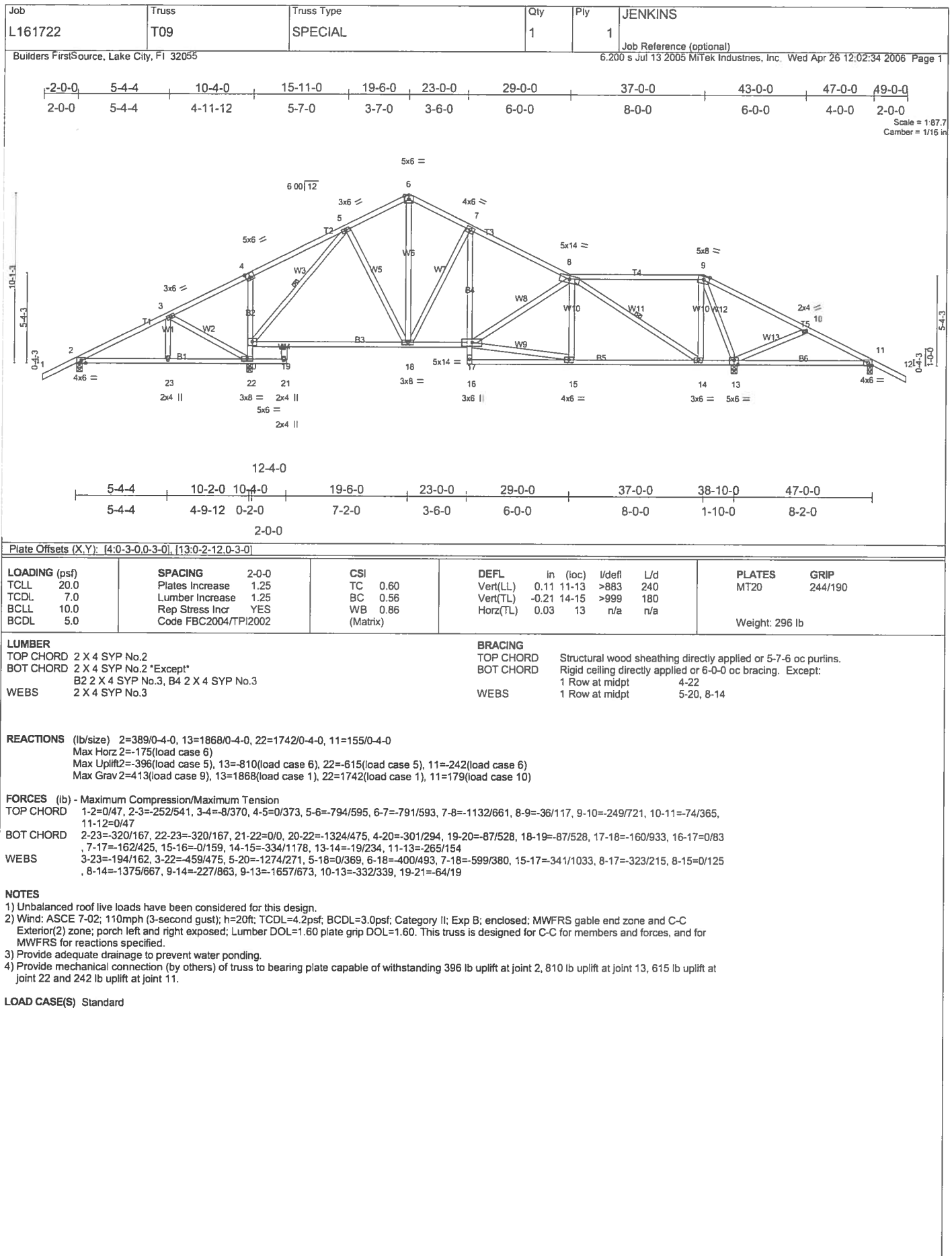
NOTES

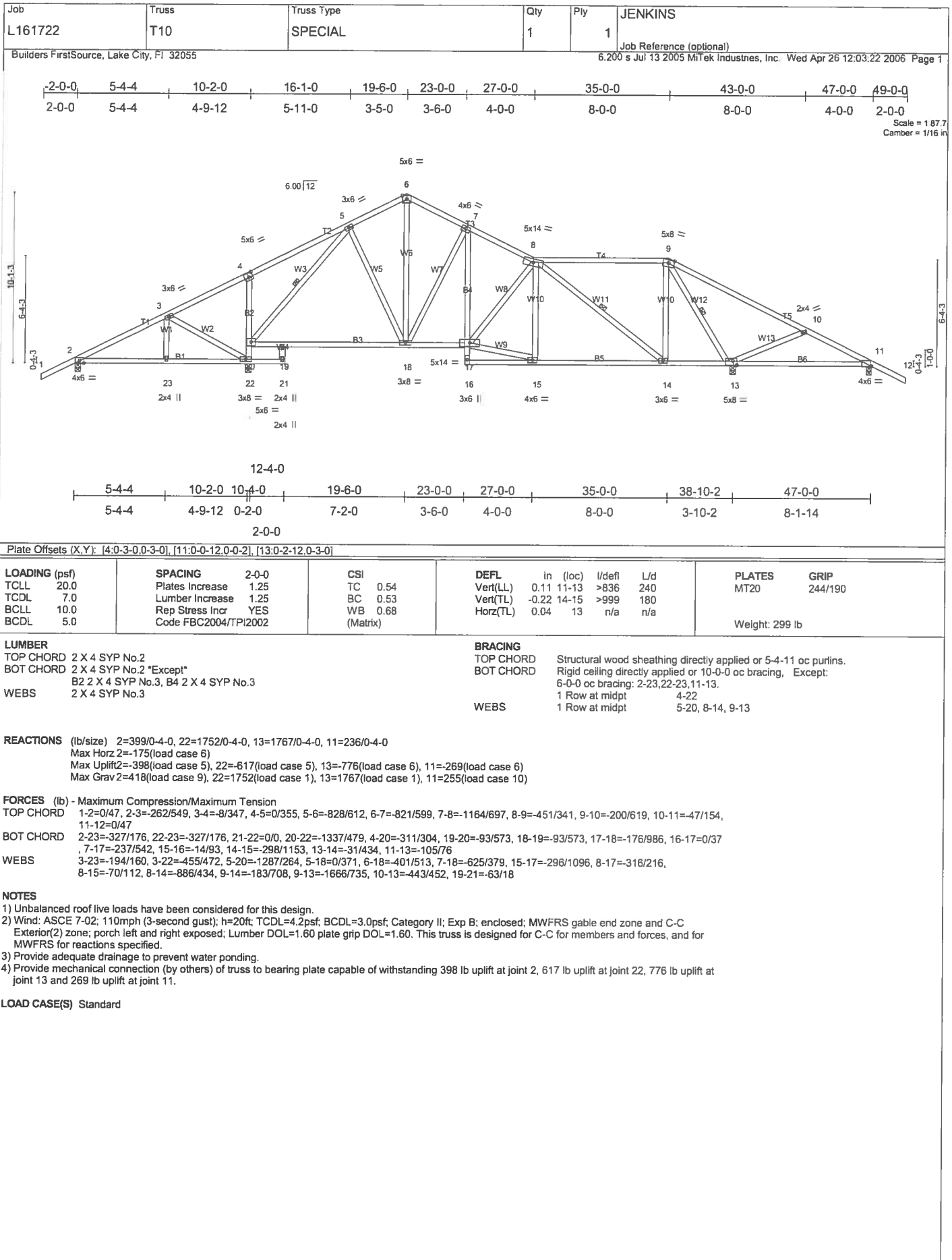
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60.
- Provide adequate drainage to prevent water ponding.
- All plates are 3x6 MT20 unless otherwise indicated.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 324 lb uplift at joint 2, 711 lb uplift at joint 25, 1162 lb uplift at joint 16 and 297 lb uplift at joint 12.
- Girder carries tie-in span(s): 6-0-0 from 6-0-0 to 10-0-0
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 182 lb down and 123 lb up at 41-0-0 on top 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).

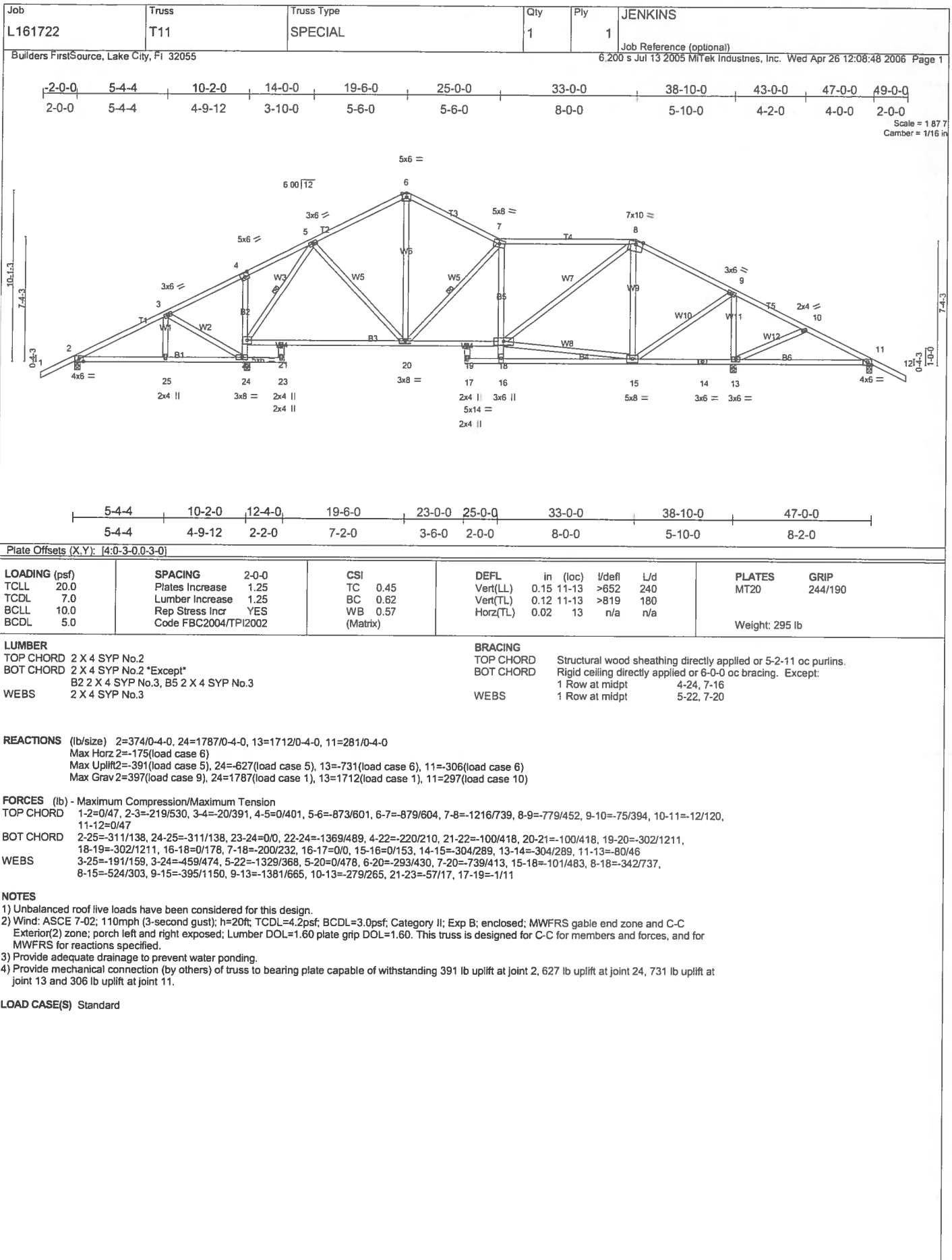
LOAD CASE(S) Standard

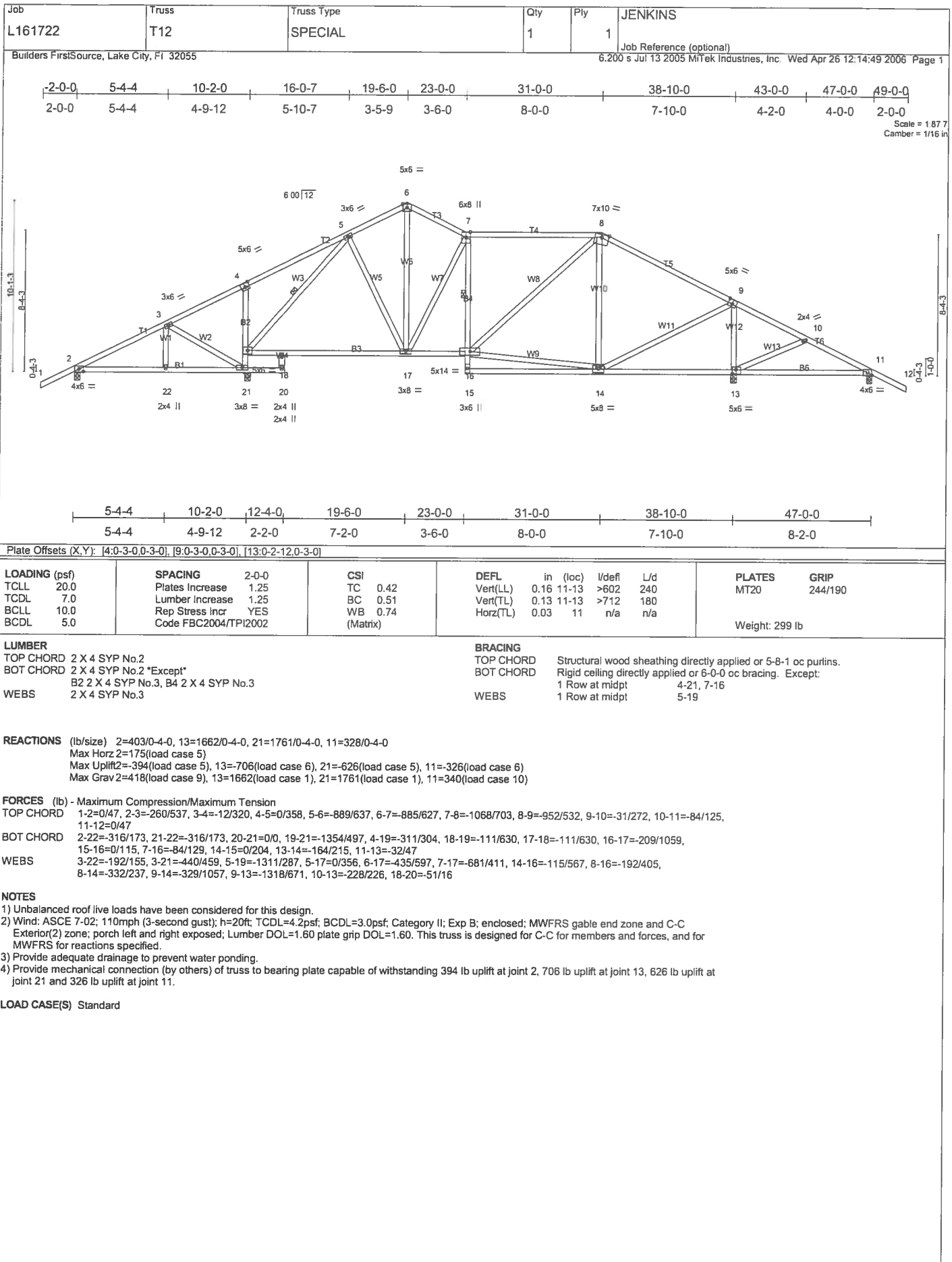
- Regular: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-5=-54, 5-6=-54, 6-9=-54, 9-10=-54, 10-13=-54, 2-24=-30, 20-23=-30, 19-27=-30, 15-27=-107(B=77), 12-15=-30
 Concentrated Loads (lb)
 Vert: 10=-182(B) 15=-276(B)











Job: JENKINS

Truss Type: SPECIAL

Truss: T13

Qty: 1

Ply: 1

Builders FirstSource, Lake City, FL 32055

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

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

Plate Offsets (X,Y): [3:0-3-0-0-3-0], [8:0-3-0-0-3-0], [13:0-3-8-0-3-4]

LOADING (psf)

TCLL	20.0
TCDL	7.0
BCLL	10.0
BCDL	5.0

SPACING

Plates Increase	1.25
Lumber Increase	1.25
Rep Stress Incr	YES
Code	FBC2004/TPI2002

CSI

TC	0.41
BC	0.47
WB	0.43

(Matrix)

DEFL

in (loc)	l/defl	L/d
Vert(LL)	0.16 11-13	>604 240
Vert(TL)	-0.31 13-14	>999 180
Horz(TL)	0.03 11	n/a n/a

PLATES

MT20	244/190
------	---------

GRIP

244/190

Weight: 298 lb

LUMBER

TOP CHORD 2 X 4 SYP No.2

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

WEBS 2 X 4 SYP No.3, B2 2 X 4 SYP No.3, B4 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 5-11-1 oc purlins.

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:

WEBS 6-0-0 oc bracing: 17-18, 11-13.

1 Row at midpt 4-21, 6-16

1 Row at midpt 7-14, 8-13

REACTIONS (lb/size)

2=460/0-4-0, 21=1697/0-4-0, 13=1676/0-4-0, 11=322/0-4-0

Max Horz 2=-164(load case 6)

Max Uplift 2=-418(load case 5), 21=-588(load case 5), 13=-665(load case 6), 11=-310(load case 6)

Max Grav 2=462(load case 9), 21=1697(load case 1), 13=1676(load case 1), 11=330(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/47, 2-3=-353/601, 3-4=0/316, 4-5=-968/590, 5-6=-951/647, 6-7=-952/651, 7-8=-936/581, 8-9=0/270, 9-10=-80/275, 10-11=-94/91, 11-12=0/47

BOT CHORD 2-22=-371/255, 21-22=-366/250, 20-21=0/0, 19-21=-1311/446, 4-19=-1271/467, 18-19=-126/34, 17-18=-126/34, 16-17=-159/774, 15-16=0/57, 6-16=-305/218, 14-15=-17/45, 13-14=-51/572, 11-13=-56/47

WEBS 3-22=-189/159, 3-21=-437/449, 4-17=-154/988, 5-17=-256/115, 5-16=-142/417, 14-16=-87/756, 7-16=-173/343, 7-14=-154/150, 8-14=-85/388, 8-13=-1270/545, 9-13=-264/258, 10-13=-250/278, 18-20=-36/17

NOTES

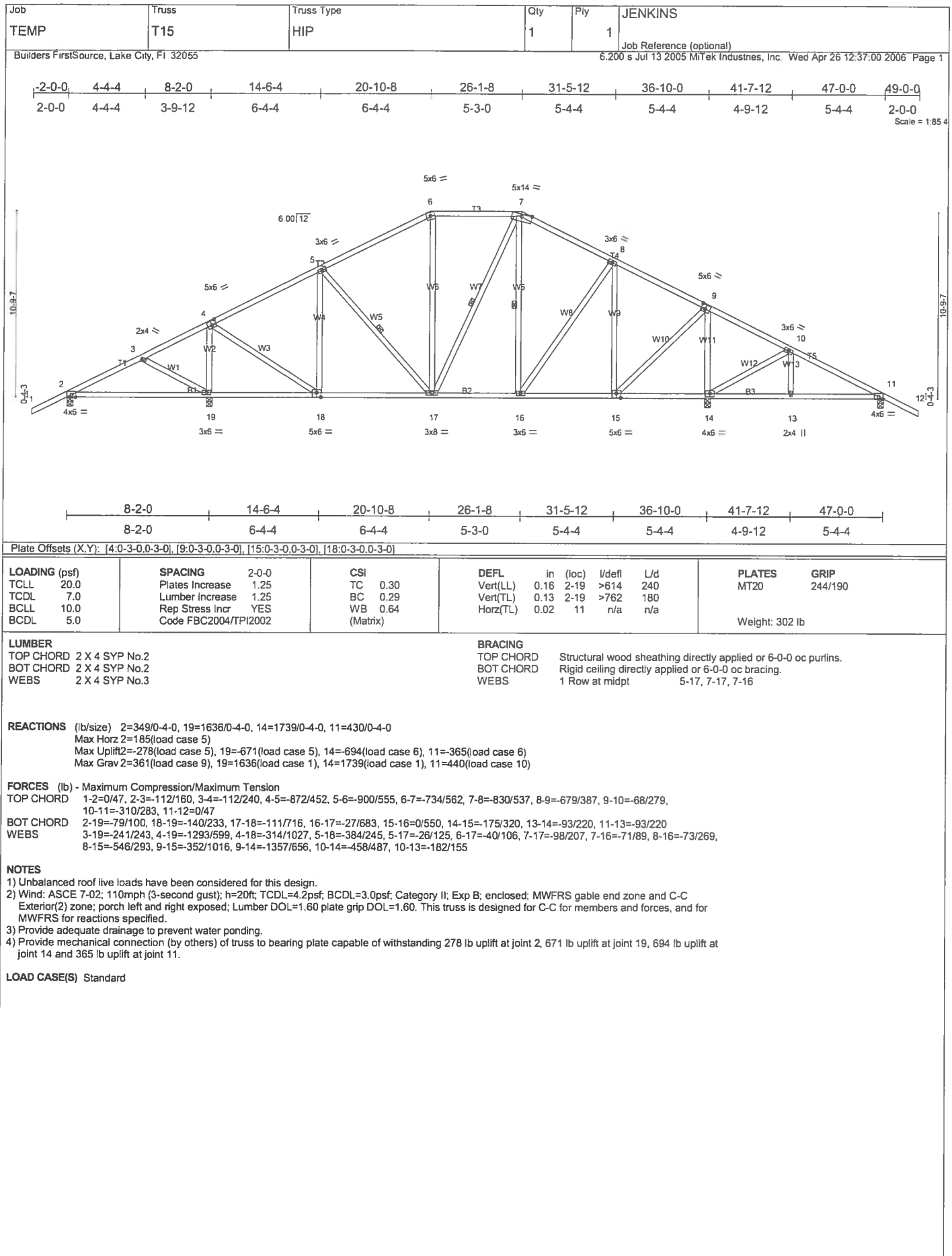
1) Unbalanced roof live loads have been considered for this design.

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

3) Provide adequate drainage to prevent water ponding.

4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 418 lb uplift at joint 2, 588 lb uplift at joint 21, 665 lb uplift at joint 13 and 310 lb uplift at joint 11.

LOAD CASE(S) Standard



Job L161722	Truss T16	Truss Type MONO HIP	Qty 1	Ply 1	JENKINS
Builders FirstSource, Lake City, FL 32055			6,200 s Jul 13 2005 Mitek Industries, Inc. Wed Apr 26 12:41:05 2006 Page 1		

Scale = 1:67.0
Camber = 1/8 in

Scale = 1:67.0
Camber = 1/8 in

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCCL 20.0	Plates Increase 1.25	TC 0.85	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.88	Vert(LL) -0.21 16-17 >999 240		
BCLL 10.0	Rep Stress Incr NO	WB 0.74	Vert(TL) -0.35 16-17 >745 180		
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)	Horz(TL) 0.07 10 n/a n/a		
Weight: 190 lb					

LUMBER TOP CHORD 2 X 4 SYP No.2 BOT CHORD 2 X 4 SYP No.2 WEBS 2 X 4 SYP No.3	BRACING TOP CHORD Structural wood sheathing directly applied or 3-6-3 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. WEBS 1 Row at midpt 5-13, 7-13
--	--

REACTIONS (lb/size) 10=819/Mechanical, 2=1578/0-4-0, 13=4262/0-5-0 (0-4-0 + bearing block)
 Max Horz 2=227(load case 4)
 Max Uplift 10=-381(load case 2), 2=-710(load case 4), 13=-1912(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/47, 2-3=-2721/1097, 3-4=-2376/1025, 4-5=-1571/639, 5-6=-897/1967, 6-7=-897/1967, 7-8=-349/114, 8-9=-116/25, 9-10=-279/215
 BOT CHORD 2-17=-1017/2346, 16-17=-1004/2123, 15-16=-350/665, 14-15=-350/665, 13-14=-350/665, 12-13=-178/62, 11-12=-178/62, 10-11=-315/547
 WEBS 3-17=-224/721, 4-17=-120/312, 4-16=-952/629, 5-16=-499/1564, 5-13=-3218/1525, 6-13=-610/489, 7-13=-2219/1071, 7-11=-234/936, 8-11=-352/366, 8-10=-530/356

NOTES

- 1) 2 X 4 SYP No.2 bearing block 12" long at jt. 13 attached to front face with 2 rows of 0.131"x3" Nails spaced 3" o.c. 8 Total fasteners. Bearing is assumed to be SYP.
- 2) 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; Lumber DOL=1.60 plate grip DOL=1.60.
- 3) Provide adequate drainage to prevent water ponding.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 381 lb uplift at joint 10, 710 lb uplift at joint 2 and 1912 lb uplift at joint 13.
- 6) Girder carries hip end with 0-0-0 right side setback, 7-0-0 left side setback, and 7-0-0 end setback.
- 7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 539 lb down and 277 lb up at 7-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

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

Uniform Loads (plf)
 Vert: 1-3=-54, 3-9=-117(F=63), 2-17=-30, 10-17=-65(F=35)
 Concentrated Loads (lb)
 Vert: 17=-539(F)

MAY 01, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Job	Truss	Truss Type	Qty	Ply	JENKINS
L161722	T18	MONO HIP	1	1	Job Reference (optional)

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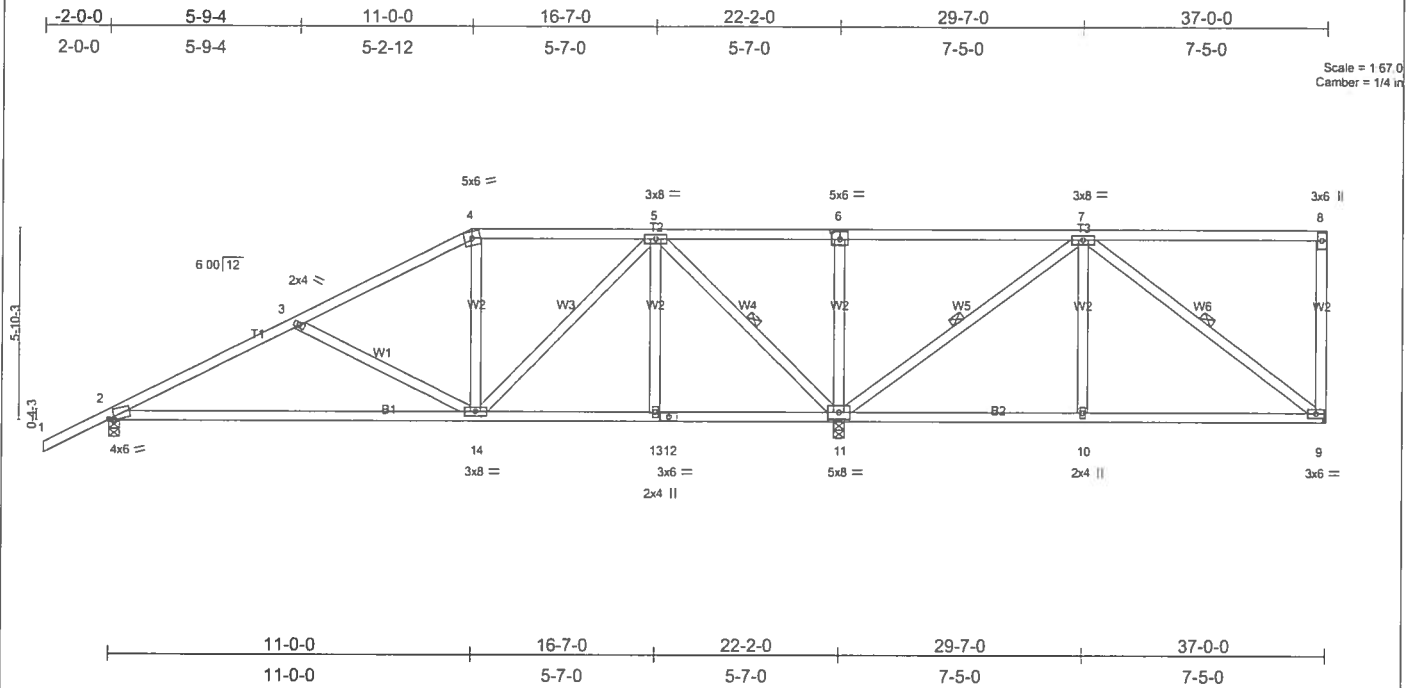


Plate Offsets (X,Y): [2:0-2-1,0-0-11], [6:0-3-0,0-3-0]

LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.54	Vert(LL) -0.31 2-14 >851 240	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.54	Vert(TL) -0.54 2-14 >491 180		
BCLL 10.0	Rep Stress Incr YES	WB 0.37	Horz(TL) 0.03 9 n/a n/a		
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)		Weight: 212 lb	

BRACING

TOP CHORD	Structural wood sheathing directly applied or 5-2-8 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 8-2-11 oc bracing: 2-14.
WEBS	1 Row at midpt 5-11, 7-11, 7-9

(lb/size) 9=394/Mechanical, 2=898/0-4-0, 11=1906/0-4-0
Max Horz 2=318(load case 5)
Max Uplift 9=-186(load case 3), 2=-360(load case 5), 11=-666(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension

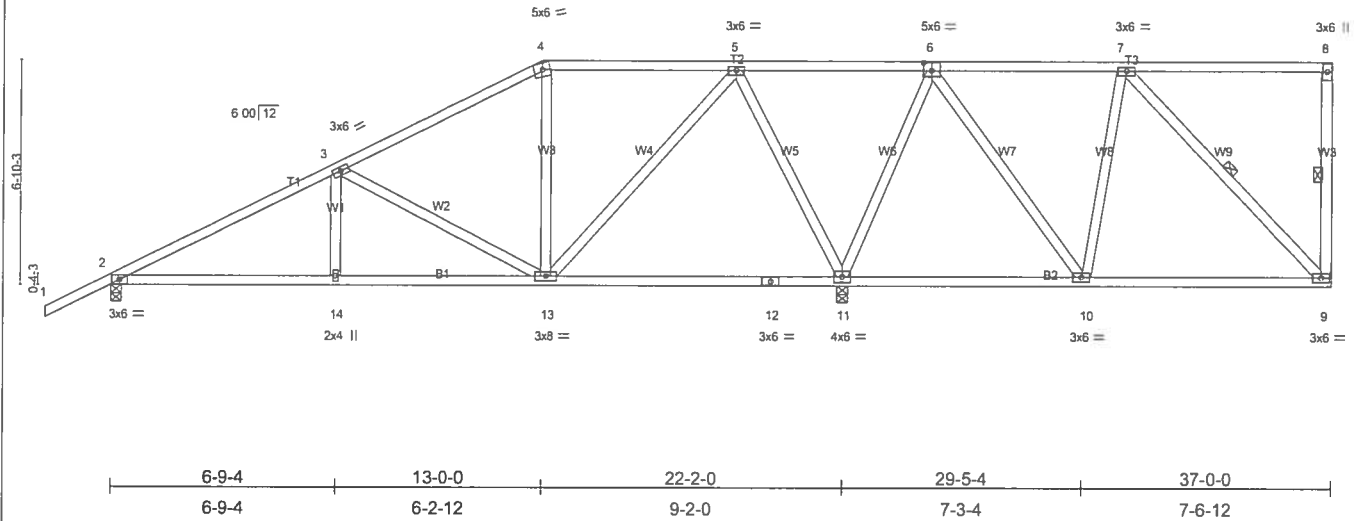
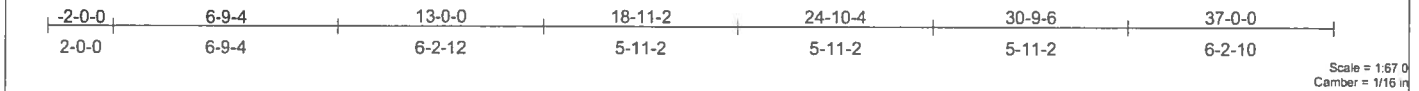
TOP CHORD	1-2=0/47, 2-3=-1159/435, 3-4=-824/282, 4-5=-676/310, 5-6=-233/527, 6-7=-233/527, 7-8=-44/17, 8-9=-178/125
BOT CHORD	2-14=-577/198, 13-14=-130/272, 12-13=-130/272, 11-12=-130/272, 10-11=-121/190, 9-10=-121/190
WEBS	3-14=-364/297, 4-14=0/113, 5-14=-257/577, 5-13=0/97, 5-11=-1128/512, 6-11=-358/256, 7-11=-896/368, 7-10=0/225, 7-9=-184/131

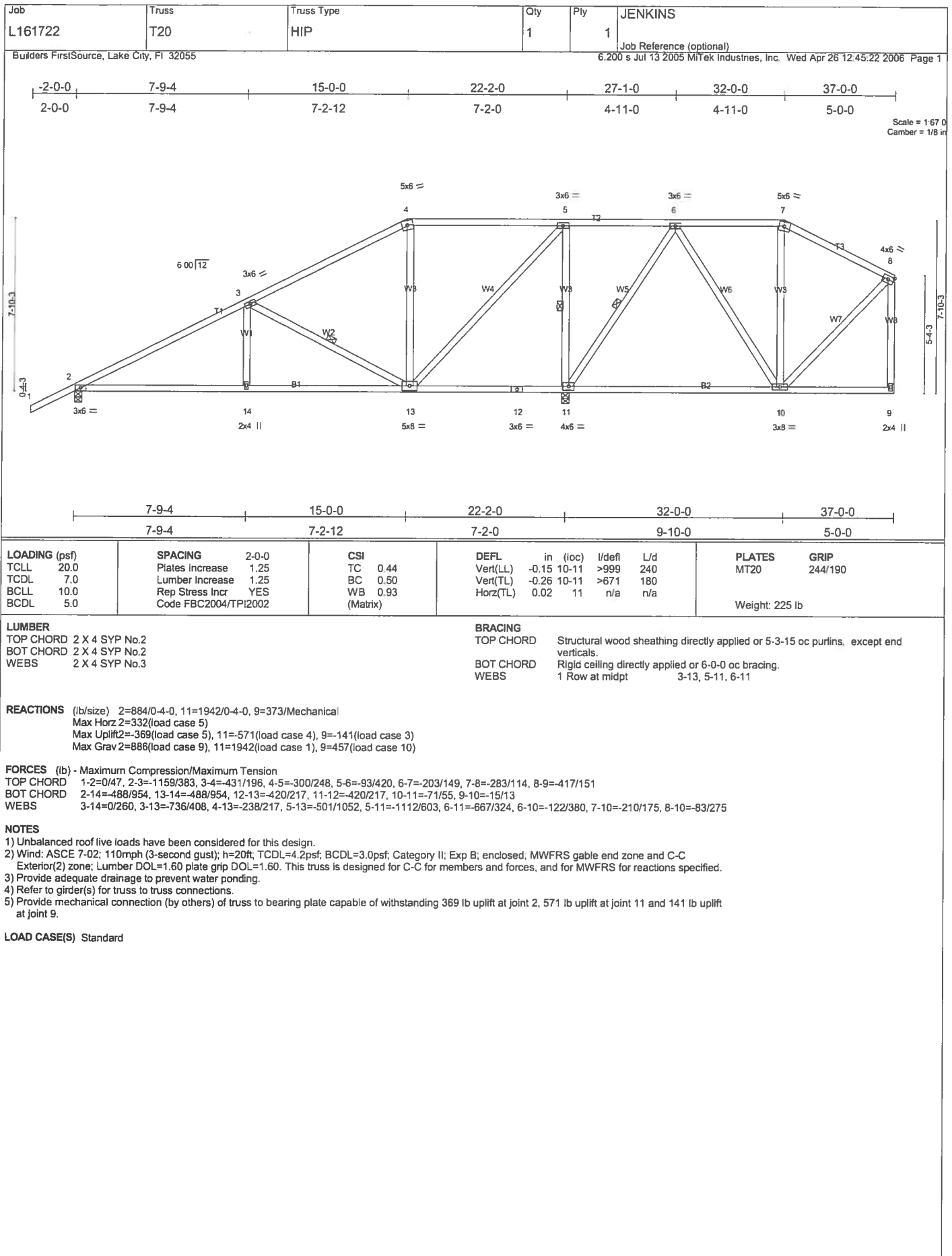
- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDF=4.2psf; BCDF=3.0psf, Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) Provide adequate drainage to prevent water ponding.
- 3) Refer to girder(s) for truss to truss connections.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 186 lb uplift at joint 9, 360 lb uplift at joint 2 and 666 lb uplift at joint 11.

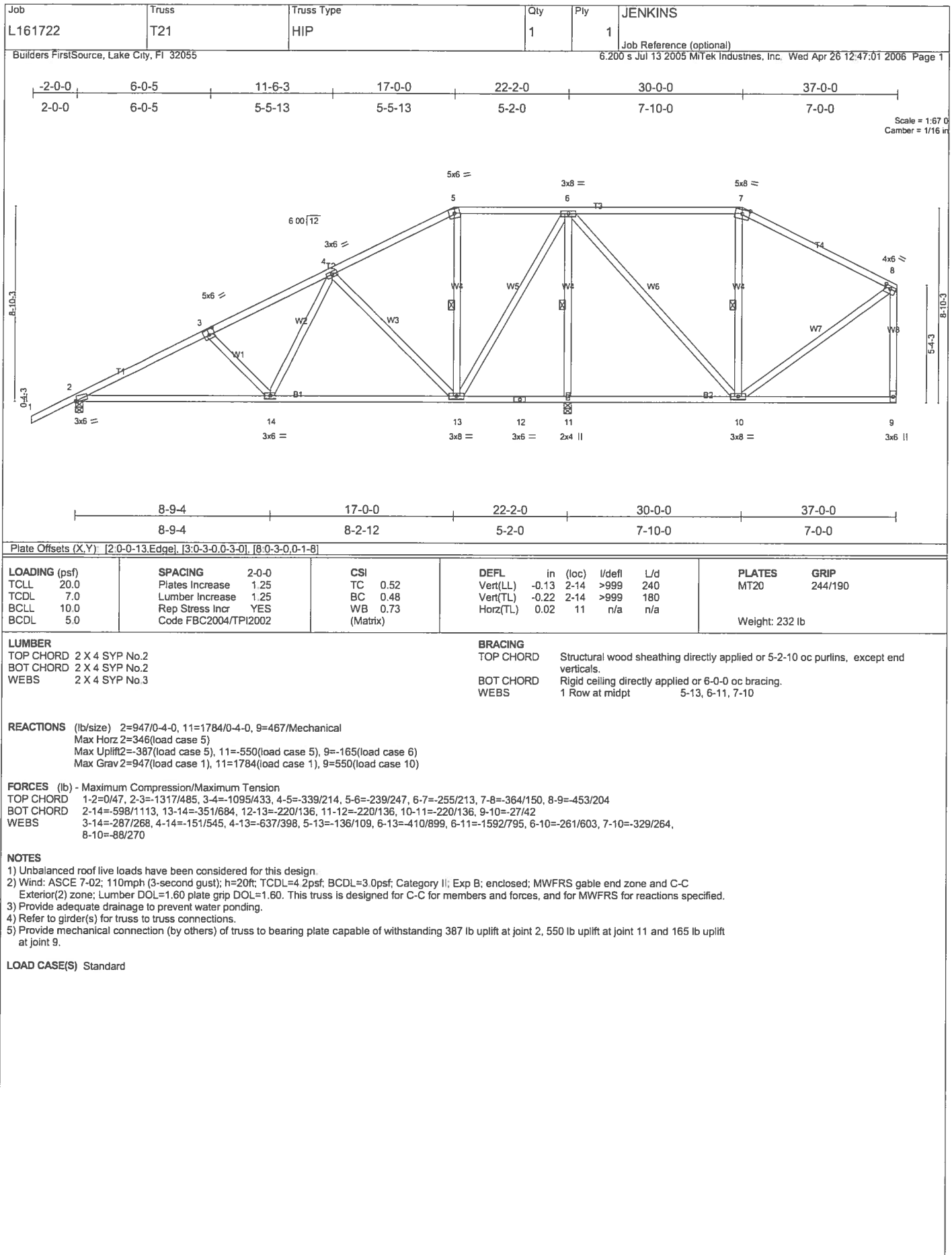
LOAD CASE(S) Standard

Job L161722	Truss T19	Truss Type MONO HIP	Qty 1	Ply 1	JENKINS
Builders FirstSource, Lake City, FL 32055			Job Reference (optional)		

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Job: L161722 Truss: T22 Truss Type: HIP Qty: 1 Ply: 1 JENKINS

Builders FirstSource, Lake City, FL 32055 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Apr 26 12:47:55 2006 Page 1

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

Job: L161722 Truss: T23 Truss Type: HIP Qty: 1 Ply: 1 JENKINS

Builders FirstSource, Lake City, FL 32055 6.200 s Jul 13 2005 Mitek Industries, Inc. Wed Apr 26 12:49:07 2006 Page 1

Scale = 1/670
Camber = 1/8 in

Plate Offsets (X,Y): [2:0-4-12.0-1-8], [3:0-3-0.0-3-0]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.80	in (loc)	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.84	Vert(LL) -0.20 13-15 >999 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.67	Vert(TL) -0.32 13-15 >820 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.06 9 n/a n/a		
	Code FBC2004/TP12002			Weight: 250 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.1D
WEBS 2 X 4 SYP No.3

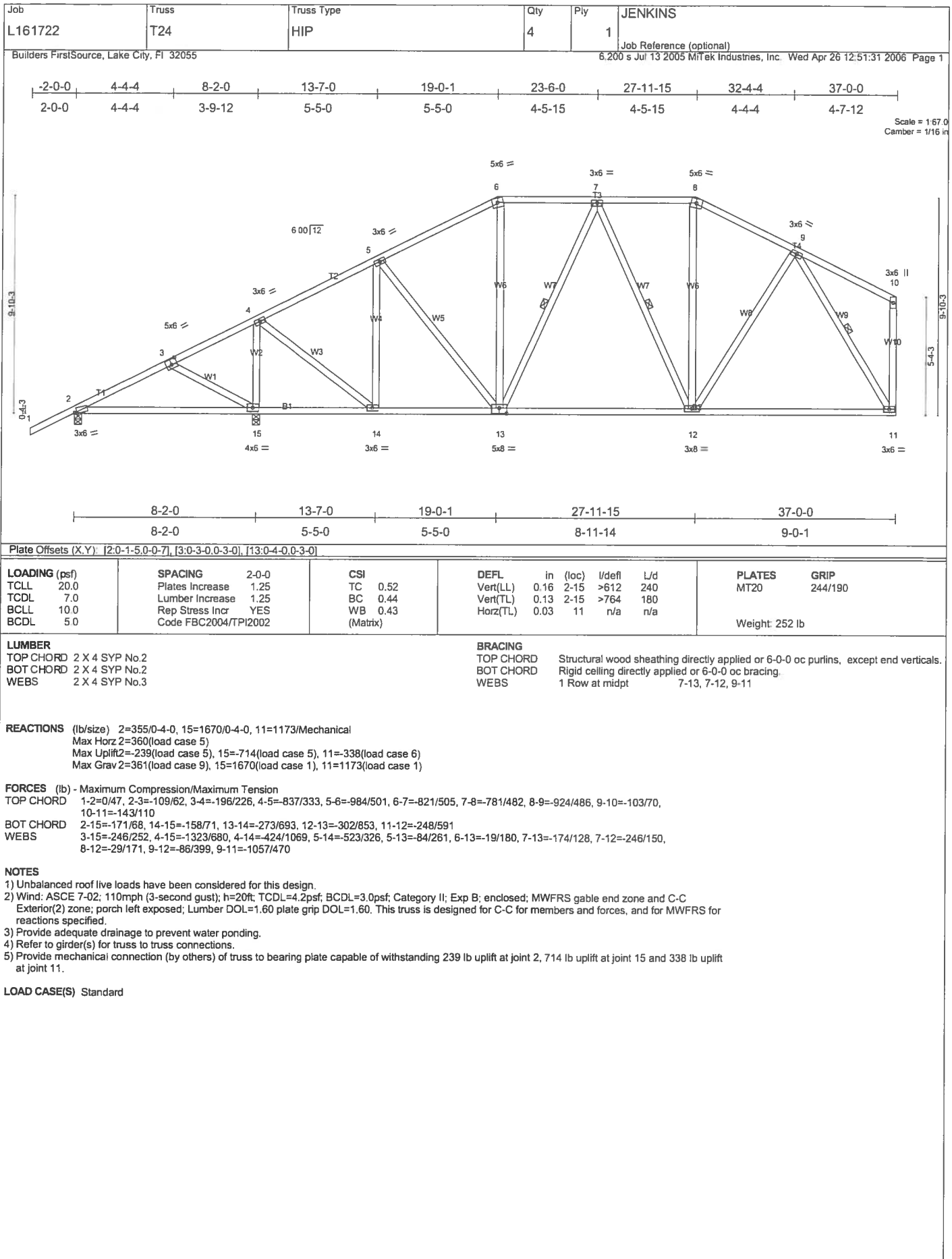
BRACING
TOP CHORD Structural wood sheathing directly applied or 3-11-10 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-11-15 oc bracing.
WEBS 1 Row at midpt 4-13, 5-13, 6-13, 6-11, 7-11

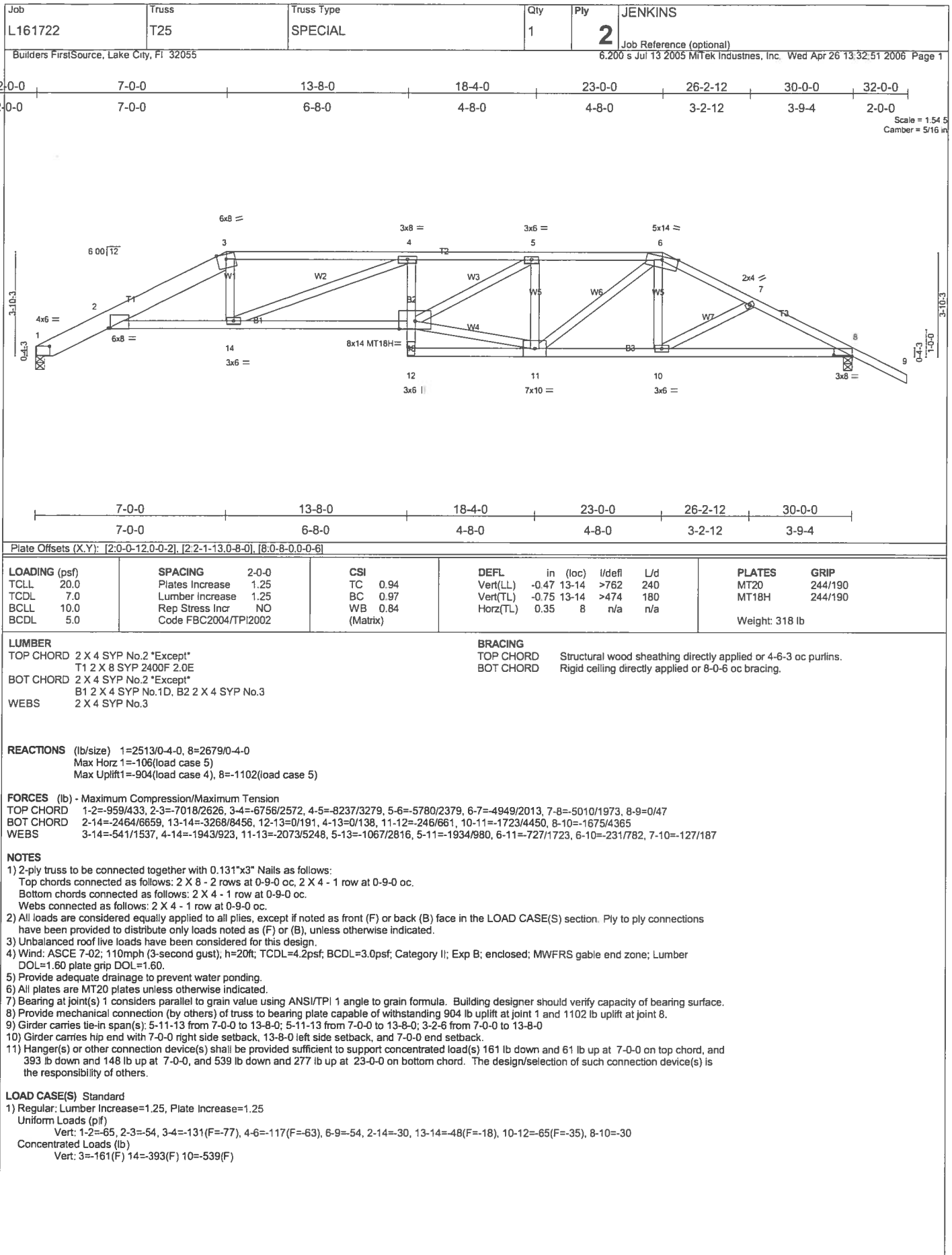
REACTIONS (lb/size) 2=1293/0-4-0, 9=986/Mechanical, 12=920/0-4-0
Max Horz 2=374(load case 5)
Max Uplift 2=491(load case 5), 9=-295(load case 6), 12=-340(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-2051/750, 3-4=-1414/601, 4-5=-728/401, 5-6=-575/430, 6-7=-677/407, 7-8=-690/314, 8-9=-916/418
BOT CHORD 2-16=-816/1748, 15-16=-817/1743, 14-15=-509/1190, 13-14=-509/1190, 12-13=-140/543, 11-12=-140/543, 10-11=-209/562, 9-10=-16/27
WEBS 3-16=0/220, 3-15=-637/353, 4-15=-157/570, 4-13=-879/509, 5-13=-85/108, 6-13=-88/196, 6-11=-110/98, 7-11=-52/137, 7-10=-279/201, 8-10=-263/732

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) 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.
3) Provide adequate drainage to prevent water ponding.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 491 lb uplift at joint 2, 295 lb uplift at joint 9 and 340 lb uplift at joint 12.

LOAD CASE(S) Standard





Job L161722	Truss T26	Truss Type SPECIAL	Qty 1	Ply 1	JENKINS
Builders FirstSource, Lake City, FL 32055					Job Reference (optional)
					6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Apr 26 13:41:11 2006 Page 1

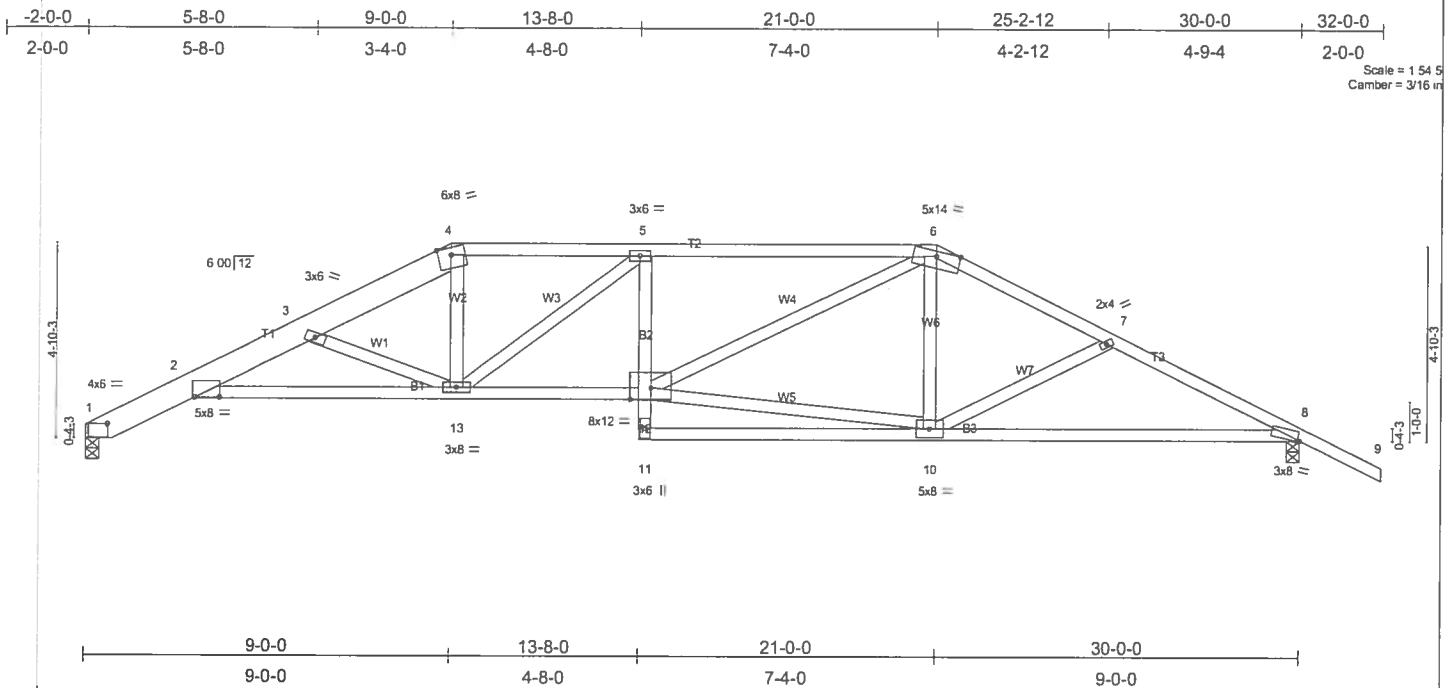


Plate Offsets (X,Y): [2-0-7-4-0-0-0], [2-2-1-10-0-7-15], [8-0-0-10-Edge]

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.75	Vert(LL) -0.34	2-13	>999	240		MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.82	Vert(TL) -0.55	2-13	>651	180			
BCLL 10.0	Rep Stress Incr YES	WB 0.49	Horz(TL) 0.28	8	n/a	n/a			
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)							
									Weight: 168 lb

LUMBER
 TOP CHORD 2 X 4 SYP No.2 *Except*
 T1 2 X 8 SYP 2400F 2.0E
 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 3-6-13 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 5-8-15 oc bracing.

REACTIONS (lb/size) 1=1195/0-4-0, 8=1365/0-4-0
 Max Horz 1=-124(load case 6)
 Max Uplift 1=-360(load case 5), 8=490(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-453/281, 2-3=-3331/1350, 3-4=-2564/1034, 4-5=-2292/978, 5-6=-2585/1113, 6-7=-1997/827, 7-8=-2210/915, 8-9=0/47
 BOT CHORD 2-13=-1157/3289, 12-13=-794/2589, 11-12=0/98, 5-12=-116/148, 10-11=-50/249, 8-10=-649/1922
 WEBS 3-13=-1119/538, 4-13=-285/887, 5-13=-480/222, 10-12=-442/1519, 6-12=-366/982, 6-10=0/139, 7-10=-200/184

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.
- Provide adequate drainage to prevent water ponding.
- Bearing at joint(s) 1 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 360 lb uplift at joint 1 and 490 lb uplift at joint 8.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	JENKINS
L161722	T27	SPECIAL	1	1	Job Reference (optional)
Builders FirstSource, Lake City, Fl 32055			6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Apr 26 13:47:20 2006 Page 1		

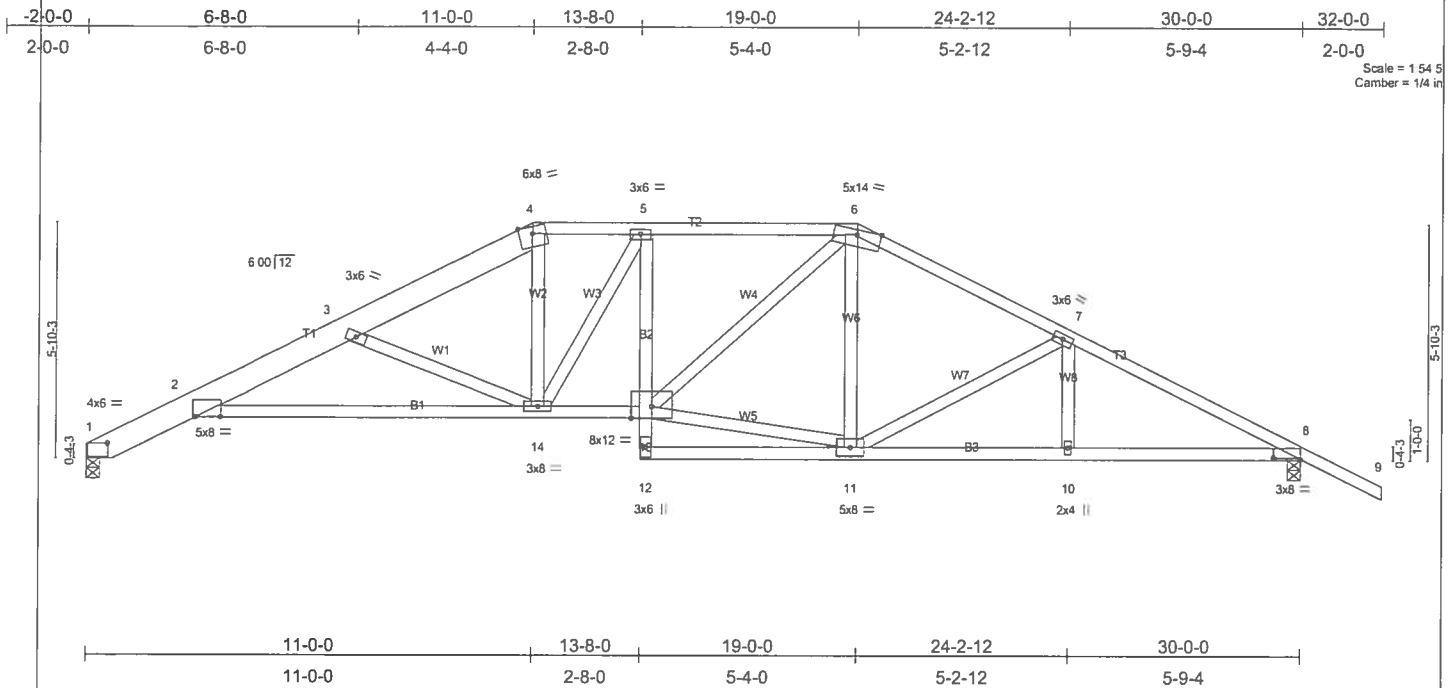


Plate Offsets (X,Y): [2-0-7-4,0-0-0], [2-2-1-13,0-8-0], [8-0-8-0,0-0-6]												
LOADING (psf)		SPACING 2-0-0		CSI		DEFL		in (loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.76	Vert(LL)	-0.41	2-14	>877	240	MT20	244/190
TCOL	7.0	Lumber Increase	1.25	BC	0.77	Vert(TL)	-0.67	2-14	>535	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.51	Horz(TL)	0.28	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 178 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2 *Except*
 T1 2 X 8 SYP 2400F 2.0E
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 4-0-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 5-11-6 oc bracing.

REACTIONS (lb/size) 1=1195/0-4-0, 8=1365/0-4-0
Max Horz 1=-138(load case 6)
Max Uplift1=-377(load case 5), 8=-506(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

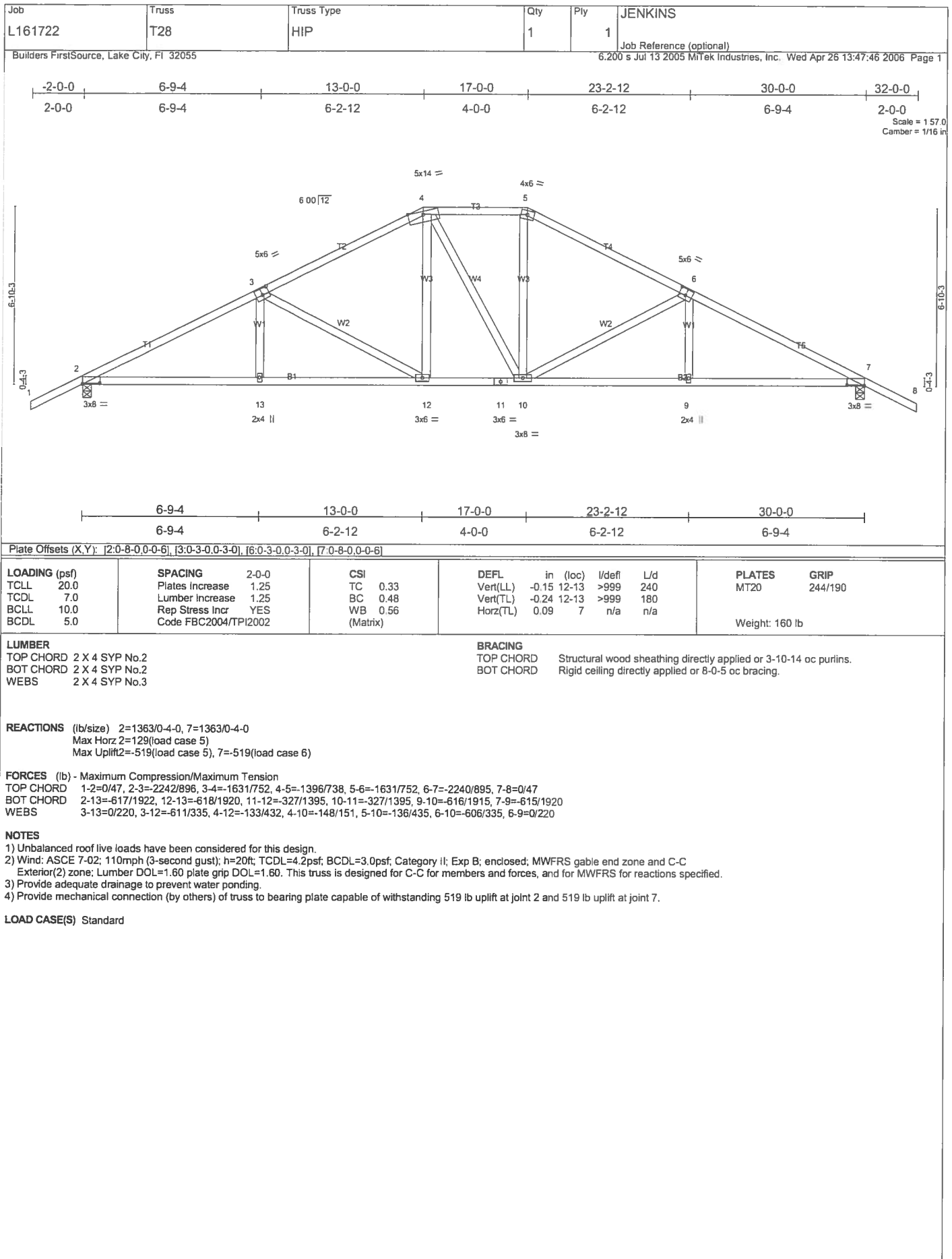
TOP CHORD	1-2=453/284, 2-3=3067/1285, 3-4=2262/932, 4-5=1965/882, 5-6=1991/914, 6-7=1800/803, 7-8=2279/901, 8-9=0/47
BOT CHORD	1-2=1065/2996, 13-14=552/1989, 12-13=0/81, 5-13=-181/106, 11-12=25/223, 10-11=632/1960, 8-10=632/1960
WEBS	2-14=-1152/599, 4-14=-265/796, 5-14=-175/144, 11-13=-398/1366, 6-13=-207/637, 6-11=-40/132, 7-11=-468/247, 7-10=0/173

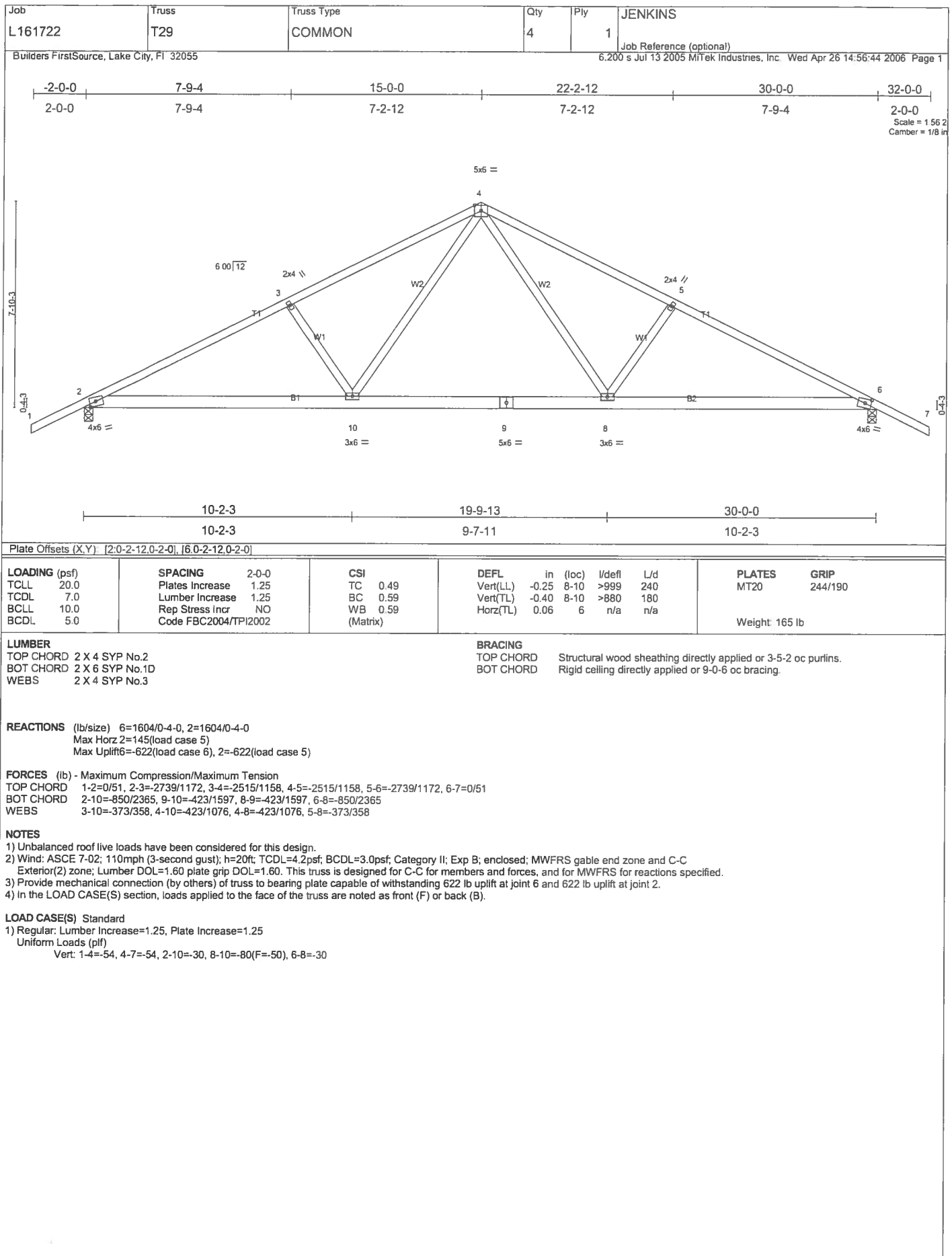
NOTES

- 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 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) Bearing at joint(s) 1 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 377 lb uplift at joint 1 and 506 lb uplift at joint 8.

LOAD CASE(S) Standard

**MAY 01, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549**





Job	Truss	Truss Type	Qty	Ply	JENKINS
L161722	T30	SPECIAL	3	1	Job Reference (optional)

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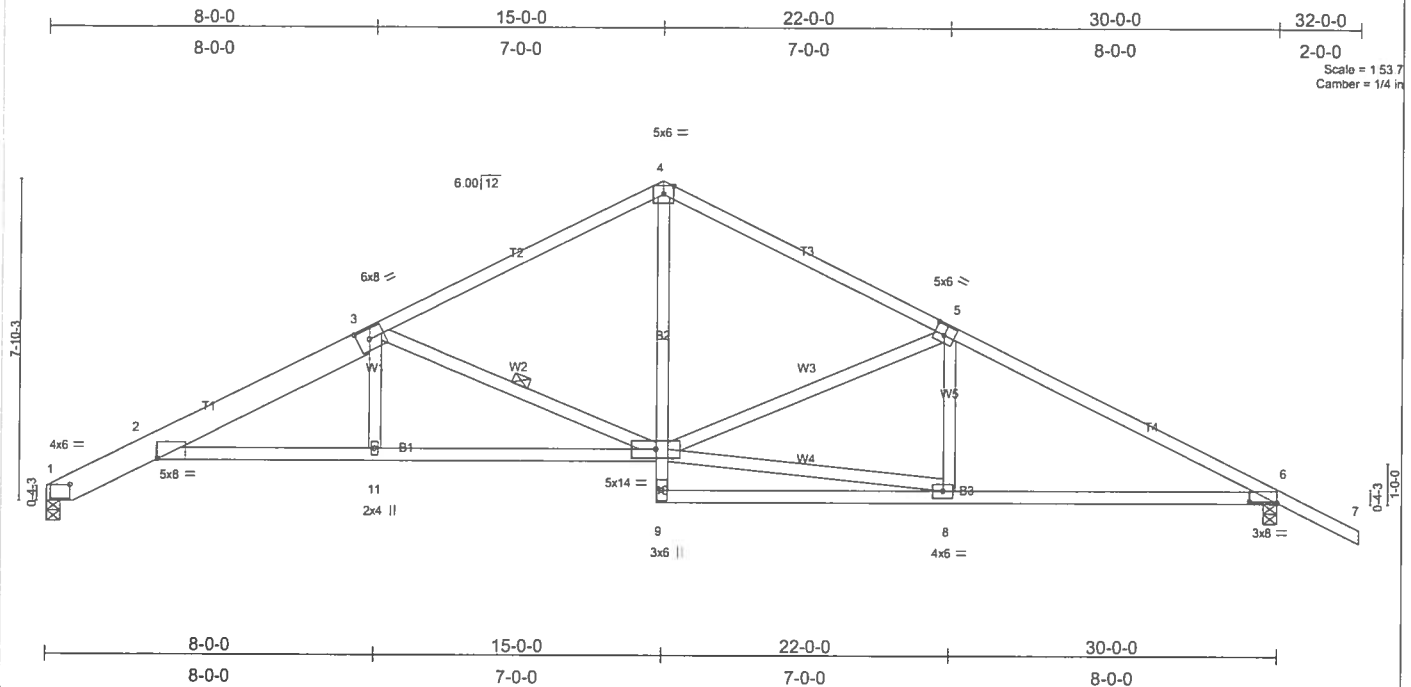


Plate Offsets (X,Y): [2:2-1-4,0-7-13], [2:0-0-0,0-0-2], [3:0-3-8,0-3-0], [5:0-3-0-0-3-0], [6:0-8-0,0-0-6]											
LOADING (psf)		SPACING 2-0-0		CSI		DEFL in (loc) l/defl L/d				PLATES GRIP	
TCLL	20.0	Plates Increase	1.25	TC	0.75	Vert(LL)	-0.37	2-11	>970	240	MT20 244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.88	Vert(TL)	-0.59	2-11	>999	180	
BCLL	10.0	Rep Stress Incr	YES	WB	0.56	Horz(TL)	0.30	6	n/a	n/a	
BCDL	5.0	Code FBC2004/TP12002		(Matrix)							Weight: 161 lb

LUMBER
TOP CHORD 2 X 4 SYP No.2 *Except*
 T1 2 X 8 SYP 2400F 2.0E
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 3-7-13 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 6-4-9 oc bracing.
WEBS	1 Row at midpt 3-10

REACTIONS (lb/size) 6=1365/0-4-0, 1=1195/0-4-0
Max Horz 1=-166(load case 6)
Max Uplift6=-532(load case 6), 1=-402(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=453/291, 2-3=2750/1155, 3-4=1709/783, 4-5=1682/781, 5-6=2179/903, 6-7=0/47
BOT CHORD 2-11=900/2578, 10-11=900/2592, 9-10=0/99, 4-10=404/1091, 8-9=52/140, 6-8=607/1857
WEBS 3-11=273, 3-10=-1242/631, 8-10=563/1735, 5-10=-533/327, 5-8=0/123

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); $h=20ft$; $TCDF=4.2psf$; $BCDF=3.0psf$, Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber $DOL=1.60$ plate gnp $DOL=1.60$. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 3) Bearing at joint(s) 1 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 532 lb uplift at joint 6 and 402 lb uplift at joint 1.

LOAD CASE(S) Standard

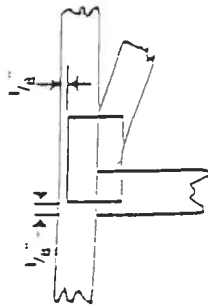
MAY 01, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B. LUTZ, FL 33549

Symbols

PLATE LOCATION AND ORIENTATION



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



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

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



PLATE SIZE

$\angle \times \angle$

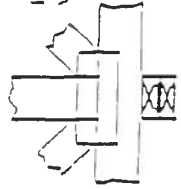
The first dimension is the width perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING



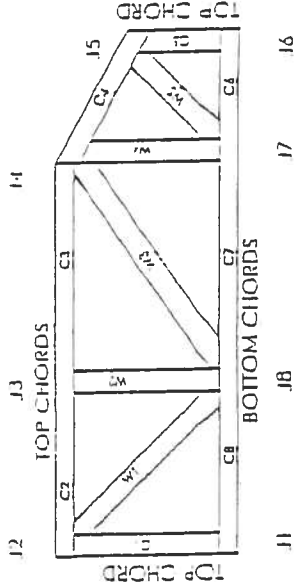
Indicates location of required continuous lateral bracing.

BEARING



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

Numbering System

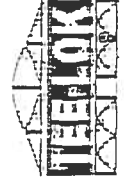


JOINTS AND CHORDS ARE NUMBERED CLOCKWISE AROUND THE TRUSS STARTING AT THE LOWEST JOINT FARTHEST TO THE LEFT.

WEBS ARE NUMBERED FROM LEFT TO RIGHT

CONNECTOR PLATE CODE APPROVALS

BOCA	96-31, 96-67
ICBO	3907, 4922
SBCCI	9667, 9432A
WISC/DIIIR	960022 W, 970036 H
IER	561



MITEL Engineering Reference Sheet: MIT-7473

General Safety Notes

Failure to Follow Could Cause Properly Damage or Personal Injury

1. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
2. Cut members to bear lightly against each other.
3. Place plates on each face of truss at each joint and embed fully. Avoid knots and waste at joint locations.
4. Unless otherwise noted, locate chord splices at 1/4 panel length (12" from adjacent joint).
5. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
6. Unless expressly noted, this design is not applicable for use with fire retardant or preservative treated lumber.
7. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
8. Plate type, size and location dimensions shown indicate minimum plating requirements.
9. Lumber shall be of the species and size and in all respects, equal to or better than the grade specified.
10. Top chords must be sheathed or purlins provided at spacing shown on design.
11. Bottom chords require lateral bracing at 10 ft spacing, or less. If no ceiling is installed, unless otherwise noted.
12. Anchorage and / or load transferring connections to trusses are the responsibility of others unless shown.
13. Do not overload roof or floor trusses with stacks of construction materials.
14. Do not cut or alter truss member or plate without prior approval of a professional engineer.
15. Care should be exercised in handling, erection and installation of trusses.

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