

Project Information for: L169995
 Builder: PENNYWORTH HOMES Date: 6/23/2006
 Lot: N/A Start Number: 1536
 Subdivision: 11 SW PINE RIDGE CT SEI Ref: L169995
 County or City: COLUMBIA COUNTY
 Truss Page Count: 41

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)

PAINE, LAWRENCE A. PE21475
 Address: 319 OGLETHORPE BOULEVARD
 ST AUGUSTINE, FLORIDA 32084 Designer: 113

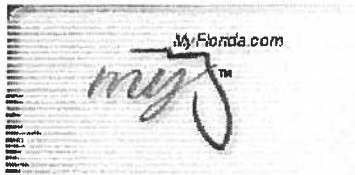
Truss Design Engineer: Thomas, E. Miller, P.E., 56877 - Byron K. Anderson, PE FL 60987
 Company: Structural Engineering and Inspections, Inc. EB 9196
 Address: 16105 N. Florida Ave, Ste B, Lutz, FL 33549

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.
5. Where hangers are shown, Carried Member hanger capacity per Simpson C-2006 (SYP/Full Nailing Value) as an individual component. Building Designer shall verify the suitability and use of Carrying Member hanger capacity.

#	Truss ID	Dwg. #	Seal Date	#	Truss ID	Dwg. #	Seal Date
1	CJ1	0623061536	6/23/2006	41	V13	0623061576	6/23/2006
2	CJ3	0623061537	6/23/2006				
3	CJ5	0623061538	6/23/2006				
4	EJ3	0623061539	6/23/2006				
5	EJ5	0623061540	6/23/2006				
6	EJ7	0623061541	6/23/2006				
7	HJ4	0623061542	6/23/2006				
8	HJ9	0623061543	6/23/2006				
9	T01	0623061544	6/23/2006				
10	T02	0623061545	6/23/2006				
11	T03	0623061546	6/23/2006				
12	T04	0623061547	6/23/2006				
13	T05	0623061548	6/23/2006				
14	T06	0623061549	6/23/2006				
15	T07	0623061550	6/23/2006				
16	T08	0623061551	6/23/2006				
17	T09	0623061552	6/23/2006				
18	T10	0623061553	6/23/2006				
19	T11	0623061554	6/23/2006				
20	T12	0623061555	6/23/2006				
21	T13	0623061556	6/23/2006				
22	T14	0623061557	6/23/2006				
23	T15	0623061558	6/23/2006				
24	T16	0623061559	6/23/2006				
25	T17	0623061560	6/23/2006				
26	T17G	0623061561	6/23/2006				
27	T18	0623061562	6/23/2006				
28	T19	0623061563	6/23/2006				
29	T19A	0623061564	6/23/2006				
30	T19G	0623061565	6/23/2006				
31	T20	0623061566	6/23/2006				
32	T21	0623061567	6/23/2006				
33	T22	0623061568	6/23/2006				
34	T23	0623061569	6/23/2006				
35	T24G	0623061570	6/23/2006				
36	V05	0623061571	6/23/2006				
37	V07	0623061572	6/23/2006				
38	V07A	0623061573	6/23/2006				
39	V09	0623061574	6/23/2006				
40	V11	0623061575	6/23/2006				

JUN 23 2006

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3:55:13 PM

Licensee Details**Licensee Information**

Name: **PAINE, LAWRENCE A (Primary Name)**
(DBA Name)
Main Address: **319 Oglethorpe Boulevard**
SAINT AUGUSTINE Florida 320843749

License Mailing:

LicenseLocation:

License Information

License Type: **Professional Engineer**
Rank: **Prof Engineer**
License Number: **21475**
Status: **Current,Active**
Licensure Date: **06/19/1998**
Expires: **02/28/2005**

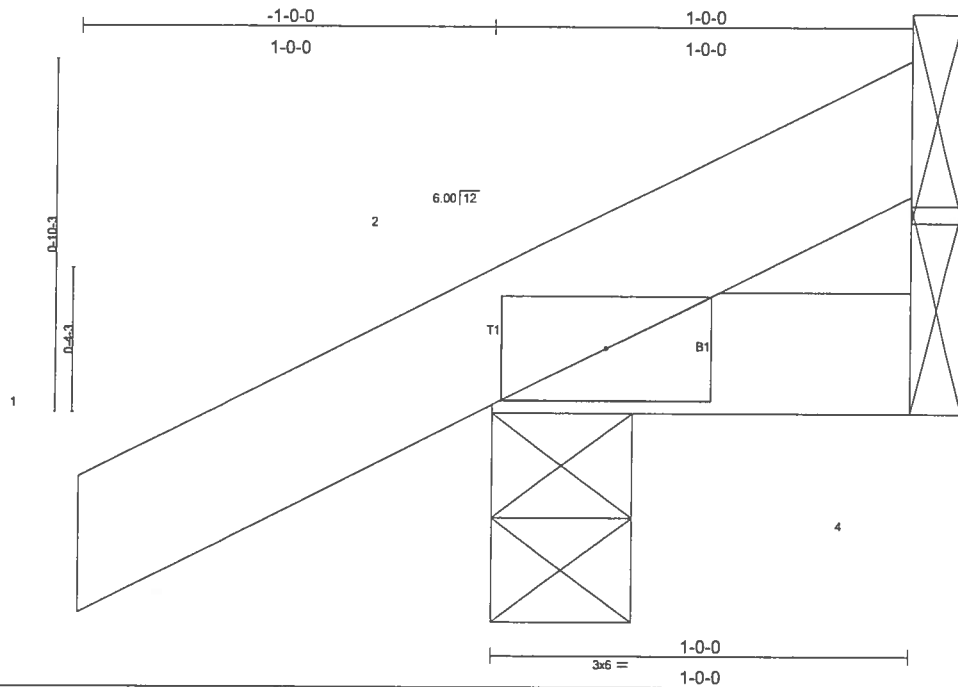
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Building Code Core
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Job L169995	Truss CJ1	Truss Type ROOF TRUSS	Qty 8	Ply 1	PENNYWORTH-PEREZ
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Builders FirstSource, Lake City, FL 32055

6.200 s Jul 13 2005 Mittek Industries, Inc. Wed Jun 21 14:42:44 2006 Page 1
3

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

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.07	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: 5 lb	

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

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

REACTIONS (lb/size) 2=126/0-4-0, 4=14/Mechanical, 3=4/Mechanical
 Max Horz 2=54(load case 5)
 Max Uplift 2=105(load case 5), 3=4(load case 1)
 Max Grav 2=126(load case 1), 4=14(load case 1), 3=14(load case 5)

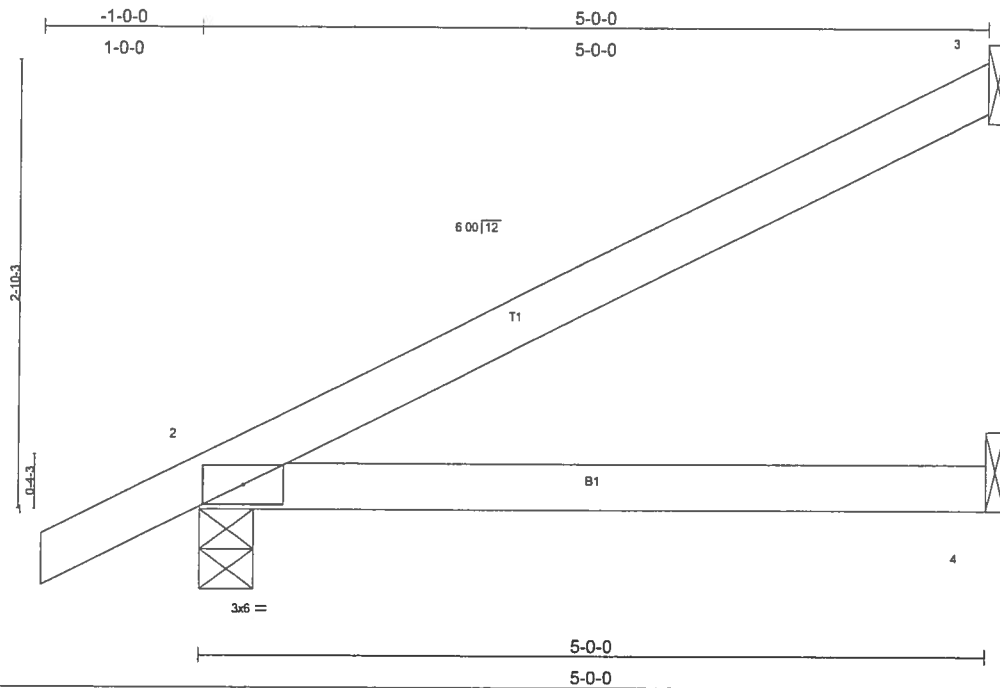
FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/23, 2-3=27/6
 BOT CHORD 2-4=0/0

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; 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 105 lb uplift at joint 2 and 4 lb uplift at joint 3.

LOAD CASE(S) Standard

Job L169995	Truss CJ5	Truss Type ROOF TRUSS	Qty 4	Ply 1	PENNYWORTH-PEREZ
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Jun 21 14:43:06 2006 Page 1		



Scale = 1/4\"/>

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.29	Vert(LL)	-0.03	2-4	>999	240	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.16	Vert(TL)	-0.05	2-4	>999	180		
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: 18 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=121/Mechanical, 2=271/0-4-0, 4=72/Mechanical
Max Horz 2=145(load case 5)
Max Uplift 3=111(load case 5), 2=120(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/23, 2-3=102/44
BOT CHORD 2-4=0/0

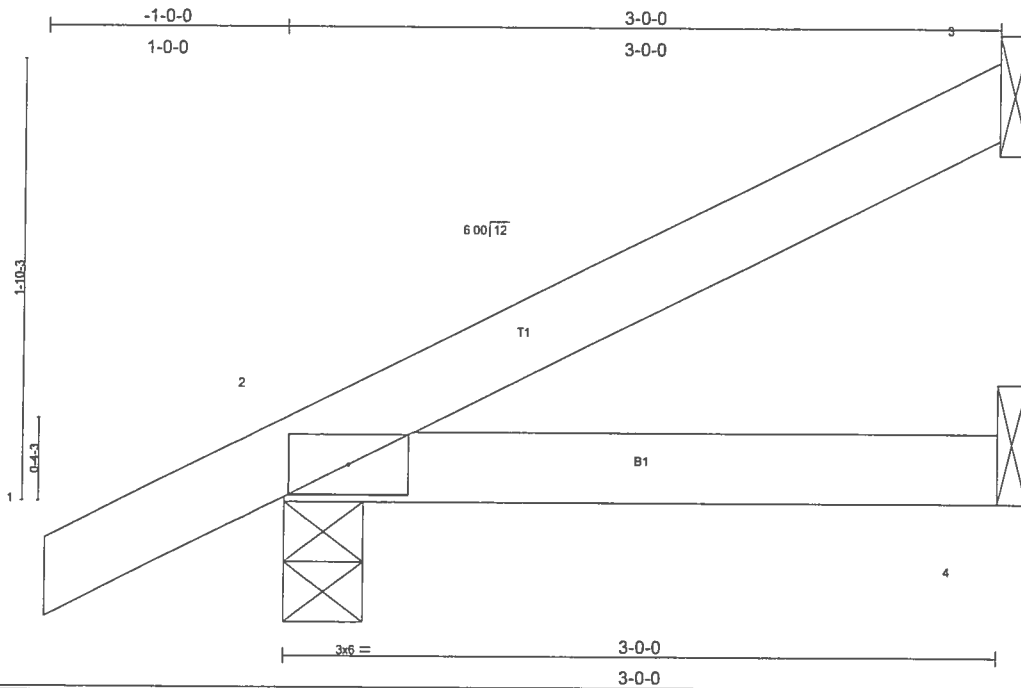
NOTES

- 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; 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 111 lb uplift at joint 3 and 120 lb uplift at joint 2.

LOAD CASE(S) Standard

Job L169995	Truss EJ3	Truss Type ROOF TRUSS	Qty 5	Ply 1	PENNYWORTH-PEREZ
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Builders FirstSource, Lake City, FL 32055

Job Reference (optional)
6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Jun 21 14:43:18 2006 Page 1

Scale = 1/2"

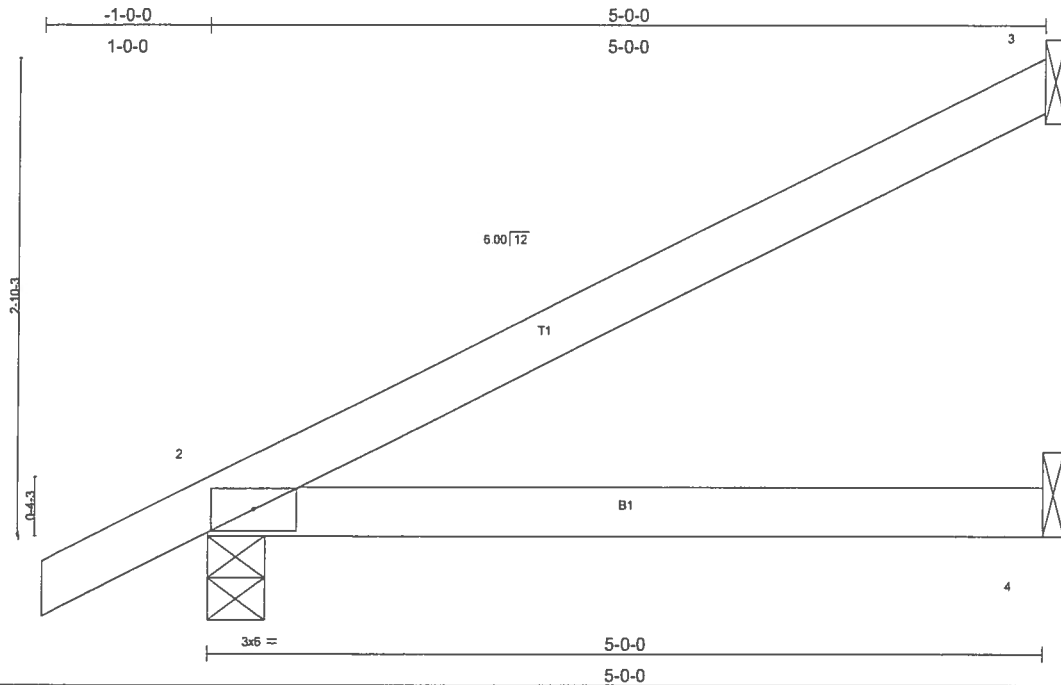
LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.08	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.05	Vert(LL) -0.00 2-4 >999 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.00	Vert(TL) -0.01 2-4 >999 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) -0.00 3 n/a n/a		
	Code FBC2004/TPI2002				
				Weight: 11 lb	

LUMBERTOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2**BRACING**TOP CHORD Structural wood sheathing directly applied or 3-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.**REACTIONS** (lb/size) 3=62/Mechanical, 2=193/0-4-0, 4=42/Mechanical
Max Horz 2=99(load case 5)
Max Uplift 3=55(load case 5), 2=107(load case 5)**FORCES** (lb) - Maximum Compression/Maximum TensionTOP CHORD 1-2=0/23, 2-3=55/22
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; 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 55 lb uplift at joint 3 and 107 lb uplift at joint 2.

LOAD CASE(S) Standard

Job L169995	Truss EJ5	Truss Type ROOF TRUSS	Qty 16	Ply 1	PENNYWORTH-PEREZ
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.200 s Jul 13 2005 Mitek Industries, Inc. Wed Jun 21 14:43:29 2006 Page 1		



Scale = 1/16"

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.29	Vert(LL) -0.03	2-4	>999	240		MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.16	Vert(TL) -0.05	2-4	>999	180			
BCCL 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: 18 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=121/Mechanical, 2=271/0-4-0, 4=72/Mechanical
Max Horz 2=145(load case 5)
Max Uplift 3=111(load case 5), 2=120(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/23, 2-3=102/44
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; 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 111 lb uplift at joint 3 and 120 lb uplift at joint 2.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	PENNYWORTH-PEREZ
L169995	EJ7	ROOF TRUSS	14	1	Job Reference (optional)

6.200 s Jul 13 2005 Mitek Industries, Inc. Wed Jun 21 14:44:19 2006 Page 1

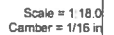


Plate Offsets (X,Y): [2:0-8-0,0-0-6]

LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.48	Vert(LL) -0.14 2-4 >569 240	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.39	Vert(TL) -0.24 2-4 >345 180		
BCLL 10.0	Rep Stress Incr YES	WB 0.00	Horz(TL) -0.00 3 n/a n/a		
BCDL 5.0	Code FBC2004/TP12002	(Matrix)		Weight: 24 lb	

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

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=169/Mechanical, 2=352/0-3-8, 4=111/Mechanical
Max Horz 2=192(load case 5)
Max Uplift3=-142(load case 5), 2=-137(load case 5), 4=-1(load case 5)

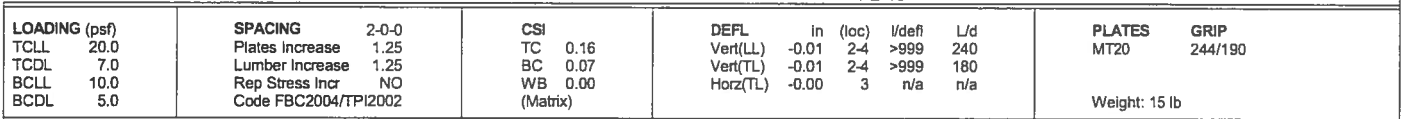
FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/23, 2-3=-124/61
BOT CHORD 2-4=0/0

- 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) Refer to girder(s) for truss to truss connections.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 142 lb uplift at joint 3, 137 lb uplift at joint 2 and 1 lb uplift at joint 4.

LOAD CASE(S) Standard

JUNE 23, 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

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BRACING	
TOP CHORD	Structural wood sheathing directly applied or 4-2-15 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/25, 2-3=-22/13
 BOT CHORD 2-4=0/0

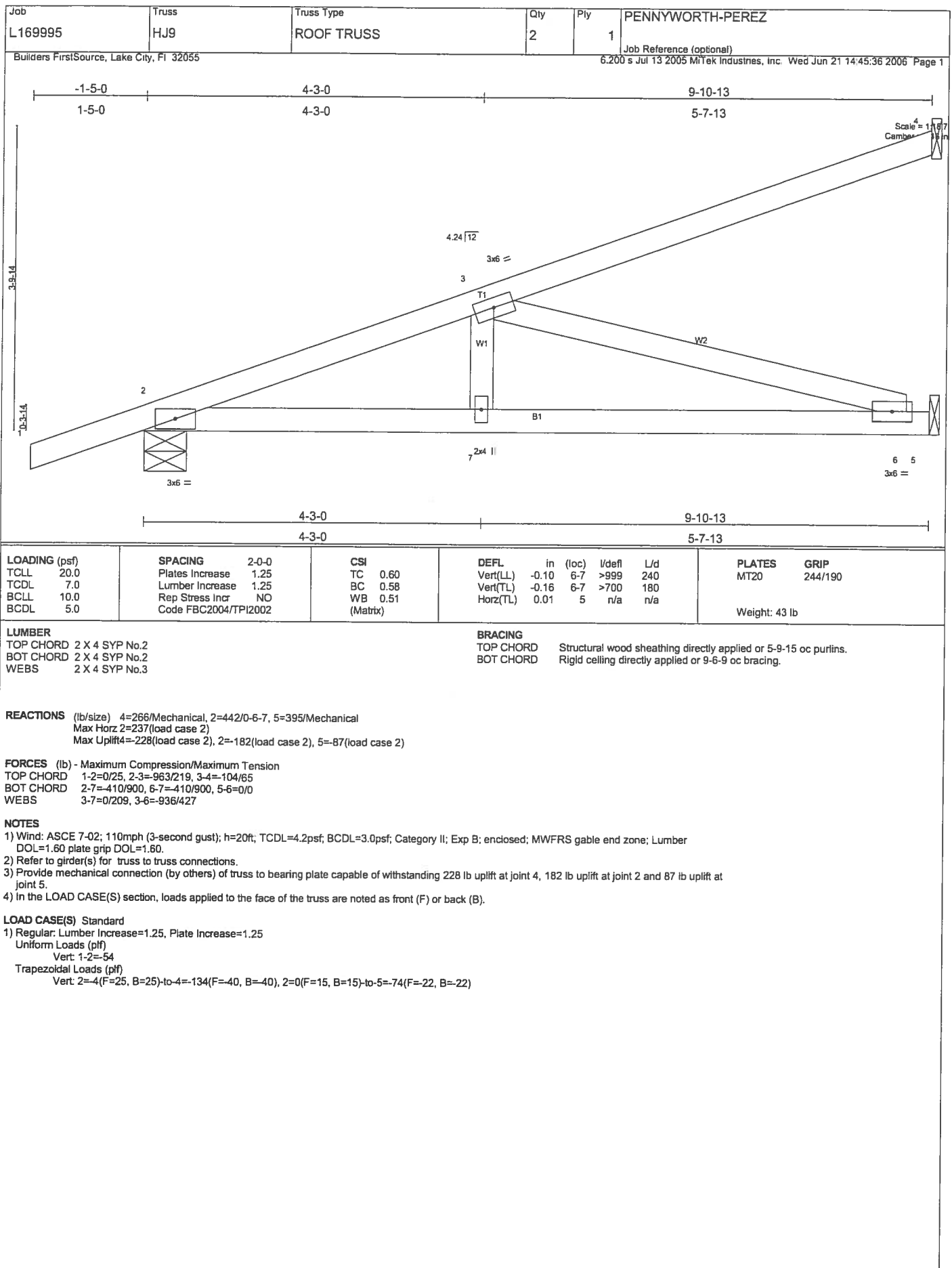
NOTES

- 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; 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 38 lb uplift at joint 3 and 126 lb uplift at joint 2.
- 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-3=-57(F=-2, B=-2), 2=0(F=15, B=15)-to-4=-32(F=-1, B=-1)

**JUNE 23, 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 L169995	Truss T02	Truss Type ROOF TRUSS	Qty 1	Ply 1	PENNYWORTH-PEREZ
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.200 s Jul 13 2005 Mitek Industries, Inc. Wed Jun 21 14:49:55 2006 Page 1		

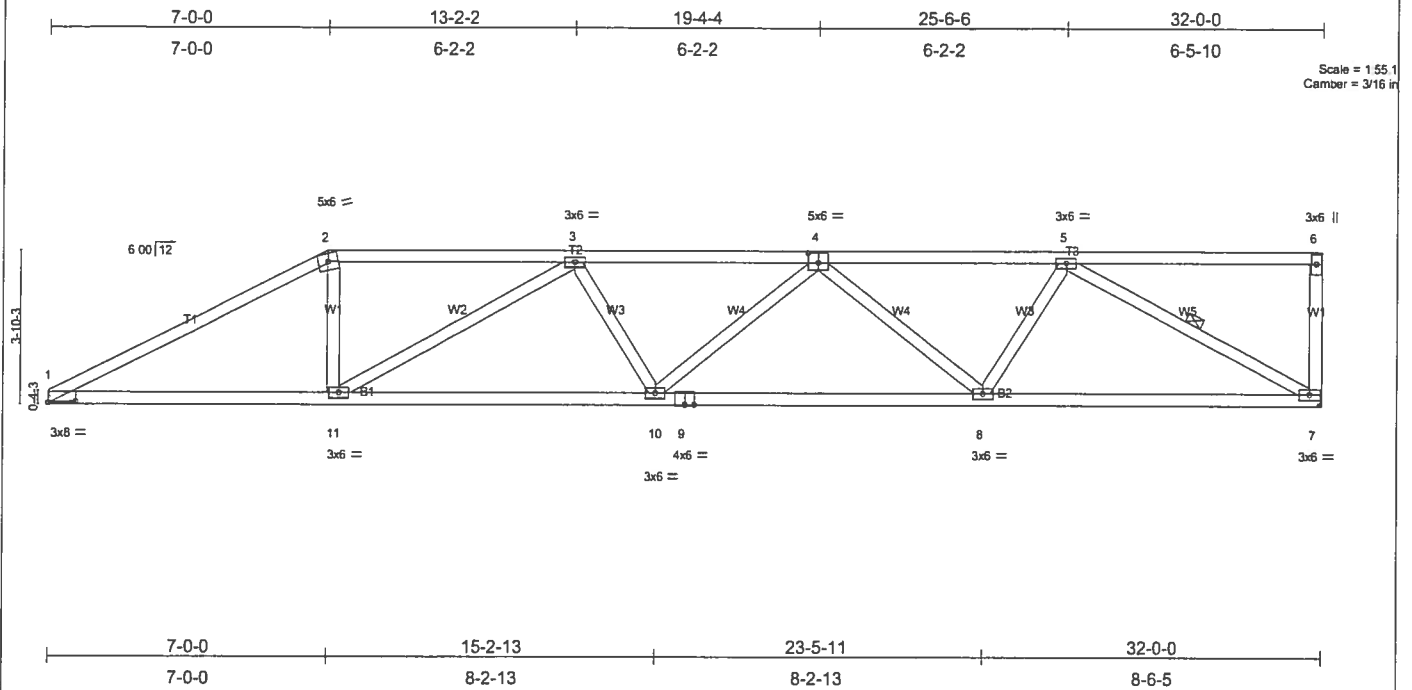


Plate Offsets (X,Y): [1:0-8-0-0-6], [4:0-3-0-0-3-0]

LOADING (psf)	SPACING	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 2-0-0	TC 0.58	Vert(LL)	-0.28	8-10	>999	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.73	Vert(TL)	-0.46	8-10	>827		
BCCL 10.0	Rep Stress Incr YES	WB 0.76	Horz(TL)	0.13	7	n/a		
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)						
							Weight: 154 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 3-5-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-8-12 oc bracing.
WEBS 1 Row at midpt 5-7

REACTIONS (lb/size) 1=1335/Mechanical, 7=1335/Mechanical
Max Horz 1=164(load case 5)
Max Uplift 1=388(load case 4), 7=496(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-2490/967, 2-3=-2180/949, 3-4=-2996/1195, 4-5=-2347/913, 5-6=-87/22, 6-7=-169/115
BOT CHORD 1-11=-943/2151, 10-11=-1226/2922, 9-10=-1194/2867, 8-9=-1194/2867, 7-8=-804/1940
WEBS 2-11=-175/702, 3-11=-861/438, 3-10=0/147, 4-10=-3/171, 4-8=-687/372, 5-8=-217/812, 5-7=-2126/897

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) 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 388 lb uplift at joint 1 and 496 lb uplift at joint 7.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	PENNYWORTH-PEREZ
L169995	T03	ROOF TRUSS	1	1	
Builders FirstSource, Lake City, FL 32055			Job Reference (optional)		
			6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Jun 21 14:50:16 2006 Page 1		

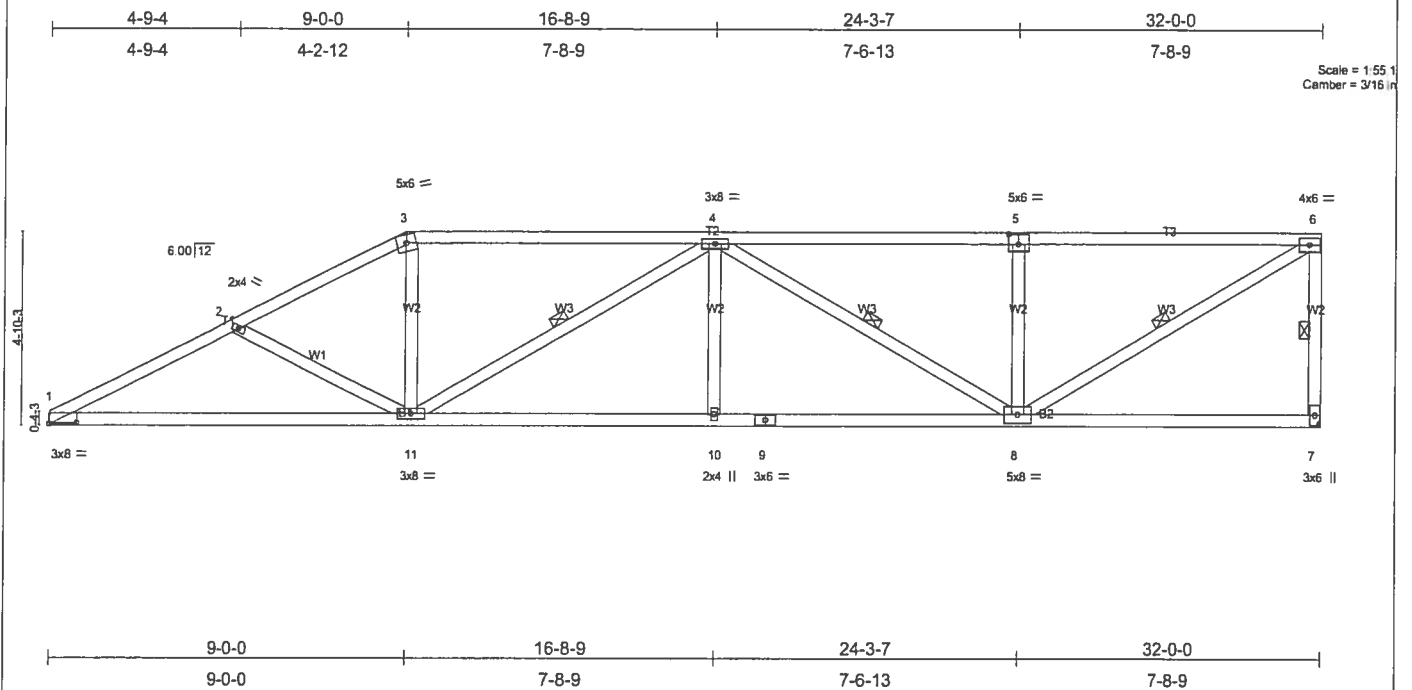


Plate Offsets (X,Y): [1:0-8-0,0-0-6], [5:0-3-0,0-3-0]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.74	Vert(LL)	-0.24	1-11	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.68	Vert(TL)	-0.40	1-11	>955	180		
BCLL 10.0	Rep Stress Incr	YES	WB 0.64	Horz(TL)	0.09	7	n/a	n/a		
BCDL 5.0	Code FBC2004/TP12002		(Matrix)							
Weight: 167 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 3-6-14 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 6-0-1 oc bracing.
 WEBS 1 Row at midpt 6-7, 4-11, 4-8, 6-8

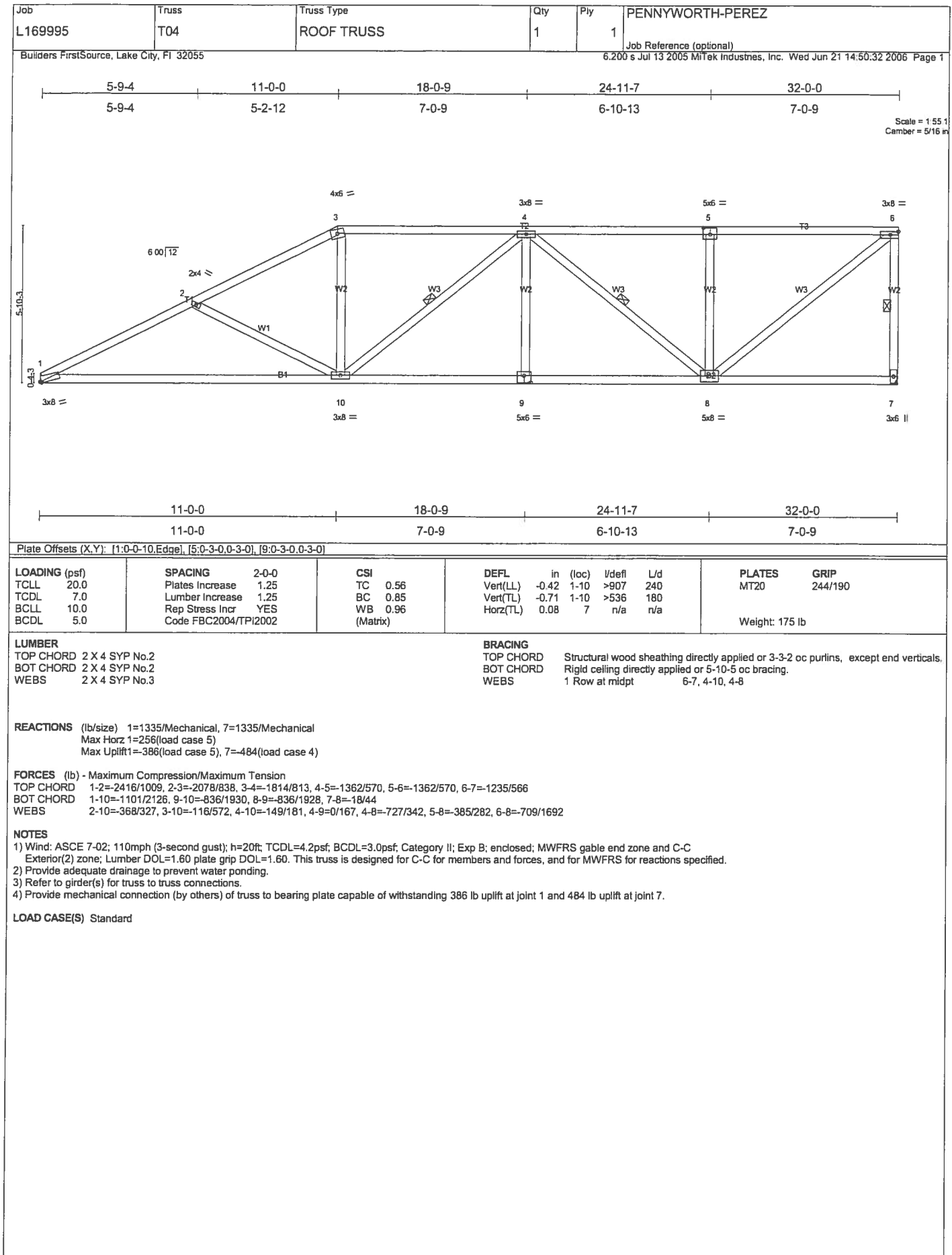
REACTIONS (lb/size) 1=1335/Mechanical, 7=1335/Mechanical
 Max Horz 1=210(load case 5)
 Max Uplift 1=374(load case 5), 7=491(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-2484/1029, 2-3=-2241/907, 3-4=-1987/873, 4-5=-1778/729, 5-6=-1778/729, 6-7=-1222/558
 BOT CHORD 1-11=-1079/2183, 10-11=-1014/2408, 9-10=-1014/2408, 8-9=-1014/2408, 7-8=-28/71
 WEBS 2-11=-244/237, 3-11=-147/640, 4-11=-491/280, 4-10=0/212, 4-8=-735/332, 5-8=-418/306, 6-8=-818/1993

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) 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 374 lb uplift at joint 1 and 491 lb uplift at joint 7.

LOAD CASE(S) Standard



Job L169995	Truss T05	Truss Type ROOF TRUSS	Qty 1	Ply 1	PENNYWORTH-PEREZ Job Reference (optional) 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Jun 21 14:51:00 2006 Page 1
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Builders FirstSource, Lake City, FL 32055

Scale = 1:56.7
 Camber = 1/16 in

LOADING (psf) TCLL 20.0 TCDL 7.0 BCLL 10.0 BCDL 5.0	SPACING 2-0-0 Plates Increase 1.25 Lumber Increase 1.25 Rep Stress Incr YES Code FBC2004/TPI2002	CSI TC 0.71 BC 0.60 WB 0.56 (Matrix)	DEFL in (loc) l/defl L/d Vert(LL) -0.13 12-13 >999 240 Vert(TL) -0.21 2-13 >999 180 Horz(TL) 0.08 8 n/a n/a	PLATES MT20 GRIP 244/190 Weight: 184 lb
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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 3-8-0 oc purins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 6-4-2 oc bracing.
 WEBS 1 Row at midpt 5-12, 5-9

REACTIONS (lb/size) 2=1395/0-4-0, 8=1330/Mechanical
 Max Horz 2=221(load case 5)
 Max Uplift 2=-476(load case 5), 8=-363(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/23, 2-3=2457/995, 3-4=-1844/823, 4-5=-1590/804, 5-6=-1150/610, 6-7=-1362/596, 7-8=-1222/571
 BOT CHORD 2-13=-947/2116, 12-13=-947/2116, 11-12=-609/1581, 10-11=-609/1581, 9-10=-609/1581, 8-9=-57/95
 WEBS 3-13=0/223, 3-12=-612/363, 4-12=-110/461, 5-12=-144/116, 5-10=0/168, 5-9=-713/261, 6-9=-21/301, 7-9=-414/1149

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) Refer to girder(s) for truss to truss connections.
 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 476 lb uplift at joint 2 and 363 lb uplift at joint 8.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	PENNYWORTH-PEREZ
L169995	T06	ROOF TRUSS	1	1	Job Reference (optional)

6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Jun 21 14:51:22 2006 Page 1

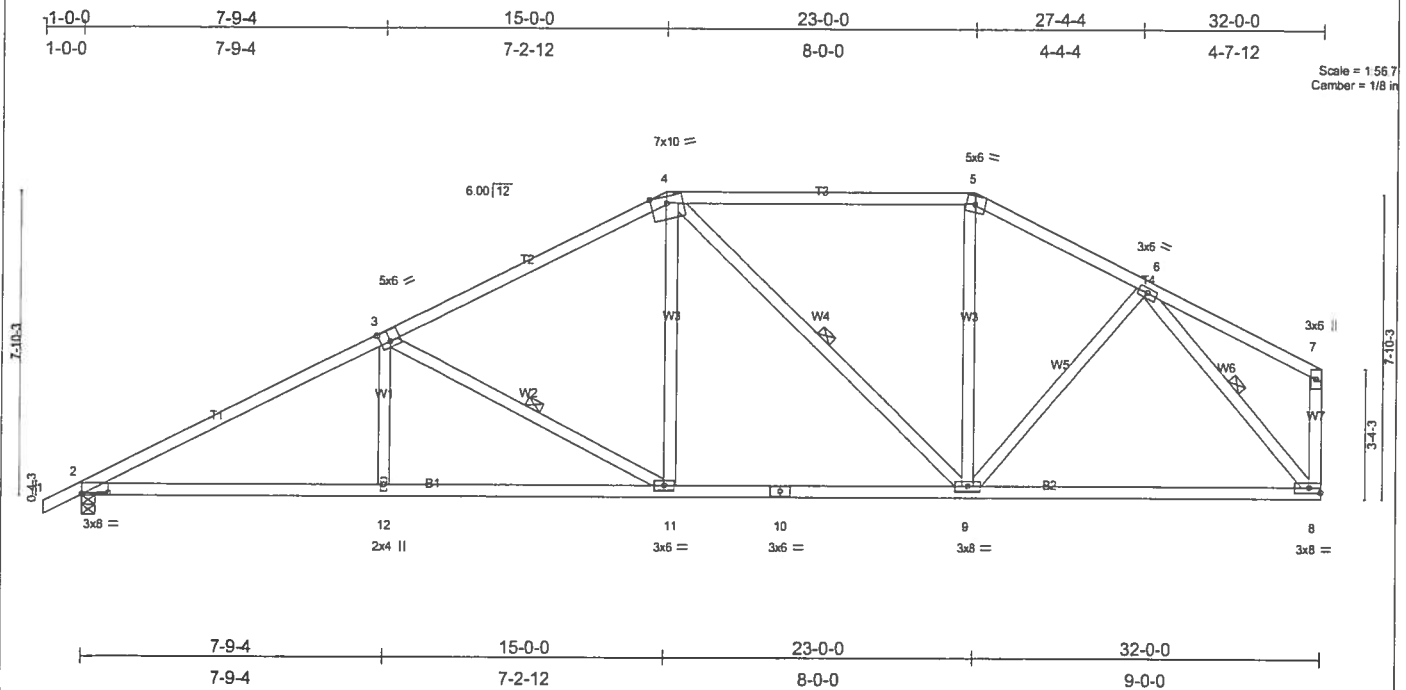


Plate Offsets (X,Y) [2-0-8-0-0-0-6], [3-0-3-0-0-3-4]										
LOADING (psf)		SPACING 2-0-0		CSI		DEFL			PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.64	in (loc)	l/defl	L/d	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.68	Vert(LL)	-0.18 2-12	>999 240		
BCLL	10.0	Rep Stress Incr	YES	WB	0.34	Vert(TL)	-0.30 2-12	>999 180		
BCDL	5.0	Code FBC2004/TP12002		(Matrix)		Horz(TL)	0.08 8	n/a n/a		
									Weight: 180 lb	

BRACING	
TOP CHORD	Structural wood sheathing directly applied or 3-5-3 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-3-6 oc bracing.
WEBS	1 Row at midpt 3-11, 4-9, 6-8

REACTIONS (lb/size) 2=1395/0-4-0, 8=1330/Mechanical
Max Horz 2=235(load case 5)
Max Uplift 2=489(load case 5), 8=381(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

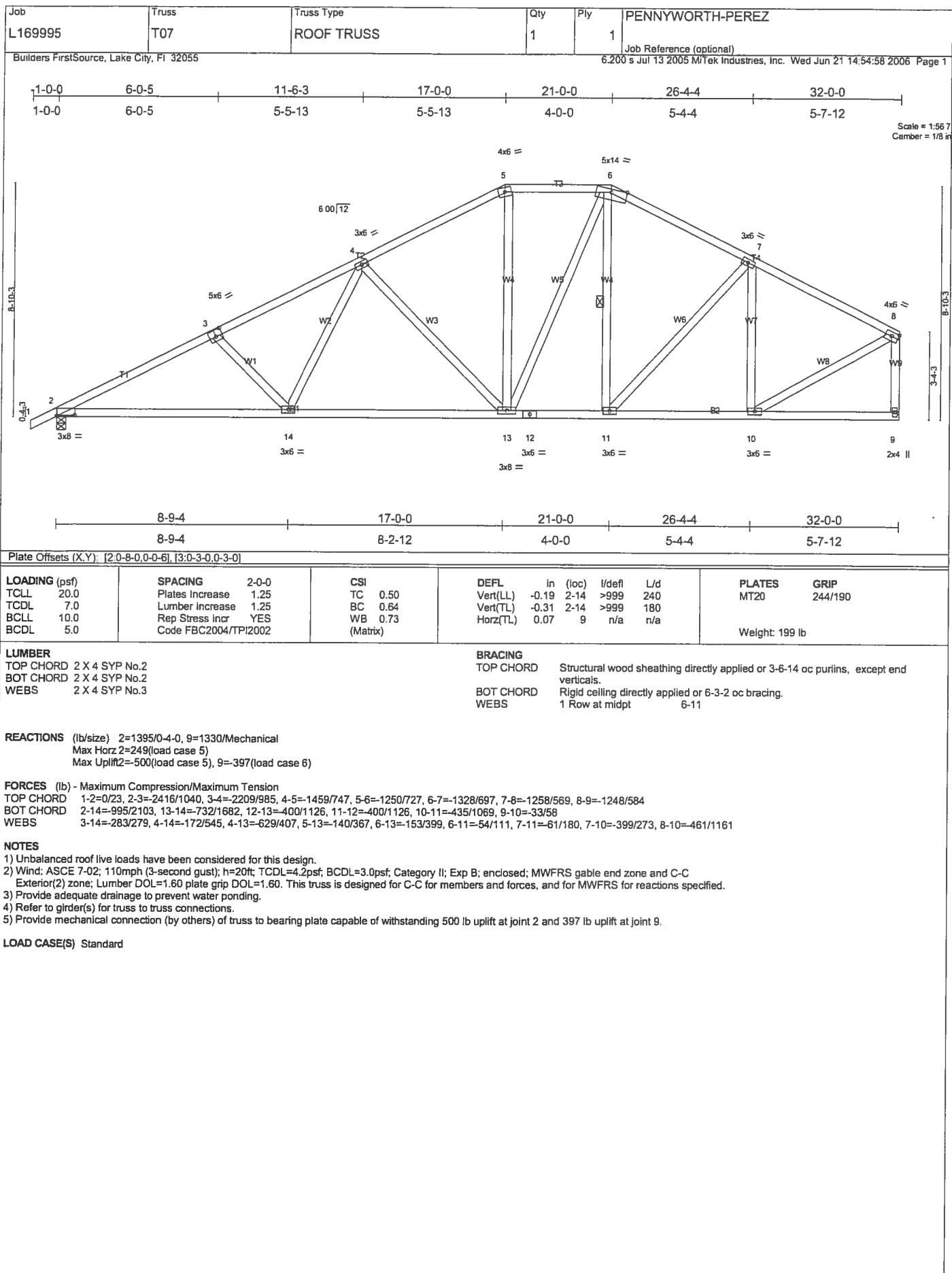
TOP CHORD	1-2=0/23, 2-3=240/4985, 3-4=1687/782, 4-5=1186/652, 5-6=1357/665, 6-7=163/83, 7-8=182/123
BOT CHORD	2-12=92/24, 3-11=712=924/2056, 10-11=553/1441, 9-10=553/1441, 8-9=400/932
WEBS	3-12=0/264, 3-6=113/426, 4-11=157/549, 4-9=429/186, 5-9=46/223, 6-9=118/448, 6-8=1318/607

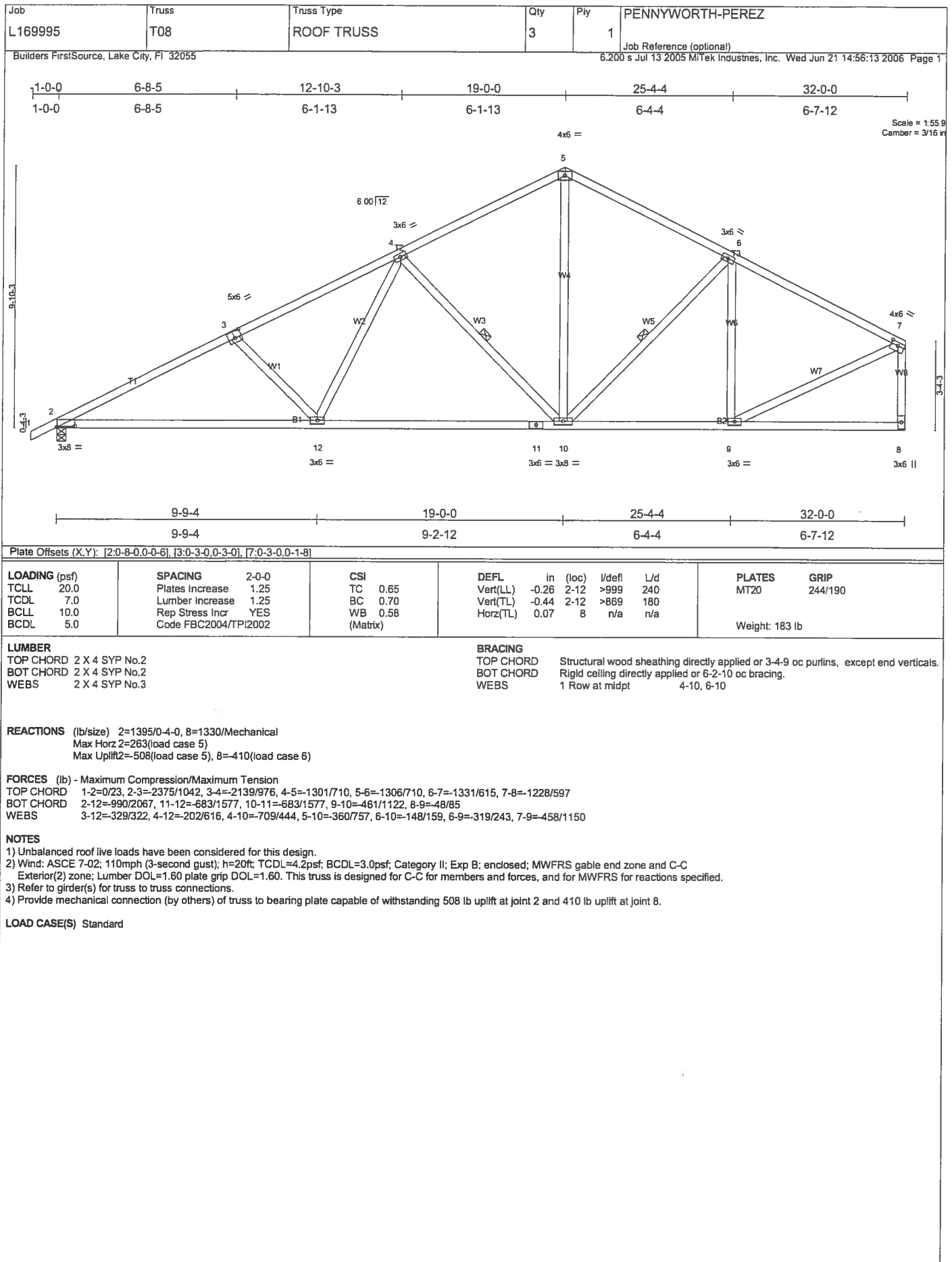
NOTES

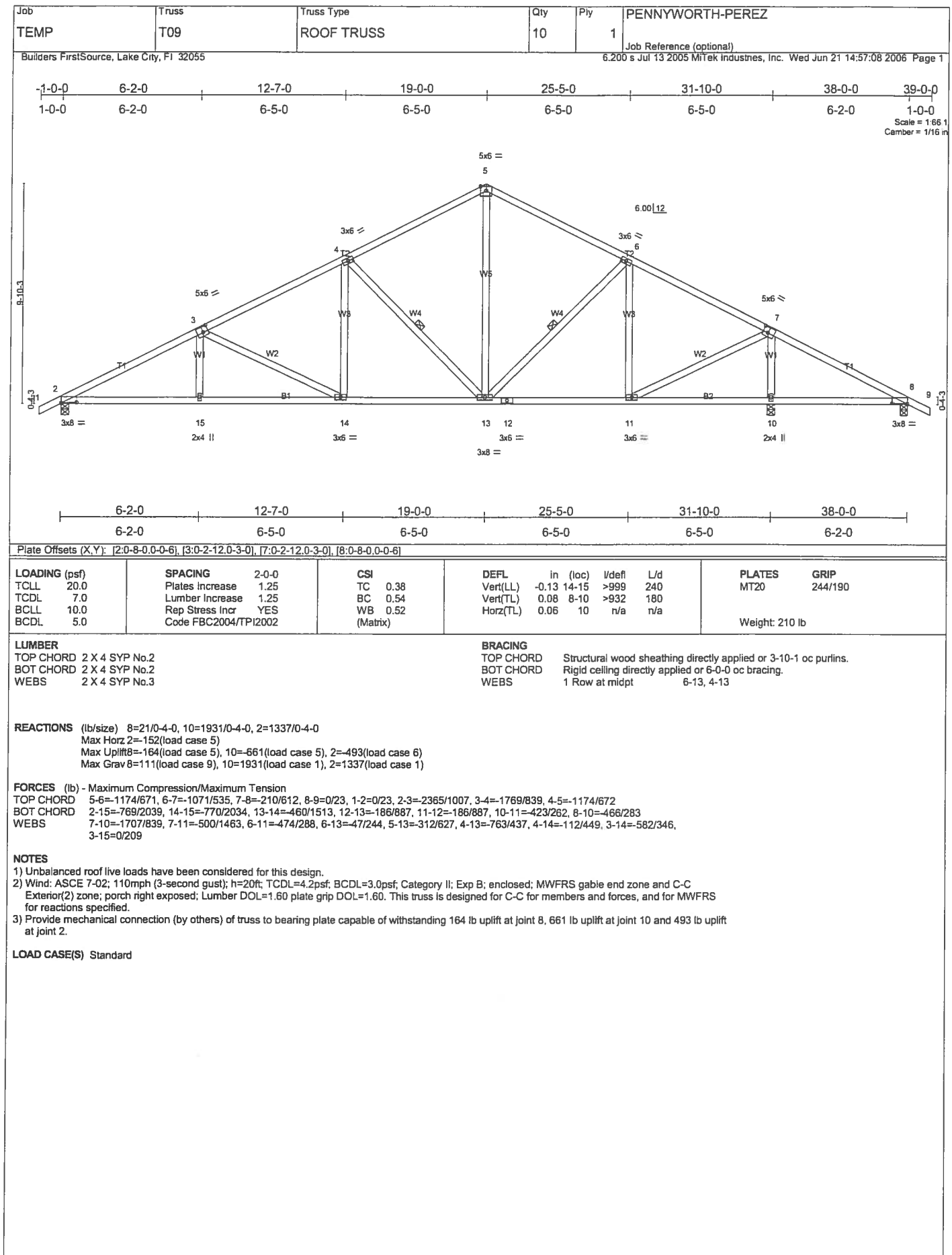
- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDF=4.2psf; BCDF=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members 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 489 lb uplift at joint 2 and 381 lb uplift at joint 8.

LOAD CASE(S) Standard

**JUNE 23, 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 L169995	Truss T10	Truss Type ROOF TRUSS	Qty 1	Ply 1	0 0
Builders FirstSource, Lake City, FL 32055			6.200 s Jul 13 2005 Mitek Industries, Inc. Wed Jun 21 15:45:08 2006 Page 1		

Scale = 1/32\"/>

Camber = 1/8\"/>

Plate Offsets (X,Y): [3:0-4-0-0-3-4], [4:0-3-8-Edge]										
LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.97	Vert(LL)	-0.21	6-8	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.65	Vert(TL)	-0.35	6-8	>748	180		
BCLL 10.0	Rep Stress Incr	NO	WB 0.99	Horz(TL)	0.06	5	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							
Weight: 131 lb										

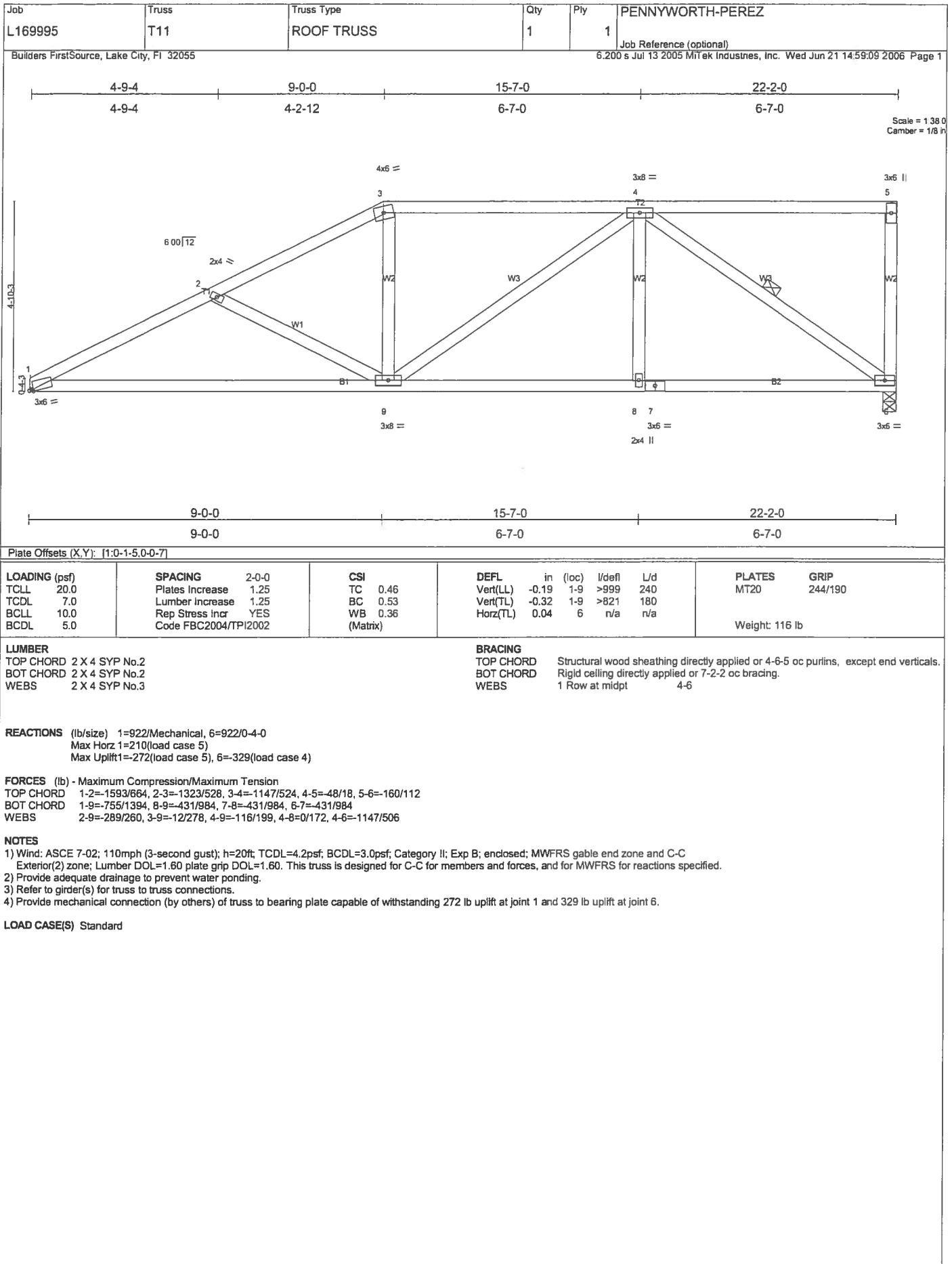
LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing directly applied or 2-8-10 oc purlins, except end verticals.
BOT CHORD 2 X 6 SYP No.1D	BOT CHORD Rigid ceiling directly applied or 6-9-14 oc bracing.
WEBS 2 X 4 SYP No.3 *Except*	WEBS 1 Row at midpt 2-8, 3-5
W1 2 X 4 SYP No.2, W1 2 X 4 SYP No.2	

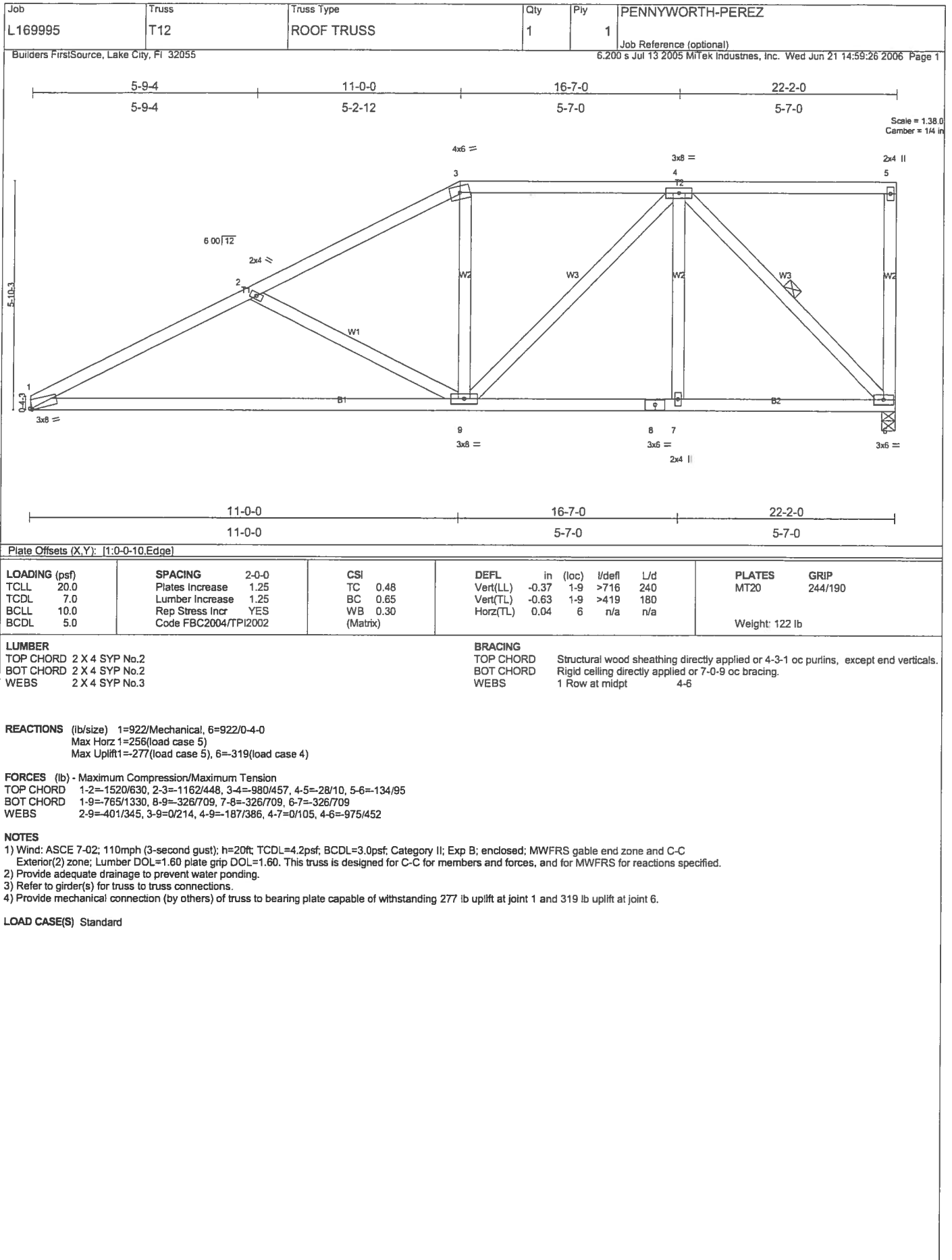
REACTIONS (lb/size) 8=2038/Mechanical, 5=2038/0-4-0
Max Uplift8=923(load case 2), 5=923(load case 2)

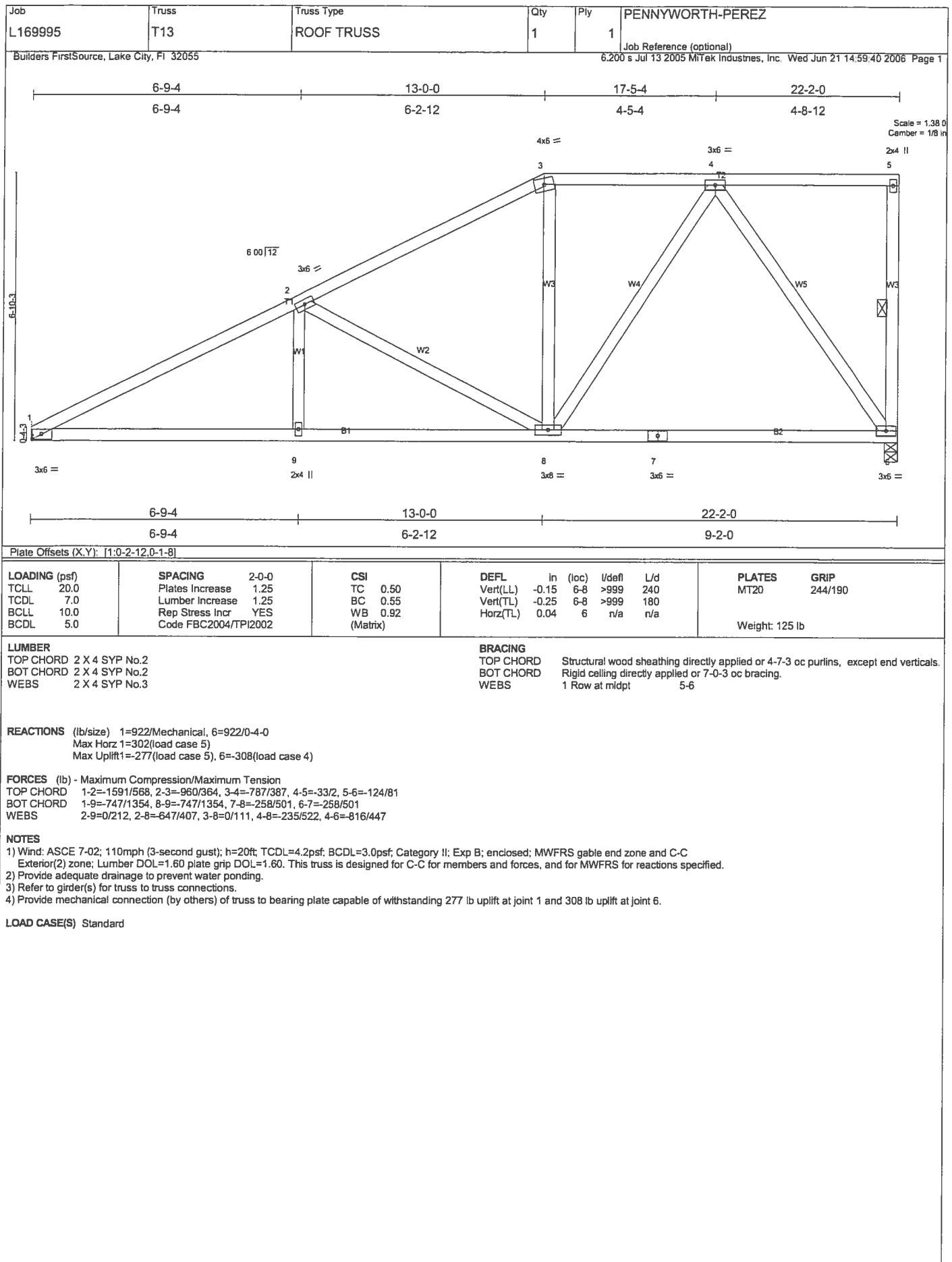
FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-8=-430/341, 1-2=-253/112, 2-3=-3331/1318, 3-4=-253/112, 4-5=-430/341
BOT CHORD 7-8=-1427/2931, 6-7=-1427/2931, 5-6=-1427/2931
WEBS 2-8=-2963/1455, 2-6=0/557, 3-6=0/557, 3-5=-2963/1455

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
2) 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 923 lb uplift at joint 8 and 923 lb uplift at joint 5.
5) Girder carries hip end with 0-0-0 right side setback, 0-0-0 left side setback, and 7-0-0 end setback.
6) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert 1-4=-120(F=-66), 5-8=-67(F=-37)







Job L169995	Truss T14	Truss Type ROOF TRUSS	Qty 1	Ply 1	PENNYWORTH-PEREZ
Builders FirstSource, Lake City, FL 32055					Job Reference (optional)

6.200 s Jul 13 2005 Mitek Industries, Inc. Wed Jun 21 14:59:54 2006 Page 1

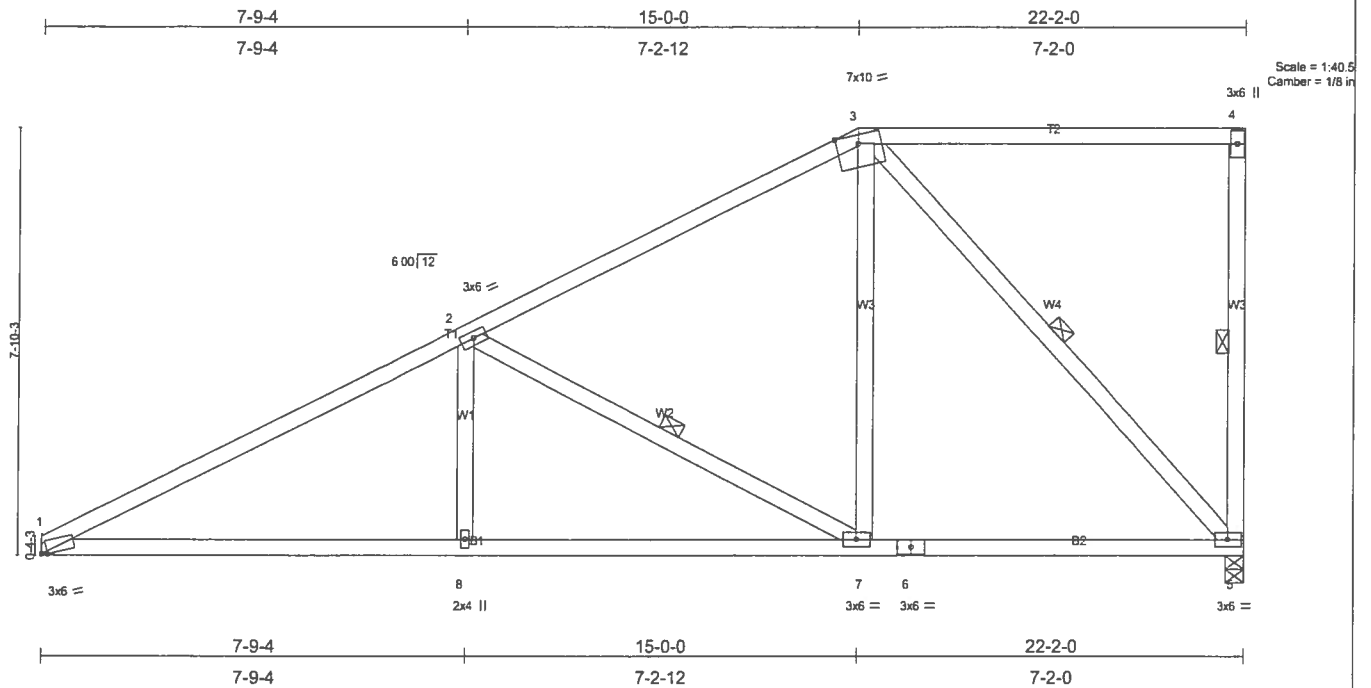


Plate Offsets (X,Y): [1:0-1-5,0-0-7]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.46	Vert(LL)	-0.17	1-8	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.58	Vert(TL)	-0.27	1-8	>966	180		
BCLL 10.0	Rep Stress Incr	YES	WB 0.43	Horz(TL)	0.04	5	n/a	n/a		
BCDL 5.0	Code FBC2004/TP12002		(Matrix)							
									Weight: 122 lb	

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

BRACING
 TOP CHORD Structural wood sheathing directly applied or 4-5-8 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 6-11-4 oc bracing.
 WEBS 1 Row at midpt 4-5, 2-7, 3-5

REACTIONS (lb/size) 1=922/Mechanical, 5=922/0-4-0
 Max Horz 1=348(load case 5)
 Max Uplift 1=273(load case 5), 5=325(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-1538/509, 2-3=-786/279, 3-4=-29/13, 4-5=-174/128
 BOT CHORD 1-8=-732/1297, 7-8=-732/1297, 6-7=-329/632, 5-6=-329/632
 WEBS 2-8=0/270, 2-7=-766/460, 3-7=-159/567, 3-5=-886/467

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) 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 273 lb uplift at joint 1 and 325 lb uplift at joint 5.

LOAD CASE(S) Standard

Job L169995	Truss T15	Truss Type ROOF TRUSS	Qty 1	Ply 1	PENNYWORTH-PEREZ Job Reference (optional) 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Jun 21 15:00:22 2006 Page 1
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Builders FirstSource, Lake City, Fl 32055

The diagram illustrates a roof truss system with various members labeled T1-T3, B1-B2, W1-W6, and plates P1-P2. Dimensions are provided for all segments. Member sizes include 3x6, 4x6, 5x6, 5x14, 2x4, and 3x6 II. Plate offsets are specified as [2;0-3;0,0-3;0].

LOADING (psf)		SPACING		CSI		DEFL				PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.88	in	(loc)	I/defl	L/d	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.52	Vert(LL)	-0.19	1-11	>999	240	
BCLL	10.0	Rep Stress Incr	YES	WB	0.74	Vert(TL)	-0.31	1-11	>844	180	
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)		Horz(TL)	0.03	7	n/a	n/a	
Weight: 145 lb											

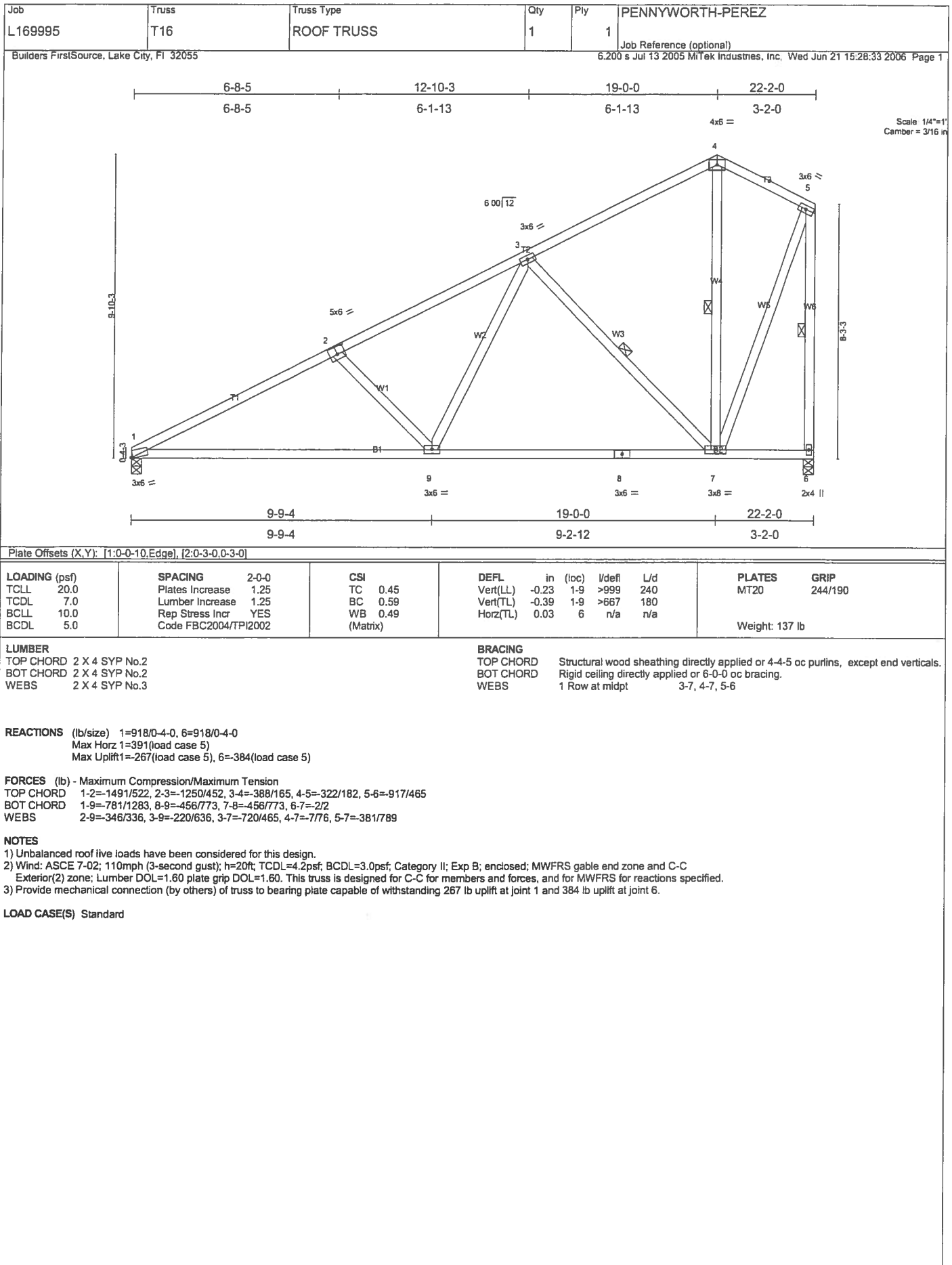
LUMBER TOP CHORD 2 X 4 SYP No.2 BOT CHORD 2 X 4 SYP No.2 WEBS 2 X 4 SYP No.3	BRACING TOP CHORD Structural wood sheathing directly applied or 4-5-9 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 6-10-3 oc bracing. WEBS 1 Row at midpt 4-9, 5-8, 6-7
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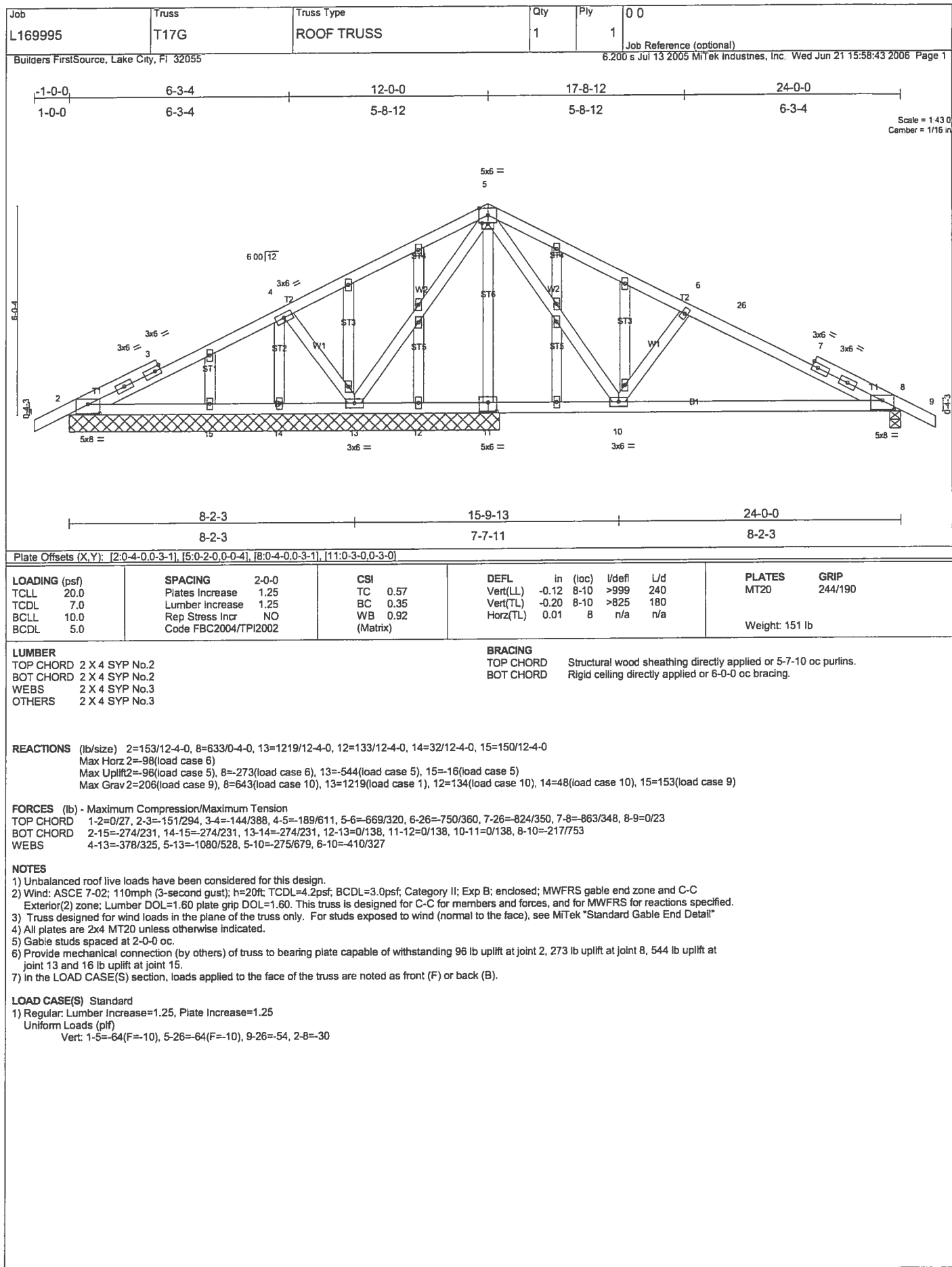
REACTIONS ((lb)/size) 1=922/Mechanical, 7=922/D-4-D
 Max Horz 1=377(load case 5)
 Max Uplift1=-270(load case 5), 7=-356(load case 5)

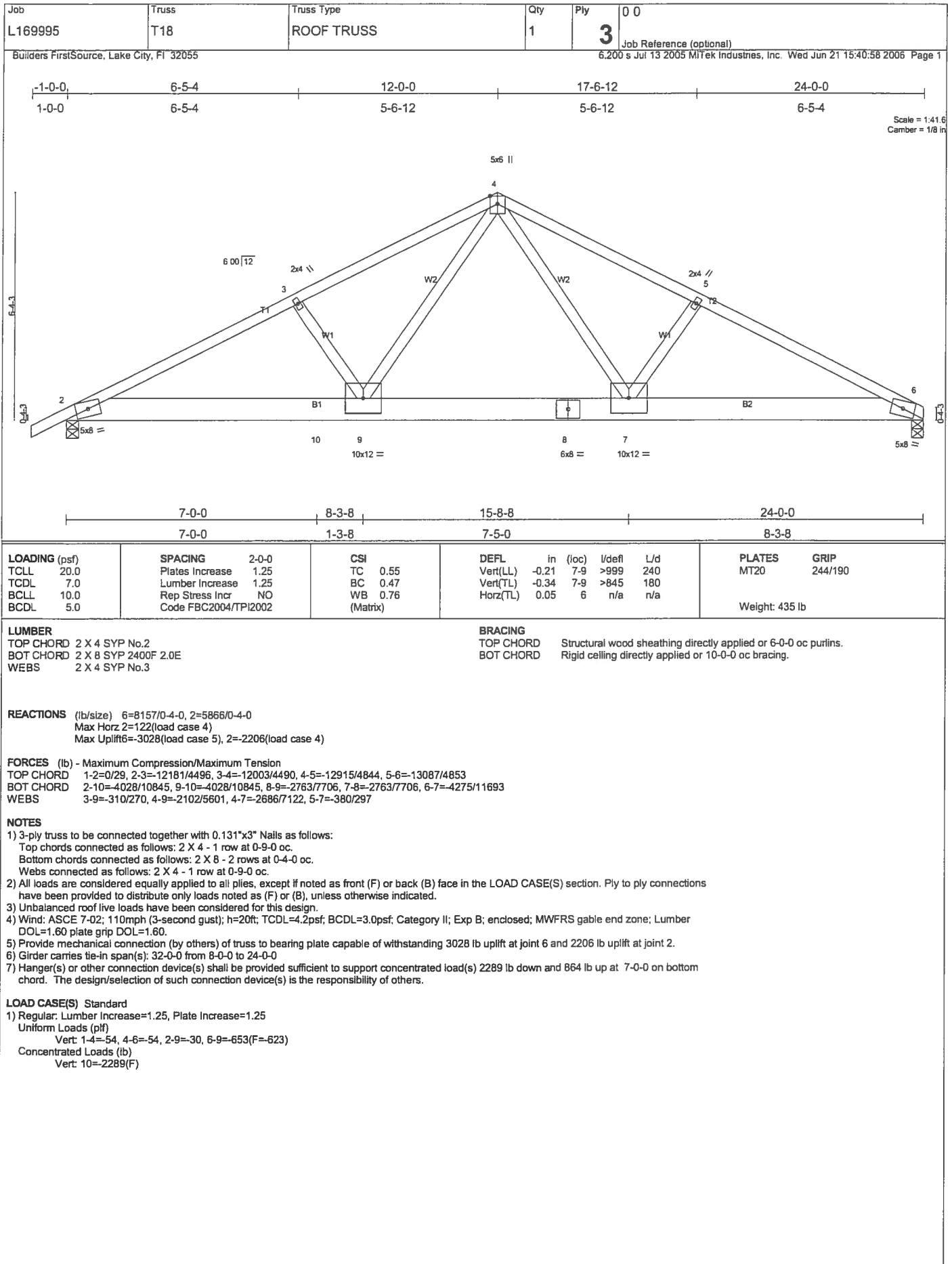
FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-1557/541, 2-3=-1337/477, 3-4=-561/219, 4-5=-444/254, 5-6=-280/152, 6-7=-505/270
 BOT CHORD 1-11=-808/1350, 10-11=-515/885, 9-10=-515/885, 8-9=-25/50, 7-8=-29/57
 WEBS 2-11=-322/307, 3-11=-197/575, 3-9=-630/409, 4-9=-141/163, 5-9=-492/957, 5-8=-433/238

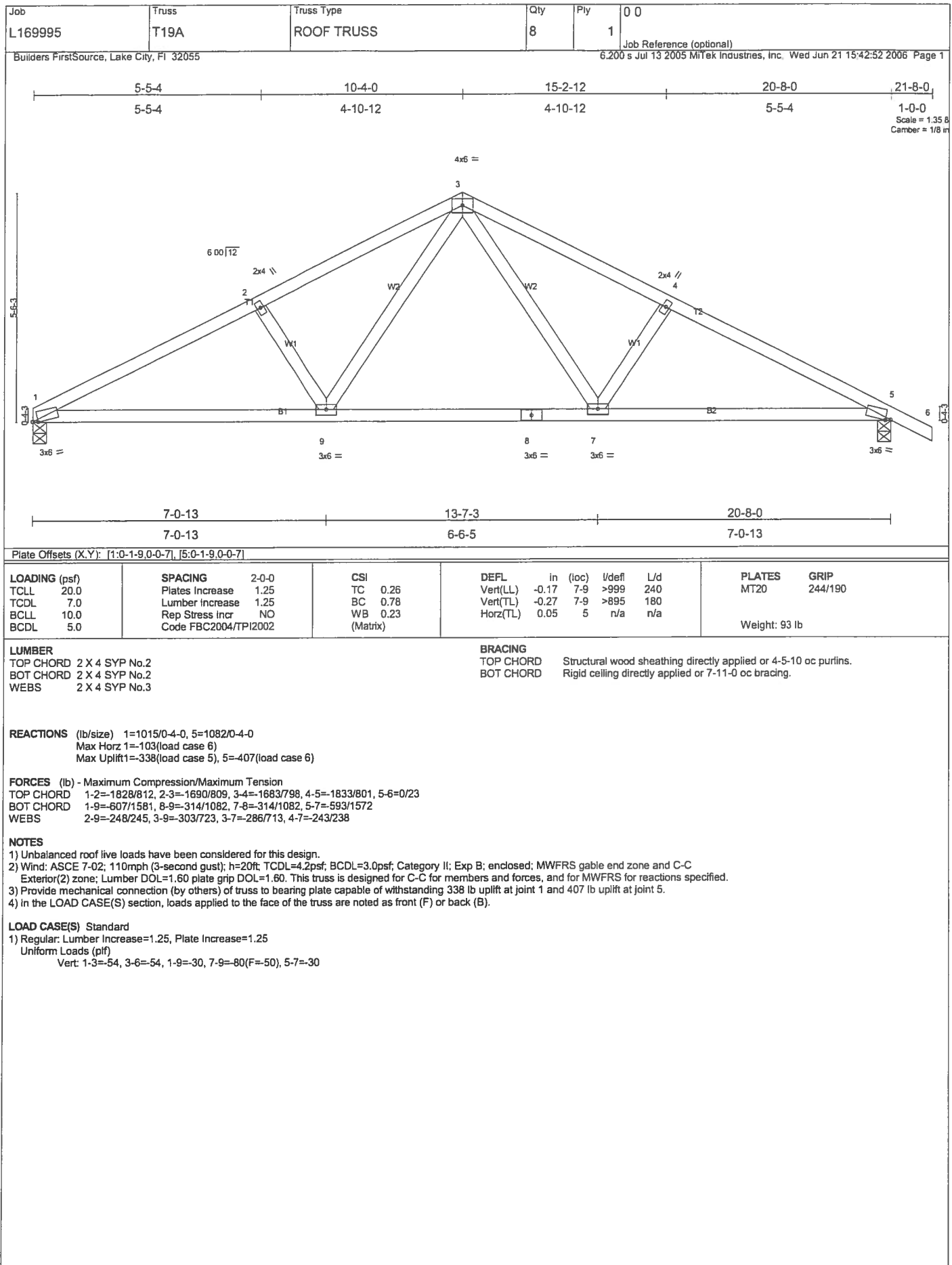
NOTES
 1) Unbalanced roof live loads have been considered for this design.
 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BC DL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for 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 270 lb uplift at joint 1 and 356 lb uplift at joint 7.

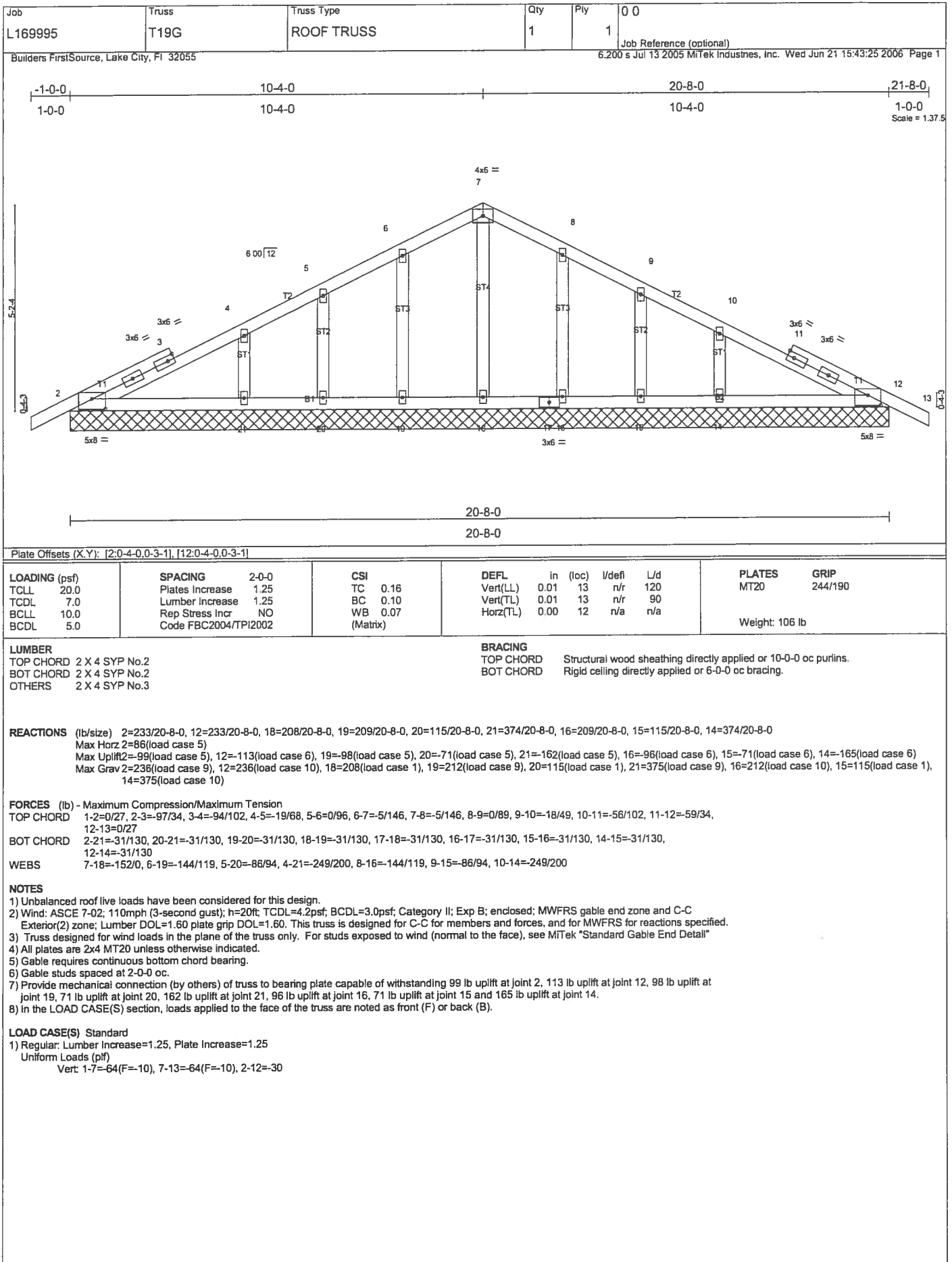
LOAD CASE(S) Standard











Job L169995	Truss T20	Truss Type ROOF TRUSS	Qty 1	Ply 1	0 0
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Jun 21 15:44:02 2006 Page 1		

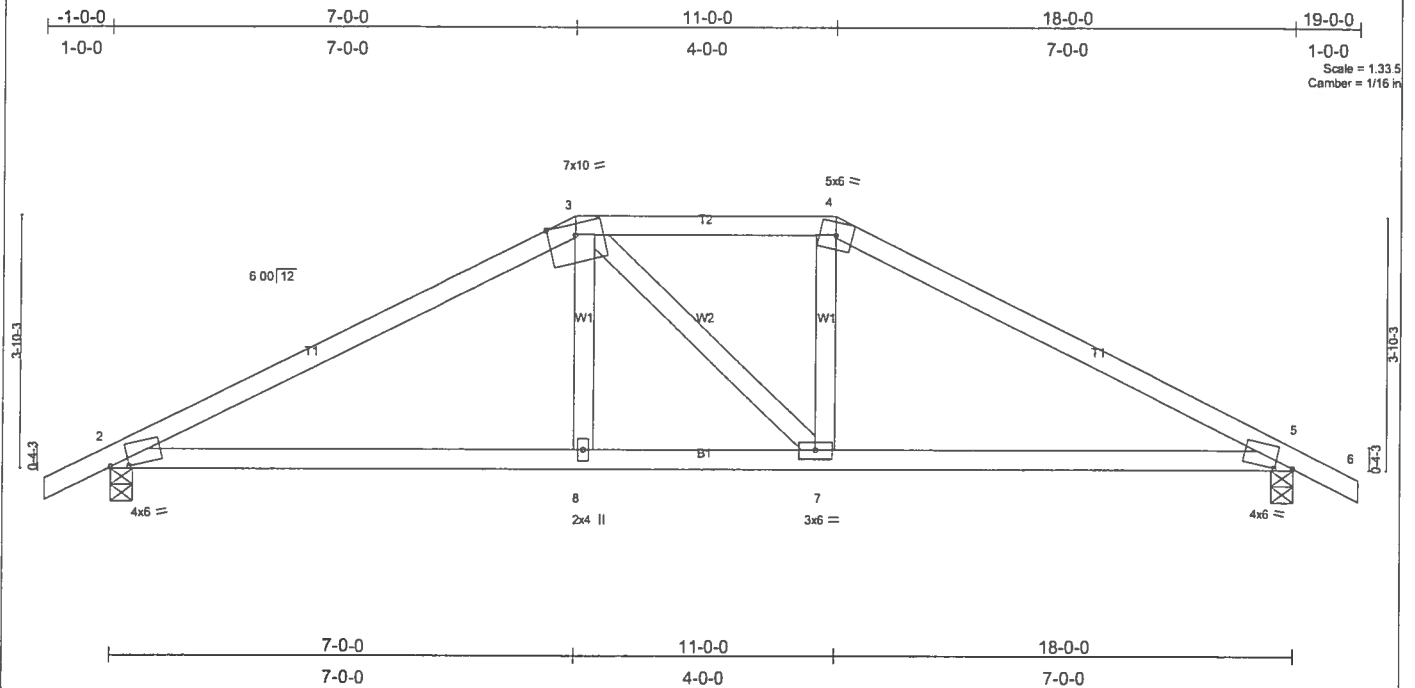


Plate Offsets (X,Y): [2:0-3-5:0-0-11], [5:0-3-5:0-0-11]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCCL 20.0	2-0-0	TC 0.49	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.74	Vert(LL) -0.14 2-8 >999 240		
BCCL 10.0	Lumber Increase 1.25	WB 0.27	Vert(TL) -0.24 2-8 >894 180		
BCDL 5.0	Rep Stress Incr NO	(Matrix)	Horz(TL) 0.07 5 n/a n/a		
	Code FBC2004/TP12002			Weight: 76 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 3-4-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-3-6 oc bracing.

REACTIONS (lb/size) 2=1535/0-4-0, 5=1535/0-4-0
Max Horz 2=68(load case 4)
Max Uplift 2=675(load case 4), 5=675(load case 5)

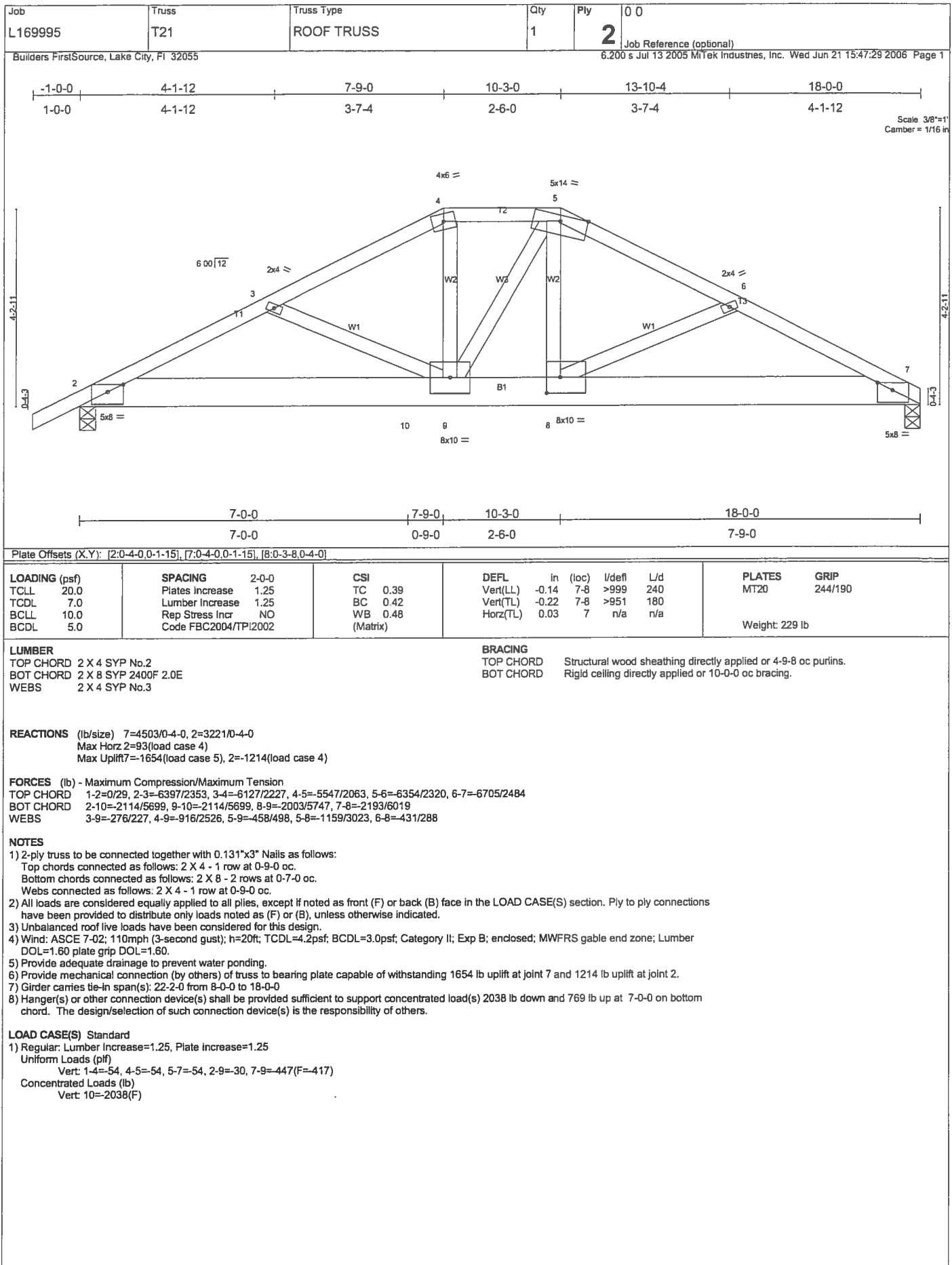
FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/23, 2-3=-2733/1138, 3-4=-2393/1090, 4-5=-2735/1138, 5-6=0/23
BOT CHORD 2-8=-956/2359, 7-8=-966/2391, 5-7=-913/2361
WEBS 3-8=-248/792, 3-7=-136/142, 4-7=-277/857

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; Lumber DOL=1.60 plate grip DOL=1.60.
- Provide adequate drainage to prevent water ponding.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 675 lb uplift at joint 2 and 675 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) 539 lb down and 277 lb up at 11-0-0, and 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.
- 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: 1-3=-54, 3-4=-117(F=-63), 4-6=-54, 2-8=-30, 7-8=-65(F=-35), 5-7=-30
Concentrated Loads (lb)
Vert: 8=-539(F) 7=-539(F)



Job L169995	Truss T22	Truss Type ROOF TRUSS	Qty 1	Ply 1	0 0 Job Reference (optional)
Builders FirstSource, Lake City, FL 32055			6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Jun 21 15:48:01 2006 Page 1		

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.35	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.34	Vert(LL) -0.07 7-8 >999 240		
BCLL 10.0	Rep Stress Incr NO	WB 0.08	Vert(TL) -0.11 7-8 >999 180		
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)	Horz(TL) 0.02 5 n/a n/a		
Weight: 54 lb					

LUMBER

TOP CHORD 2 X 4 SYP No.2

BOT CHORD 2 X 4 SYP No.2

WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 5-5-3 oc purlins.

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

REACTIONS (lb/size) 2=676/0-4-0, 5=676/0-4-0
 Max Horz 2=-40(load case 5)
 Max Uplift 2=-264(load case 4), 5=-308(load case 5)

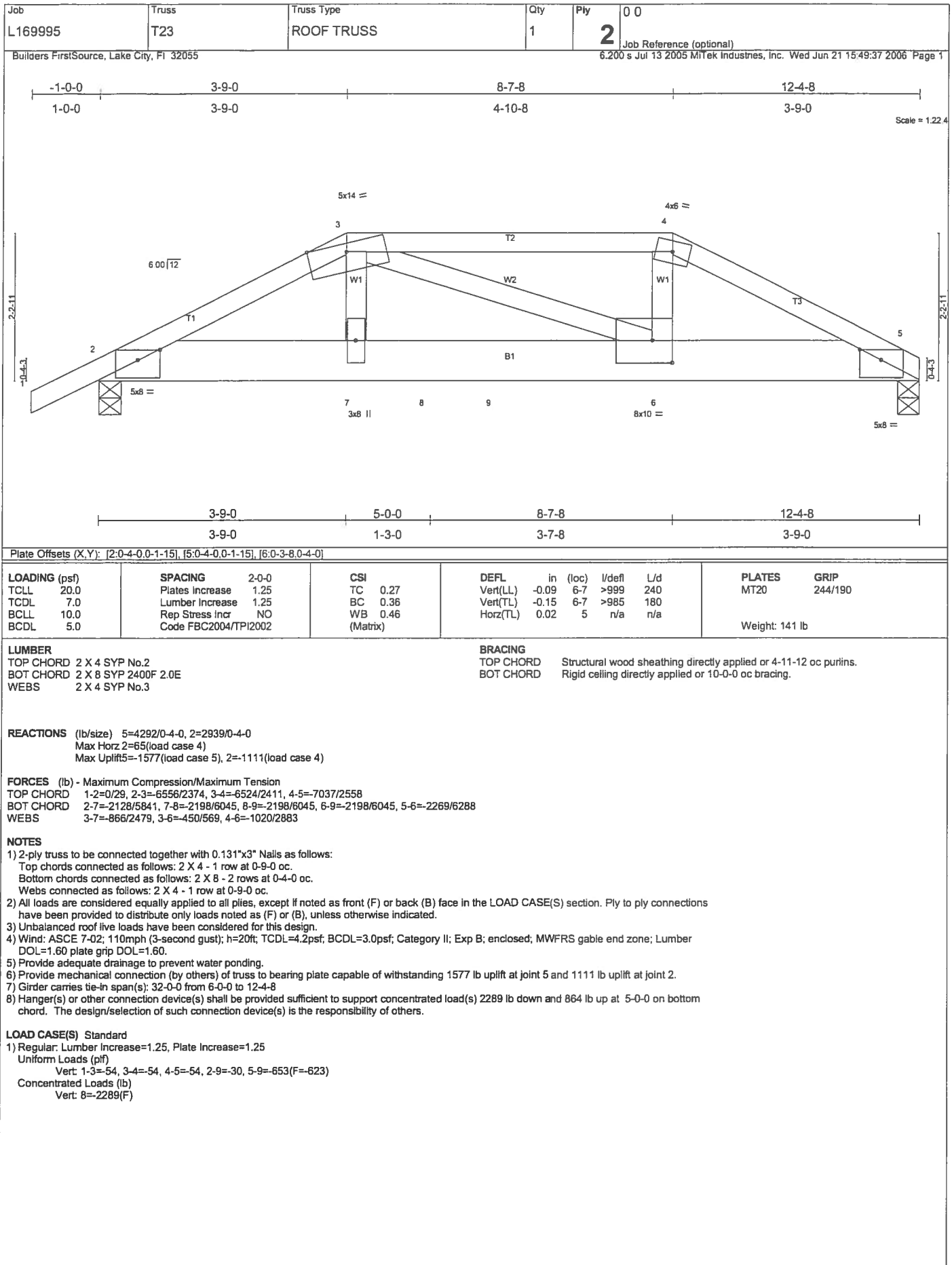
FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/23, 2-3=-1172/431, 3-4=-1045/431, 4-5=-1176/439, 5-6=0/23
 BOT CHORD 2-8=-351/1018, 7-8=-349/1039, 5-7=-331/1024
 WEBS 3-8=0/239, 3-7=-46/56, 4-7=0/250

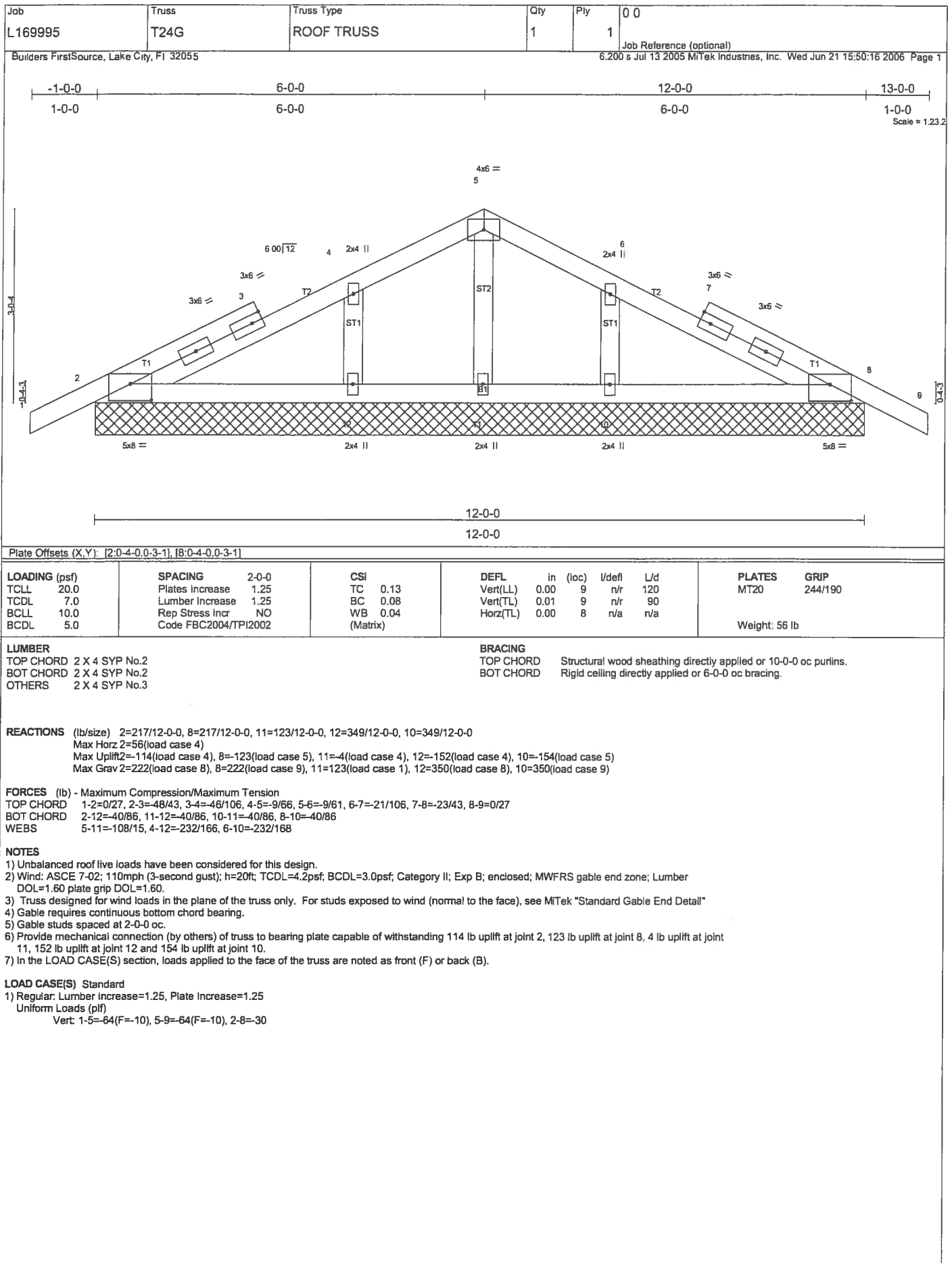
NOTES

- 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; Lumber DOL=1.60 plate grip DOL=1.60.
- Provide adequate drainage to prevent water ponding.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 264 lb uplift at joint 2 and 308 lb uplift at joint 5.
- Girder carries hip end with 3-0-0 end setback.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 63 lb down and 32 lb up at 9-4-8, and 63 lb down and 32 lb up at 3-0-0 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

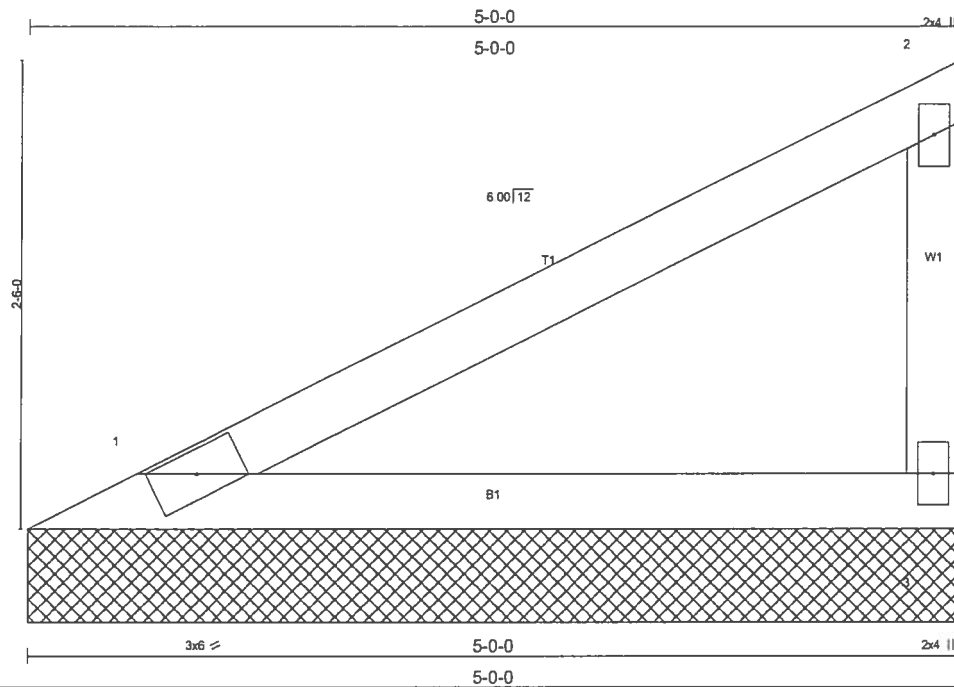
- Regular: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-3=-54, 3-4=-63(F=-9), 4-6=-54, 2-8=-30, 7-8=-35(F=-5), 5-7=-30
 Concentrated Loads (lb)
 Vert: 8=-63(F) 7=-63(F)





Job L169995	Truss V05	Truss Type ROOF TRUSS	Qty 1	Ply 1	0 0
Builders FirstSource, Lake City, FL 32055			Job Reference (optional)		

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LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	2'-0"-0"	TC 0.25	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.13	Vert(TL)	n/a	-	n/a	999		
BCCL 10.0	Lumber Increase 1.25	WB 0.00	Horz(TL)	0.00		n/a	n/a		
BCDL 5.0	Rep Stress Incr YES	(Matrix)							
	Code FBC2004/TPI2002							Weight: 18 lb	

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

BRACING
 TOP CHORD Structural wood sheathing directly applied or 5'-0"-0" oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10'-0"-0" oc bracing.

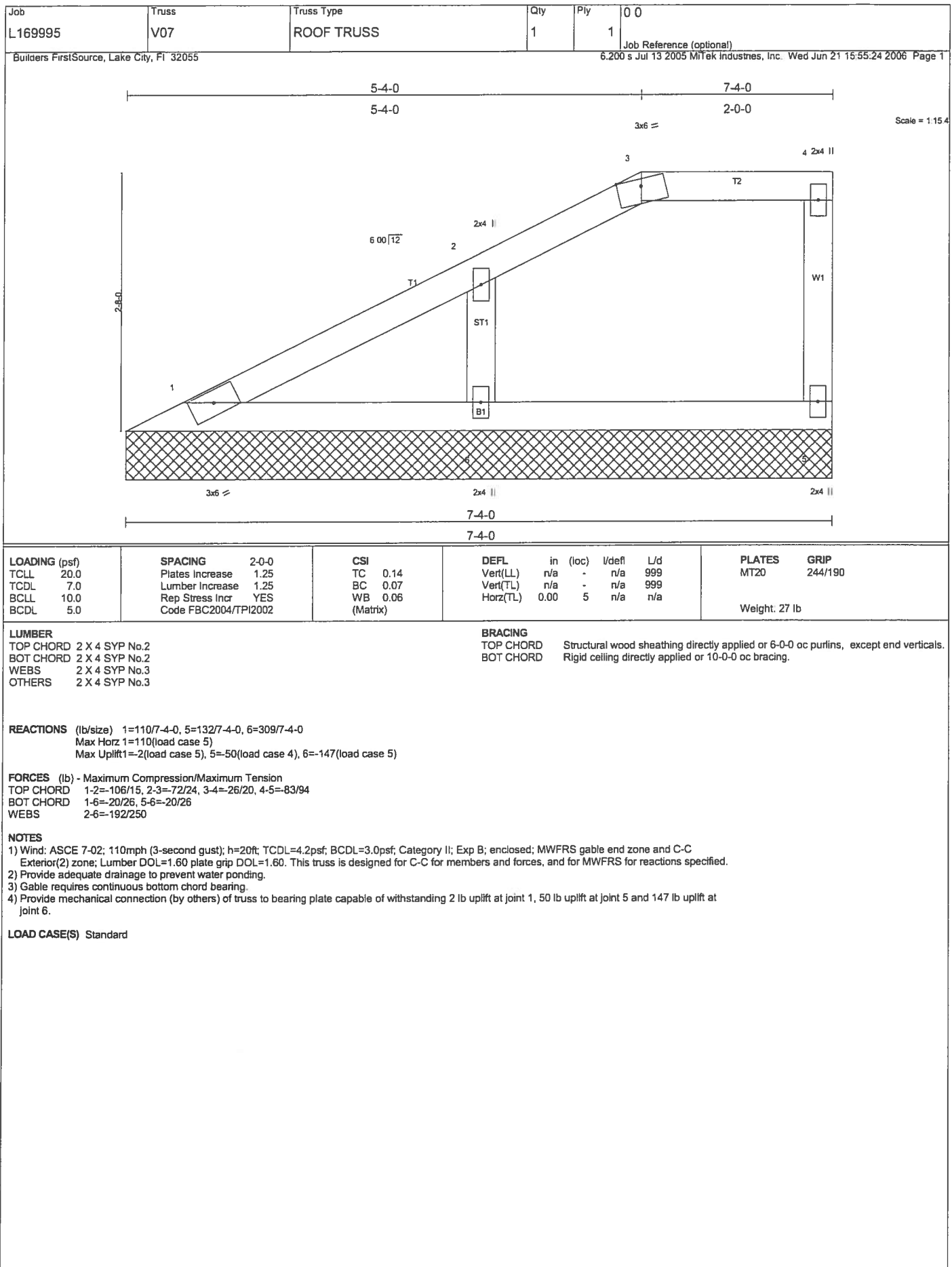
REACTIONS (lb/size) 1=178/5'-0"-0", 3=178/5'-0"-0"
 Max Horz 1=98(load case 5)
 Max Uplift 1=43(load case 5), 3=92(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-88/41, 2-3=-114/166
 BOT CHORD 1-3=0/0

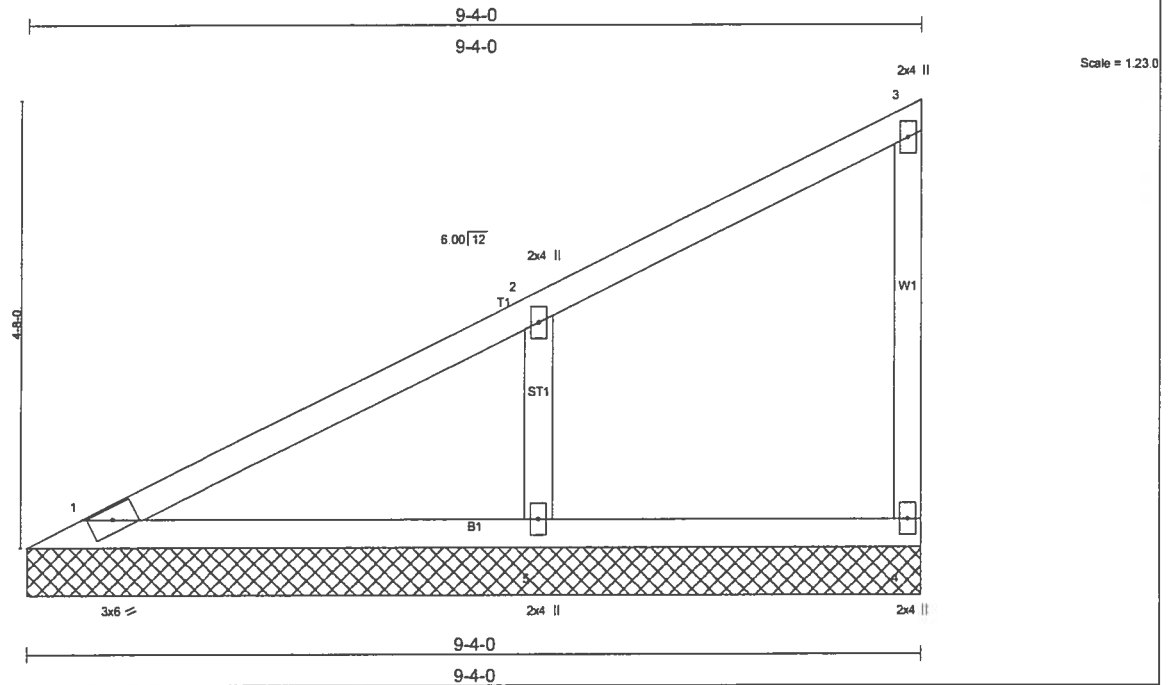
NOTES

- 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; 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) Gable requires continuous bottom chord bearing.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 43 lb uplift at joint 1 and 92 lb uplift at joint 3.

LOAD CASE(S) Standard



Job L169995	Truss V09	Truss Type ROOF TRUSS	Qty 1	Ply 1	0 0
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.200 s Jul 13 2005 Milltek Industries, Inc. Wed Jun 21 15:55:53 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 0.21	Vert(LL) n/a - n/a 999	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.14	Vert(TL) n/a - n/a 999		
BCLL 10.0	Rep Stress Incr YES	WB 0.08	Horz(TL) 0.00 4 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
 OTHERS 2 X 4 SYP No.3

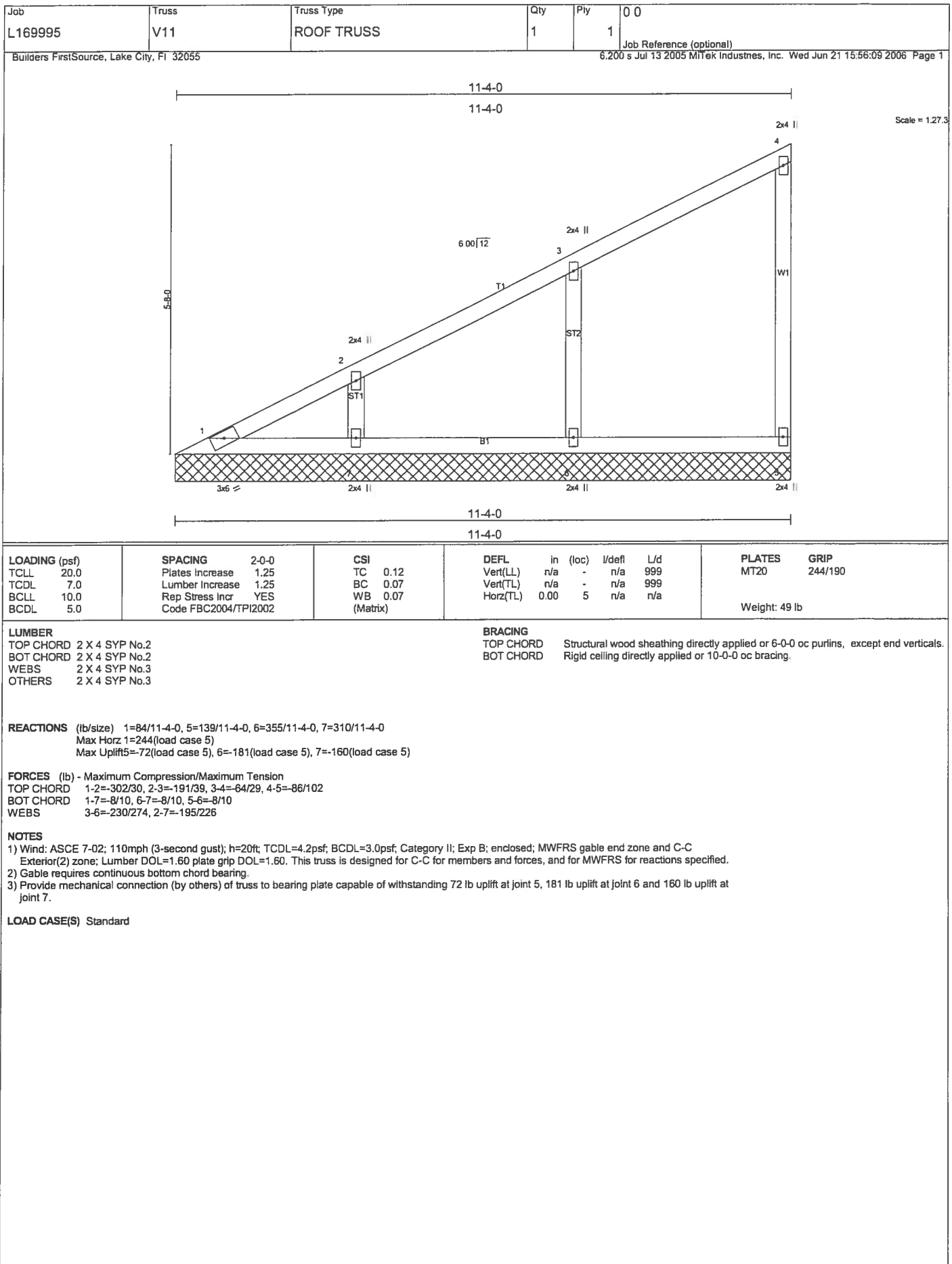
BRACING
 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

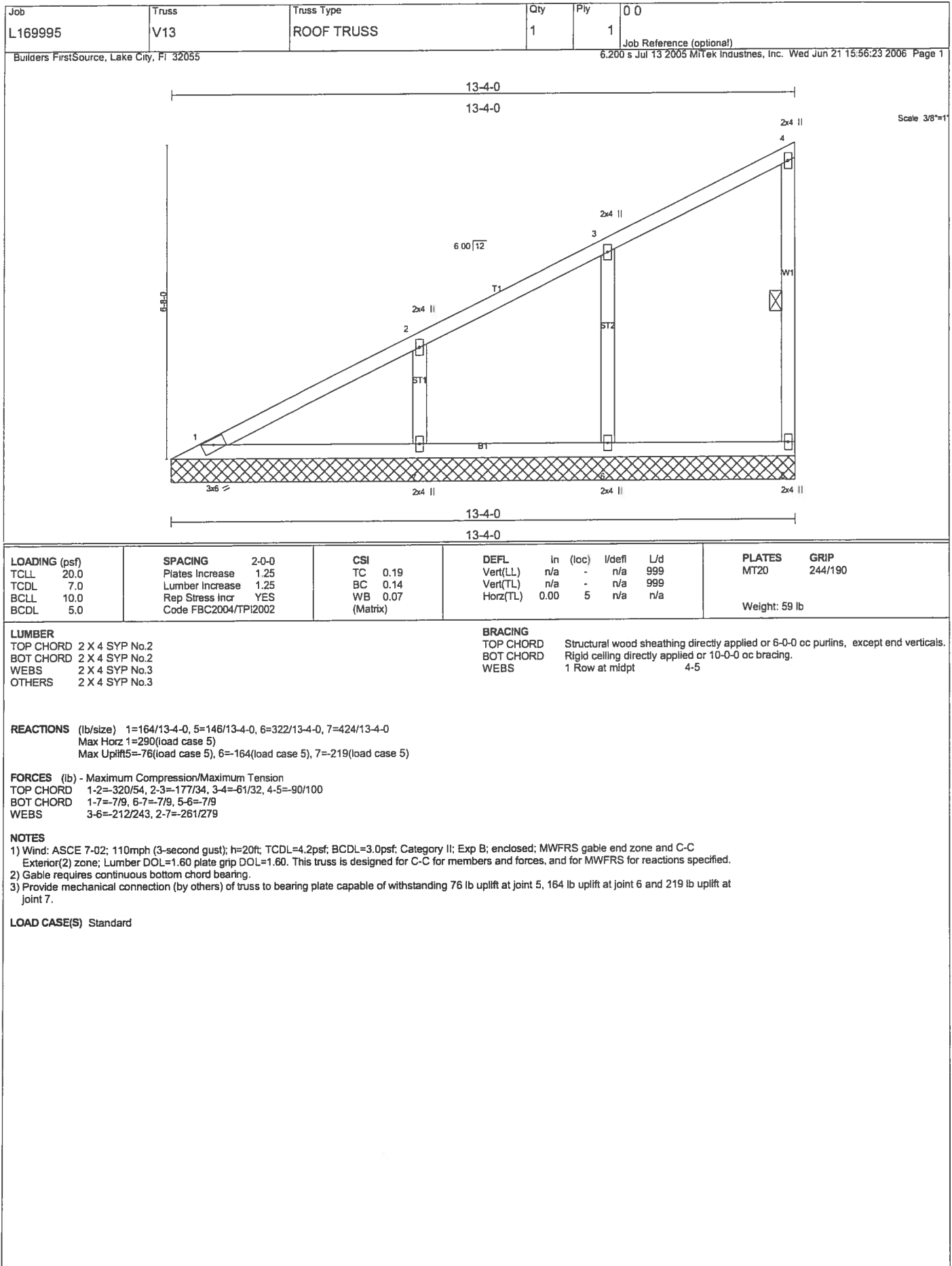
REACTIONS (lb/size) 1=163/9-4-0, 4=118/9-4-0, 5=439/9-4-0
 Max Horiz 1=198(load case 5)
 Max Uplift 4=62(load case 5), 5=225(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-217/55, 2-3=-67/26, 3-4=-76/100
 BOT CHORD 1-5=-8/9, 4-5=-8/9
 WEBS 2-5=-273/329

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 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) Gable requires continuous bottom chord bearing.
 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 62 lb uplift at joint 4 and 225 lb uplift at joint 5.

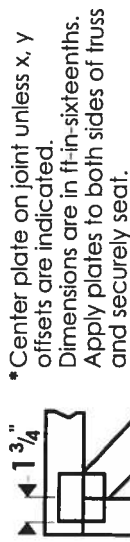
LOAD CASE(S) Standard



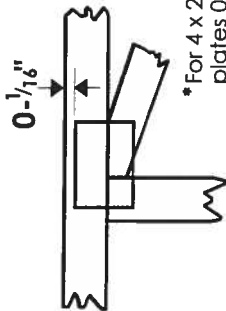


Symbols

PLATE LOCATION AND ORIENTATION



* Center plate on joint unless x, y offsets are indicated. Dimensions are in ft-in-sixteenths. Apply plates to both sides of truss and securely seat.



* For 4 x 2 orientation, locate plates 0-1/16" from outside edge of truss.

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

* Plate location details available in Mitek 20/20 software or upon request.

PLATE SIZE

4 X 4

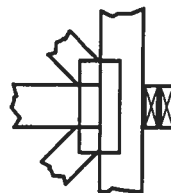
The first dimension is the width perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING



Indicated by symbol shown and/or by text in the bracing section of the output. Use T, I or Eliminator bracing if indicated.

BEARING

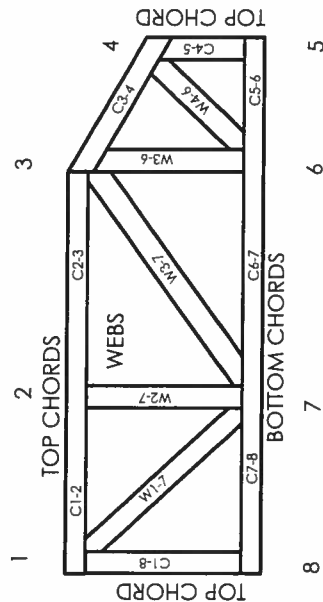


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

Industry Standards:

ANSI/TPI1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-89: Design Standard for Bracing.
BCS11: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System

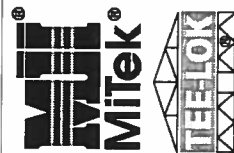


JOINTS ARE GENERALLY NUMBERED/LETTERED CLOCKWISE AROUND THE TRUSS STARTING AT THE JOINT FARTHEST TO THE LEFT.

CHORDS AND WEBS ARE IDENTIFIED BY END JOINT NUMBERS/LETTERS.

CONNECTOR PLATE CODE APPROVALS

BOCA	96-31, 95-43, 96-20-1, 96-67, 84-32
ICBO	4922, 5243, 5363, 3907
SBCCI	9667, 9730, 9604B, 9511, 9432A



Mitek Engineering Reference Sheet: Mill-7473

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCS11.
2. Never exceed the design loading shown and never stack materials on inadequately braced trusses.
3. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
4. Cut members to bear tightly against each other.
5. Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TPI1.
6. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI1.
7. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
8. Unless expressly noted, this design is not applicable for use with fire retardant or preservative treated lumber.
9. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
10. Plate type, size, orientation and location dimensions shown indicate minimum plating requirements.
11. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
12. Top chords must be sheathed or purlins provided at spacing shown on design.
13. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
14. Connections not shown are the responsibility of others.
15. Do not cut or alter truss member or plate without prior approval of a professional engineer.
16. Install and load vertically unless indicated otherwise.

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