

Project Information for:		L209778	
Builder:	HUGO ESCALANTE	Date:	9/12/2006
Lot:	LOT 20 ROLLING MEADOWS	Start Number:	1112
Subdivision:	N/A	SEI Ref:	L209778
County or City:	COLUMBIA COUNTY		
Truss Page Count:	50		

Truss Design Load Information (UNO)		Design Program: MiTek	
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)	
ESCALANTE, HUGO CRC 1326967	
Address:	P.O. BOX 280
	FORT WHITE, FL. 32038
Designer:	39

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	Phone:	813-849-5769

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	0912061112	9/12/2006	41	T24	0912061152	9/12/2006
2	CJ1A	0912061113	9/12/2006	42	T25	0912061153	9/12/2006
3	CJ3	0912061114	9/12/2006	43	T26	0912061154	9/12/2006
4	CJ3T	0912061115	9/12/2006	44	T27	0912061155	9/12/2006
5	CJ4	0912061116	9/12/2006	45	T28	0912061156	9/12/2006
6	CJ5	0912061117	9/12/2006	46	T29	0912061157	9/12/2006
7	CJ5T	0912061118	9/12/2006	47	T30	0912061158	9/12/2006
8	CJ6	0912061119	9/12/2006	48	T31	0912061159	9/12/2006
9	EJ4	0912061120	9/12/2006	49	T32	0912061160	9/12/2006
10	EJ4A	0912061121	9/12/2006	50	T33	0912061161	9/12/2006
11	EJ7	0912061122	9/12/2006				
12	EJ7A	0912061123	9/12/2006				
13	EJ7T	0912061124	9/12/2006				
14	HJ5	0912061125	9/12/2006				
15	HJ9A	0912061126	9/12/2006				
16	HJ9T	0912061127	9/12/2006				
17	T01	0912061128	9/12/2006				
18	T02	0912061129	9/12/2006				
19	T02G	0912061130	9/12/2006				
20	T03	0912061131	9/12/2006				
21	T04	0912061132	9/12/2006				
22	T05	0912061133	9/12/2006				
23	T06	0912061134	9/12/2006				
24	T07	0912061135	9/12/2006				
25	T08	0912061136	9/12/2006				
26	T09	0912061137	9/12/2006				
27	T10	0912061138	9/12/2006				
28	T11	0912061139	9/12/2006				
29	T12	0912061140	9/12/2006				
30	T13	0912061141	9/12/2006				
31	T14	0912061142	9/12/2006				
32	T15	0912061143	9/12/2006				
33	T16	0912061144	9/12/2006				
34	T17	0912061145	9/12/2006				
35	T18	0912061146	9/12/2006				
36	T19	0912061147	9/12/2006				
37	T20	0912061148	9/12/2006				
38	T21	0912061149	9/12/2006				
39	T22	0912061150	9/12/2006				
40	T23	0912061151	9/12/2006				

SEP 12 2006


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Licensee Details

Licensee Information

Name: **ESCALANTE, HUGO (Primary Name)**
EWPL INC (DBA Name)
Main Address: **P.O. BOX 280**
FORT WHITE, Florida 32038

License Information

License Type: **Certified Residential Contractor**
Rank: **Cert Residential**
License Number: **CRC1326967**
Status: **Current, Active**
Licensure Date: **11/24/2003**
Expires: **08/31/2006**

Special Qualifications	Effective Date
Qualified Business License Required	11/24/2003

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Job L209778	Truss CJ1	Truss Type JACK	Qty 4	Ply 1	EWPL- LOT 20 ROLLING MEADOWS
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.300 s Apr 19 2006 Mitek Industries, Inc. Mon Sep 11 15:01:45 2006 Page 1		

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

3x6 =

Plate Offsets (X,Y): [2-0-3-4,0-1-8]					
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 0.01	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: 6 lb	

LUMBER TOP CHORD 2 X 4 SYP No.2 BOT CHORD 2 X 4 SYP No.2	BRACING TOP CHORD Structural wood sheathing directly applied or 1-0-0 oc purlins. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
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REACTIONS (lb/size) 2=167/0-4-0, 4=14/Mechanical, 3=27/Mechanical
 Max Horz 2=76(load case 5)
 Max Uplift 2=156(load case 5), 3=27(load case 1)
 Max Grav 2=167(load case 1), 4=14(load case 1), 3=46(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/35, 2-3=-43/29
 BOT CHORD 2-4=0/0

JOINT STRESS INDEX
 2 = 0.08

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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
 3) Refer to girder(s) for truss to truss connections.
 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 156 lb uplift at joint 2 and 27 lb uplift at joint 3.

LOAD CASE(S) Standard

Job L209778	Truss CJ1A	Truss Type MONO HIP	Qty 1	Ply 1	EWPL- LOT 20 ROLLING MEADOWS
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.300 s Apr 19 2006 MiTek Industries, Inc. Mon Sep 11 15:02:00 2006 Page 1		

Scale = 1/14.7

LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.38	Vert(LL) -0.00	5	>999	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.15	Vert(TL) -0.00	5	>999		
BCLL 10.0	Rep Stress Incr YES	WB 0.00	Horz(TL) -0.03	3	n/a		
BCDL 5.0	Code FBC2004/TP12002	(Matrix)					
						Weight: 10 lb	

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing directly applied or 1-7-0 oc purlins, except end verticals.
BOT CHORD 2 X 4 SYP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2 X 4 SYP No.3	

REACTIONS (lb/size) 5=181/0-4-0, 3=3/Mechanical, 4=15/Mechanical
 Max Horz 5=94(load case 5)
 Max Uplift 5=-14(load case 5), 3=-55(load case 5), 4=-59(load case 5)
 Max Grav 5=181(load case 1), 3=11(load case 3), 4=15(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 2-5=-154/97, 1-2=0/40, 2-3=-37/5
 BOT CHORD 4-5=0/0

JOINT STRESS INDEX
 2 = 0.42 and 5 = 0.29

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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
 3) Refer to girder(s) for truss to truss connections.
 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 14 lb uplift at joint 5, 55 lb uplift at joint 3 and 59 lb uplift at joint 4.

LOAD CASE(S) Standard

Job L209778	Truss CJ3	Truss Type JACK	Qty 2	Ply 1	EWPL- LOT 20 ROLLING MEADOWS
Builders FirstSource, Lake City, FL 32055					Job Reference (optional) 6.300 s Apr 19 2006 MiTek Industries, Inc. Mon Sep 11 15:02:13 2006 Page 1

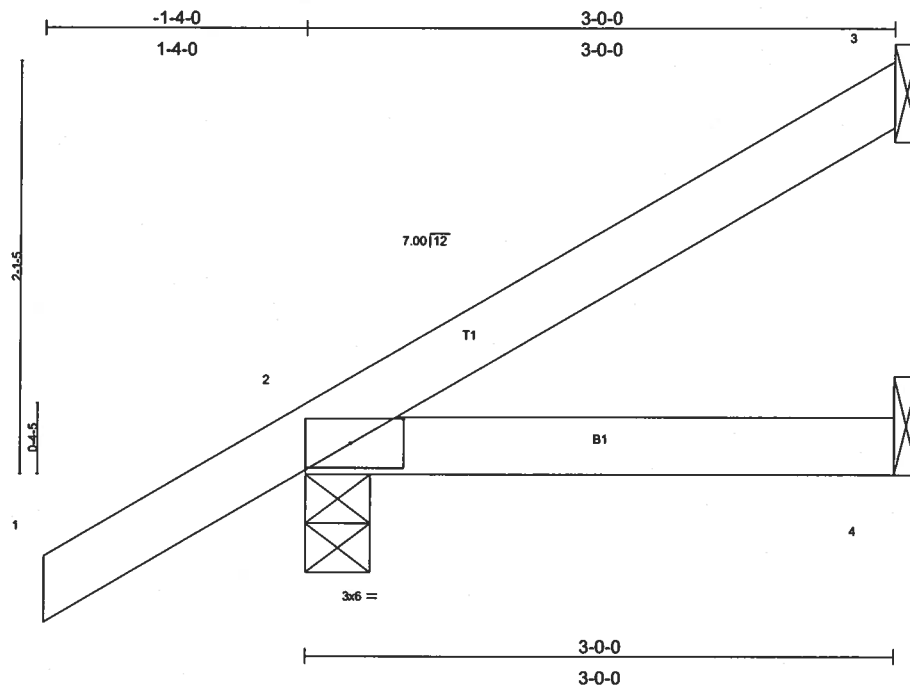


Plate Offsets (X,Y): [2-0-3-4-0-1-8]

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.13	Vert(LL)	-0.00	2-4	>999	240	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.05	Vert(TL)	-0.01	2-4	>999	180		
BCCL 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: 12 lb	

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

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

REACTIONS (lb/size) 3=53/Mechanical, 2=219/0-4-0, 4=42/Mechanical
Max Horz 2=128(load case 5)
Max Uplift 3=49(load case 5), 2=132(load case 5)

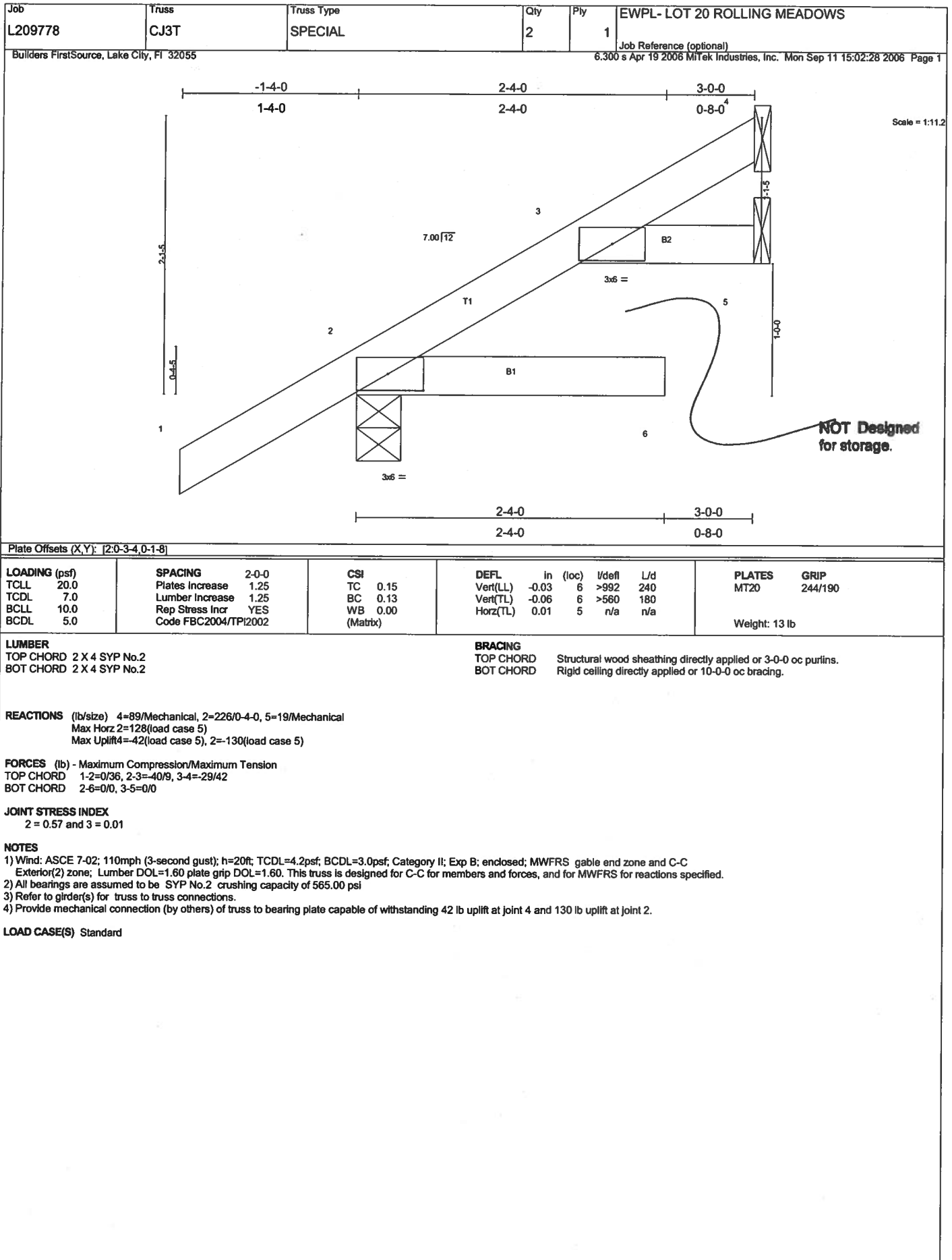
FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/36, 2-3=52/20
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.09

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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 3) Refer to girder(s) for truss to truss connections.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 49 lb uplift at joint 3 and 132 lb uplift at joint 2.

LOAD CASE(S) Standard



Job L209778	Truss CJ4	Truss Type JACK	Qty 1	Ply 1	EWPL- LOT 20 ROLLING MEADOWS
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.300 s Apr 19 2006 MiTek Industries, Inc. Mon Sep 11 15:02:41 2006 Page 1		

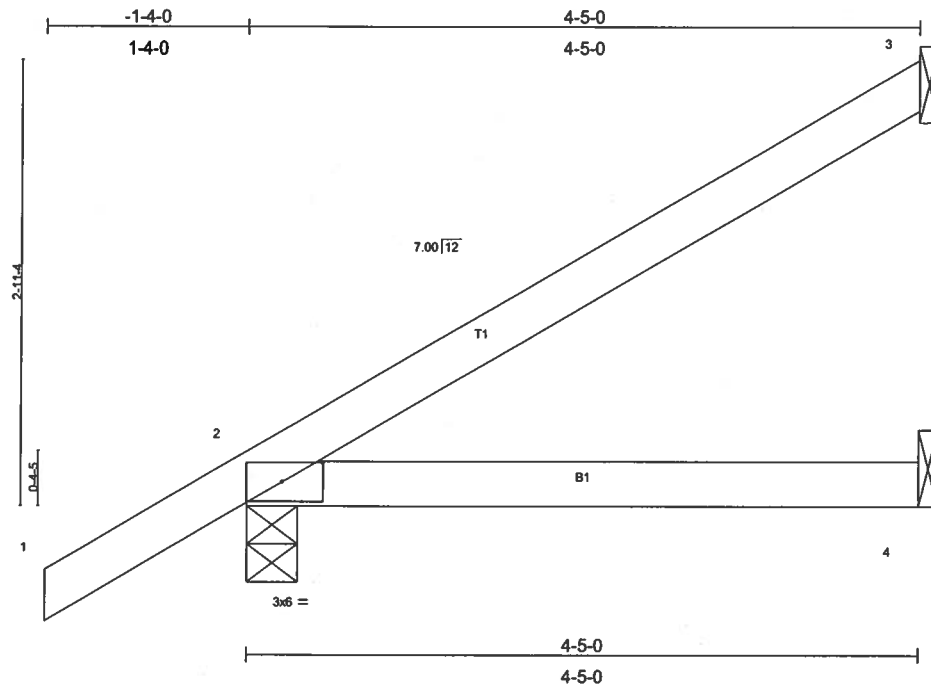


Plate Offsets (X,Y): [2-0-3-4,0-1-8]

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.16	Vert(LL)	-0.02	2-4	>999	240	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.12	Vert(TL)	-0.03	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: 17 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 4-5-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=99/Mechanical, 2=271/0-4-0, 4=63/Mechanical
Max Horz 2=167(load case 5)
Max Uplift 3=97(load case 5), 2=133(load case 5)

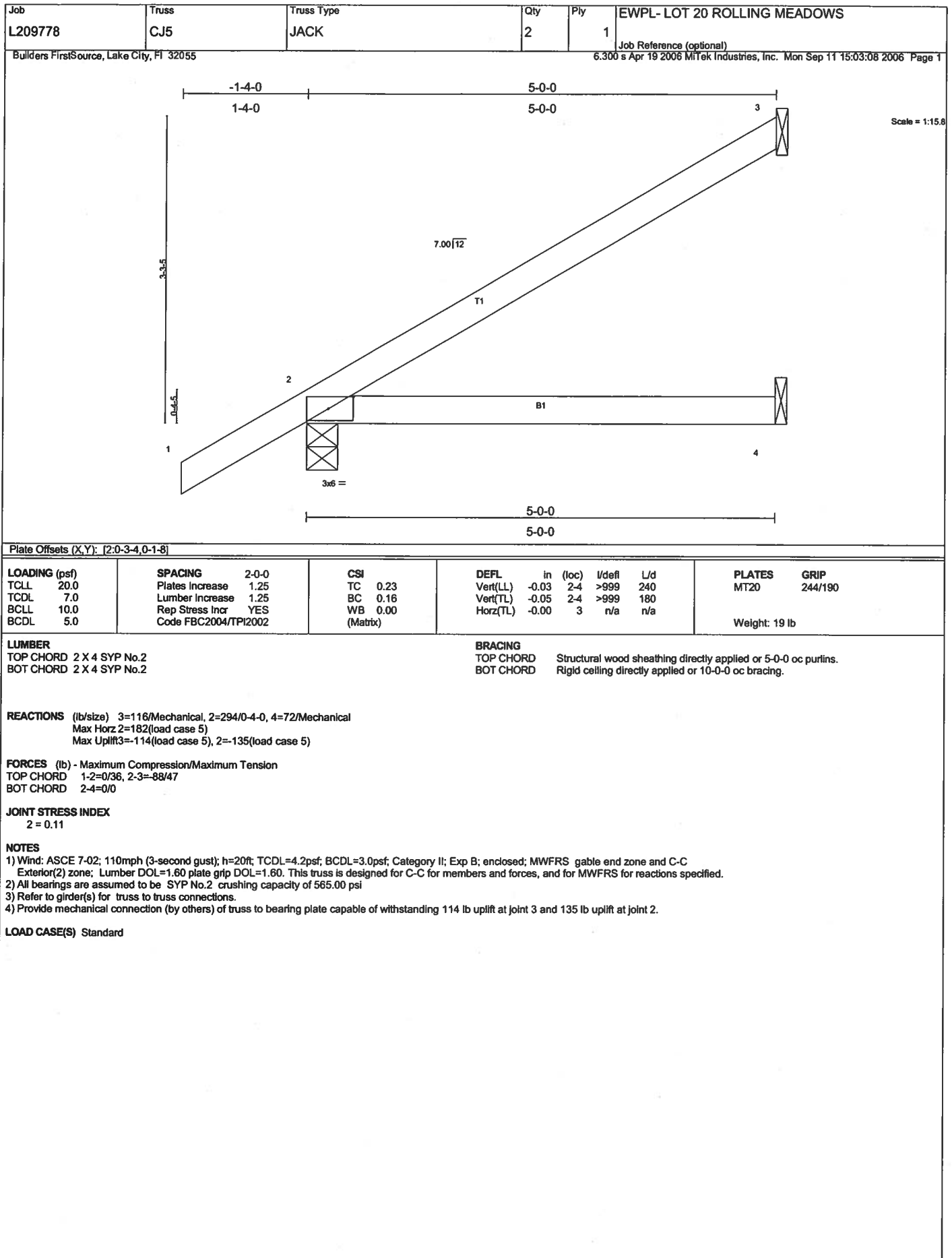
FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/36, 2-3=75/40
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.11

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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 3) Refer to girder(s) for truss to truss connections.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 97 lb uplift at joint 3 and 133 lb uplift at joint 2.

LOAD CASE(S) Standard



Job L209778	Truss CJ5T	Truss Type SPECIAL	Qty 2	Ply 1	EWPL- LOT 20 ROLLING MEADOWS
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Builders FirstSource, Lake City, FL 32055

6.300 s Apr 19 2006 Mittek Industries, Inc. Mon Sep 11 15:03:59 2006 Page 1

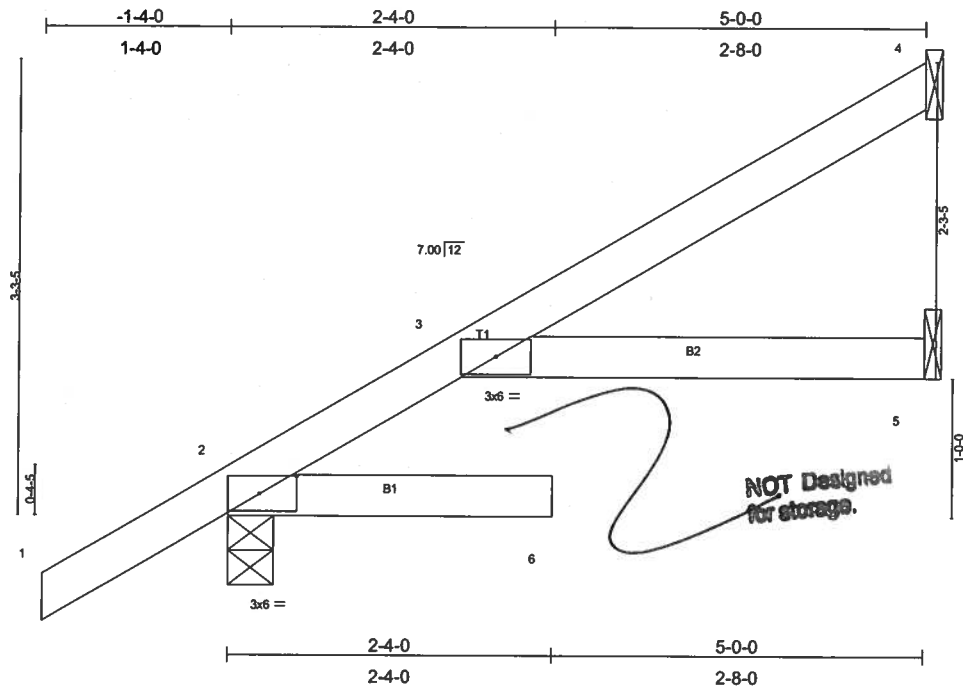


Plate Offsets (X,Y): [2-0-3-4,0-1-8]

LOADING (psf)	SPACING	CSI	DEFL	In	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.36	Vert(LL)	-0.13	6	>445	240	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.13	Vert(TL)	-0.21	6	>269	180		
BCLL 10.0	Lumber Increase 1.25	WB 0.00	Horz(TL)	0.07	5	n/a	n/a		
BCDL 5.0	Rep Stress Incr YES	(Matrix)							
	Code FBC2004/TPI2002							Weight: 20 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) 4=146/Mechanical, 2=306/0-4-0, 5=49/Mechanical
Max Horz 2=182(load case 5)
Max Uplift 4=108(load case 5), 2=133(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/36, 2-3=85/2, 3-4=-74/65
BOT CHORD 2-6=0/0, 3-5=0/0

JOINT STRESS INDEX
2 = 0.59 and 3 = 0.02

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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 3) Refer to girder(s) for truss to truss connections.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 108 lb uplift at joint 4 and 133 lb uplift at joint 2.

LOAD CASE(S) Standard

Job L209778	Truss CJ6	Truss Type JACK	Qty 1	Ply 1	EWPL- LOT 20 ROLLING MEADOWS
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.300 s Apr 19 2006 MiTek Industries, Inc. Mon Sep 11 15:04:25 2006 Page 1		

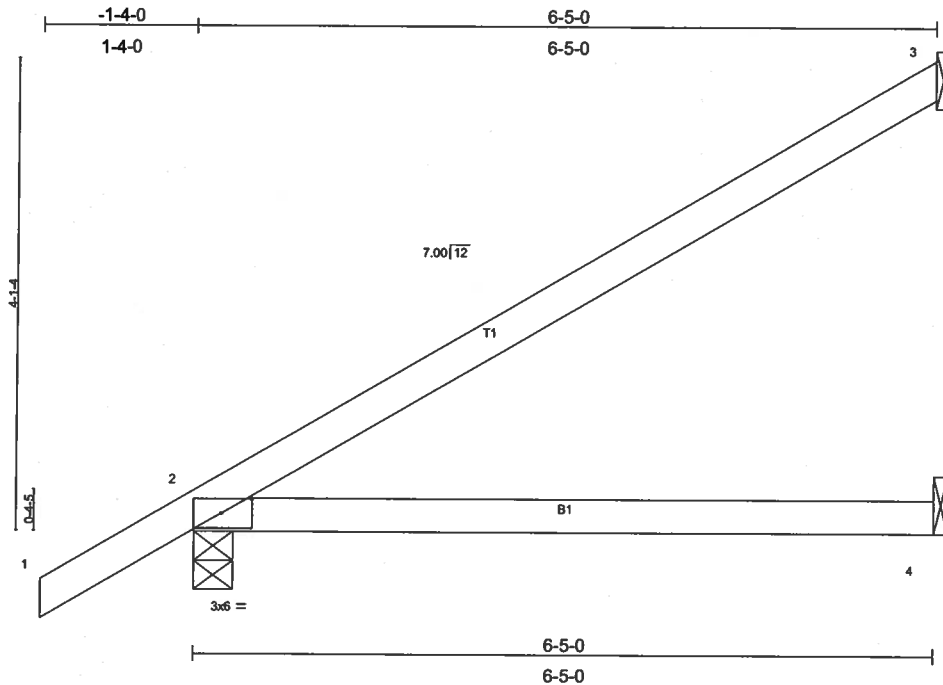


Plate Offsets (X,Y): [2-0-3-4, 0-1-8]

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.42	Vert(LL)	-0.08	2-4	>965	240	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.27	Vert(TL)	-0.13	2-4	>552	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: 23 lb	

LUMBER

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

BRACING

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

REACTIONS (lb/size) 3=157/Mechanical, 2=351/0-4-0, 4=93/Mechanical
Max Horz 2=220(load case 5)
Max Uplift 3=156(load case 5), 2=143(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/36, 2-3=-115/64
BOT CHORD 2-4=0/0

JOINT STRESS INDEX

2 = 0.13

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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 3) Refer to girder(s) for truss to truss connections.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 156 lb uplift at joint 3 and 143 lb uplift at joint 2.

LOAD CASE(S) Standard

Job L209778	Truss EJ4	Truss Type JACK	Qty 3	Ply 1	EWPL- LOT 20 ROLLING MEADOWS
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.300 s Apr 19 2006 MITek Industries, Inc. Mon Sep 11 15:04:57 2006 Page 1		

Scale = 1:13.5

Plate Offsets (X,Y): [2-0-3-4-0-1-8]					
LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.13	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.10	Vert(LL) -0.01 2-4 >999 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.00	Vert(TL) -0.02 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: 15 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 3-11-13 oc purlins. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
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REACTIONS (lb/size) 3=85/Mechanical, 2=255/0-4-0, 4=56/Mechanical
 Max Horz 2=155(load case 5)
 Max Uplift 3=83(load case 5), 2=132(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/36, 2-3=65/34
 BOT CHORD 2-4=0/0

JOINT STRESS INDEX
 2 = 0.10

NOTES
 1) Wind: ASCE 7-02: 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
 2) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
 3) Refer to girder(s) for truss to truss connections.
 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 83 lb uplift at joint 3 and 132 lb uplift at joint 2.

LOAD CASE(S) Standard

Job TEMP	Truss EJ4A	Truss Type JACK	Qty 4	Ply 1	EWPL- LOT 20 ROLLING MEADOWS
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.300 s Apr 19 2006 MiTek Industries, Inc. Tue Sep 12 08:51:49 2006 Page 1		

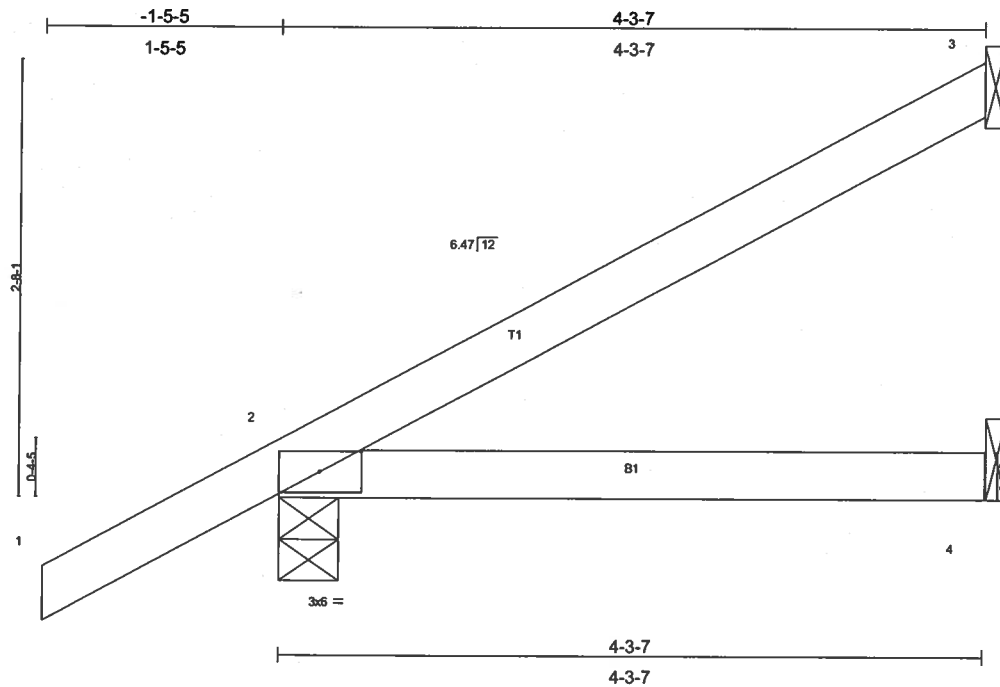


Plate Offsets (X,Y): [2-0-3-1,0-1-8]

LOADING (psf)	SPACING	CSI	DEFL	In	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.15	Vert(LL)	-0.01	2-4	>999	240	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.12	Vert(TL)	-0.02	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/TP12002								
								Weight: 16 lb	

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 4-3-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=92/Mechanical, 2=275/0-4-5, 4=61/Mechanical
Max Horz 2=154(load case 5)
Max Uplift 3=85(load case 5), 2=-147(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/36, 2-3=-64/35
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.10

NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 3) Refer to girder(s) for truss to truss connections.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 85 lb uplift at joint 3 and 147 lb uplift at joint 2.

LOAD CASE(S) Standard

Job L209778	Truss EJ7	Truss Type MONO TRUSS	Qty 13	Ply 1	EWPL- LOT 20 ROLLING MEADOWS
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Builders FirstSource, Lake City, FL 32055

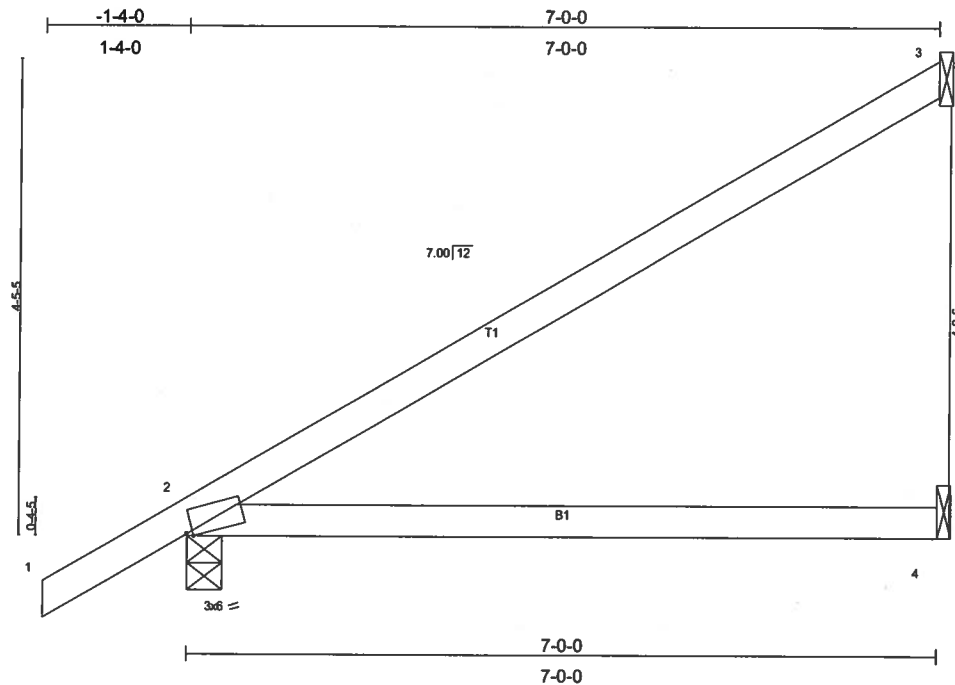
Job Reference (optional)
6.300 s Apr 19 2006 MiTek Industries, Inc. Mon Sep 11 15:07:07 2006 Page 1

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

LOADING (psf)	SPACING	CSI	DEFL	In	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.46	Vert(LL)	-0.14	2-4	>592	240	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.38	Vert(TL)	-0.23	2-4	>358	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: 25 lb	

LUMBER

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

BRACING

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

REACTIONS (lb/size) 3=166/Mechanical, 2=374/0-4-0, 4=110/Mechanical

Max Horz 2=236(load case 5)

Max Uplift 3=152(load case 5), 2=-147(load case 5), 4=-1(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/36, 2-3=-108/67

BOT CHORD 2-4=0/0

JOINT STRESS INDEX

2 = 0.80

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; 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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 3) Refer to girder(s) for truss to truss connections.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 152 lb uplift at joint 3, 147 lb uplift at joint 2 and 1 lb uplift at joint 4.

LOAD CASE(S) Standard

Job L209778	Truss EJ7A	Truss Type MONO TRUSS	Qty 5	Ply 1	EWPL- LOT 20 ROLLING MEADOWS
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.300 s Apr 19 2006 MiTek Industries, Inc. Mon Sep 11 15:07:40 2006 Page 1		

Scale = 1:19.4
Camber = 1/8 in

Plate Offsets (X,Y): [1:0-8-1,0-0-10]					
LOADING (psf)	SPACING 2-0-0	CSI	DEFL	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.50	In (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.43	Vert(LL) -0.16 1-3 >513 240		
BCLL 10.0	Rep Stress Incr YES	WB 0.00	Vert(TL) -0.26 1-3 >313 180		
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)	Horz(TL) -0.00 2 n/a n/a		
Weight: 23 lb					

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

REACTIONS (lb/size) 1=289/Mechanical, 2=173/Mechanical, 3=116/Mechanical
 Max Horz 1=189(load case 5)
 Max Uplift 1=-53(load case 5), 2=-158(load case 5), 3=-7(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-111/69
 BOT CHORD 1-3=0/0

JOINT STRESS INDEX
 1 = 0.70

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; 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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
 3) Refer to girder(s) for truss to truss connections.
 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 53 lb uplift at joint 1, 158 lb uplift at joint 2 and 7 lb uplift at joint 3.

LOAD CASE(S) Standard

Job L209778	Truss EJ7T	Truss Type SPECIAL	Qty 4	Ply 1	EWPL- LOT 20 ROLLING MEADOWS
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Builders FirstSource, Lake City, FL 32055

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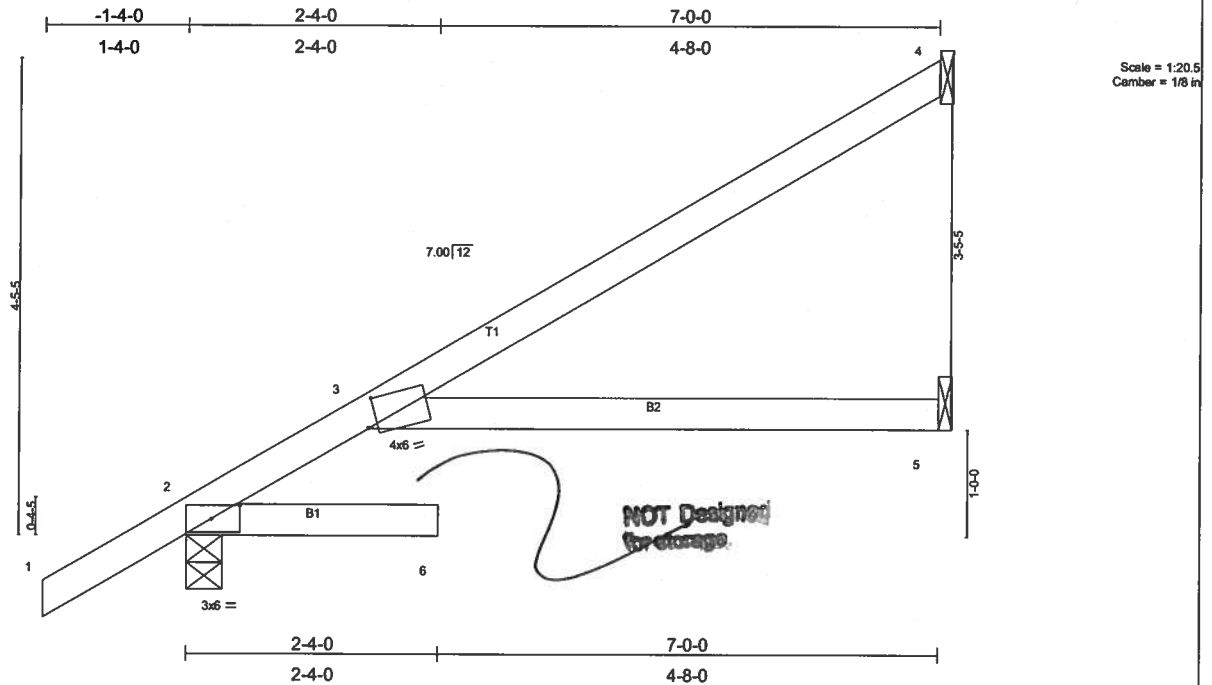


Plate Offsets (X,Y): [2-0-3-3,0-1-8], [3-0-1-2,0-3-3]

LOADING (psf)	SPACING	CSI	DEFL	In	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.57	Vert(LL)	-0.23	6	>354	240	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.46	Vert(TL)	-0.38	6	>216	180		
BCLL 10.0	Lumber Increase 1.25	WB 0.00	Horz(TL)	0.14	5	n/a	n/a		
BCDL 5.0	Rep Stress Incr YES	(Matrix)							
	Code FBC2004/TPI2002							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) 4=160/Mechanical, 2=389/0-4-0, 5=121/Mechanical
 Max Horz 2=236(load case 5)
 Max Uplift 4=132(load case 5), 2=-144(load case 5), 5=-19(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/36, 2-3=-129/0, 3-4=-89/67
 BOT CHORD 2-6=0/0, 3-5=0/0

JOINT STRESS INDEX
 2 = 0.62 and 3 = 0.84

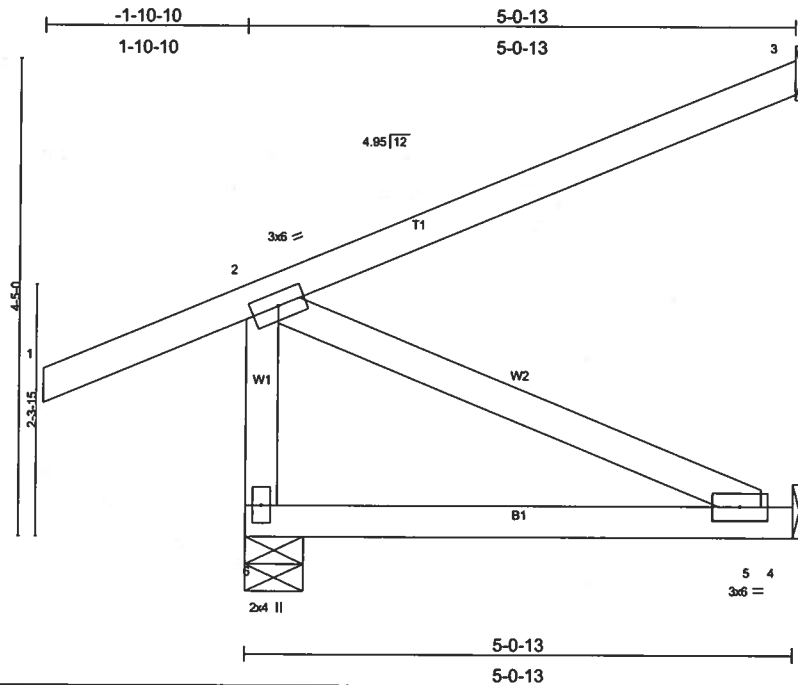
NOTES

- 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; 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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 3) Refer to girder(s) for truss to truss connections.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 132 lb uplift at joint 4, 144 lb uplift at joint 2 and 19 lb uplift at joint 5.

LOAD CASE(S) Standard

Job L209778	Truss HJ5	Truss Type JACK	Qty 1	Ply 1	EWPL- LOT 20 ROLLING MEADOWS
Builders FirstSource, Lake City, FL 32055			Job Reference (optional)		

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Scale = 1:20.4

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.24	Vert(LL)	-0.02	5-6	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.12	Vert(TL)	-0.03	5-6	>999	180		
BCLL 10.0	Rep Stress Incr	NO	WB 0.03	Horz(TL)	-0.00	3	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(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 5-0-13 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 6=222/0-6-7, 3=90/Mechanical, 4=62/Mechanical
 Max Horz 6=109(load case 4)
 Max Uplift 6=104(load case 4), 3=-63(load case 4), 4=-34(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 2-6=-191/108, 1-2=0/42, 2-3=-34/22
 BOT CHORD 5-6=-109/0, 4-5=0/0
 WEBS 2-5=0/119

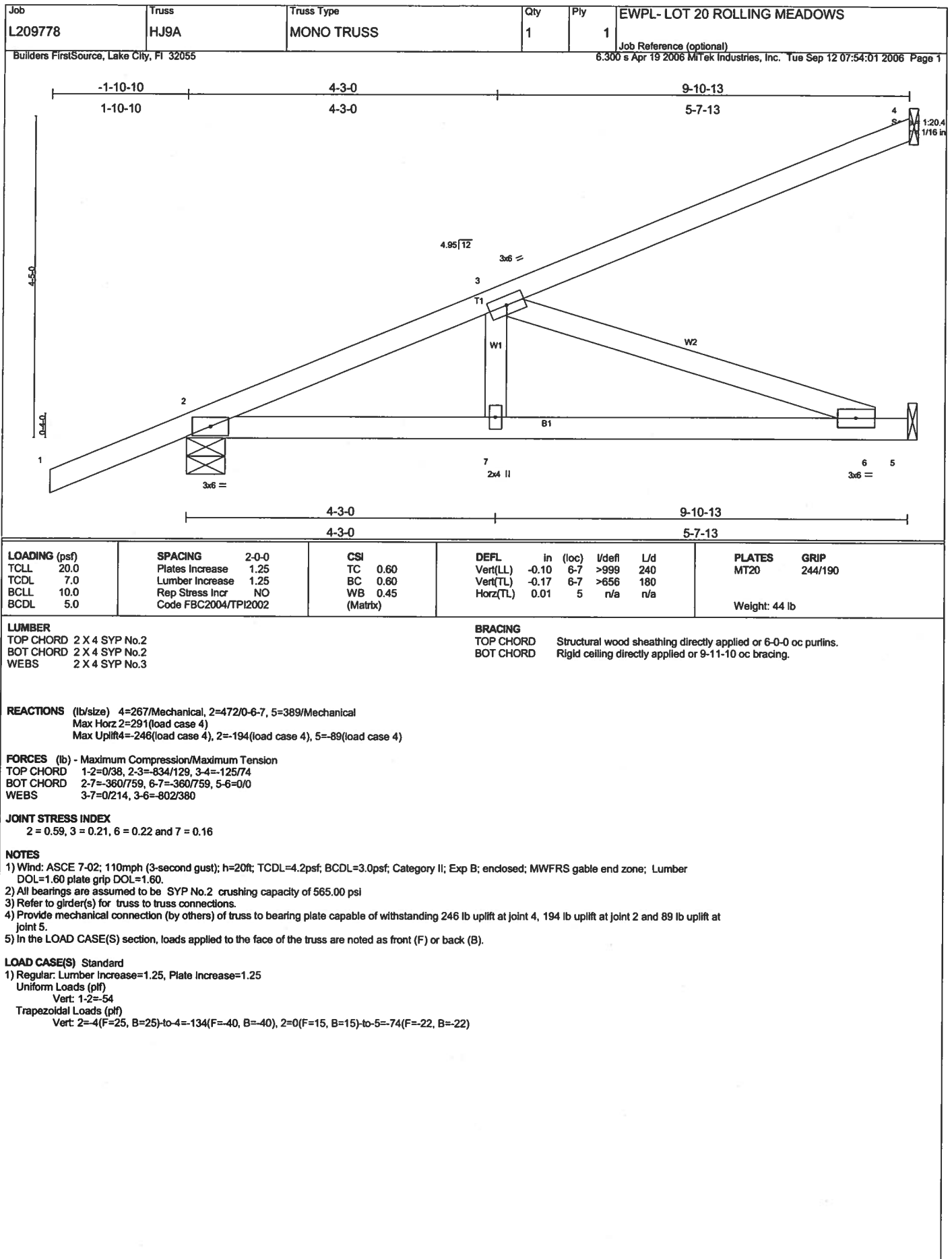
JOINT STRESS INDEX
 2 = 0.07, 5 = 0.03 and 6 = 0.07

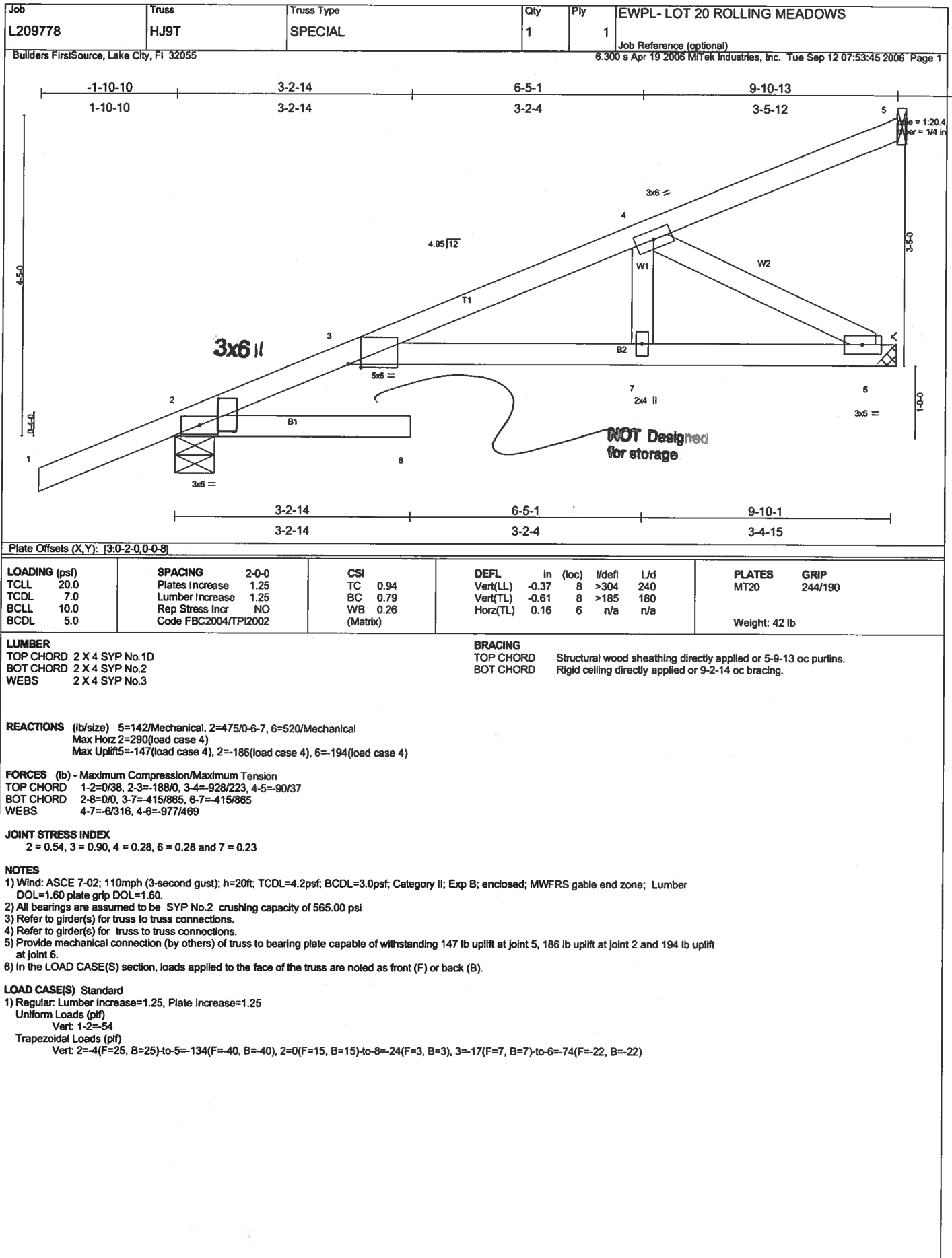
NOTES

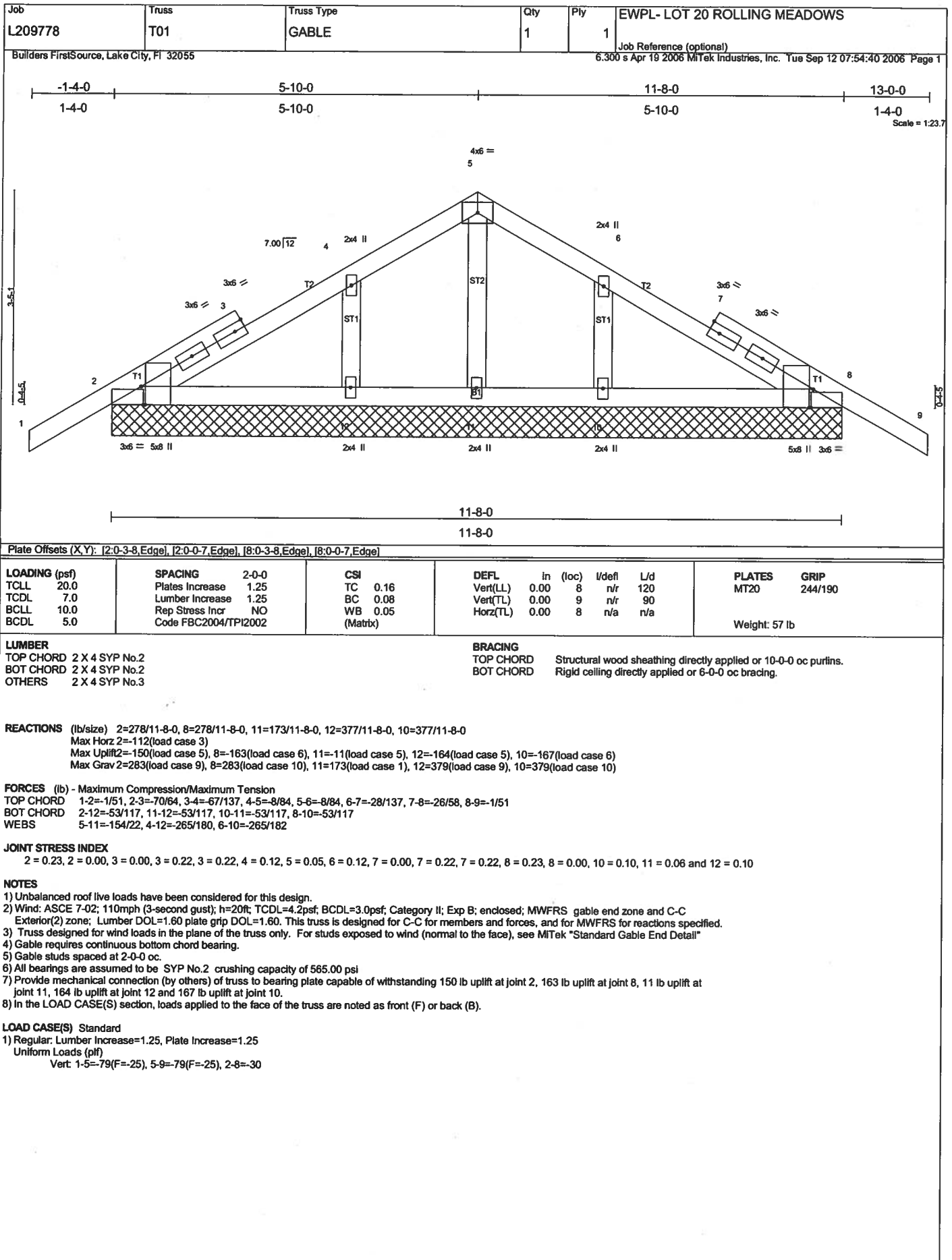
- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
- 2) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 3) Refer to girder(s) for truss to truss connections.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 104 lb uplift at joint 6, 63 lb uplift at joint 3 and 34 lb uplift at joint 4.
- 5) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

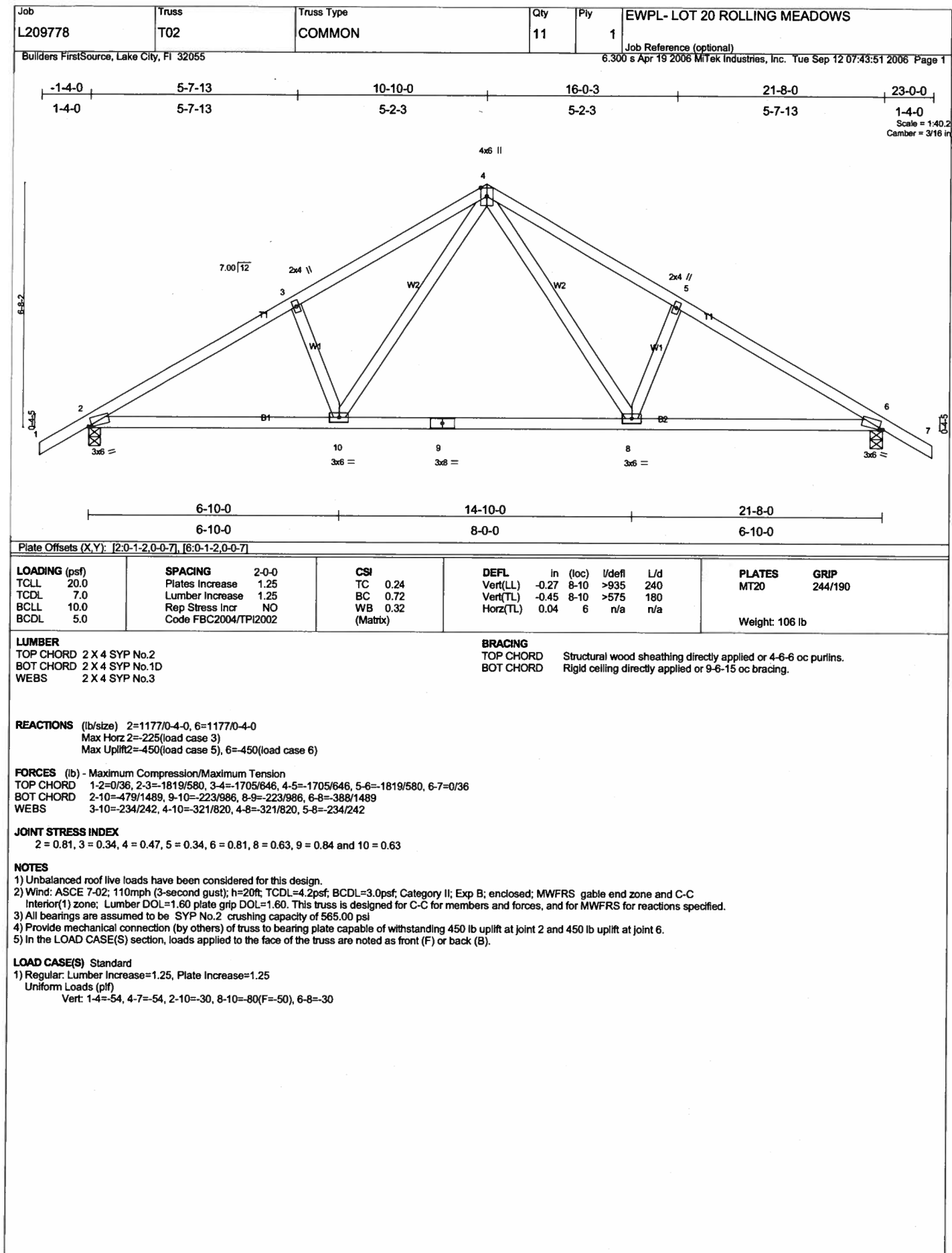
LOAD CASE(S) Standard

- 1) Regular: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-2=-54
 Trapezoidal Loads (plf)
 Vert: 2=-2(F=26, B=26)-to-3=-68(F=-7, B=-7), 6=0(F=15, B=15)-to-4=-38(F=-4, B=-4)









Job L209778	Truss T02G	Truss Type GABLE	Qty 1	Ply 1	EWPL- LOT 20 ROLLING MEADOWS
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.300 s Apr 19 2006 MiTek Industries, Inc. Tue Sep 12 07:54:55 2006 Page 1		

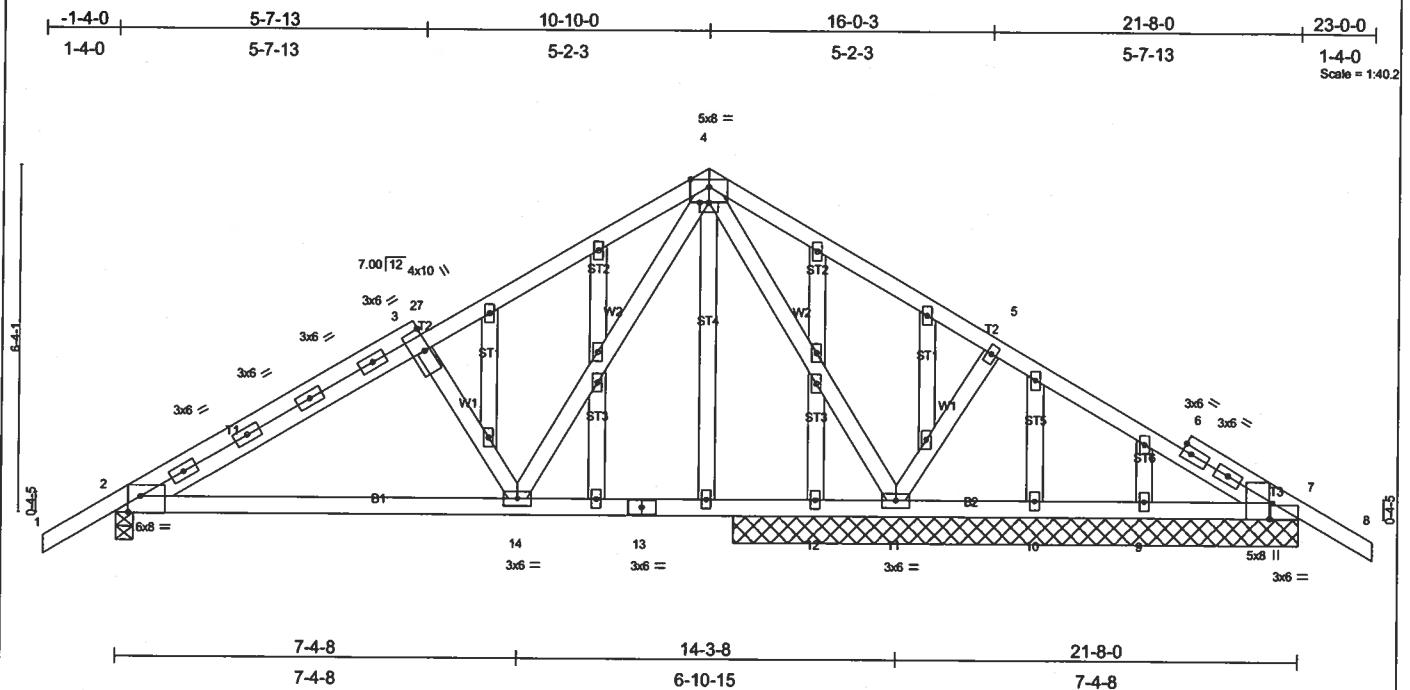


Plate Offsets (X,Y): [2:0-2-11,Edge], [3:0-5-0-0-1-3], [4:0-2-0-0-0-0], [7:0-0-7,Edge], [7:0-3-8,Edge]					
LOADING (psf)	SPACING	2-0-0	CSI	DEFL	PLATES
TCLL 20.0	Plates Increase	1.25	TC 0.47	in (loc) l/defl L/d	MT20
TCDL 7.0	Lumber Increase	1.25	BC 0.32	Vert(LL) -0.06 2-14 >999 240	GRIP 244/190
BCLL 10.0	Rep Stress Incr	NO	WB 0.98	Vert(TL) -0.10 2-14 >999 180	
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)	Horz(TL) 0.01 11 n/a n/a	
Weight: 149 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.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (lb/size) 2=708/0-4-0, 7=370/10-4-0, 11=1429/10-4-0, 12=136/10-4-0, 10=40/10-4-0, 9=169/10-4-0
 Max Horz 2=213(load case 3)
 Max Uplift 2=302(load case 5), 7=206(load case 6), 11=593(load case 6), 9=40(load case 6)
 Max Grav 2=714(load case 9), 7=388(load case 10), 11=1429(load case 1), 12=136(load case 9), 10=52(load case 9), 9=169(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/36, 2-3=900/304, 3-27=755/293, 4-27=746/294, 4-5=98/517, 5-6=63/225, 6-7=88/78, 7-8=7/68
 BOT CHORD 2-14=256/754, 13-14=87/238, 12-13=87/238, 11-12=87/238, 10-11=82/132, 9-10=82/132, 7-9=82/132
 WEBS 3-14=400/290, 4-14=235/617, 4-11=1130/436, 5-11=515/344

JOINT STRESS INDEX
 2 = 0.32, 3 = 0.43, 3 = 0.29, 3 = 0.29, 3 = 0.29, 3 = 0.29, 4 = 0.66, 4 = 0.57, 5 = 0.34, 6 = 0.00, 6 = 0.43, 6 = 0.43, 7 = 0.40, 7 = 0.21, 9 = 0.34, 10 = 0.34, 11 = 0.45, 12 = 0.34, 13 = 0.15, 14 = 0.49, 15 = 0.34, 16 = 0.34, 16 = 0.34, 17 = 0.34, 18 = 0.34, 19 = 0.34, 20 = 0.34, 21 = 0.34, 22 = 0.34, 22 = 0.34, 23 = 0.34, 24 = 0.34, 25 = 0.34 and 26 = 0.34

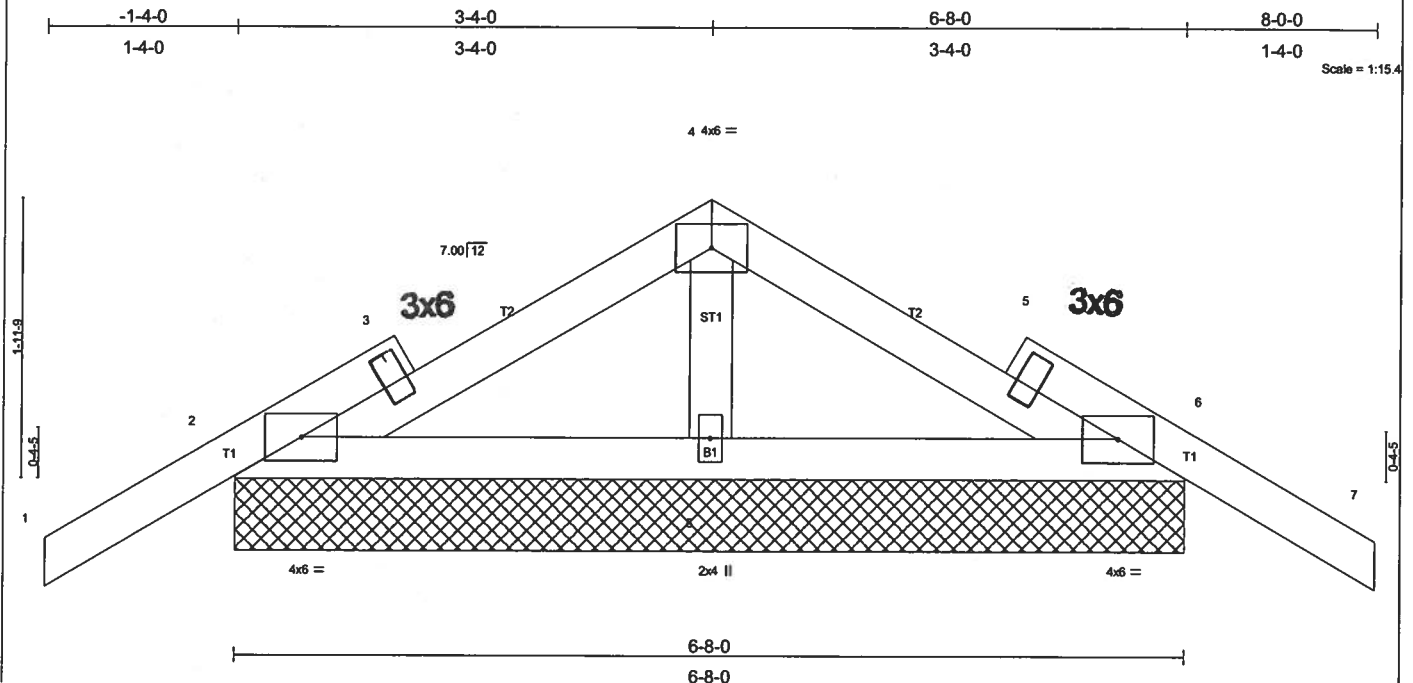
NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable studs spaced at 2-0-0 oc.
- All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 302 lb uplift at joint 2, 206 lb uplift at joint 7, 593 lb uplift at joint 11 and 40 lb uplift at joint 9.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- Regular: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-27=54, 4-27=106(F=52), 4-8=106(F=52), 2-7=30

Job L209778	Truss T03	Truss Type GABLE	Qty 1	Ply 1	EWPL- LOT 20 ROLLING MEADOWS
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.300 s Apr 19 2006 MiTek Industries, Inc. Tue Sep 12 07:55:15 2006 Page 1		



LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.16	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.09	Vert(LL) 0.00 7 n/r 120		
BCLL 10.0	Lumber Increase 1.25	WB 0.06	Vert(TL) 0.00 7 n/r 90		
BCDL 5.0	Rep Stress Incr NO	(Matrix)	Horz(TL) 0.00 6 n/a n/a		
	Code FBC2004/TP12002			Weight: 31 lb	

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

BRACING
 TOP CHORD Structural wood sheathing directly applied or 6-8-0 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (lb/size) 2=217/6-8-0, 6=217/6-8-0, 8=502/6-8-0
 Max Horz 2=-61(load case 3)
 Max Uplift 2=138(load case 5), 6=-145(load case 6), 8=-157(load case 5)
 Max Grav 2=237(load case 9), 6=237(load case 10), 8=502(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-1/51, 2-3=-98/159, 3-4=-92/218, 4-5=-84/219, 5-6=-87/159, 6-7=-1/51
 BOT CHORD 2-8=-158/162, 6-8=-158/162
 WEBS 4-8=-377/182

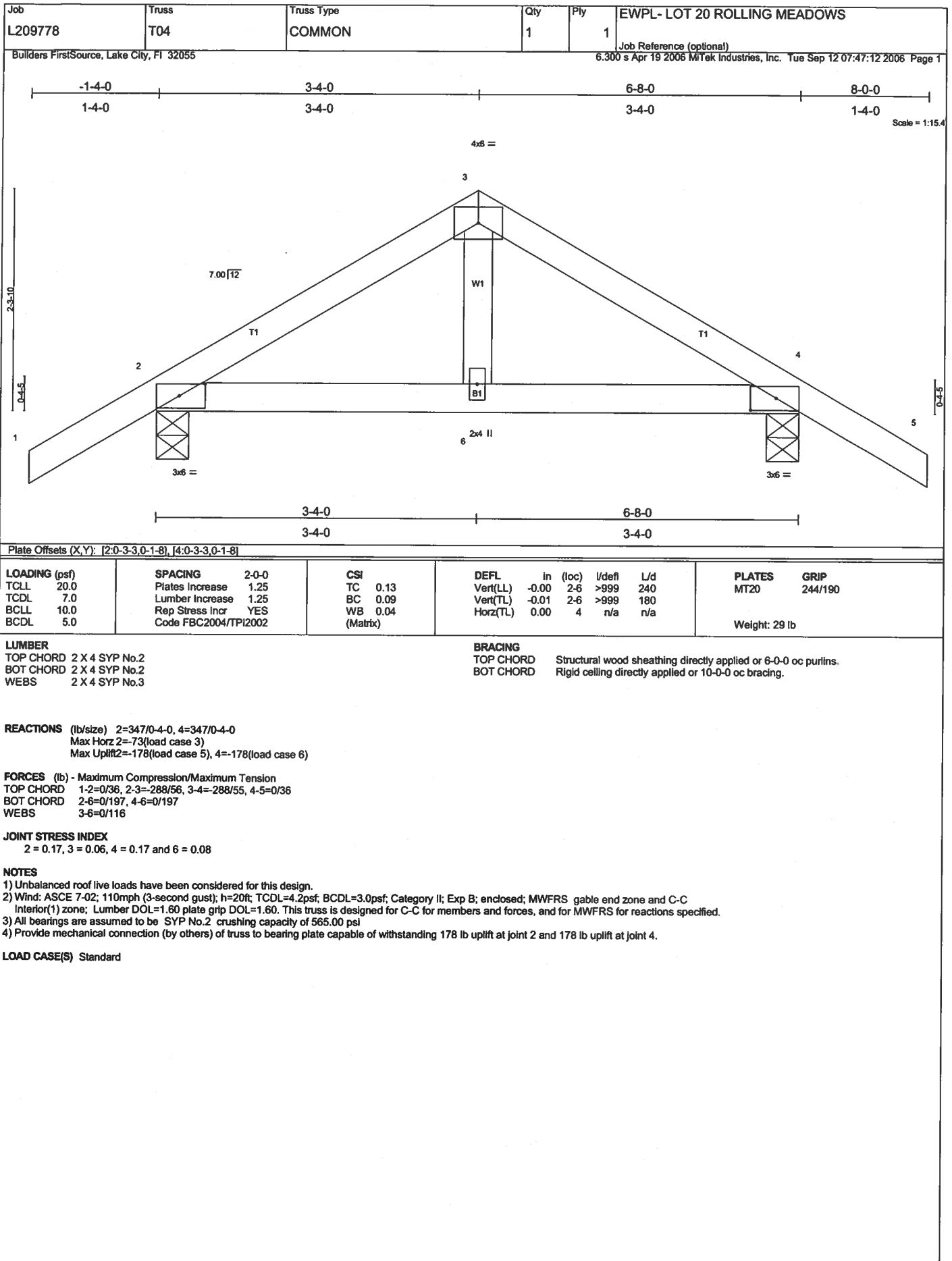
JOINT STRESS INDEX
 2 = 0.85, 3 = 0.00, 4 = 0.10, 5 = 0.00, 6 = 0.85 and 8 = 0.14

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2-0-0 oc.
- All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 138 lb uplift at joint 2, 145 lb uplift at joint 6 and 157 lb uplift at joint 8.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- Regular: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-4=-79(F=-25), 4-7=-79(F=-25), 2-6=-30



Job L209778	Truss T05	Truss Type COMMON	Qty 1	Ply 1	EWPL- LOT 20 ROLLING MEADOWS
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.300 s Apr 19 2006 MiTek Industries, Inc. Tue Sep 12 07:47:36 2006 Page 1		

Scale = 1:13.9

Plate Offsets (X,Y): [1:0-3-3,0-1-8], [3:0-3-3,0-1-8]					
LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.15	in (loc) l/defl L/d	MT20	244/190
TCCL 7.0	Plates Increase 1.25	BC 0.40	Vert(LL) -0.02 3-4 >999 240		
BCCL 10.0	Lumber Increase 1.25	WB 0.16	Vert(TL) -0.02 3-4 >999 180		
BCDL 5.0	Rep Stress Incr NO	(Matrix)	Horz(TL) 0.01 3 n/a n/a		
	Code FBC2004/TPI2002			Weight: 24 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.
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REACTIONS (lb/size) 1=576/0-4-0, 3=576/0-4-0
 Max Horz 1=-69(load case 2)
 Max Uplift 1=-206(load case 4), 3=-206(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-663/223, 2-3=-663/223
 BOT CHORD 1-4=-152/531, 3-4=-152/531
 WEBS 2-4=-126/497

JOINT STRESS INDEX
 1 = 0.28, 2 = 0.25, 3 = 0.28 and 4 = 0.36

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; Lumber DOL=1.60 plate grip DOL=1.60.
 3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 206 lb uplift at joint 1 and 206 lb uplift at joint 3.
 5) Girder carries tie-in span(s): 7-0-0 from 0-0-0 to 6-8-0
 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: 1-2=-54, 2-3=-54, 1-3=-128(F=98)

Job L209778	Truss T06	Truss Type SPECIAL	Qty 1	Ply 2	EWPL- LOT 20 ROLLING MEADOWS
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.300 s Apr 19 2006 MiTek Industries, Inc. Tue Sep 12 08:01:57 2006 Page 1		

1-4-0	2-4-0	7-0-0	10-7-12	14-0-0	17-11-15	22-6-1	27-2-0
1-4-0	2-4-0	4-8-0	3-7-12	3-4-4	3-11-15	4-6-3	4-7-15

Scale = 1:47.3
Camber = 3/16 in

2-4-0	7-0-0	10-7-12	13-4-0	14-0-0	17-11-15	22-6-1	27-2-0
2-4-0	4-8-0	3-7-12	2-8-4	0-8-0	3-11-15	4-6-3	4-7-15

Plate Offsets (X,Y): [2:0-7-4,0-0-0], [6:0-4-0,0-3-0], [11:0-3-8,0-1-8], [14:0-5-14,0-3-1]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.74	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.92	Vert(LL) -0.28 13 >999 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.71	Vert(TL) -0.45 14-15 >712 180		
BCDL 5.0	Rep Stress Incr NO	(Matrix)	Horz(TL) 0.26 9 n/a n/a		
	Code FBC2004/TPI2002			Weight: 334 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"
B3 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-1-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-6-10 oc bracing.

REACTIONS (lb/size) 1=2354/0-4-0, 9=3415/0-4-0
Max Horz 1=195(load case 4)
Max Uplift 1=876(load case 4), 9=1562(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1026/362, 2-3=-5333/2136, 3-4=-4961/2034, 4-5=-6602/2893, 5-6=-6529/2865, 6-7=-3136/1425, 7-8=-3136/1425, 8-9=-3130/1466
BOT CHORD 2-16=-2009/4882, 15-16=-2560/5980, 14-15=-2560/5980, 12-14=-104/331, 5-14=-476/293, 12-13=0/0, 11-12=-223/498, 10-11=-2136/4767, 9-10=-44/94
WEBS 3-16=-652/1439, 4-16=-1384/780, 4-15=-69/270, 4-14=-449/838, 11-14=-1976/4410, 6-14=-943/2277, 6-11=-611/344, 6-10=-2217/967, 7-10=-701/433, 8-10=-1875/4133

JOINT STRESS INDEX
2 = 0.73, 3 = 0.44, 4 = 0.57, 5 = 0.34, 6 = 0.69, 7 = 0.34, 8 = 0.89, 9 = 0.35, 10 = 0.76, 11 = 0.87, 12 = 0.45, 14 = 0.54, 15 = 0.34 and 16 = 0.47

NOTES
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2 X 8 - 2 rows at 0-9-0 oc, 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) 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.
4) Provide adequate drainage to prevent water ponding.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) 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.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 876 lb uplift at joint 1 and 1562 lb uplift at joint 9.
8) Girder carries tie-in span(s): 4-5-8 from 7-0-0 to 14-0-0; 4-9-12 from 7-0-0 to 14-0-0; 7-0-0 from 14-0-0 to 27-2-0; 7-0-0 from 14-0-0 to 27-2-0
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 142 lb down and 67 lb up at 7-0-0 on top chord, and 142 lb down and 67 lb up at 7-0-0 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: 1-2=-65, 2-3=-54, 3-5=-106(F=-52), 5-8=-152(F=-98), 2-16=-30, 14-16=-75(F=-45), 12-13=-75(F=-45), 9-12=-128(F=-98)
Concentrated Loads (lb)
Vert: 3=-142(F) 16=-142(F)

Job L209778	Truss T07	Truss Type SPECIAL	Qty 1	Ply 1	EWPL- LOT 20 ROLLING MEADOWS
Builders FirstSource, Lake City, FL 32055			Job Reference (optional)		

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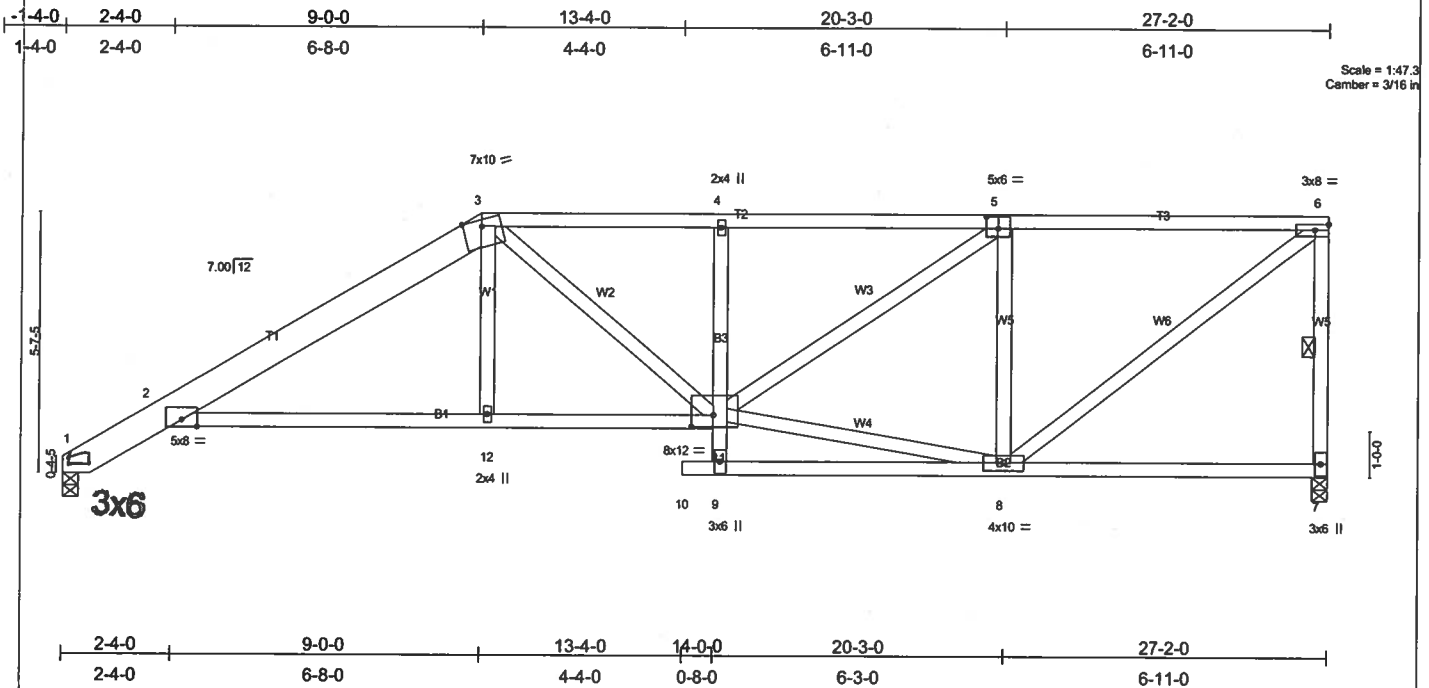


Plate Offsets (X,Y): [5:0-3-0,0-3-0], [11:0-5-12,0-2-15]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.57	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.69	Vert(LL) -0.31 2-12 >999 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.65	Vert(TL) -0.50 2-12 >647 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.22 7 n/a n/a		
	Code FBC2004/TP12002			Weight: 167 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"
 B3 2 X 4 SYP No.3
 WEBS 2 X 4 SYP No.3

BRACING
 TOP CHORD Structural wood sheathing directly applied or 4-2-11 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
 8-4-14 oc bracing: 11-12.
 WEBS 1 Row at midpt 6-7

REACTIONS (lb/size) 1=956/0-4-0, 7=1121/0-4-0
 Max Horz 1=198(load case 5)
 Max Uplift 1=253(load case 5), 7=451(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-419/73, 2-3=-1878/555, 3-4=-1740/619, 4-5=-1733/621, 5-6=-1119/426, 6-7=-1018/463
 BOT CHORD 2-12=-562/1654, 11-12=-562/1663, 9-11=0/92, 4-11=-207/231, 9-10=0/0, 8-9=-44/176, 7-8=-23/47
 WEBS 3-12=0/266, 3-11=-240/95, 8-11=-399/978, 5-11=-255/731, 5-8=-809/436, 6-8=-512/1362

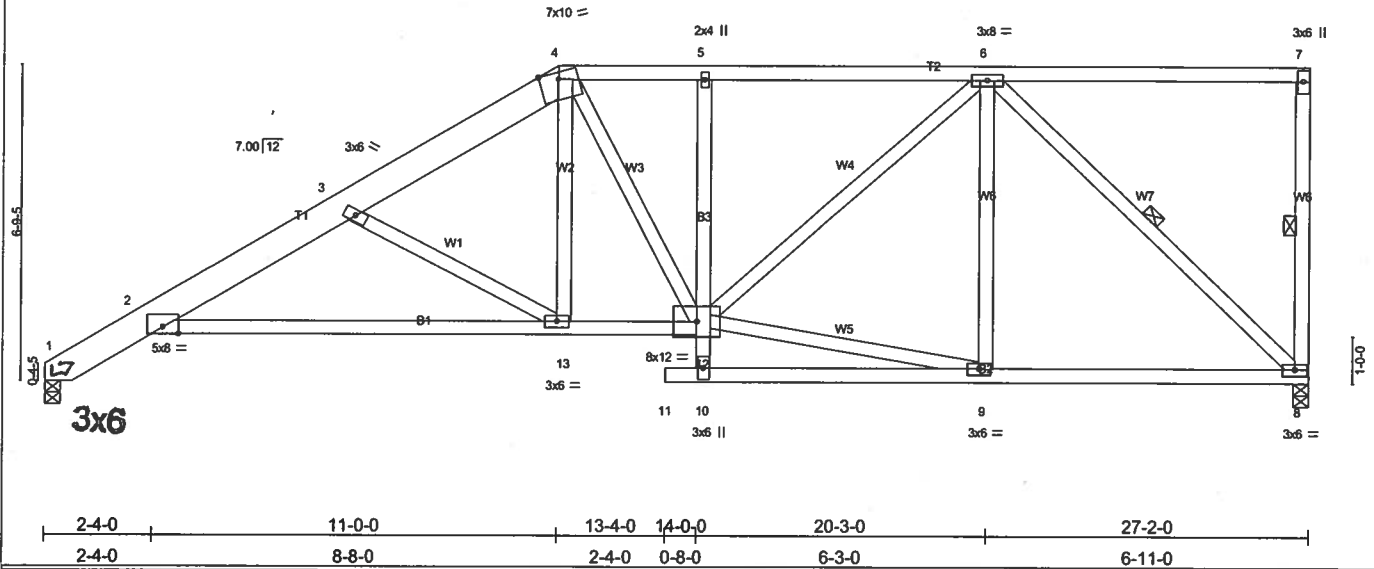
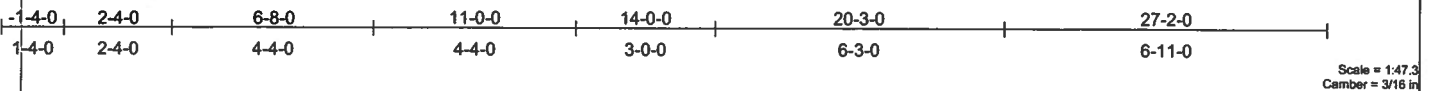
JOINT STRESS INDEX
 2 = 0.48, 3 = 0.33, 4 = 0.34, 5 = 0.60, 6 = 0.63, 7 = 0.35, 8 = 0.66, 9 = 0.40, 11 = 0.31 and 12 = 0.34

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; 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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 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 253 lb uplift at joint 1 and 451 lb uplift at joint 7.

LOAD CASE(S) Standard

Job L209778	Truss T08	Truss Type SPECIAL	Qty 1	Ply 1	EWPL- LOT 20 ROLLING MEADOWS
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.300 s Apr 19 2006 MiTek Industries, Inc. Tue Sep 12 08:04:13 2006 Page 1		



LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.57	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.68	Vert(LL) -0.30 2-13 >999 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.51	Vert(TL) -0.49 2-13 >656 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.19 8 n/a n/a		
	Code FBC2004/TP12002			Weight: 187 lb	

LUMBER	BRACING
TOP CHORD 2 X 8 SYP 2400F 2.0E "Except"	TOP CHORD Structural wood sheathing directly applied or 5-2-0 oc purlins, except end verticals.
T2 2 X 4 SYP No.2	BOT CHORD Rigid ceiling directly applied or 9-2-7 oc bracing. Except:
BOT CHORD 2 X 4 SYP No.2 "Except"	1 Row at midpt 2-13
B3 2 X 4 SYP No.3	WEBS 1 Row at midpt 7-8, 6-8
WEBS 2 X 4 SYP No.3	

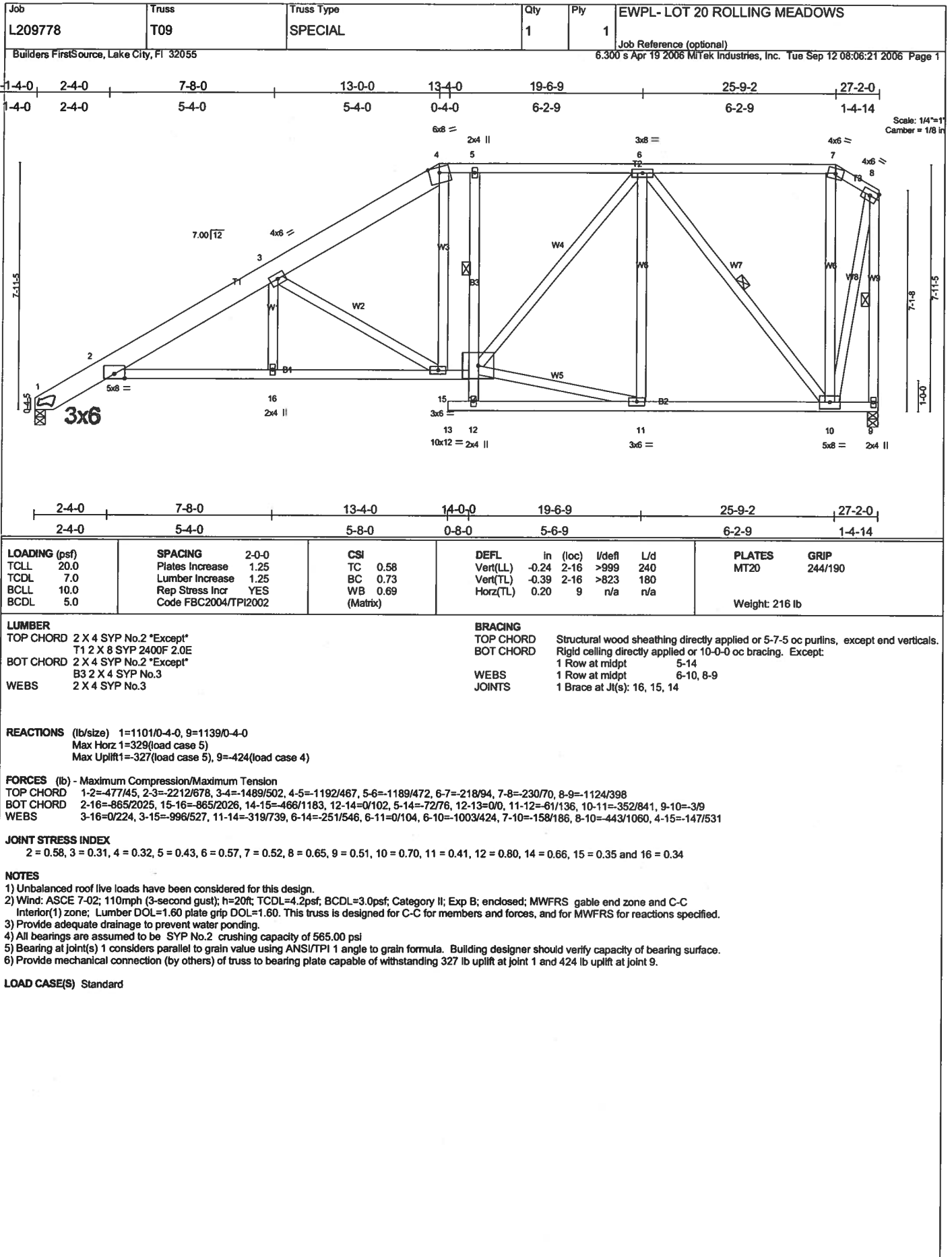
REACTIONS (lb/size) 1=956/0-4-0, 8=1121/0-4-0
 Max Horz 1=251(load case 5)
 Max Uplift 1=259(load case 5), 8=408(load case 3)

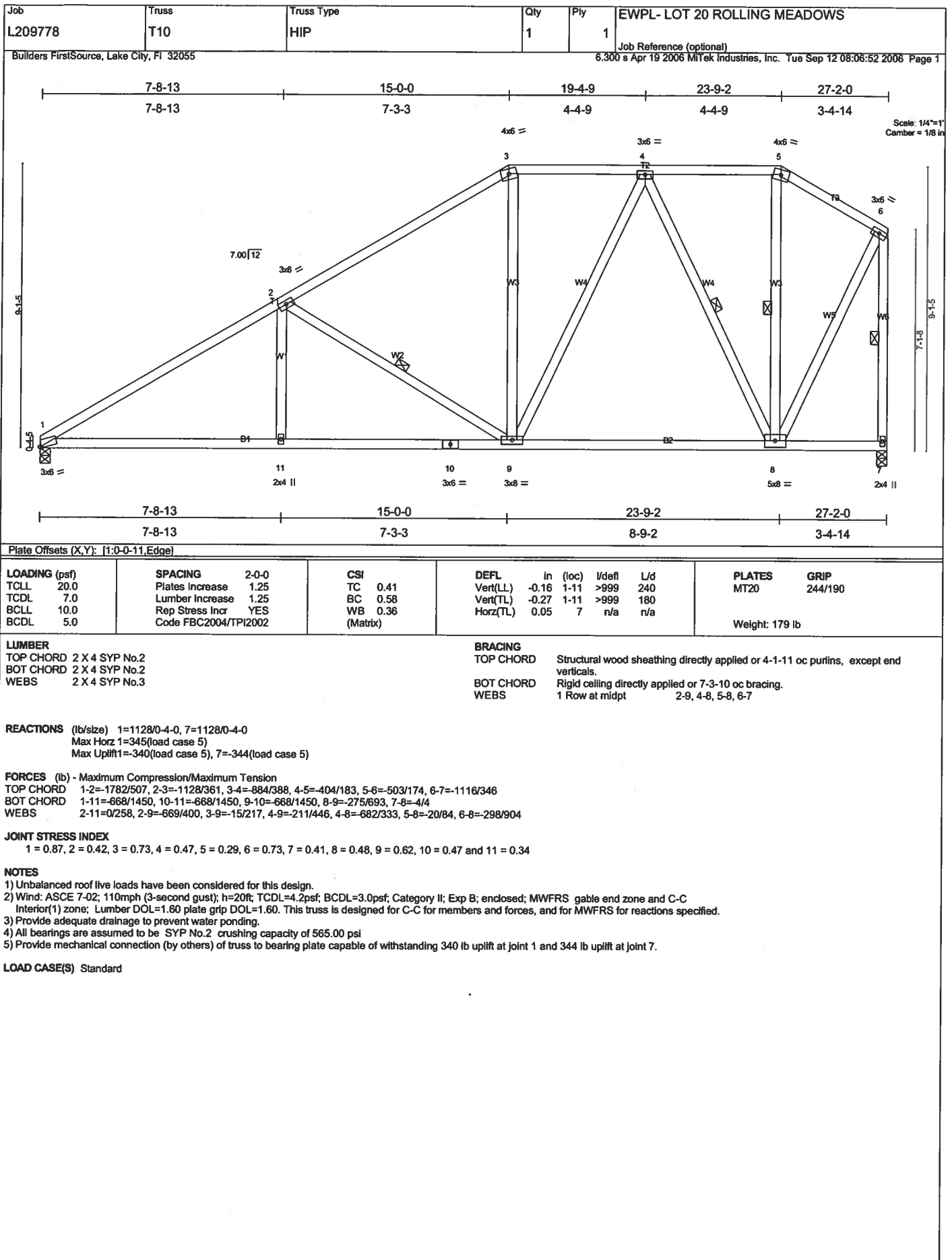
FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-419/45, 2-3=-2223/710, 3-4=-1689/498, 4-5=-1365/471, 5-6=-1365/475, 6-7=-34/16, 7-8=-169/139
 BOT CHORD 2-13=-884/2102, 12-13=-474/1377, 10-12=0/90, 5-12=-211/203, 10-11=0/0, 9-10=-16/189, 8-9=-327/923
 WEBS 3-13=-845/471, 4-13=-196/686, 4-12=-207/61, 9-12=-315/744, 6-12=-245/593, 6-9=0/102, 6-8=-1232/435

JOINT STRESS INDEX
 2 = 0.50, 3 = 0.26, 4 = 0.41, 5 = 0.34, 6 = 0.61, 7 = 0.36, 8 = 0.51, 9 = 0.41, 10 = 0.38, 12 = 0.34 and 13 = 0.45

- NOTES**
- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) 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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
 - 4) Bearing at joint(s) 1 considers parallel to grain value using ANSI/TP1 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 259 lb uplift at joint 1 and 408 lb uplift at joint 8.

LOAD CASE(S) Standard





Job	Truss	Truss Type	Qty	Ply	EWPL- LOT 20 ROLLING MEADOWS
L209778	T11	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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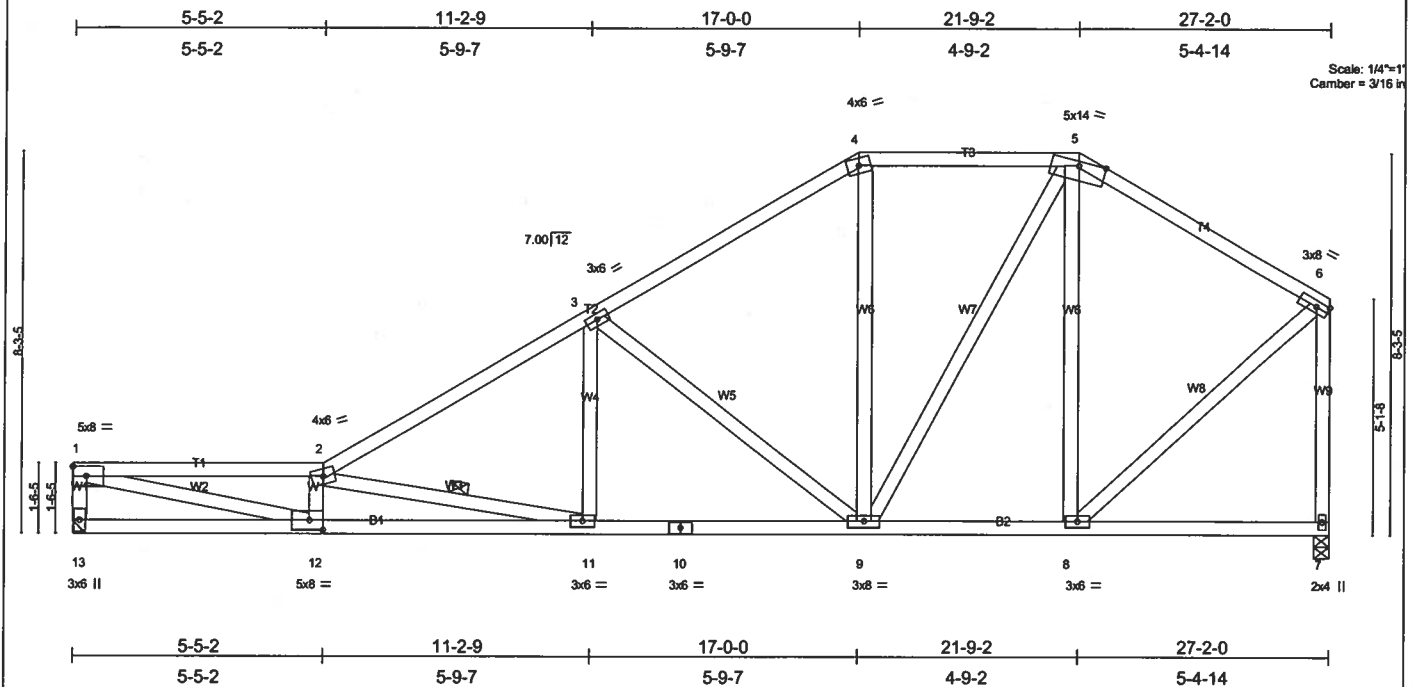


Plate Offsets (X,Y): [12:0-3-8,0-2-8]

LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.87	Vert(LL) -0.33 11-12 >985 240	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.89	Vert(TL) -0.53 11-12 >614 180		
BCLL 10.0	Rep Stress Incr YES	WB 0.96	Horz(TL) 0.06 7 n/a n/a		
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)			Weight: 174 lb

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3 *Except*
W2 2 X 4 SYP No.2

BRACING	
TOP CHORD	Structural wood sheathing directly applied or 2-10-14 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 5-10-6 oc bracing.
WEBS	1 Row at midpt 2-11

REACTIONS (lb/size) 13=1129/Mechanical, 7=1129/0-4-0
Max Horz 13=220(load case 4)
Max Uplift 13=242(load case 6), 7=307(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-13=1002/298, 1-2=3756/974, 2-3=-1980/514, 3-4=-1127/359, 4-5=903/357, 5-6=799/263, 6-7=-1047/333
BOT CHORD	12-13=-269/317, 11-12=-1139/3845, 10-11=-512/1672, 9-10=-512/1672, 8-9=161/623, 7-8=18/31
WEBS	1-12=-916/3537, 2-12=-970/274, 2-11=-222/1641, 3-11=-106/684, 3-9=978/337, 4-9=522/256, 5-9=221/600, 5-8=393/174, 6-8=-219/809

JOINT STRESS INDEX
1 = 0.82, 2 = 0.85, 3 = 0.51, 4 = 0.49, 5 = 0.80, 6 = 0.72, 7 = 0.74, 8 = 0.50, 9 = 0.86, 10 = 0.58, 11 = 0.63, 12 = 0.81 and 13 = 0.60

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 interior(1) 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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 242 lb uplift at joint 13 and 307 lb uplift at joint 7.

LOAD CASE(S) Standard

Job L209778	Truss T12	Truss Type SPECIAL	Qty 1	Ply 1	EWPL- LOT 20 ROLLING MEADOWS
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Builders FirstSource, Lake City, FL 32055

Job Reference (optional)

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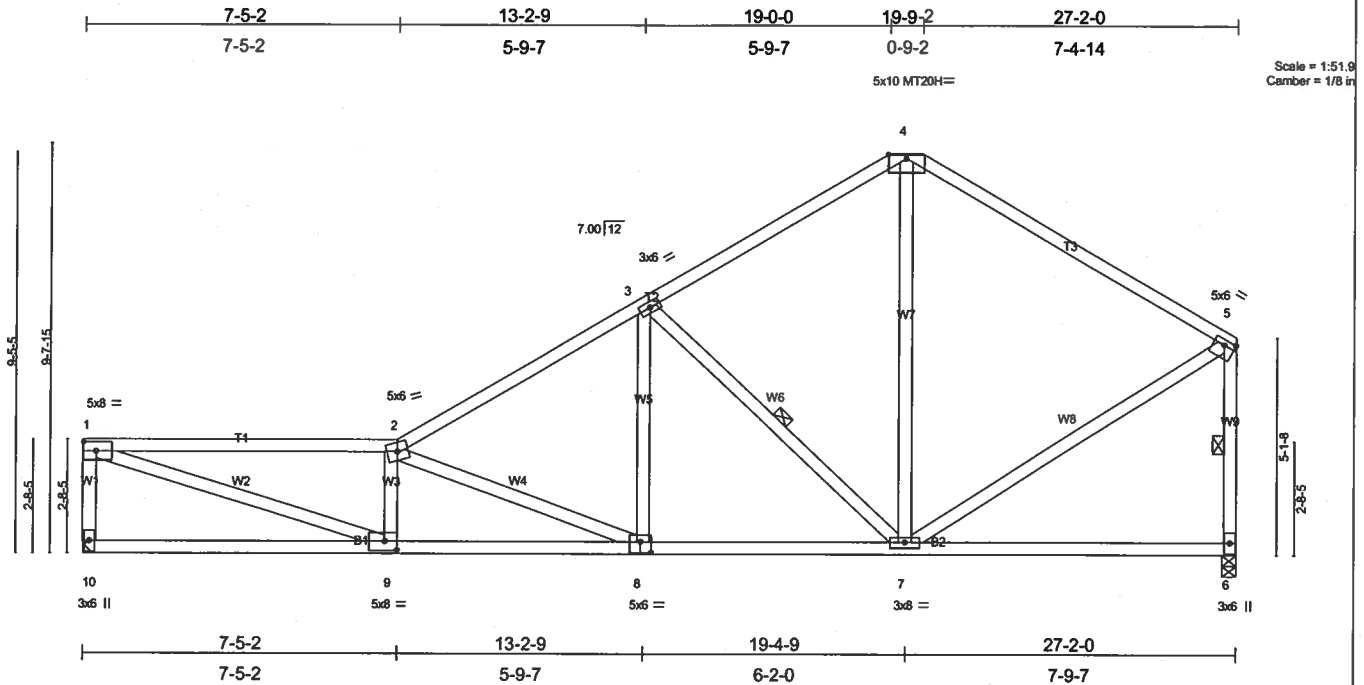


Plate Offsets (X,Y): [5:0-3-0,0-1-8], [8:0-3-0,0-3-0], [9:0-3-8,0-2-8]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.80	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.55	Vert(LL) -0.19 8-9 >999 240	MT20H	187/143
BCLL 10.0	Lumber Increase 1.25	WB 0.94	Vert(TL) -0.30 8-9 >999 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.04 6 n/a n/a		
	Code FBC2004/TPI2002			Weight: 165 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.2
 BOT CHORD 2 X 4 SYP No.2
 WEBS 2 X 4 SYP No.3 "Except"
 W1 2 X 4 SYP No.1D

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-7-3 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
 WEBS 7-2-4 oc bracing: 8-9.
 1 Row at midpt 3-7, 5-6

REACTIONS (lb/size) 10=1129/Mechanical, 6=1129/0-4-0
 Max Horz 10=232(load case 4)
 Max Uplift 10=-259(load case 6), 6=-324(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-10=1004/318, 1-2=2550/660, 2-3=-1853/435, 3-4=-885/329, 4-5=-911/292, 5-6=-1013/338
 BOT CHORD 9-10=-262/182, 8-9=-766/2588, 7-8=-393/1355, 6-7=-41/71
 WEBS 1-9=-841/2498, 2-9=-625/257, 2-8=-1330/403, 3-8=-130/691, 3-7=-906/316, 5-7=-159/753, 4-7=-76/476

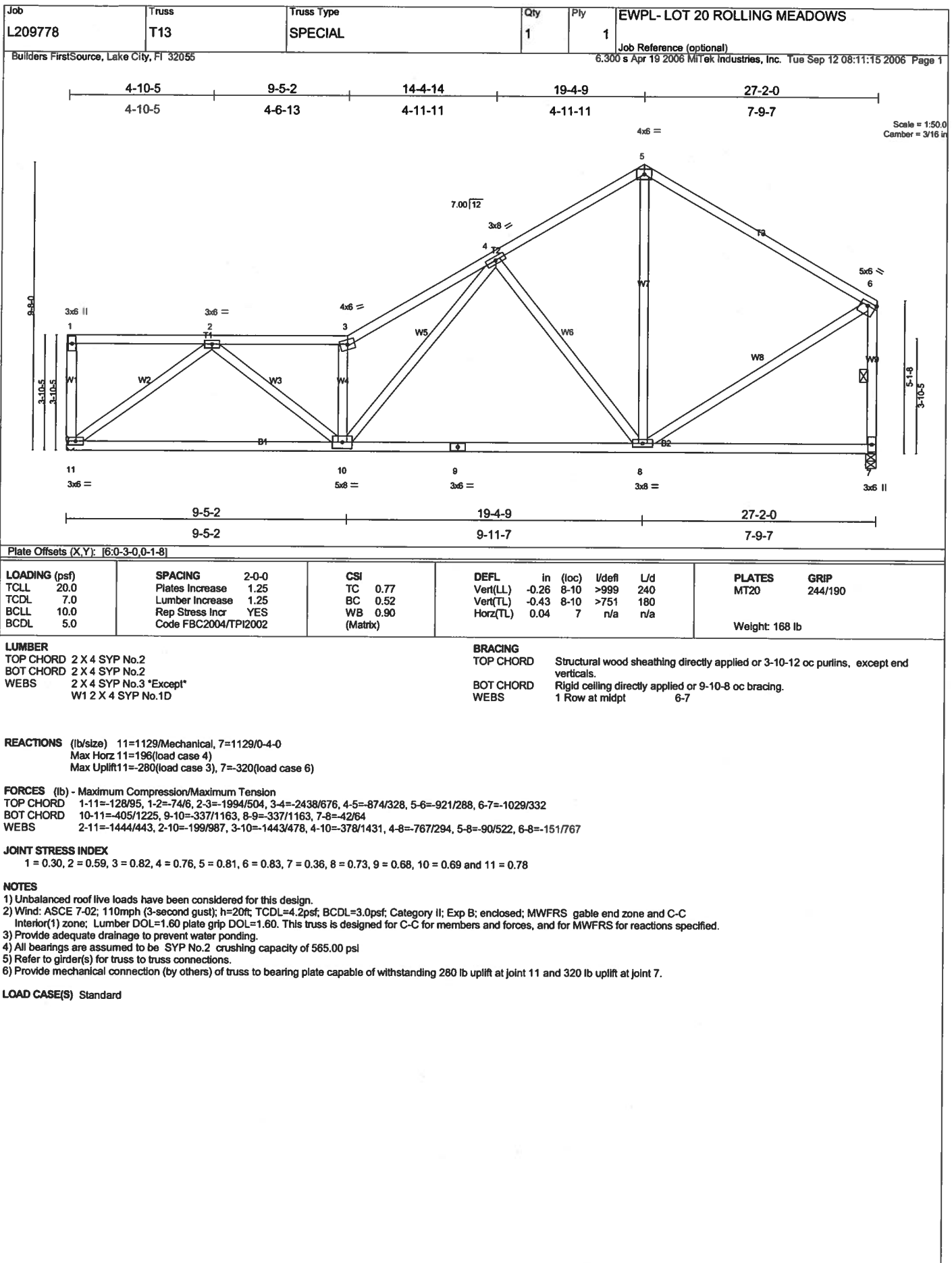
JOINT STRESS INDEX

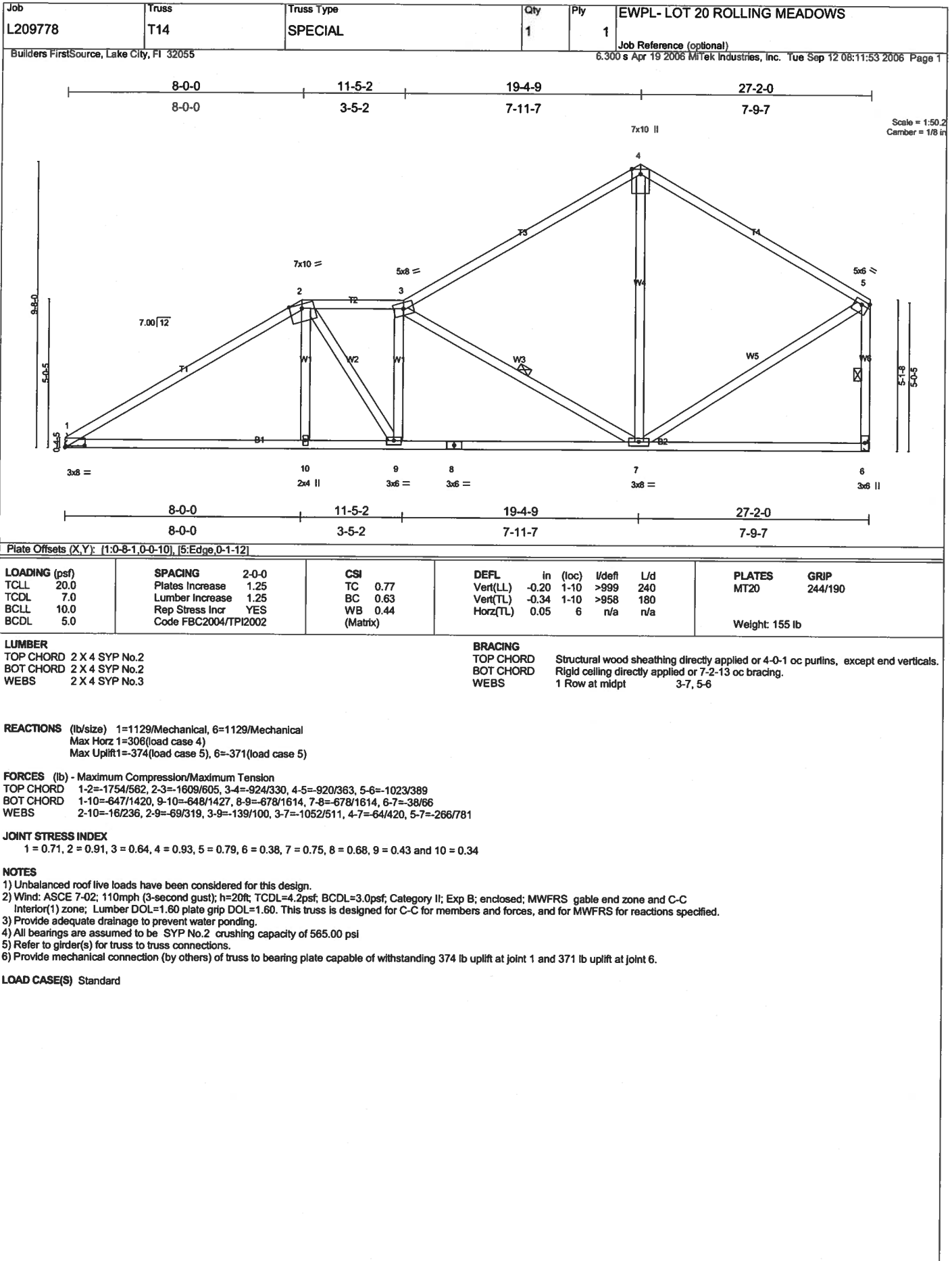
1 = 0.56, 2 = 0.62, 3 = 0.52, 4 = 0.78, 5 = 0.81, 6 = 0.43, 7 = 0.72, 8 = 0.66, 9 = 0.56 and 10 = 0.57

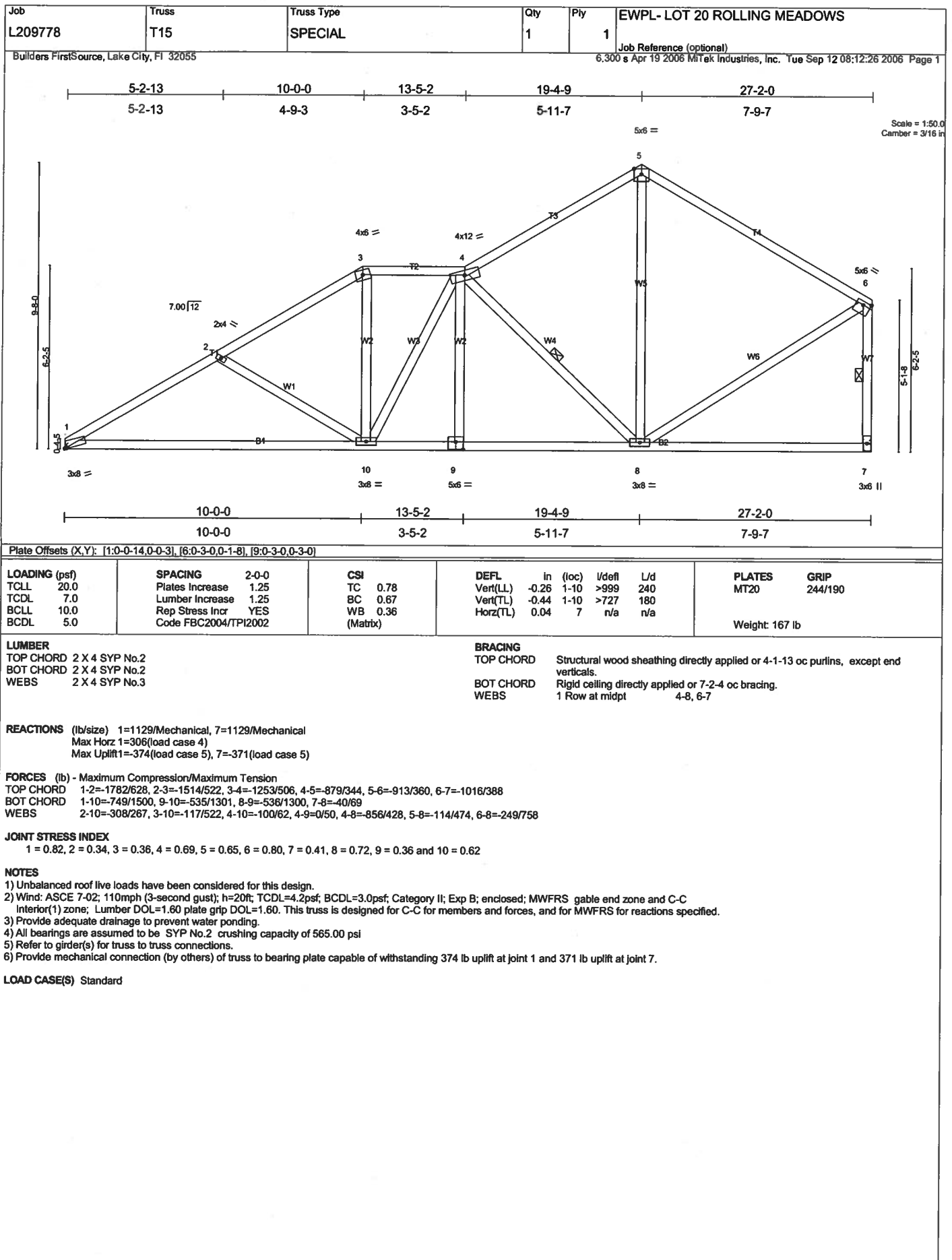
NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C interior(1) 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) All plates are MT20 plates unless otherwise indicated.
- 5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 6) Refer to girder(s) for truss to truss connections.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 259 lb uplift at joint 10 and 324 lb uplift at joint 6.

LOAD CASE(S) Standard







Job L209778	Truss T16	Truss Type SPECIAL	Qty 1	Ply 1	EWPL- LOT 20 ROLLING MEADOWS
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.300 s Apr 19 2006 MiTek Industries, Inc. Tue Sep 12 08:28:06 2006 Page 1		

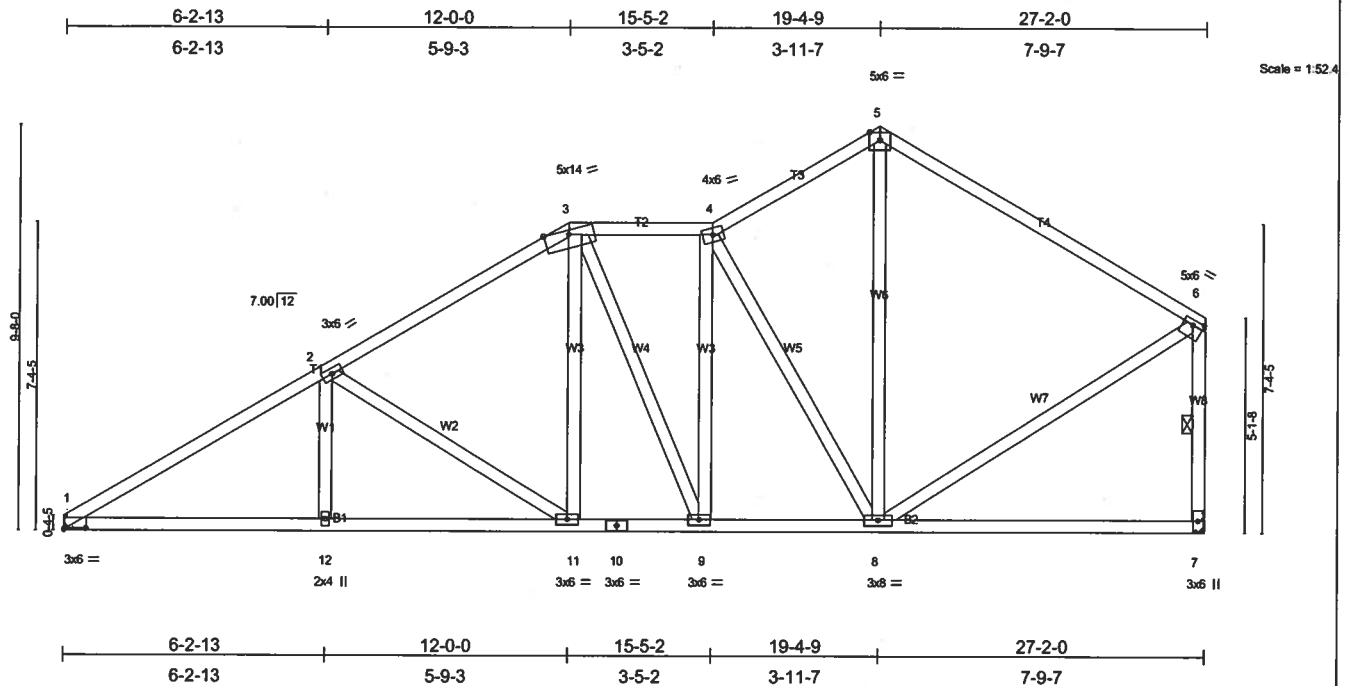


Plate Offsets (X,Y): [1:0-6-5,0-0-6], [6:0-3-0,0-1-8]

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.77	Vert(LL)	-0.09	7-8	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.48	Vert(TL)	-0.15	7-8	>999	180		
BCLL 10.0	Rep Stress Incr YES	WB 0.87	Horz(TL)	0.04	7	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)							
									Weight: 178 lb

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

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

REACTIONS (lb/size) 1=1129/Mechanical, 7=1129/Mechanical
Max Horz 1=306(load case 4)
Max Uplift 1=374(load case 5), 7=371(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1855/598, 2-3=-1332/489, 3-4=-1056/451, 4-5=-819/356, 5-6=-909/359, 6-7=-1011/388
BOT CHORD 1-12=-710/1525, 11-12=-710/1525, 10-11=-449/1085, 9-10=-449/1085, 8-9=-412/1053, 7-8=-40/70
WEBS 2-12=0/217, 2-11=-532/310, 3-11=-127/425, 3-9=-102/102, 4-9=-81/152, 4-8=-761/376, 5-8=-146/516, 6-8=-243/747

JOINT STRESS INDEX
1 = 0.78, 2 = 0.42, 3 = 0.68, 4 = 0.40, 5 = 0.64, 6 = 0.81, 7 = 0.44, 8 = 0.71, 9 = 0.48, 10 = 0.36, 11 = 0.35 and 12 = 0.34

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) 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.
- All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 374 lb uplift at joint 1 and 371 lb uplift at joint 7.

LOAD CASE(S) Standard

Job L209778	Truss T17	Truss Type HIP	Qty 1	Ply 1	EWPL- LOT 20 ROLLING MEADOWS
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.300 s Apr 19 2006 MiTek Industries, Inc. Tue Sep 12 08:30:01 2006 Page 1		

1-4-0	3-6-14	8-11-0	14-1-7	19-3-13	24-8-0	31-8-0	33-0-0
1-4-0	3-6-14	5-4-3	5-2-7	5-2-7	5-4-3	7-0-0	1-4-0

Scale = 1:57.5
Camber = 1/4 in

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	In (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.87	Vert(LL)	-0.39 11-12	>970	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.91	Vert(TL)	-0.62 11-12	>604	180	MT20H	187/143
BCCL 10.0	Rep Stress Incr	NO	WB 0.86	Horz(TL)	0.19 8	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)						
								Weight: 178 lb	

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD 2 X 4 SYP No.1D	BOT CHORD Rigid ceiling directly applied or 3-9-8 oc bracing.
WEBS 2 X 4 SYP No.3	WEBS 1 Row at midpt 4-15, 6-10
WEDGE	
Right: 2 X 6 SYP No.1D	

REACTIONS (lb/size) 16=2901/0-4-0, 8=2765/0-4-0
Max Horz 16=-184(load case 2)
Max Uplift 16=-1566(load case 3), 8=-1437(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/40, 2-3=2708/1553, 3-4=2348/1402, 4-5=5600/3267, 5-6=5600/3267, 6-7=4104/2377, 7-8=4800/2668, 8-9=0/36, 2-16=-2864/1567
BOT CHORD 15-16=-107/185, 14-15=-2689/4593, 13-14=-2689/4593, 12-13=-2689/4593, 11-12=-3093/5444, 10-11=-3093/5444, 8-10=-2197/4036
WEBS 3-15=-424/956, 4-15=-2888/1735, 4-14=0/350, 4-12=-765/1298, 5-12=-594/604, 6-12=-162/233, 6-11=0/340, 6-10=-1810/1192, 7-10=-1035/1949, 2-15=-1556/2692

JOINT STRESS INDEX
2 = 0.89, 3 = 0.75, 4 = 0.71, 5 = 0.35, 6 = 0.86, 7 = 0.97, 8 = 0.81, 8 = 0.77, 10 = 0.69, 11 = 0.34, 12 = 0.00, 13 = 0.87, 14 = 0.34, 15 = 0.68 and 16 = 0.52

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; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60.
- 3) Provide adequate drainage to prevent water ponding.
- 4) All plates are MT20 plates unless otherwise indicated.
- 5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1566 lb uplift at joint 16 and 1437 lb uplift at joint 8.
- 7) Girder carries hip end with 7-0-0 right side setback, 3-6-14 left side setback, and 7-0-0 end setback.
- 8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 539 lb down and 374 lb up at 24-8-0, and 275 lb down and 191 lb up at 3-6-14 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

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

Uniform Loads (plf)
Vert: 1-2=-54, 2-3=-54, 3-7=-117(F=-63), 7-9=-54, 15-16=-30, 10-15=65(F=-35), 8-10=-30

Concentrated Loads (lb)
Vert: 15=-275(F) 10=-539(F)

Job L209778	Truss T18	Truss Type HIP	Qty 1	Ply 1	EWPL- LOT 20 ROLLING MEADOWS
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.300 s Apr 19 2006 MiTek Industries, Inc. Tue Sep 12 08:30:29 2006 Page 1		

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 0.60	Vert(LL) -0.18 8-10 >999 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.92	Vert(TL) -0.31 8-10 >999 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.08 8 n/a n/a		
	Code FBC2004/TPI2002			Weight: 175 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 3-11-15 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 7-5-0 oc bracing.

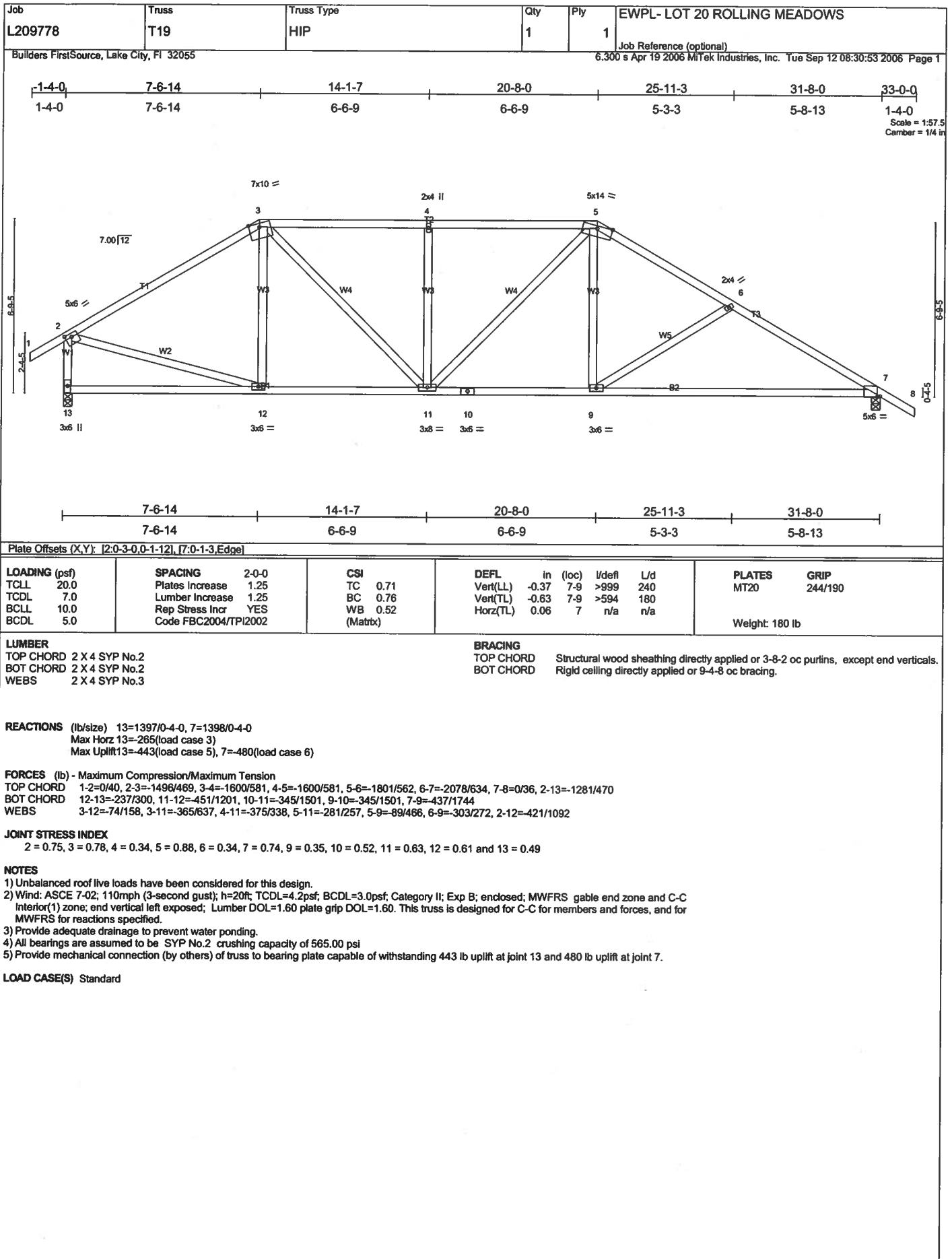
REACTIONS (lb/size) 14=1397/0-4-0, 8=1398/0-4-0
 Max Horz 14=-225(load case 3)
 Max Uplift 14=-441(load case 4), 8=-464(load case 6)

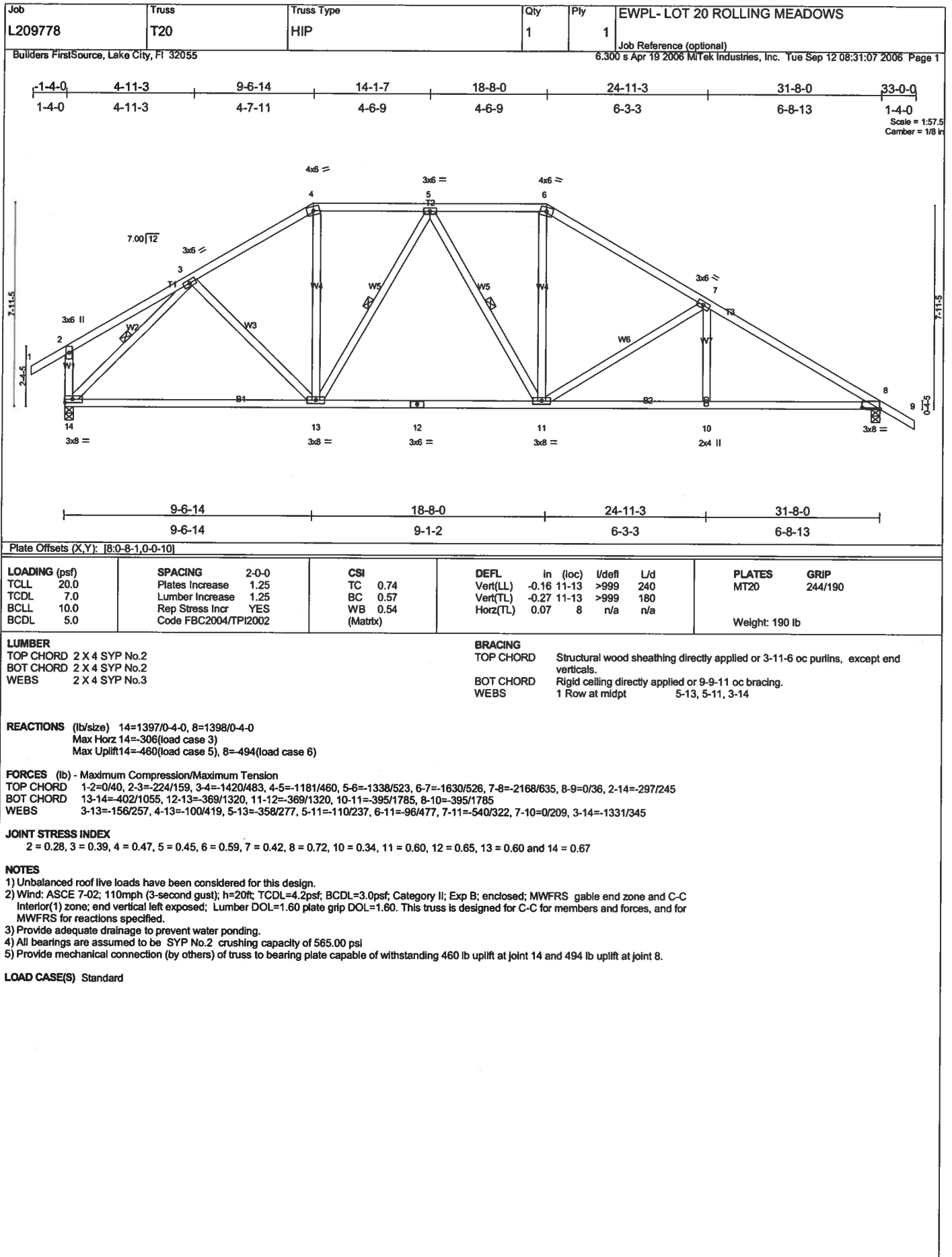
FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/40, 2-3=-1421/514, 3-4=-1174/488, 4-5=-1924/753, 5-6=-1636/644, 6-7=-1931/697, 7-8=-2142/728, 8-9=0/36, 2-14=-1328/470
 BOT CHORD 13-14=-172/233, 12-13=-732/1778, 11-12=-724/1936, 10-11=-724/1936, 8-10=-550/1796
 WEBS 3-13=-126/431, 4-13=-878/482, 4-12=-59/327, 5-12=-41/117, 5-10=-497/375, 6-10=-160/670, 7-10=-209/212, 2-13=-455/1185

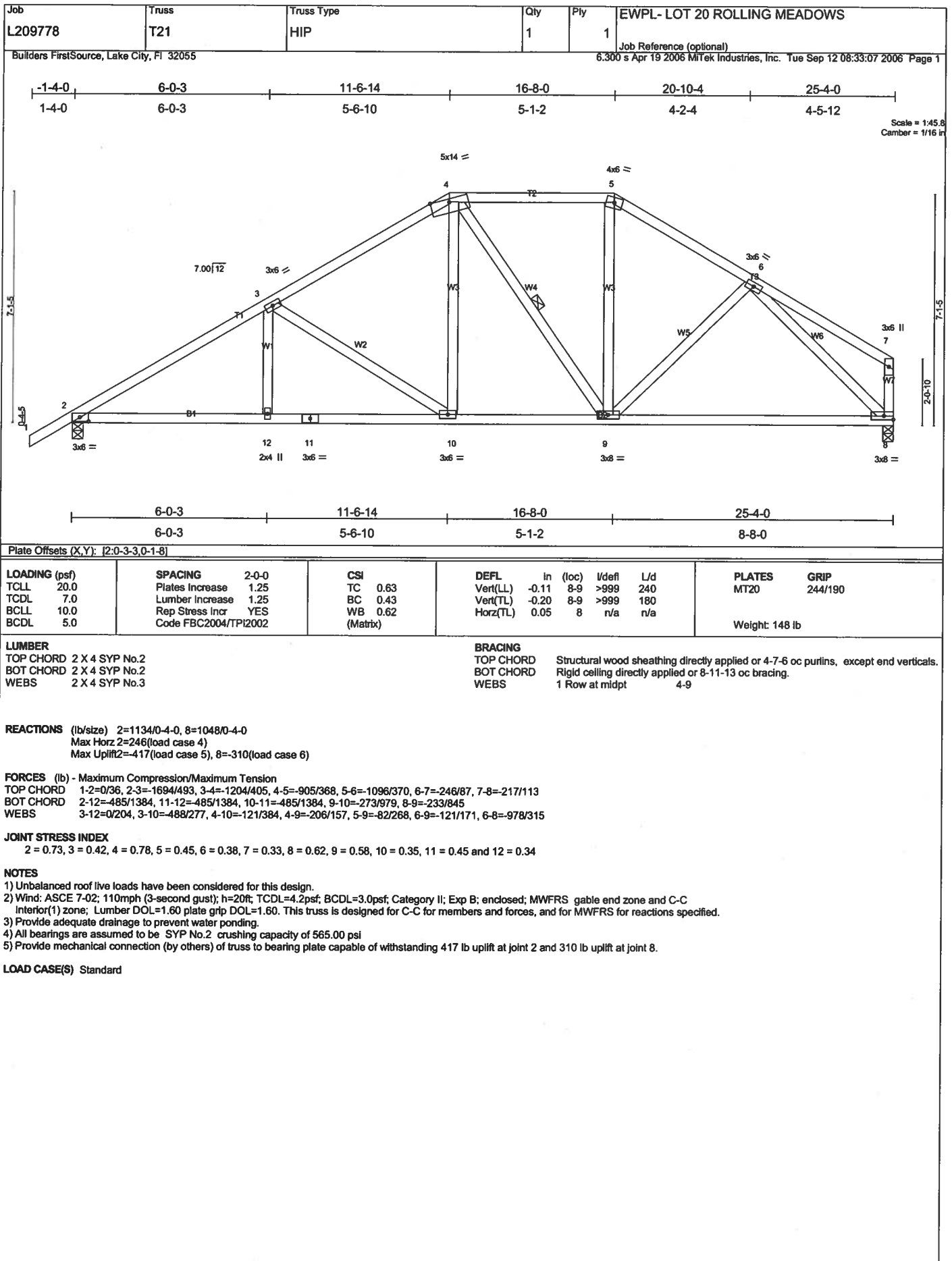
JOINT STRESS INDEX
 2 = 0.85, 3 = 0.56, 4 = 0.45, 5 = 0.45, 6 = 0.55, 7 = 0.34, 8 = 0.72, 10 = 0.57, 11 = 0.67, 12 = 0.45, 13 = 0.54 and 14 = 0.69

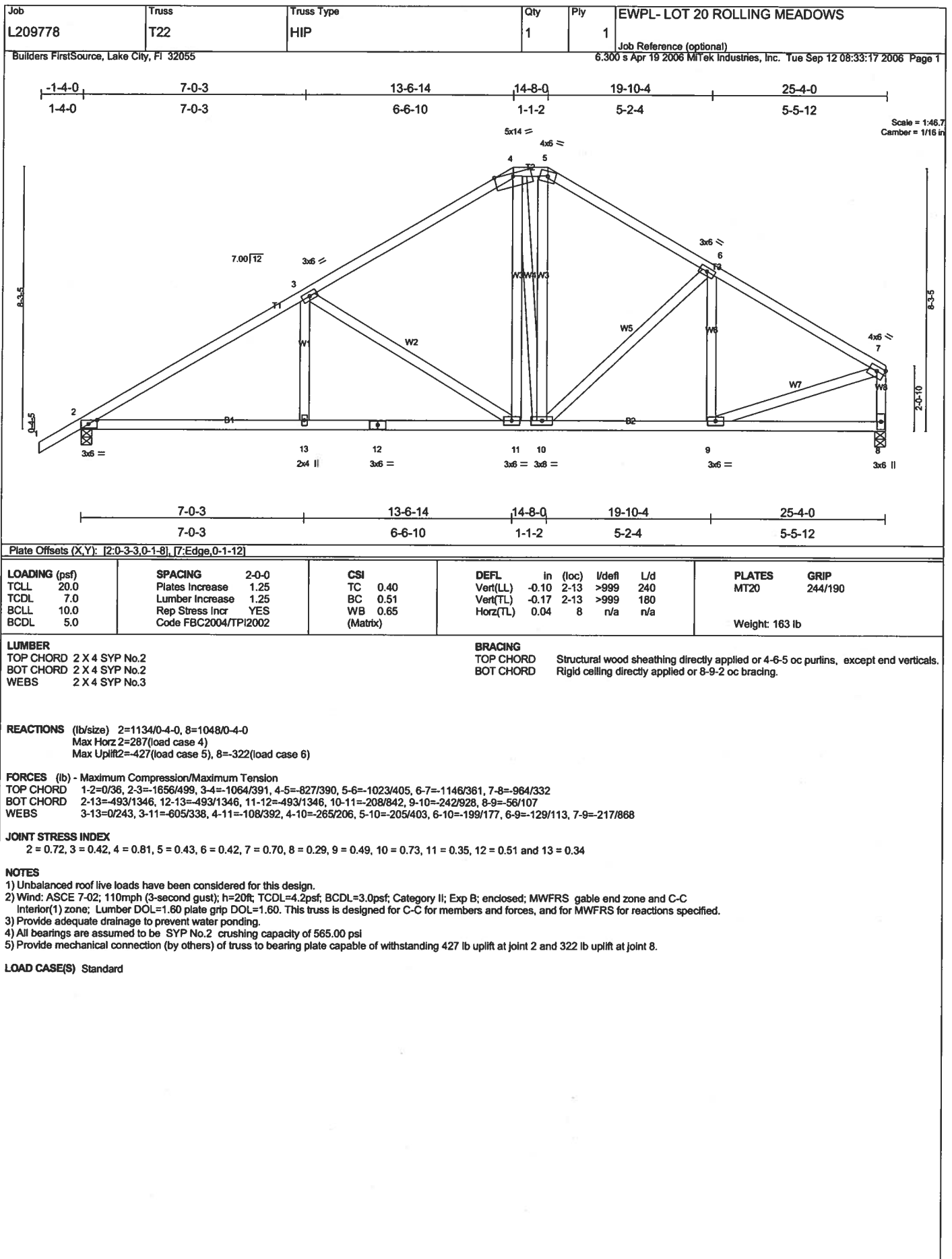
NOTES
 1) Unbalanced roof live loads have been considered for this design.
 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
 3) Provide adequate drainage to prevent water ponding.
 4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 441 lb uplift at joint 14 and 464 lb uplift at joint 8.

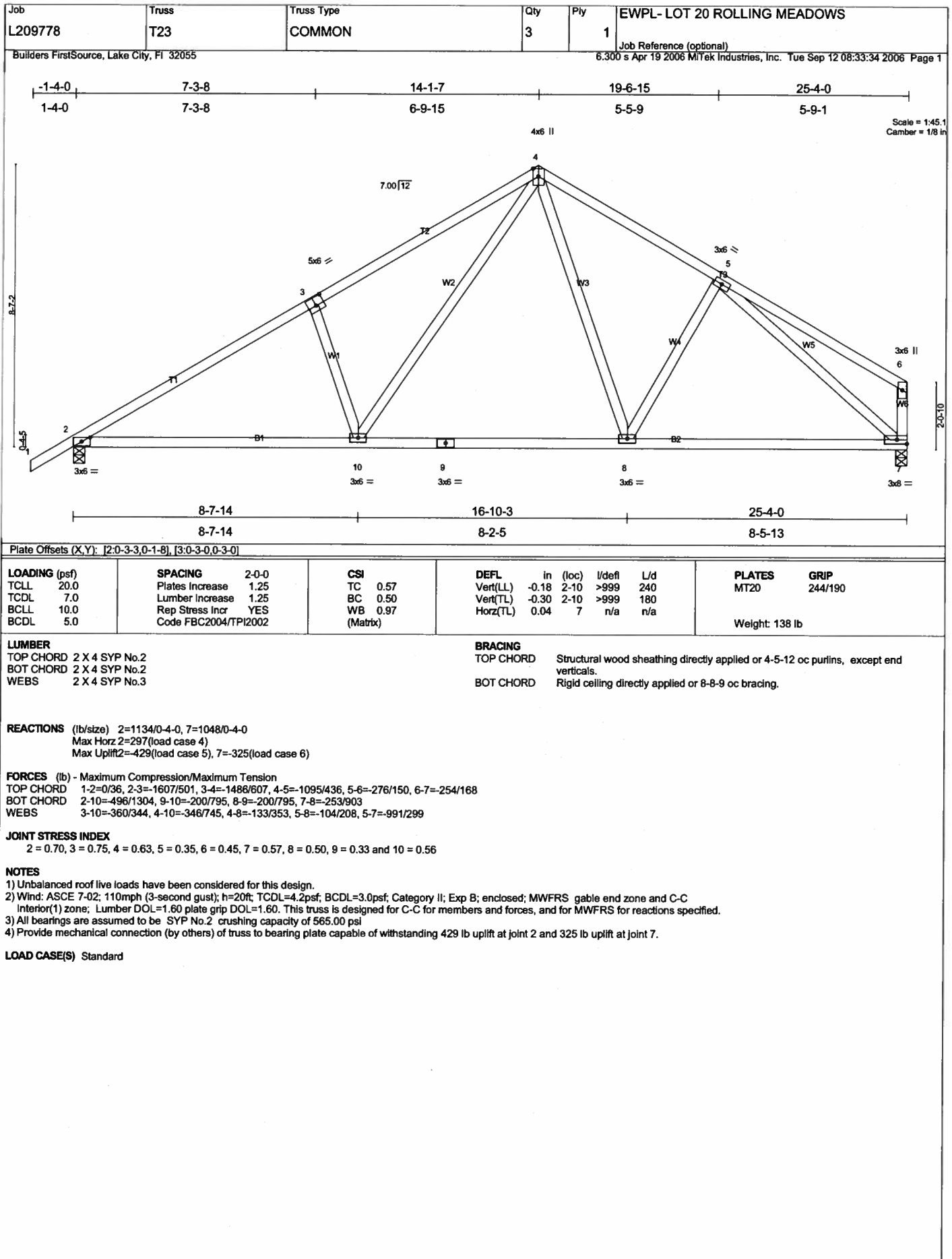
LOAD CASE(S) Standard

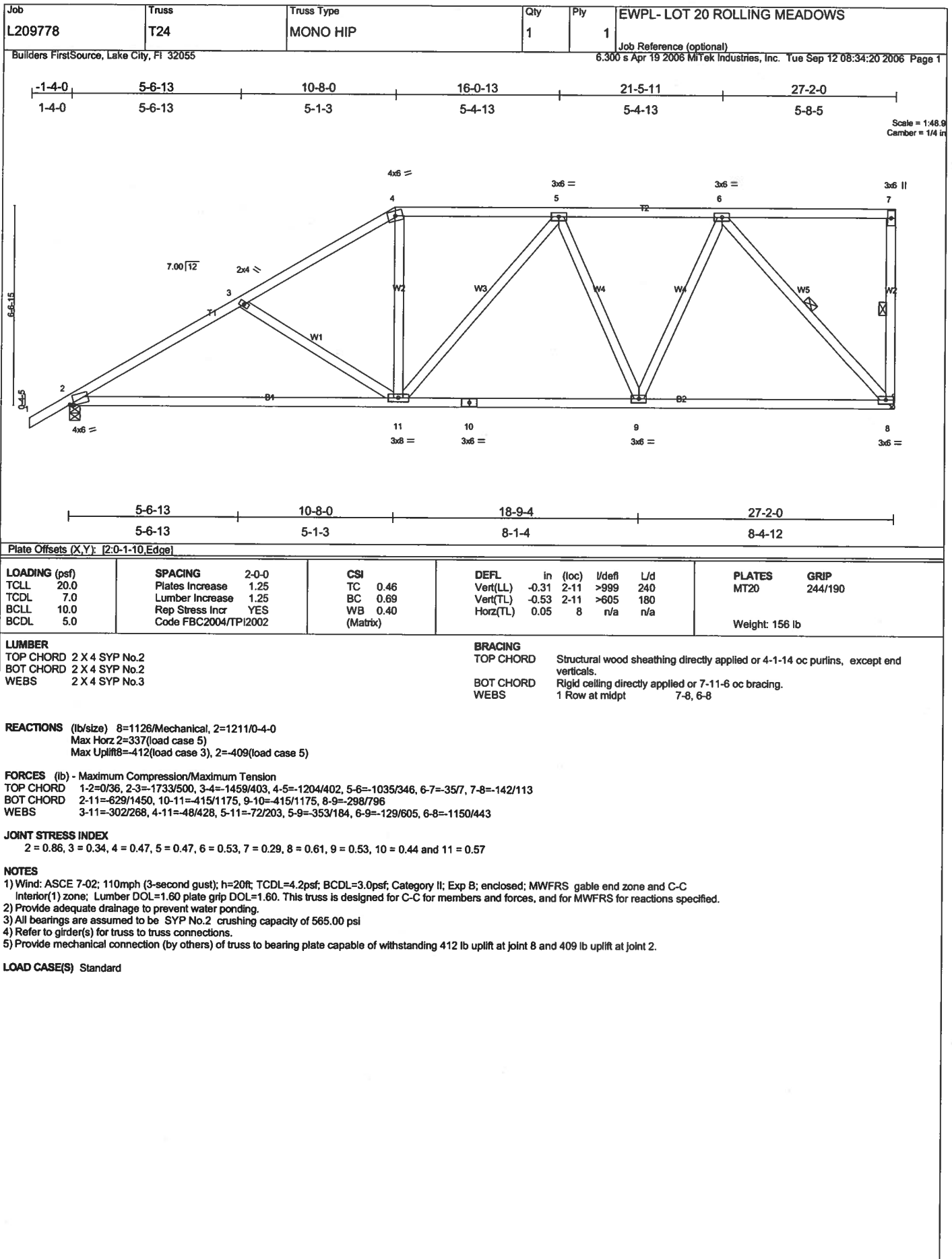


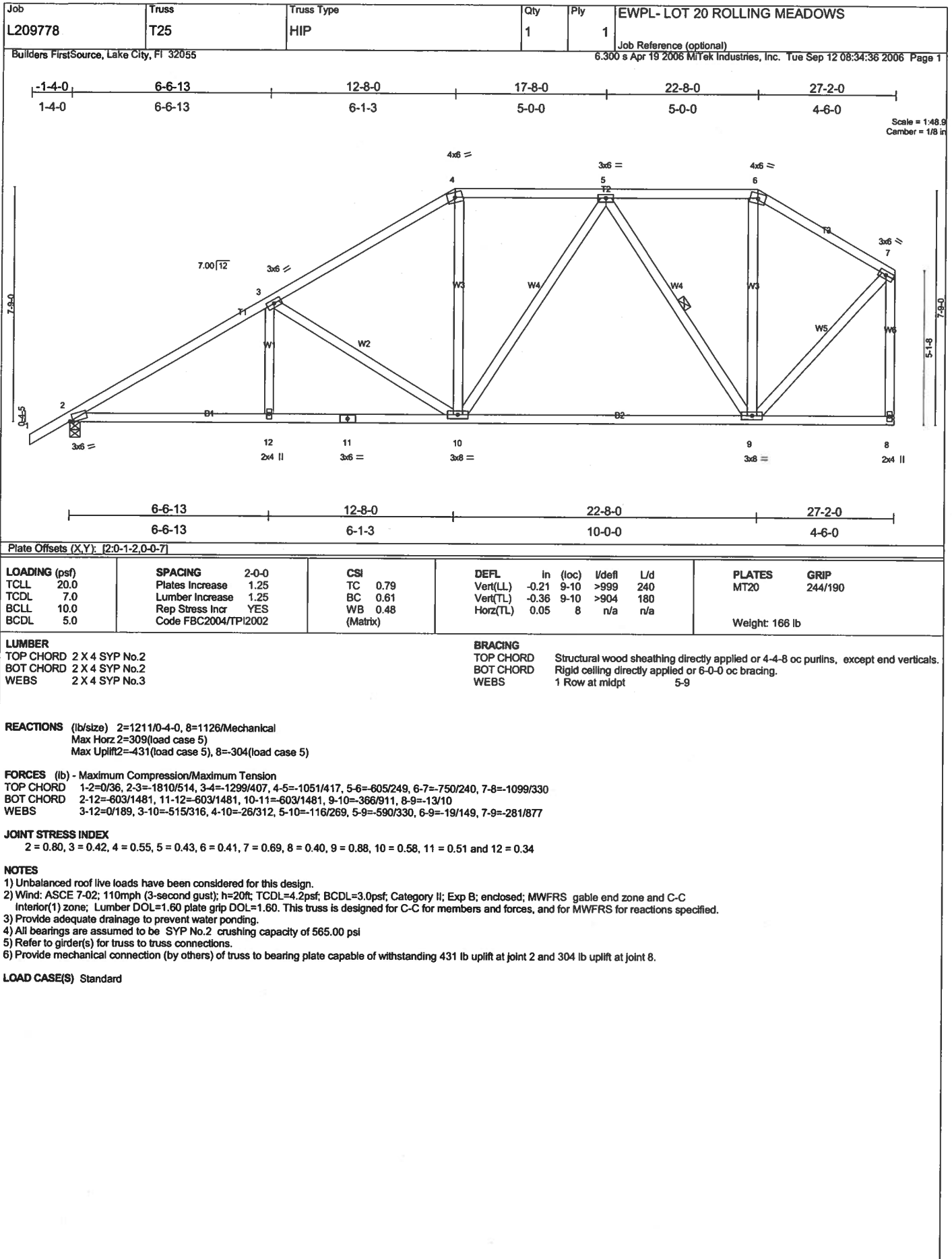


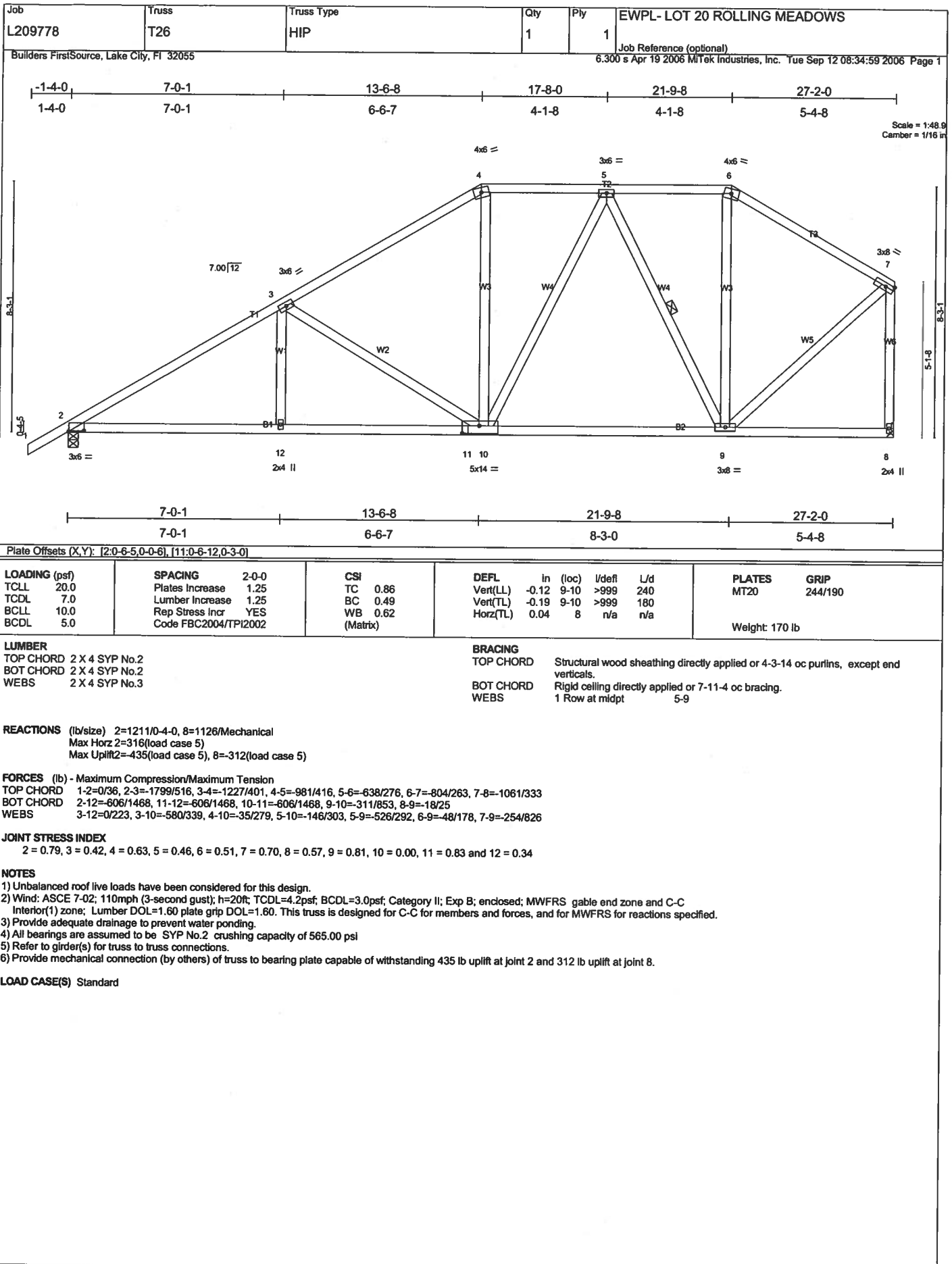


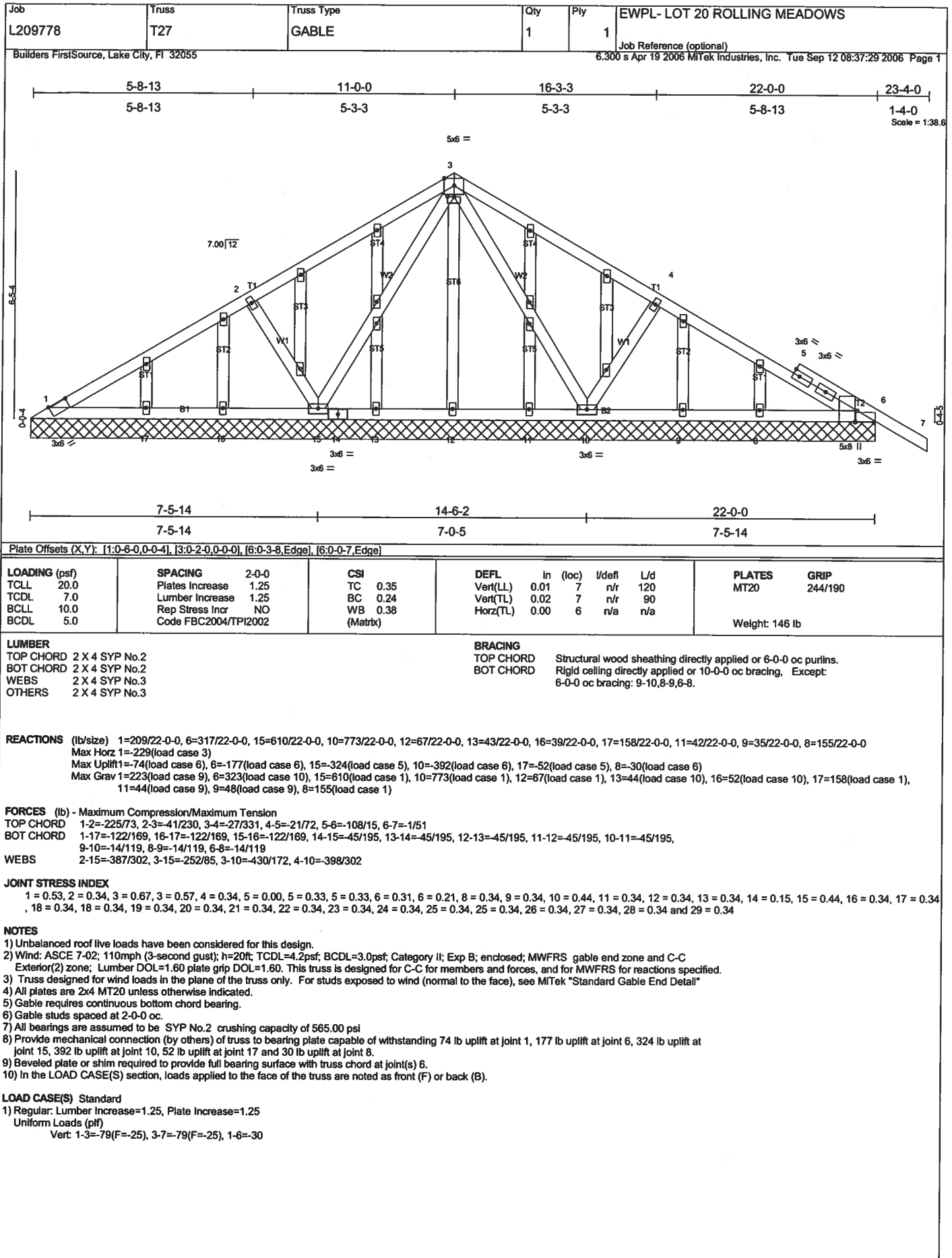












Job L209778	Truss T28	Truss Type COMMON	Qty 2	Ply 1	EWPL- LOT 20 ROLLING MEADOWS Job Reference (optional)
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Builders FirstSource, Lake City, FL 32055
6.300 s Apr 19 2006 Mitek Industries, Inc. Tue Sep 12 08:44:05 2006 Page 1

LOADING (psf) TCCL 20.0 TCDL 7.0 BCDL 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 0.44 BC 0.37 WB 0.37 (Matrix)	DEFL in (loc) l/defl L/d Vert(LL) 0.47 5-6 >558 240 Vert(TL) 0.38 5-6 >682 180 Horz(TL) -0.03 1 n/a n/a
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PLATES MT20 GRIP 244/190 Weight: 104 lb

LUMBER
 TOP CHORD 2 X 4 SYP No.2
 BOT CHORD 2 X 4 SYP No.1D
 WEBS 2 X 4 SYP No.3

BRACING
 TOP CHORD Structural wood sheathing directly applied or 4-9-14 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 6-5-2 oc bracing.

REACTIONS (lb/size) 1=910/0-4-0, 5=910/0-4-0
 Max Horz 5=-224(load case 3)
 Max Uplift 1=-564(load case 5), 5=-564(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-1349/1122, 2-3=-1118/1066, 3-4=-1118/1066, 4-5=-1349/1122
 BOT CHORD 1-8=-916/1121, 7-8=-613/803, 6-7=-613/803, 5-6=-916/1121
 WEBS 2-8=-313/299, 3-8=-484/418, 3-6=-484/418, 4-6=-313/298

JOINT STRESS INDEX
 1 = 0.86, 2 = 0.34, 3 = 0.43, 4 = 0.34, 5 = 0.86, 6 = 0.52, 7 = 0.73 and 8 = 0.52

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 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.
 3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 564 lb uplift at joint 1 and 564 lb uplift at joint 5.

LOAD CASE(S) Standard

Job L209778	Truss T29	Truss Type COMMON	Qty 1	Ply 1	EWPL- LOT 20 ROLLING MEADOWS
Builders FirstSource, Lake City, FL 32055			Job Reference (optional)		

6.300 s Apr 19 2006 MitTek Industries, Inc. Tue Sep 12 08:44:24 2006 Page 1

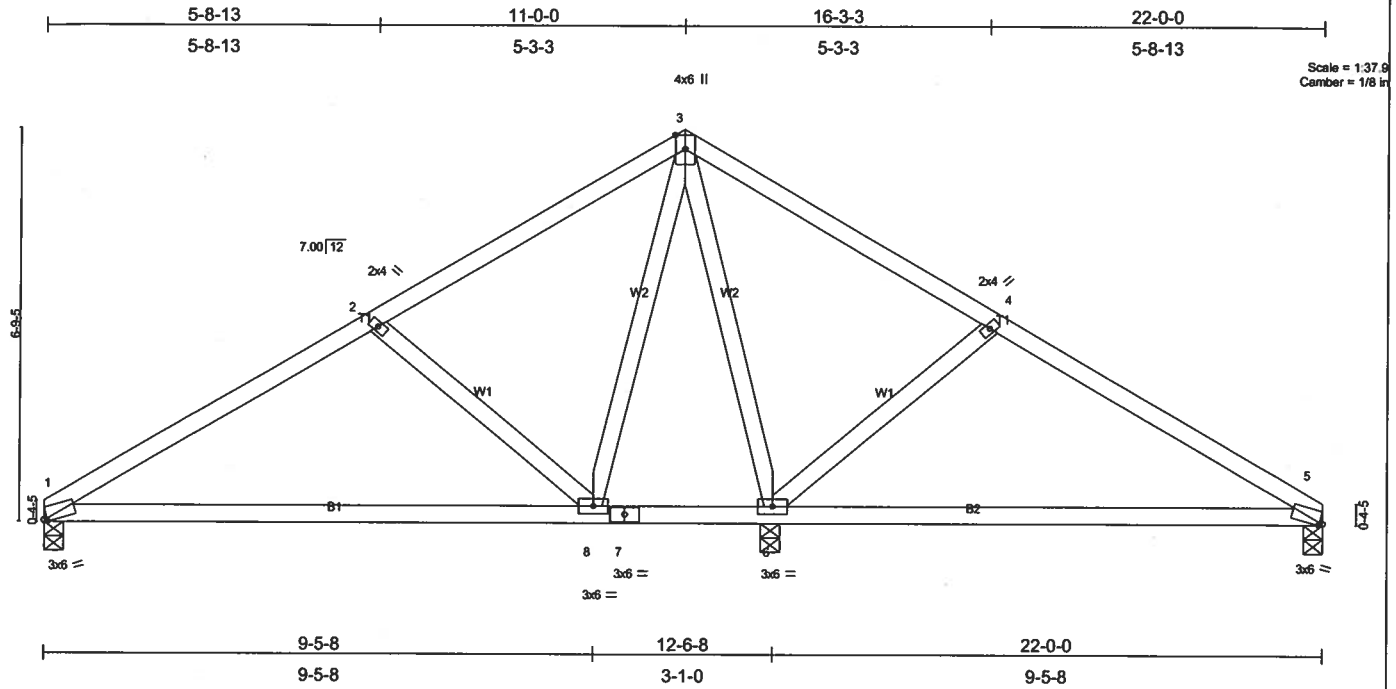


Plate Offsets (X,Y): [1:0-0-11,Edge], [5:0-0-11,Edge]

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	l/def	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.38	Vert(LL) 0.43	5-6	>257	240		MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.50	Vert(TL) 0.36	5-6	>314	180			
BCLL 10.0	Lumber Increase 1.25	WB 0.55	Horz(TL) -0.01	1	n/a	n/a			
BCDL 5.0	Rep Stress Incr YES	(Matrix)							
	Code FBC2004/TPI2002								
								Weight: 104 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=440/0-4-0, 5=283/0-4-0, 6=1097/0-4-0
 Max Horz 5=-224(load case 3)
 Max Uplift 1=142(load case 5), 5=-178(load case 6), 6=-520(load case 6)
 Max Grav 1=455(load case 9), 5=311(load case 10), 6=1097(load case 1)

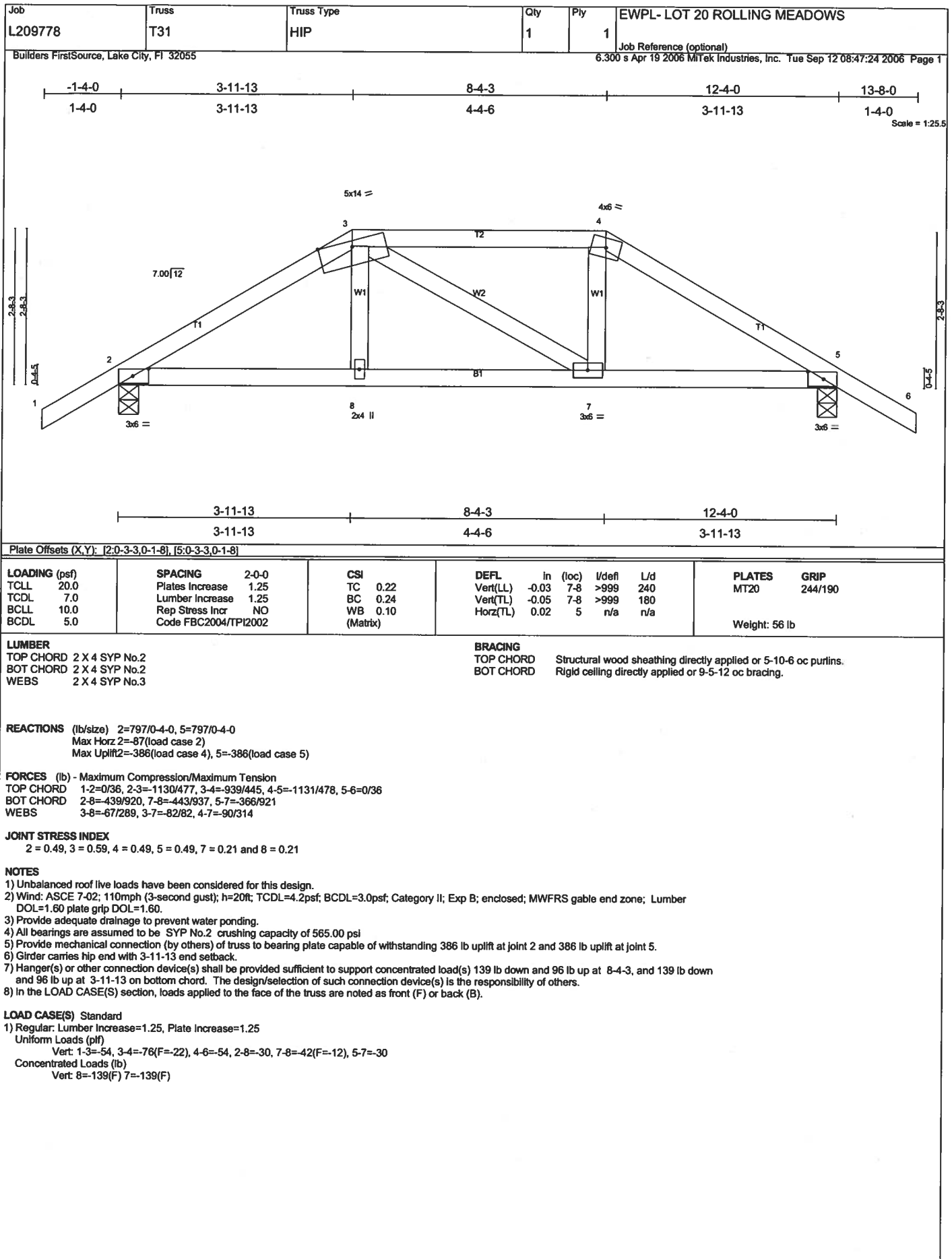
FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-481/169, 2-3=-238/102, 3-4=-66/236, 4-5=-208/88
 BOT CHORD 1-8=-64/383, 7-8=-4/175, 6-7=-4/175, 5-6=-184/170
 WEBS 2-8=-333/286, 3-8=-98/425, 3-6=-698/190, 4-6=-340/316

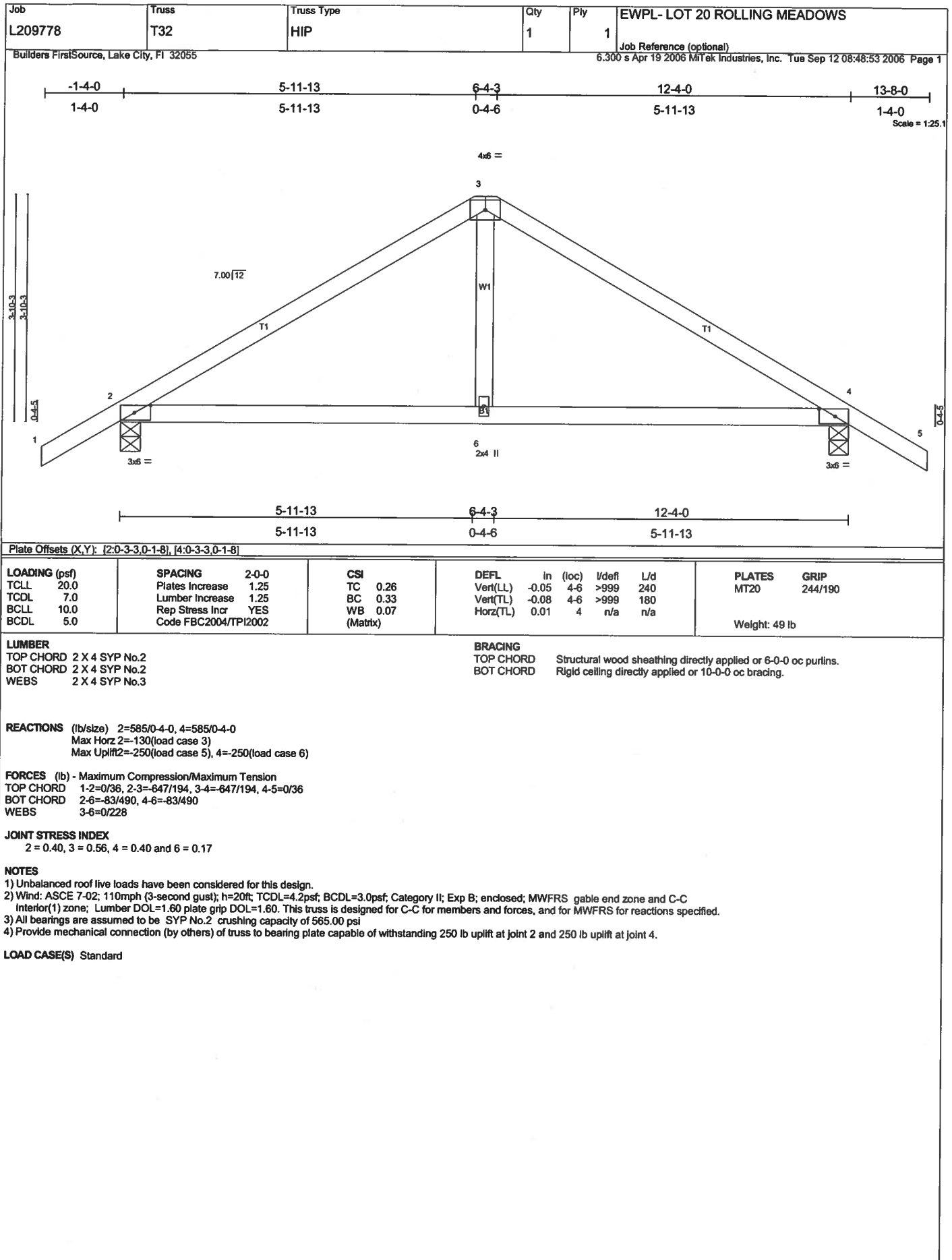
JOINT STRESS INDEX
 1 = 0.94, 2 = 0.34, 3 = 0.59, 4 = 0.34, 5 = 0.94, 6 = 0.52, 7 = 0.75 and 8 = 0.52

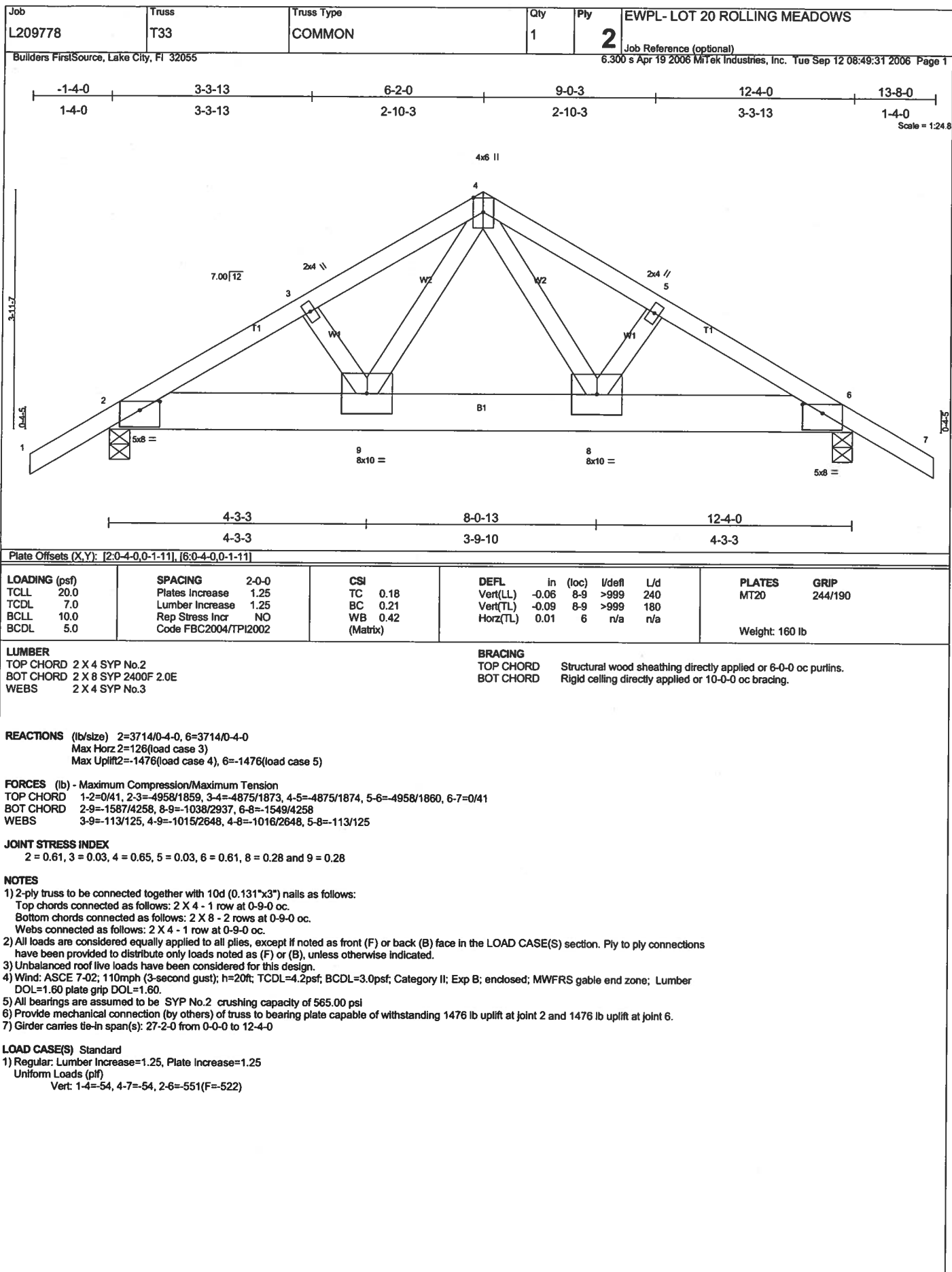
NOTES

- 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 Interior(1) zone; porch 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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 142 lb uplift at joint 1, 178 lb uplift at joint 5 and 520 lb uplift at joint 6.

LOAD CASE(S) Standard

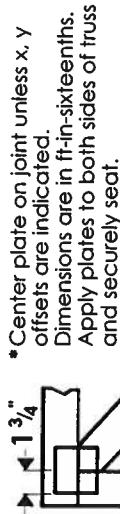




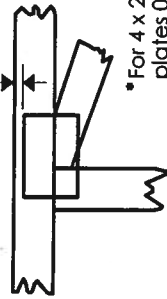


Symbols

PLATE LOCATION AND ORIENTATION



0-1/8"



*For 4 x 2 orientation, locate plates 0-1/8" 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

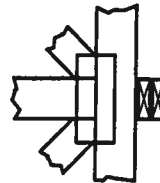
The first dimension is the width perpendicular to slots. Second dimension is the length parallel to slots.

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

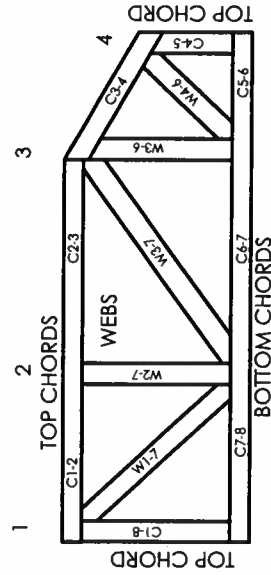


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

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



8 7 6 5

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: MII-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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