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RONALD CLARK CONSTRUCTION INC (DBA Name)
Main Address: 15816 NW CR 1491
 ALACHUA Florida 32615
County: ALACHUA

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Rank: Cert Residential
License Number: CRC1326560
Status: Current,Active
Licensure Date: 11/18/2002
Expires: 08/31/2008

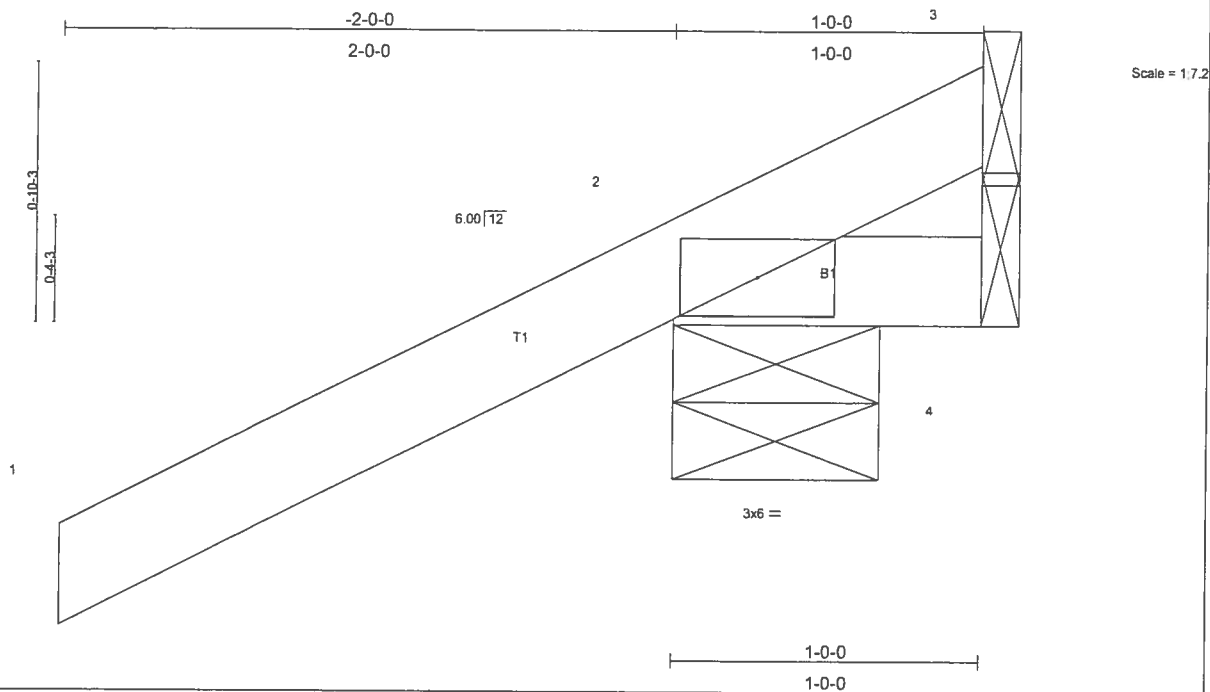
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Job L209611	Truss CJ1	Truss Type JACK	Qty 8	Ply 1	RONALD CLARK CONSTRUCTION (BELL)
Builders FirstSource, Lake City, Fl 32055					Job Reference (optional) 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Sep 06 12:03:54 2006 Page 1



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

LUMBER

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

BRACING

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

REACTIONS

(lb/size) 2=275/0-8-0, 4=14/Mechanical, 3=100/Mechanical
Max Horz 2=87(load case 5)
Max Uplift 2=286(load case 5), 3=100(load case 1)
Max Grav 2=275(load case 1), 4=14(load case 1), 3=138(load case 5)

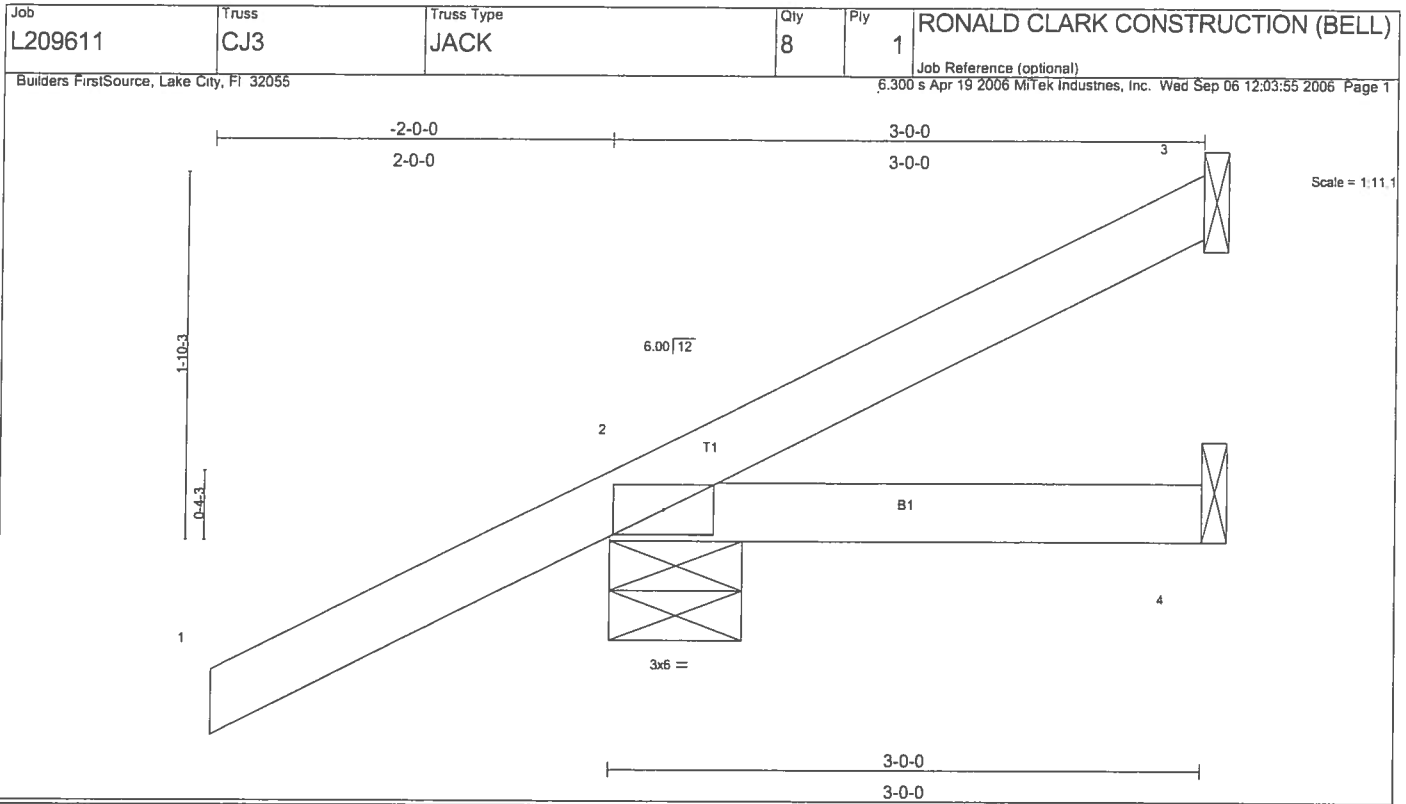
FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/47, 2-3=-75/85
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 286 lb uplift at joint 2 and 100 lb uplift at joint 3.

LOAD CASE(S) Standard



LOADING (psf)	SPACING	2'-0'-0'	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.34	Vert(LL)	-0.00	2-4	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.05	Vert(TL)	-0.00	2-4	>999	180		
BCLL 10.0	Rep Stress Incr	YES	WB 0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							
									Weight: 13 lb	

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

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

REACTIONS (lb/size) 3=14/Mechanical, 2=292/0-8-0, 4=39/Mechanical
 Max Horz 2=132(load case 5)
 Max Uplift 3=-22(load case 6), 2=-222(load case 5)
 Max Grav 3=18(load case 3), 2=292(load case 1), 4=39(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/48, 2-3=-63/8
 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 22 lb uplift at joint 3 and 222 lb uplift at joint 2.

LOAD CASE(S) Standard

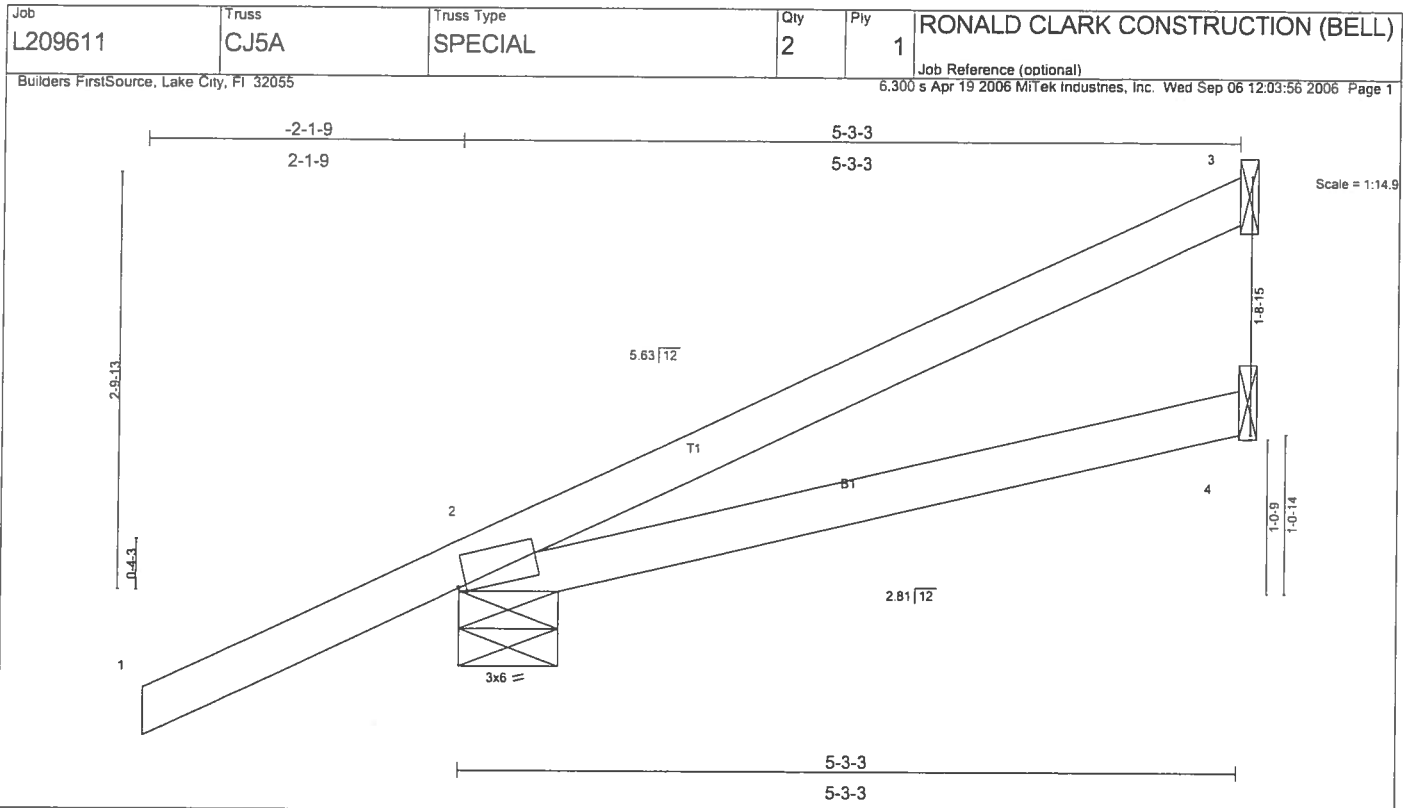


Plate Offsets (X,Y): [2-0-0-10,Edge]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	I/def	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.36	Vert(LL)	-0.03	2-4	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.17	Vert(TL)	-0.05	2-4	>999	180		
BCLL 10.0	Rep Stress Incr	YES	WB 0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							
									Weight: 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 5-3-3 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=98/Mechanical, 2=371/0-8-0, 4=73/Mechanical
Max Horz 2=175(load case 5)
Max Uplift 3=82(load case 5), 2=225(load case 5)

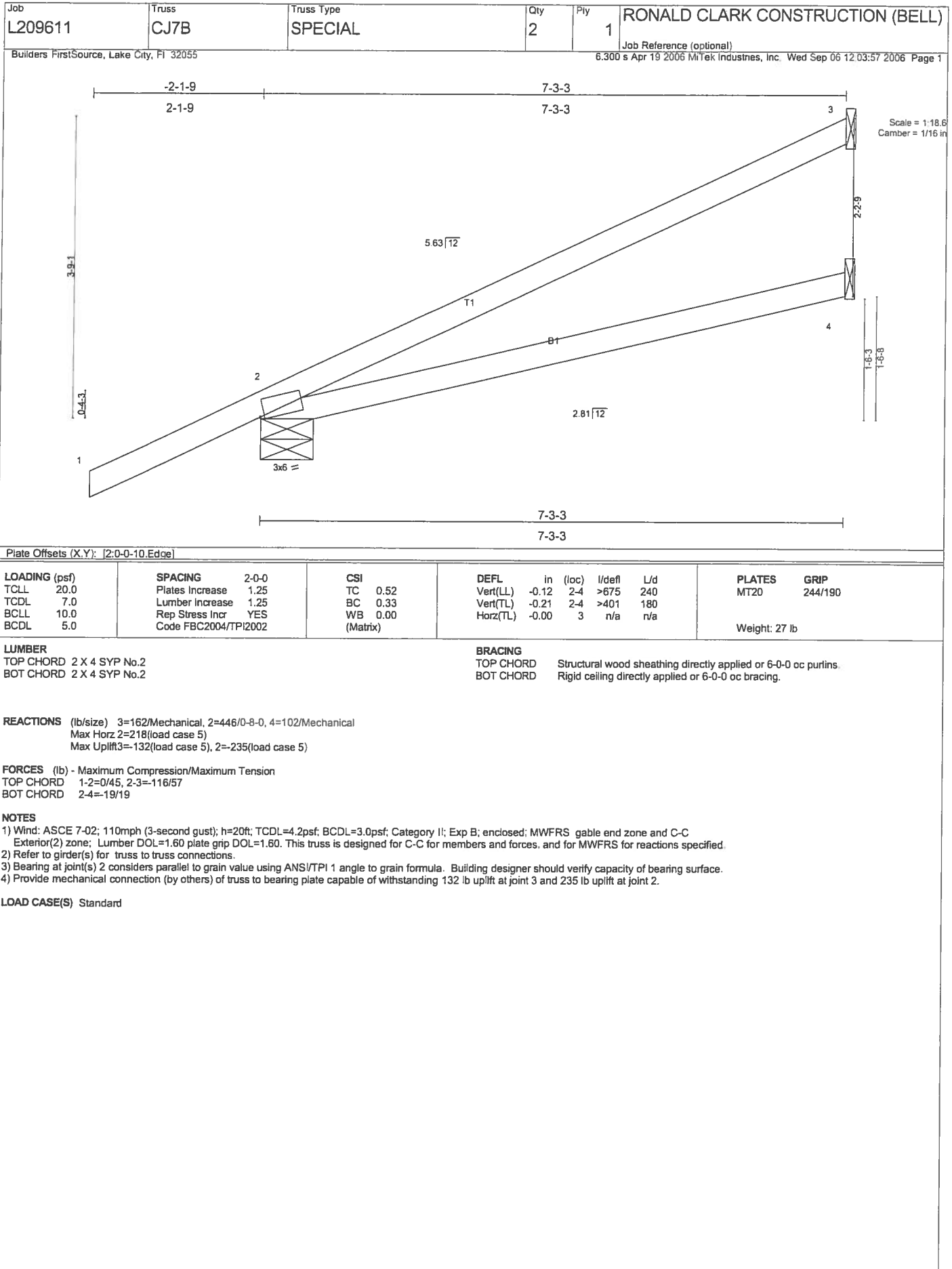
FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/45, 2-3=85/33
BOT CHORD 2-4=-13/13

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) Refer to girder(s) for truss to truss connections.
- 3) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 82 lb uplift at joint 3 and 225 lb uplift at joint 2.

LOAD CASE(S) Standard



Job L209611	Truss EJ7	Truss Type JACK	Qty 38	Ply 1	RONALD CLARK CONSTRUCTION (BELL)
Builders FirstSource, Lake City, FL 32055					Job Reference (optional) 6,300 s Apr 19 2006 MiTek Industries, Inc. Wed Sep 06 12:03:57 2006 Page 1

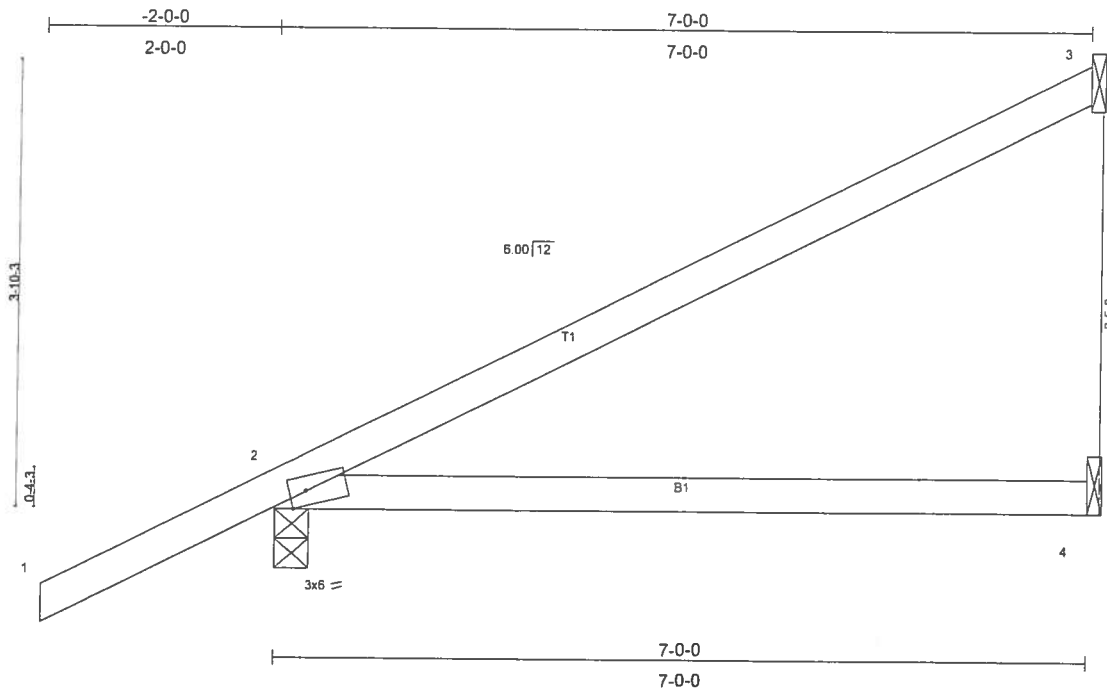


Plate Offsets (X,Y): [2.0-1-12,Edge]

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 2.0-0	TC 0.48	Vert(LL)	-0.12	2-4	>664	240	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.35	Vert(TL)	-0.21	2-4	>397	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: 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" oc purlins.
BOT CHORD Rigid ceiling directly applied or 10'-0" oc bracing.

REACTIONS (lb/size) 3=162/Mechanical, 2=419/0-3-8, 4=104/Mechanical
Max Horz 2=224(load case 5)
Max Uplift 3=134(load case 5), 2=210(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-119/58
BOT CHORD 2-4=0/0

NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C 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 134 lb uplift at joint 3 and 210 lb uplift at joint 2.

LOAD CASE(S) Standard

Job L209611	Truss EJ7A	Truss Type SPECIAL	Qty 3	Ply 1	RONALD CLARK CONSTRUCTION (BELL)
Builders FirstSource, Lake City, FL 32055					Job Reference (optional) 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Sep 06 12:03:58 2006 Page 1

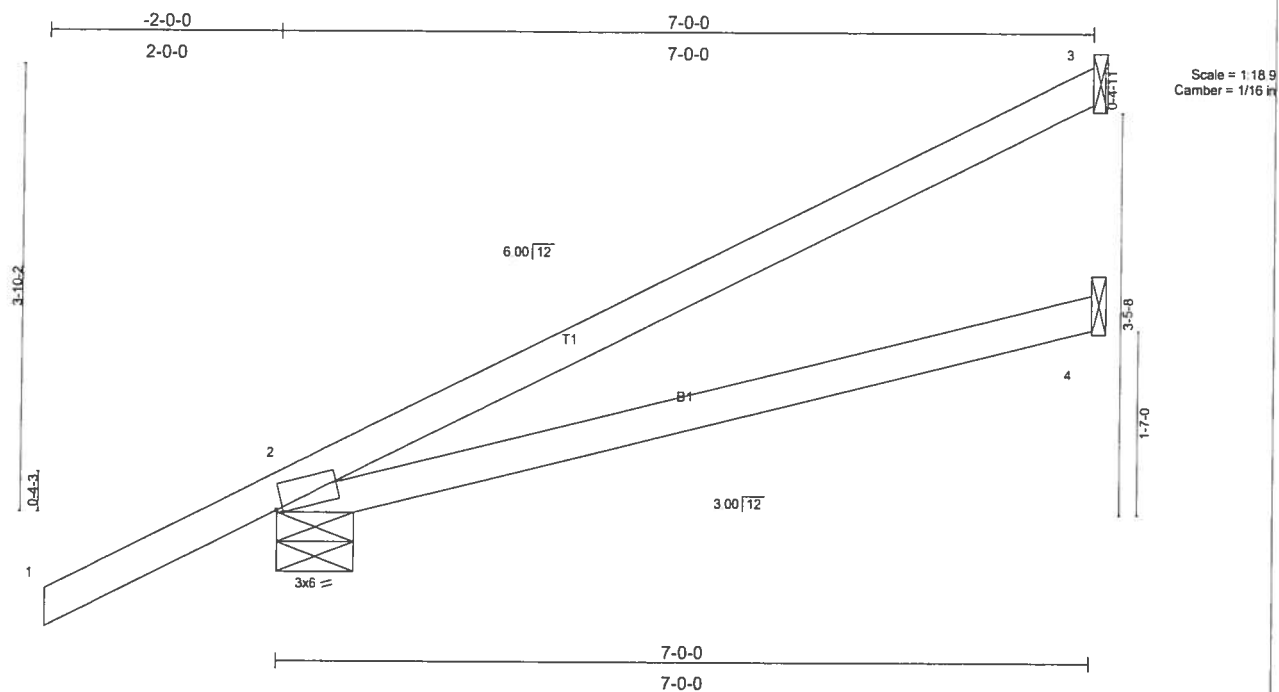


Plate Offsets (X, Y): [2.0-0-10.Edge]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.49	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.31	Vert(LL) -0.11 2-4 >748 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.00	Vert(TL) -0.18 2-4 >445 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) -0.00 3 n/a n/a		
	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 6-0-0 oc bracing.

REACTIONS (lb/size) 3=156/Mechanical, 2=426/0-8-0, 4=99/Mechanical
Max Horz 2=222(load case 5)
Max Uplift 3=132(load case 5), 2=218(load case 5)

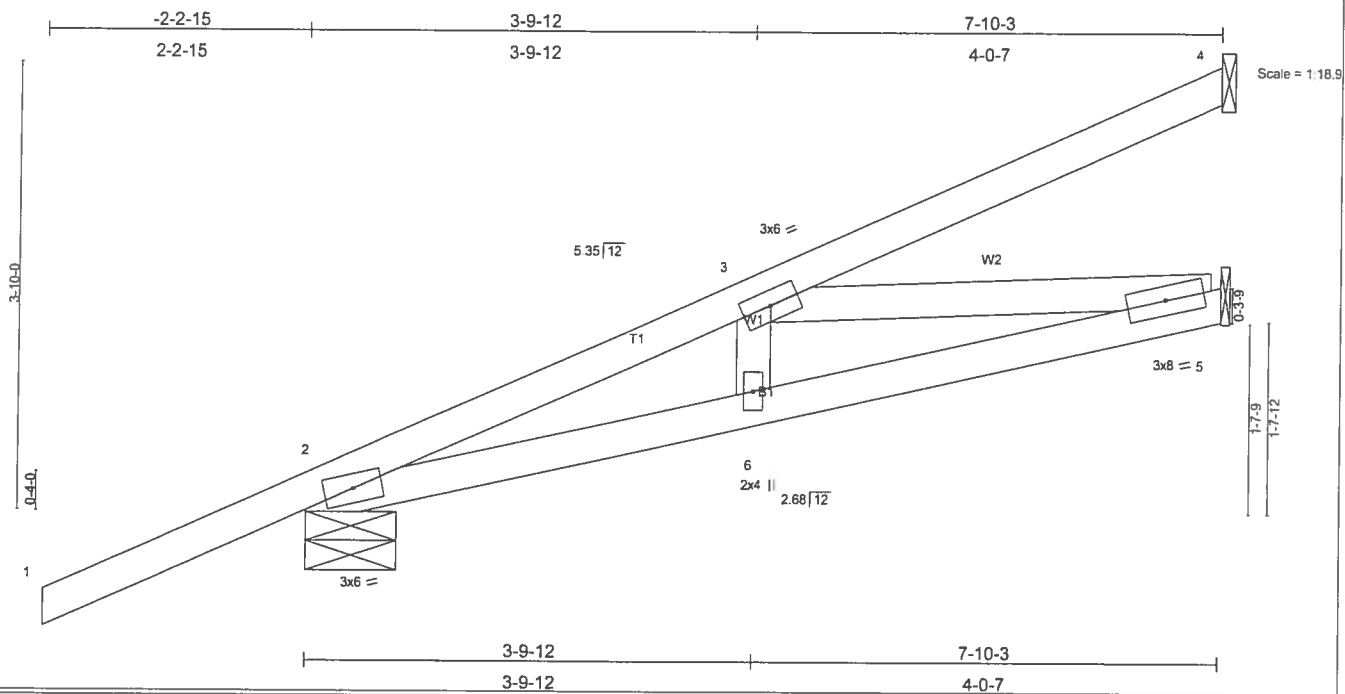
FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=122/57
BOT CHORD 2-4=-19/19

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) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 132 lb uplift at joint 3 and 218 lb uplift at joint 2.

LOAD CASE(S) Standard

Job L209611	Truss HJ7	Truss Type MONO SCISSOR	Qty 2	Ply 1	RONALD CLARK CONSTRUCTION (BELL)
Builders FirstSource, Lake City, Fl 32055			Job Reference (optional) 6.300 s Apr 19 2006 MiTek Industries, Inc Wed Sep 06 12:03:59 2006 Page 1		



LOADING (psf)		SPACING		CSI		DEFL				PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.38	in	(loc)	l/defl	L/d	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.23	Vert(LL)	-0.02	5-6	>999		
BCLL	10.0	Rep Stress Incr	NO	WB	0.18	Vert(TL)	-0.04	5-6	>999		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)		Horz(TL)	0.01	5	n/a		
										Weight: 35 lb	

LUMBER

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

BRACING

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

REACTIONS

(lb/size) 4=95/Mechanical, 2=477/0-9-6, 5=194/Mechanical
 Max Horz 2=224(load case 4)
 Max Uplift 4=81(load case 4), 2=254(load case 4), 5=46(load case 4)

FORCES

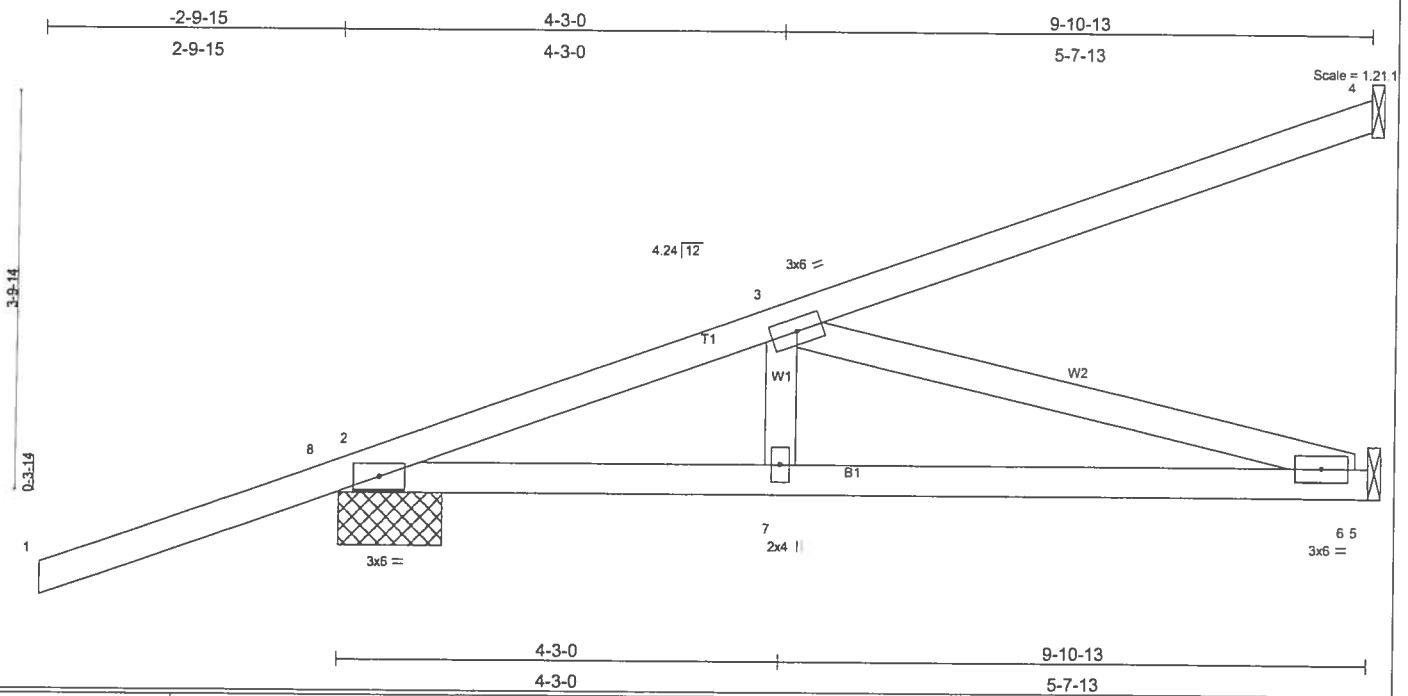
(lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/48, 2-3=-666/100, 3-4=-49/30
 BOT CHORD 2-6=-196/572, 5-6=-206/575
 WEBS 3-6=0/91, 3-5=-552/197

NOTES

- 1) 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.
- 2) Refer to girder(s) for truss to truss connections.
- 3) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 81 lb uplift at joint 4, 254 lb uplift at joint 2 and 46 lb uplift at joint 5.

LOAD CASE(S) Standard

Job L209611	Truss HJ9	Truss Type MONO TRUSS	Qty 3	Ply 1	RONALD CLARK CONSTRUCTION (BELL)
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Sep 06 12:03:59 2006 Page 1		



LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	1-0-0	TC 0.60	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.50	Vert(LL) -0.08 6-7 >999 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.54	Vert(TL) -0.13 6-7 >841 180		
BCDL 5.0	Rep Stress Incr NO	(Matrix)	Horz(TL) 0.01 6 n/a n/a		
	Code FBC2004/TPI2002			Weight: 45 lb	

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 5-11-3 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 9-6-2 oc bracing.

REACTIONS

(lb/size) 4=266/Mechanical, 2=439/1-0-1, 6=399/Mechanical
 Max Horz 2=246(load case 2)
 Max Uplift 4=236(load case 2), 2=188(load case 2), 6=85(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-8=0/23, 2-8=0/23, 2-3=-922/198, 3-4=-106/64
 BOT CHORD 2-7=-397/858, 6-7=-397/858, 5-6=0/0
 WEBS 3-7=0/183, 3-6=-890/412

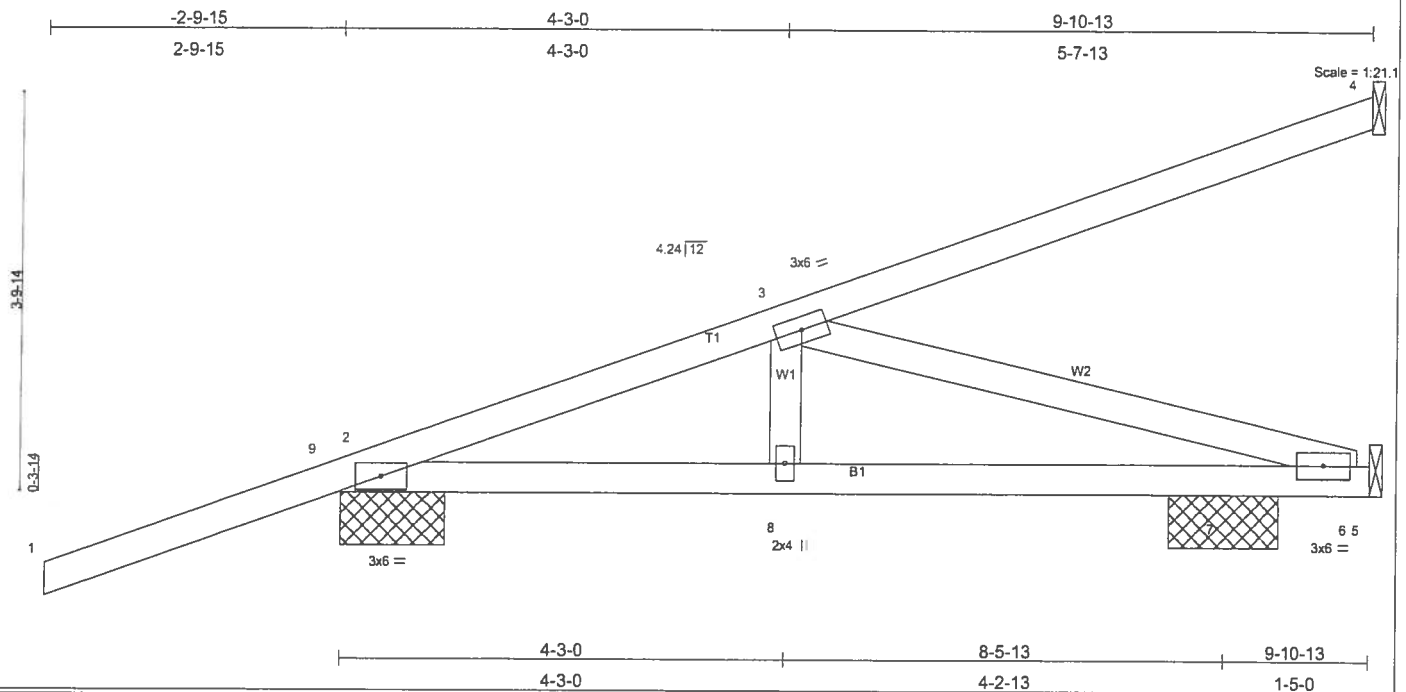
NOTES

- 1) 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.
- 2) Refer to girder(s) for truss to truss connections.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 236 lb uplift at joint 4, 188 lb uplift at joint 2 and 85 lb uplift at joint 6.
- 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: 1-8=27
 Trapezoidal Loads (plf)
 Vert: 8=0(F=13, B=13)-to-4=-134(F=-53, B=-53), 2=-3(F=6, B=6)-to-5=-74(F=-30, B=-30)

Job L209611	Truss HJ9A	Truss Type MONO TRUSS	Qty 1	Ply 1	RONALD CLARK CONSTRUCTION (BELL)
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Sep 06 12:04:00 2006 Page 1		



LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	1-0-0	TC 0.59	in (loc) l/def L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.37	Vert(LL) -0.03 7-8 >999 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.44	Vert(TL) -0.05 7-8 >999 180		
BCDL 5.0	Rep Stress Incr NO	(Matrix)	Horz(TL) 0.01 6 n/a n/a		
	Code FBC2004/TPI2002			Weight: 45 lb	

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

BRACING
 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 9-6-2 oc bracing.

REACTIONS (lb/size) 4=264/Mechanical, 2=402/1-0-1, 6=165/Mechanical, 7=273/1-0-13
 Max Horz 2=246(load case 2)
 Max Uplift 4=236(load case 2), 2=188(load case 2), 6=87(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-9=0/23, 2-9=0/23, 2-3=-753/203, 3-4=-106/64
 BOT CHORD 2-8=-398/705, 7-8=-398/705, 6-7=-398/705, 5-6=0/0
 WEBS 3-8=0/90, 3-6=-731/412

NOTES

- 1) 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.
- 2) Refer to girder(s) for truss to truss connections.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 236 lb uplift at joint 4, 188 lb uplift at joint 2 and 87 lb uplift at joint 6.
- 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: 1-9=-27
 Trapezoidal Loads (plf)
 Vert: 9=0(F=13, B=13)-to-4=-134(F=-53, B=-53), 2=-3(F=6, B=6)-to-5=-74(F=-30, B=-30)

Job L209611	Truss T01	Truss Type HIP	Qty 1	Ply 1	RONALD CLARK CONSTRUCTION (BELL)
Builders FirstSource, Lake City, FL 32055			6,300 s Apr 19 2006 MiTek Industries, Inc. Wed Sep 06 12:10:12 2006 Page 1		

2-0-0	3-9-4	7-0-0	11-0-0	15-0-0	21-8-0	28-4-0	35-0-0	39-0-0	43-0-0	46-2-12	50-0-0	52-0-0
2-0-0	3-9-4	3-2-12	4-0-0	4-0-0	6-8-0	6-8-0	6-8-0	4-0-0	4-0-0	3-2-12	3-9-4	2-0-0

Scale = 1:90 B
Camber = 3/16 in

* Uplift in gravity load case

5-11-14	11-0-0	15-0-0	21-8-0	28-4-0	35-0-0	39-0-0	44-0-2	50-0-0
5-11-14	5-0-2	4-0-0	6-8-0	6-8-0	6-8-0	4-0-0	5-0-2	5-11-14

Plate Offsets (X,Y): [2:0-1-4,0-0-1], [7:0-7-0,0-3-0], [8:0-7-0,0-3-0], [11:0-3-9,0-2-1], [18:0-3-8,Edge], [21:0-3-8,0-1-8]									
LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP				
TCLL 20.0	2-0-0	TC 0.83	in (loc) l/defl L/d	MT20	244/190				
TCCL 7.0	Plates Increase 1.25	BC 0.89	Vert(LL) -0.27 21-22 >999 240						
BCLL 10.0	Lumber Increase 1.25	WB 0.94	Vert(TL) -0.45 21-22 >778 180						
BCDL 5.0	Rep Stress Incr NO	(Matrix)	Horz(TL) 0.05 18 n/a n/a						
	Code FBC2004/TPI2002			Weight: 267 lb					

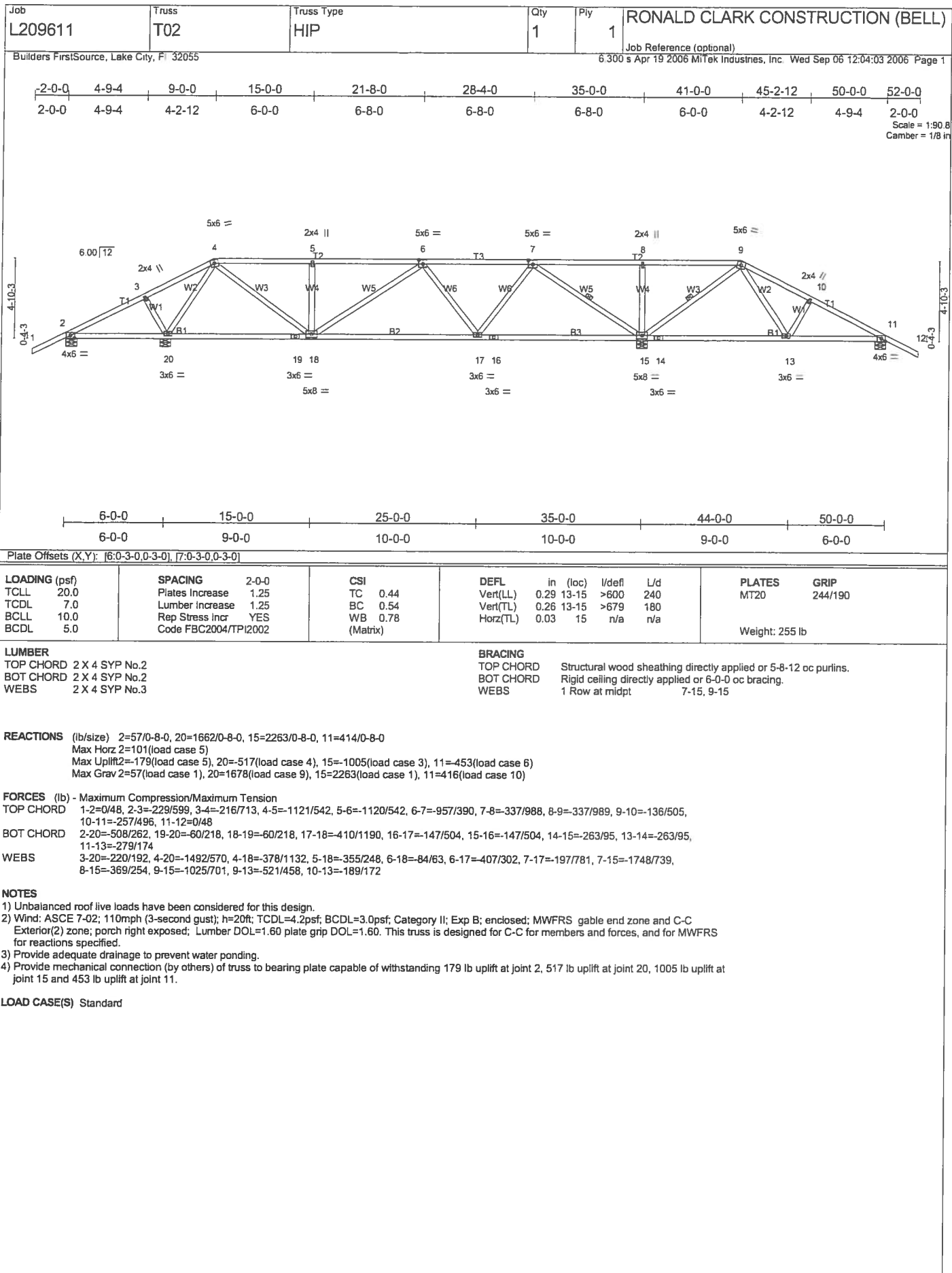
LUMBER TOP CHORD 2 X 4 SYP No.2 "Except" T2 2 X 4 SYP No.1D, T2 2 X 4 SYP No.1D BOT CHORD 2 X 4 SYP No.2 WEBS 2 X 4 SYP No.3 "Except" W6 2 X 4 SYP No.2, W6 2 X 4 SYP No.2, W6 2 X 4 SYP No.2	BRACING TOP CHORD Structural wood sheathing directly applied or 3-1-12 oc purtins. BOT CHORD Rigid ceiling directly applied or 3-4-11 oc bracing. WEBS 1 Row at midpt 4-25 2 Rows at 1/3 pts 8-18
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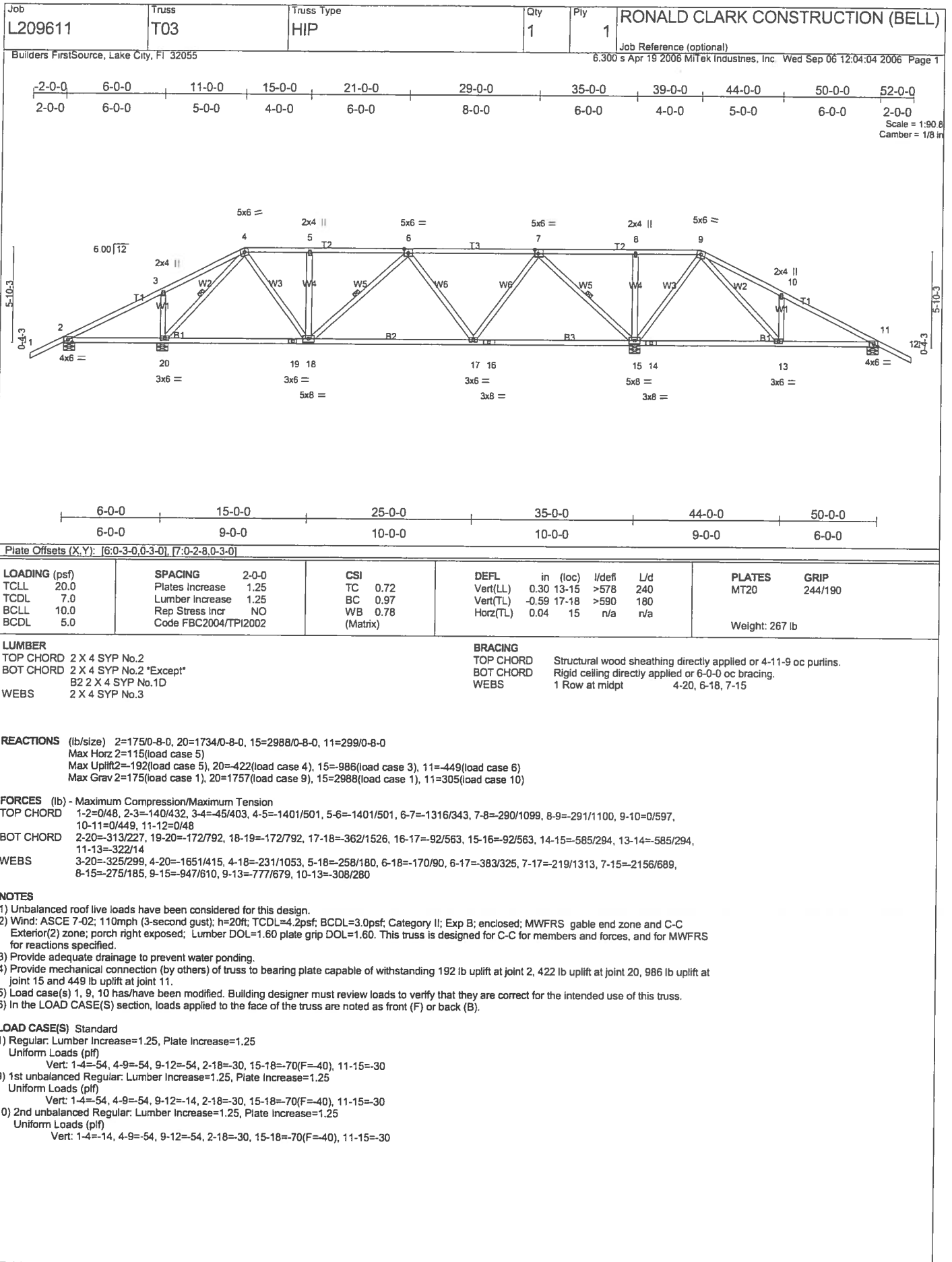
REACTIONS (lb/size) 2=697/0-8-0, 25=4178/0-8-0, 18=4698/0-8-0, 13=619/0-8-0
 Max Horz 2=87(load case 4)
 Max Uplift2=910(load case 9), 25=1850(load case 3), 18=2321(load case 2), 13=508(load case 5)
 Max Grav 2=462(load case 3), 25=4189(load case 8), 18=4700(load case 9), 13=619(load case 1)

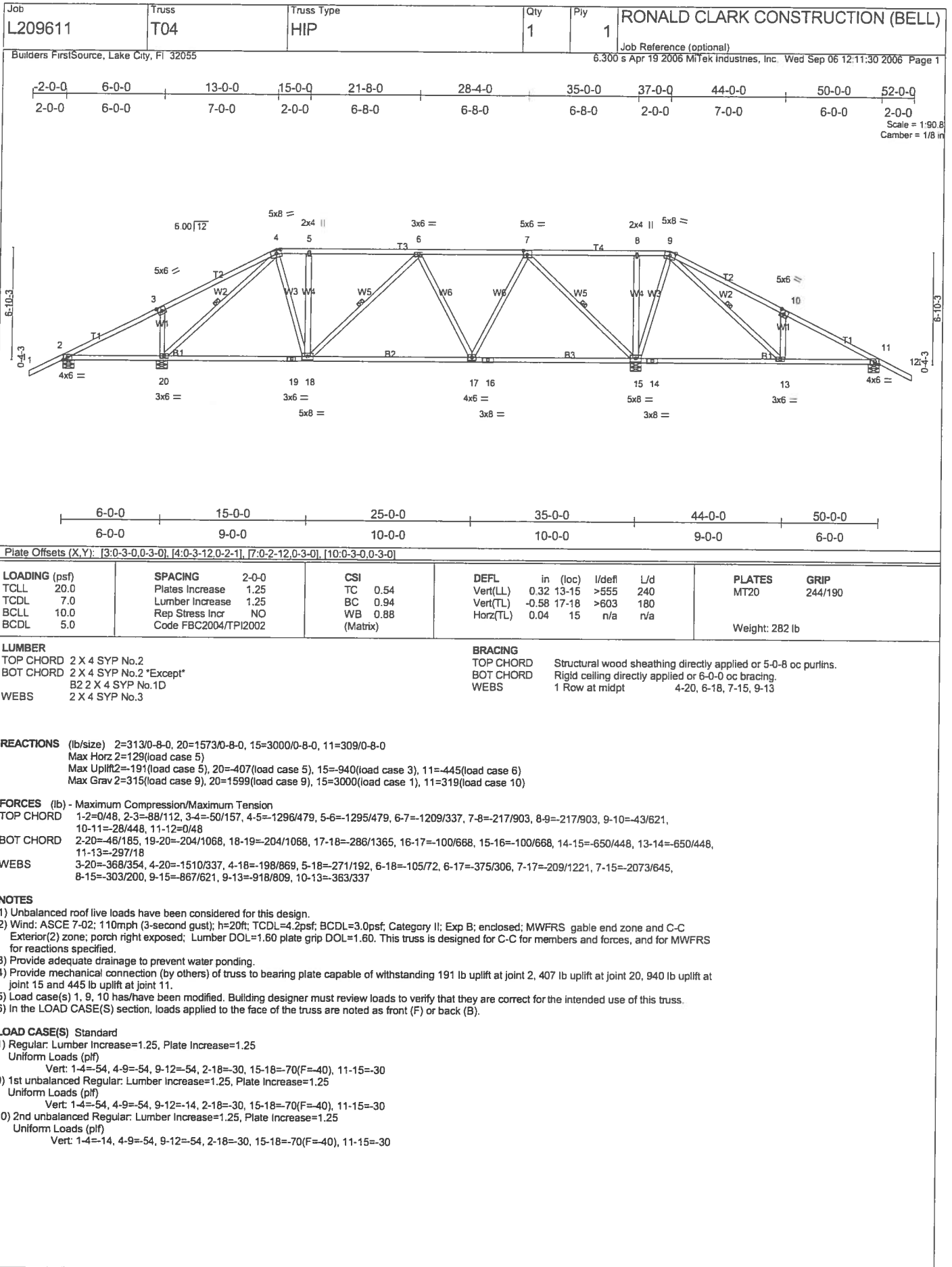
FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/48, 2-3=-1024/2239, 3-4=-1056/2410, 4-5=-1051/573, 5-6=-1051/573, 6-7=-2464/1196, 7-8=-2992/1402, 8-9=-1175/2667,
 9-10=-246/930, 10-11=-247/930, 11-12=-386/487, 12-13=-520/510, 13-14=0/48
 BOT CHORD 2-25=-1925/966, 25-26=-1081/479, 24-26=-1081/479, 23-24=-1098/2464, 22-23=-1098/2464, 21-22=-1309/2992, 20-21=-515/1278,
 19-20=-515/1278, 18-19=-515/1278, 17-18=-2667/1296, 16-17=-2667/1296, 15-16=-269/190, 14-15=-322/426
 WEBS 3-25=-303/151, 4-25=-3765/1917, 4-24=-1244/2836, 5-24=-402/325, 6-24=-1905/839, 6-22=-45/631, 7-22=-598/240, 7-21=-494/511,
 8-21=-907/1960, 8-19=0/411, 8-18=-4436/2012, 9-18=-2231/1382, 9-16=-1287/2358, 10-16=-391/319, 11-16=-1461/726, 11-15=-115/463,
 12-15=-139/89

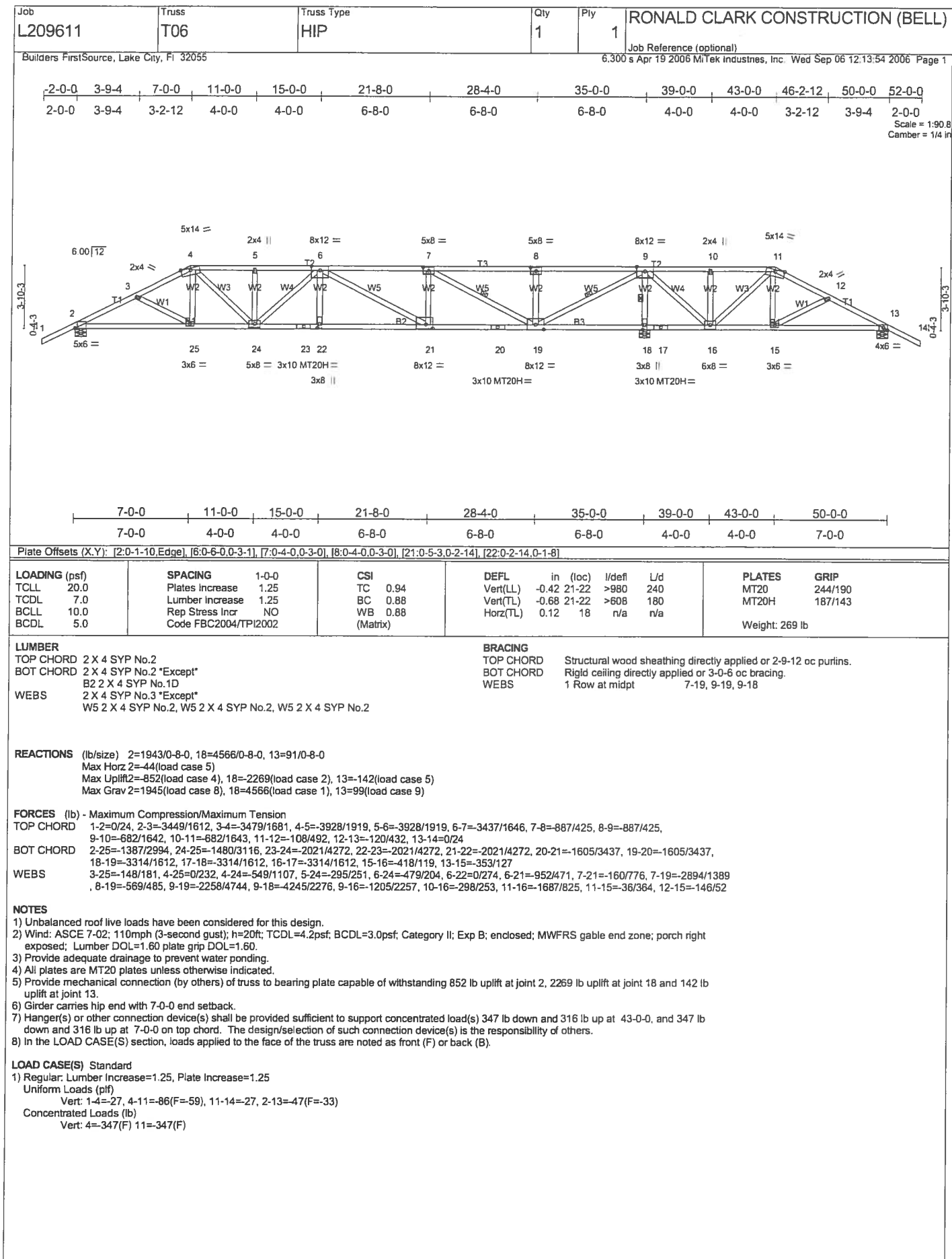
NOTES
 1) Unbalanced roof live loads have been considered for this design.
 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; porch right exposed; Lumber DOL=1.60 plate grip DOL=1.60.
 3) Provide adequate drainage to prevent water ponding.
 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 910 lb uplift at joint 2, 1850 lb uplift at joint 25, 2321 lb uplift at joint 18 and 508 lb uplift at joint 13.
 5) Girder carries hip end with 7-0-0 end setback.
 6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 347 lb down and 316 lb up at 43-0-0, and 347 lb down and 316 lb up at 7-0-0 on top chord. The design/selection of such connection device(s) is the responsibility of others.
 7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
 1) Regular: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-4=-54, 4-11=-113(F=-59), 11-14=-54, 2-13=-63(F=-33)
 Concentrated Loads (lb)
 Vert: 4=-347(F) 11=-347(F)









Job L209611	Truss T07	Truss Type HIP	Qty 1	Ply 1	RONALD CLARK CONSTRUCTION (BELL)
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Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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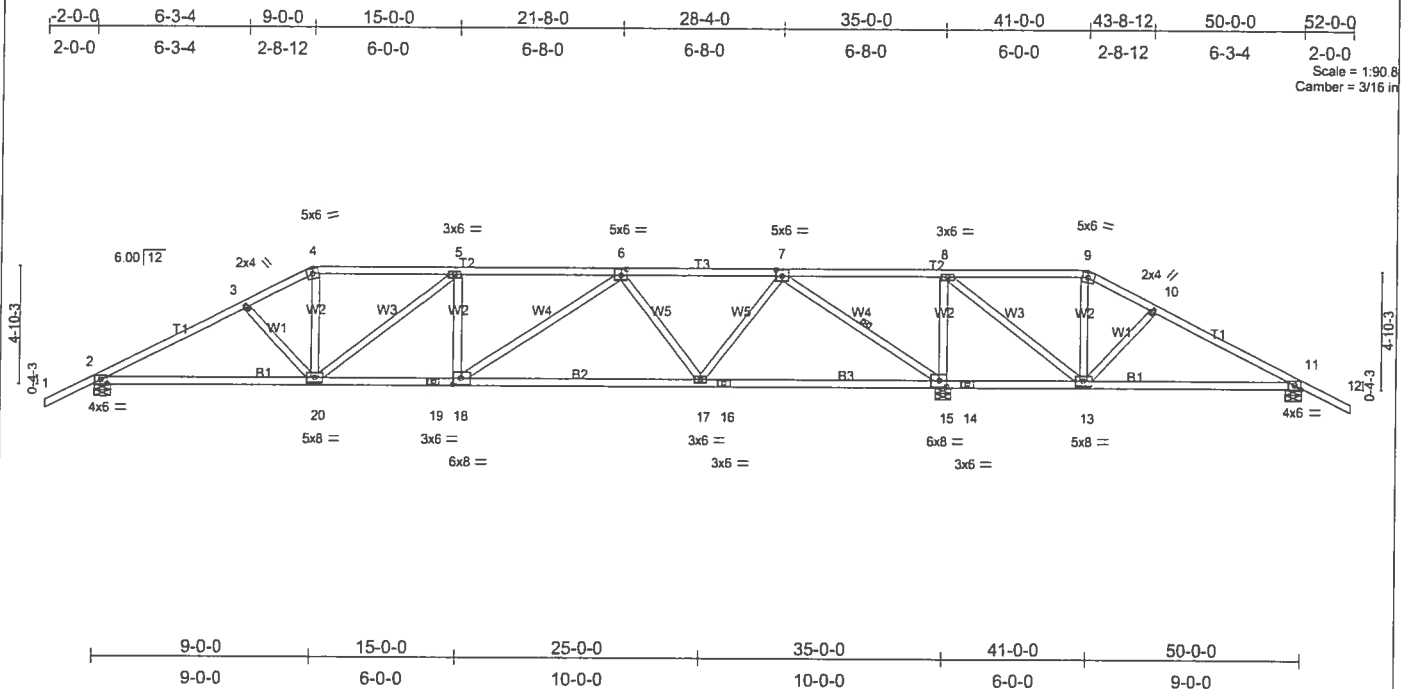


Plate Offsets (X,Y): [6:0-2-12,0-3-0], [7:0-2-12,0-3-0], [15:0-3-8,0-3-0], [18:0-3-8,0-3-0]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.56	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.66	Vert(LL) 0.24 11-13 >737 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.82	Vert(TL) -0.51 17-18 >809 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.08 15 n/a n/a		
	Code FBC2004/TPI2002			Weight: 256 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 4-0-3 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 4-7-5 oc bracing.
 WEBS 1 Row at midpt 7-15

REACTIONS (lb/size) 2=1368/0-8-0, 15=2793/0-8-0, 11=235/0-8-0

Max Horz 2=101(load case 5)
 Max Uplift 2=492(load case 5), 15=1112(load case 3), 11=435(load case 6)
 Max Grav 2=1375(load case 9), 15=2793(load case 1), 11=264(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/48, 2-3=-2125/848, 3-4=-1941/809, 4-5=-1720/761, 5-6=-2080/907, 6-7=-1159/503, 7-8=-502/1572, 8-9=-63/583, 9-10=-86/645,
 10-11=-98/600, 11-12=0/48

BOT CHORD 2-20=-568/1827, 19-20=-671/2080, 18-19=-671/2080, 17-18=-568/1644, 16-17=-144/439, 15-16=-144/439, 14-15=-1572/812,
 13-14=-1572/812, 11-13=-500/127

WEBS 3-20=-185/179, 4-20=-194/637, 5-20=-530/263, 5-18=-79/139, 6-18=-172/541, 6-17=-830/444, 7-17=-356/1229, 7-15=-2381/962,
 8-15=-1215/801, 8-13=-871/1367, 9-13=-441/150, 10-13=-277/262

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCCL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; 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.
- Provide adequate drainage to prevent water ponding.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 492 lb uplift at joint 2, 1112 lb uplift at joint 15 and 435 lb uplift at joint 11.

LOAD CASE(S) Standard

Job L209611	Truss T08	Truss Type HIP	Qty 1	Ply 1	RONALD CLARK CONSTRUCTION (BELL)
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Builders FirstSource, Lake City, FL 32055

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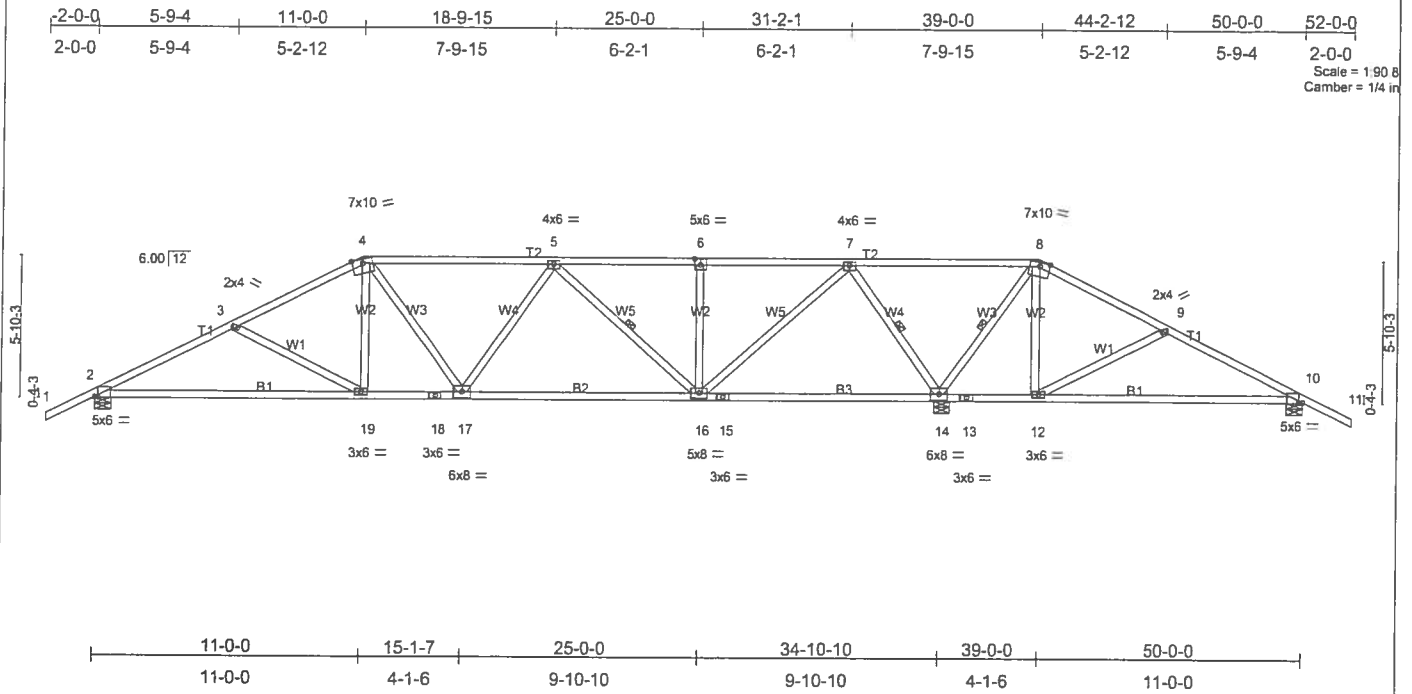


Plate Offsets (X,Y): [2:0-1-11,Edge], [6:0-3-0-0-3-0], [10:0-1-11,Edge]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.58	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.70	Vert(LL) 0.50 10-12 >353 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.75	Vert(TL) 0.38 10-12 >468 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.06 14 n/a n/a		
	Code FBC2004/TPI2002				Weight: 263 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 3-10-0 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
 WEBS 1 Row at midpt 5-16, 7-14, 8-14

REACTIONS (lb/size) 2=1357/0-8-0, 14=2807/0-8-0, 10=232/0-8-0

Max Horz 2=115(load case 5)
 Max Uplift 2=501(load case 5), 14=1058(load case 3), 10=430(load case 6)
 Max Grav 2=1372(load case 9), 14=2807(load case 1), 10=279(load case 10)

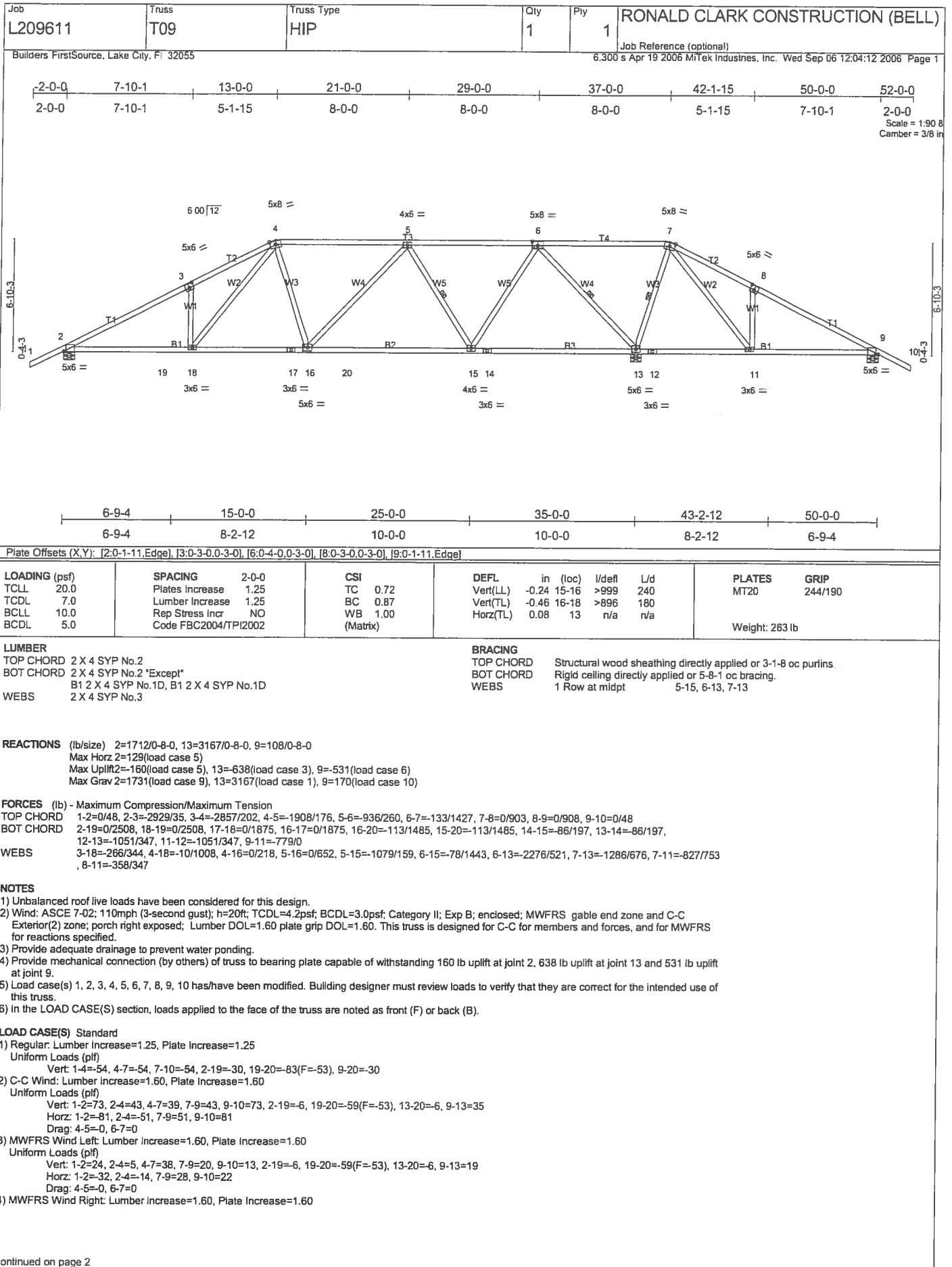
FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/48, 2-3=2102/860, 3-4=1826/739, 4-5=1630/722, 5-6=977/442, 6-7=977/442, 7-8=484/1399, 8-9=156/763, 9-10=144/654, 10-11=0/48
 BOT CHORD 2-19=584/1818, 18-19=436/1590, 17-18=436/1590, 16-17=509/1553, 15-16=360/376, 14-15=360/376, 13-14=650/273, 12-13=650/273, 10-12=542/163
 WEBS 3-19=269/244, 4-19=53/369, 4-17=102/159, 5-17=18/157, 5-16=795/393, 6-16=289/212, 7-16=615/1712, 7-14=1870/842, 8-14=1339/959, 8-12=507/409, 9-12=368/363

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 3) Provide adequate drainage to prevent water ponding.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 501 lb uplift at joint 2, 1058 lb uplift at joint 14 and 430 lb uplift at joint 10.

LOAD CASE(S) Standard



Continued on page 2

Job L209611	Truss T09	Truss Type HIP	Qty 1	Ply 1	RONALD CLARK CONSTRUCTION (BELL) Job Reference (optional)
Builders FirstSource, Lake City, FL 32055			6.300 s Apr 19 2006 Mitek Industries, Inc. Wed Sep 06 12:04:12 2006 Page 2		

LOAD CASE(S) Standard

Uniform Loads (plf)

Vert: 1-2=13, 2-4=20, 4-7=38, 7-9=5, 9-10=24, 2-19=-6, 19-20=-59(F=-53), 13-20=-6, 9-13=19
 Horz: 1-2=-22, 2-4=-28, 7-9=14, 9-10=32
 Drag: 4-5=0, 6-7=0

5) MWFRS 1st Wind Parallel: Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-2=56, 2-4=38, 4-7=24, 7-9=24, 9-10=17, 2-19=-6, 19-20=-59(F=-53), 13-20=-6, 9-13=19
 Horz: 1-2=-65, 2-4=-46, 7-9=32, 9-10=25
 Drag: 4-5=0, 6-7=0

6) MWFRS 2nd Wind Parallel: Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-2=17, 2-4=24, 4-7=24, 7-9=38, 9-10=56, 2-19=-6, 19-20=-59(F=-53), 13-20=-6, 9-13=19
 Horz: 1-2=-25, 2-4=-32, 7-9=46, 9-10=65
 Drag: 4-5=0, 6-7=0

7) MWFRS 3rd Wind Parallel: Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-2=36, 2-4=18, 4-7=12, 7-9=12, 9-10=5, 2-19=-6, 19-20=-59(F=-53), 13-20=-6, 9-13=19
 Horz: 1-2=-45, 2-4=-26, 7-9=20, 9-10=14
 Drag: 4-5=0, 6-7=0

8) MWFRS 4th Wind Parallel: Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-2=5, 2-4=12, 4-7=12, 7-9=18, 9-10=36, 2-19=-6, 19-20=-59(F=-53), 13-20=-6, 9-13=19
 Horz: 1-2=-14, 2-4=-20, 7-9=26, 9-10=45
 Drag: 4-5=0, 6-7=0

9) 1st unbalanced Regular: Lumber Increase=1.25, Plate Increase=1.25

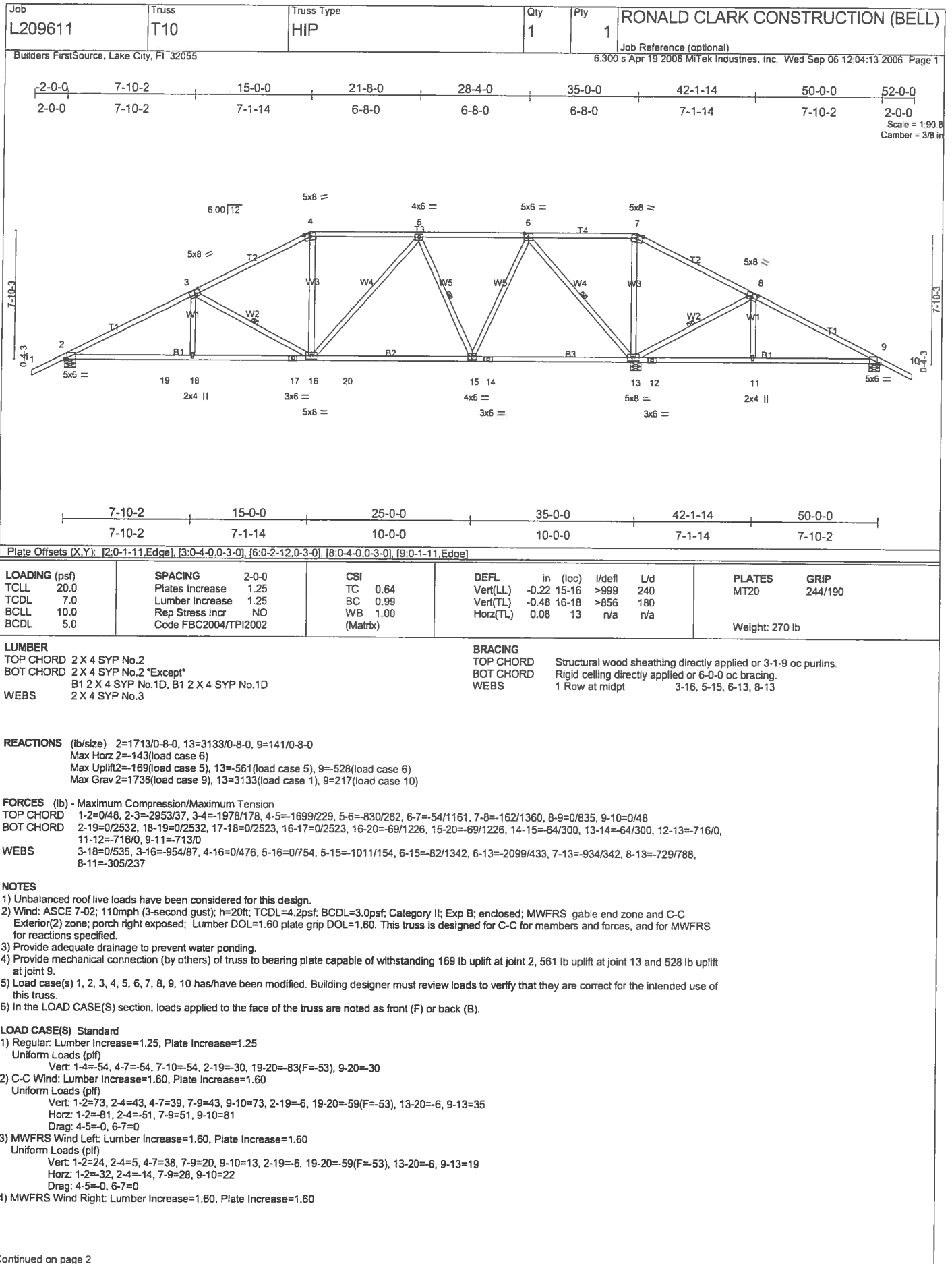
Uniform Loads (plf)

Vert: 1-4=-54, 4-7=-54, 7-10=-14, 2-19=-30, 19-20=-83(F=-53), 9-20=-30

10) 2nd unbalanced Regular: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-4=-14, 4-7=-54, 7-10=-54, 2-19=-30, 19-20=-83(F=-53), 9-20=-30



Continued on page 2

Job L209611	Truss T10	Truss Type HIP	Qty 1	Ply 1	RONALD CLARK CONSTRUCTION (BELL) Job Reference (optional)
Builders FirstSource, Lake City, FL 32055			6.300 s Apr 19 2006 Mittek Industries, Inc. Wed Sep 06 12:04:13 2006 Page 2		

LOAD CASE(S) Standard

Uniform Loads (plf)

Vert: 1-2=13, 2-4=20, 4-7=38, 7-9=5, 9-10=24, 2-19=-6, 19-20=-59(F=-53), 13-20=-6, 9-13=19
 Horz: 1-2=-22, 2-4=-28, 7-9=14, 9-10=32
 Drag: 4-5=-0, 6-7=0

5) MWFRS 1st Wind Parallel: Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-2=56, 2-4=38, 4-7=24, 7-9=24, 9-10=17, 2-19=-6, 19-20=-59(F=-53), 13-20=-6, 9-13=19
 Horz: 1-2=-65, 2-4=-46, 7-9=32, 9-10=25
 Drag: 4-5=-0, 6-7=0

6) MWFRS 2nd Wind Parallel: Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-2=17, 2-4=24, 4-7=24, 7-9=38, 9-10=56, 2-19=-6, 19-20=-59(F=-53), 13-20=-6, 9-13=19
 Horz: 1-2=-25, 2-4=-32, 7-9=46, 9-10=65
 Drag: 4-5=-0, 6-7=0

7) MWFRS 3rd Wind Parallel: Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-2=36, 2-4=18, 4-7=12, 7-9=12, 9-10=5, 2-19=-6, 19-20=-59(F=-53), 13-20=-6, 9-13=19
 Horz: 1-2=-45, 2-4=-26, 7-9=20, 9-10=14
 Drag: 4-5=-0, 6-7=0

8) MWFRS 4th Wind Parallel: Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-2=5, 2-4=12, 4-7=12, 7-9=18, 9-10=36, 2-19=-6, 19-20=-59(F=-53), 13-20=-6, 9-13=19
 Horz: 1-2=-14, 2-4=-20, 7-9=26, 9-10=45
 Drag: 4-5=-0, 6-7=0

9) 1st unbalanced Regular: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-4=-54, 4-7=-54, 7-10=-14, 2-19=-30, 19-20=-83(F=-53), 9-20=-30

10) 2nd unbalanced Regular: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

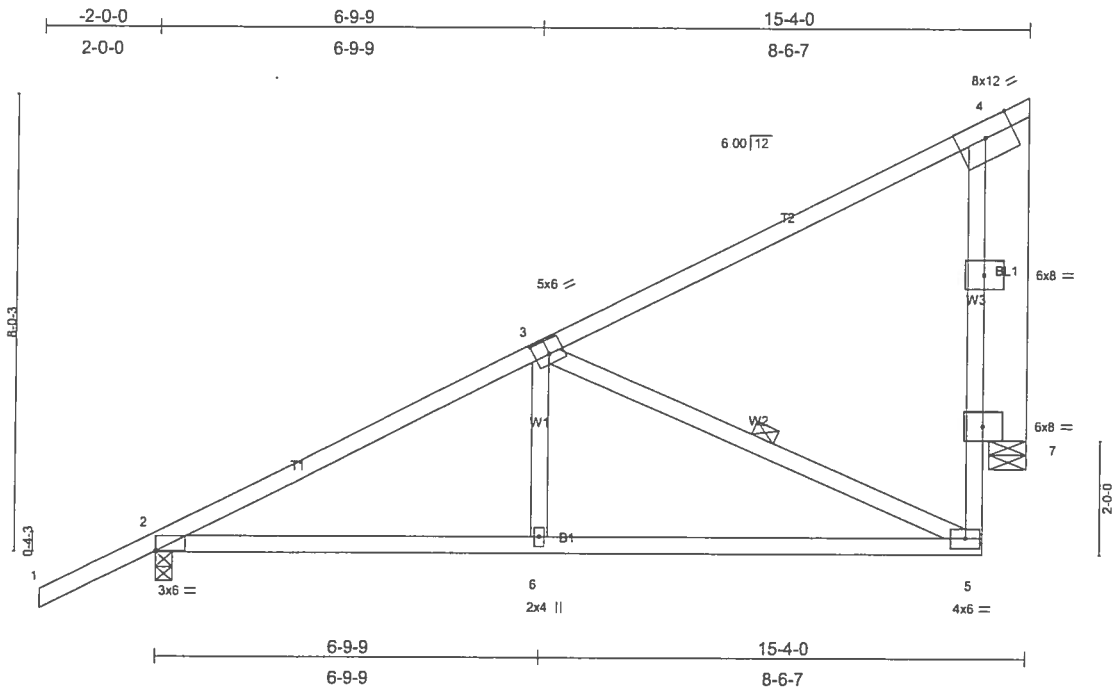
Vert: 1-4=-14, 4-7=-54, 7-10=-54, 2-19=-30, 19-20=-83(F=-53), 9-20=-30

Job L209611	Truss T11	Truss Type MONO TRUSS	Qty 11	Ply 1	RONALD CLARK CONSTRUCTION (BELL)
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Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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Scale = 1/32

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

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.47	Vert(LL)	0.20	5-6	>875	240	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.33	Vert(TL)	0.17	5-6	>999	180		
BCLL 10.0	Lumber Increase 1.25	WB 0.25	Horz(TL)	0.02	7	n/a	n/a		
BCDL 5.0	Rep Stress Incr YES	(Matrix)							
	Code FBC2004/TPI2002								
								Weight: 100 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 10 SYP No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 6-1-11 oc bracing.
 WEBS 1 Row at midpt 3-5

REACTIONS (lb/size) 2=724/0-3-8, 7=599/0-8-0
 Max Horz 2=400(load case 5)
 Max Uplift 2=450(load case 5), 7=486(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/47, 2-3=879/736, 3-4=-147/41, 5-7=-591/409, 4-7=-188/197
 BOT CHORD 2-6=947/716, 5-6=947/716
 WEBS 3-6=420/240, 3-5=-732/971

NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) Bearing at joint(s) 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 450 lb uplift at joint 2 and 486 lb uplift at joint 7.

LOAD CASE(S) Standard

Job L209611	Truss T12	Truss Type MONO TRUSS	Qty 1	Ply 1	RONALD CLARK CONSTRUCTION (BELL)
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Builders FirstSource, Lake City, FL 32055

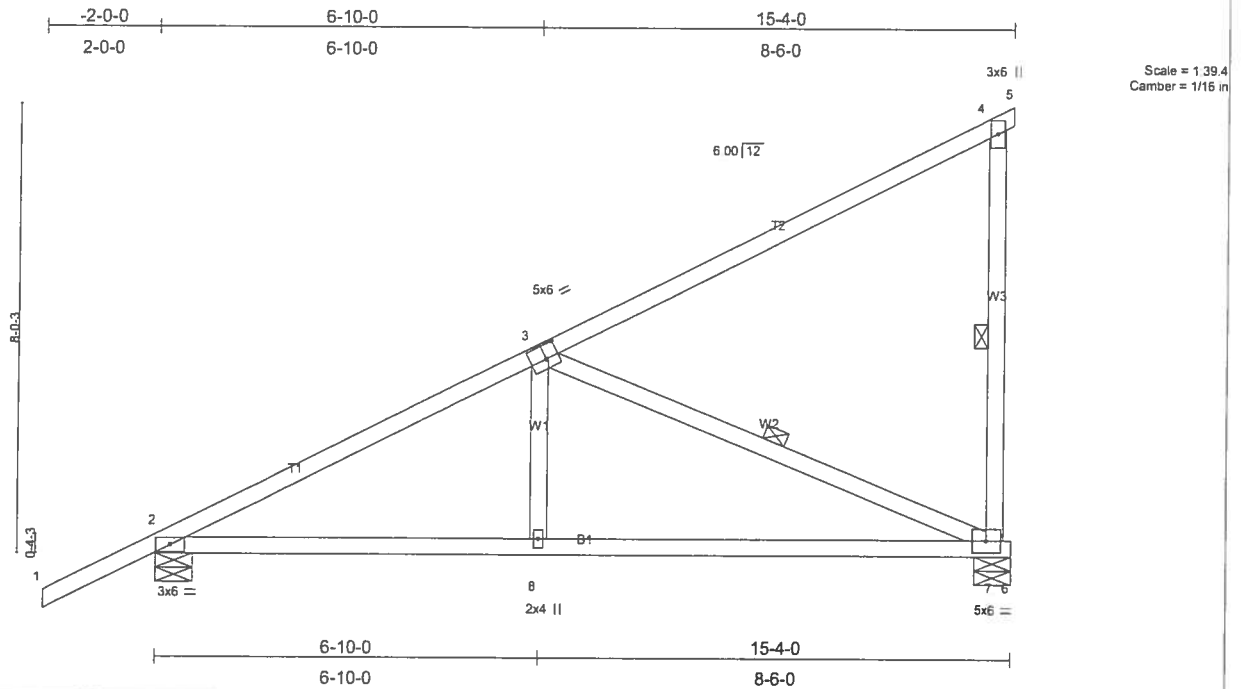
Job Reference (optional)
6.300 s Apr 19 2006 Mitek industries, Inc. Wed Sep 06 12:04:15 2006 Page 1

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

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.71	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.33	Vert(LL) 0.27 7-8 >646 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.30	Vert(TL) 0.23 7-8 >759 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) -0.02 7 n/a n/a		
	Code FBC2004/TP12002			Weight: 80 lb	

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

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

REACTIONS (lb/size) 7=621/0-8-0, 2=754/0-8-0
 Max Horz 2=416(load case 5)
 Max Uplift 7=505(load case 5), 2=469(load case 5)

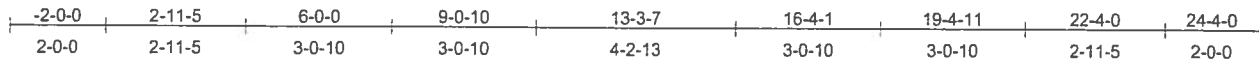
FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/48, 2-3=-920/784, 3-4=-152/45, 4-5=-2/0, 4-7=-190/194
 BOT CHORD 2-8=-1000/751, 7-8=-994/748, 6-7=0/0
 WEBS 3-8=-428/240, 3-7=-766/1019

NOTES

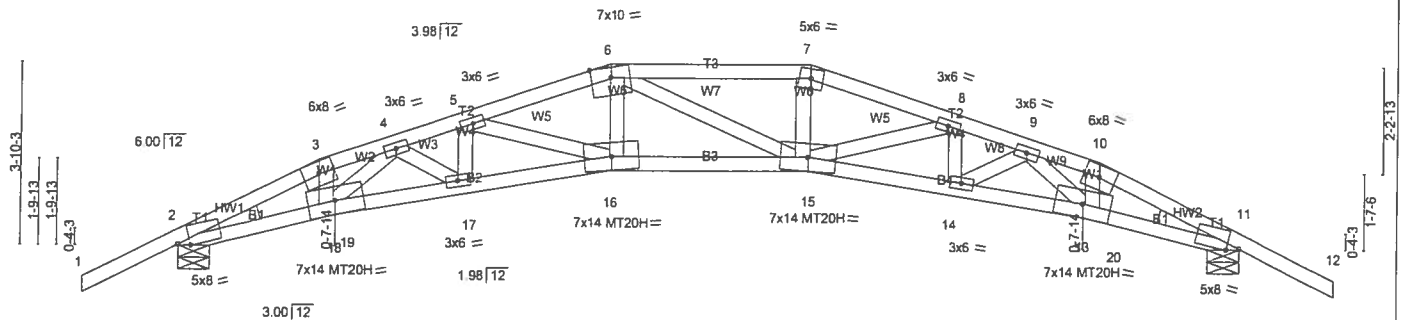
- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 505 lb uplift at joint 7 and 469 lb uplift at joint 2.

LOAD CASE(S) Standard

Job L209611	Truss T13	Truss Type SPECIAL	Qty 1	Ply 1	RONALD CLARK CONSTRUCTION (BELL)
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.300 s Apr 19 2006 Mitek Industries, Inc. Wed Sep 06 12:04:17 2006 Page 1		



Scale = 1/4\"/>



2-11-5	3-3-8	6-0-0	9-0-14	9-1-1	13-2-14	13-3-1	16-1-12	19-0-9	19-4-11	22-4-0
2-11-5	0-4-3	2-8-7	3-0-15	0-0-2	4-1-14	0-0-2	2-10-11	2-10-13	0-4-3	2-11-5

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

LOADING (psf)	SPACING	CSI	DEFL	Weight: 115 lb
TCLL 20.0	Plates Increase 1.25	TC 0.54	in (loc) l/defl L/d	
TCCL 7.0	Lumber Increase 1.25	BC 1.00	Vert(LL) -0.51 15-16 >505 240	
BCCL 10.0	Rep Stress Incr NO	WB 0.52	Vert(TL) -0.82 15-16 >315 180	
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)	Horz(TL) 0.50 11 n/a n/a	

LUMBER

TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.10
WEBS 2 X 4 SYP No.3
WEDGE
Left: 2 X 4 SYP No.3, Right: 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 2-2-14 oc purlins.
BOT CHORD Rigid ceiling directly applied or 4-9-11 oc bracing.

REACTIONS (lb/size) 2=1948/0-8-0, 11=1948/0-8-0
Max Horz 2=85(load case 4)
Max Uplift 2=-766(load case 4), 11=-766(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/45, 2-3=5106/1669, 3-4=4957/1644, 4-5=6168/2141, 5-6=6159/2141, 6-7=5854/2047, 7-8=6155/2124, 8-9=6162/2125, 9-10=4950/1629, 10-11=5099/1655, 11-12=0/45
BOT CHORD 2-19=-1417/4411, 18-19=-1417/4424, 17-18=-1840/5511, 16-17=-1973/5955, 15-16=-1904/5852, 14-15=-1942/5949, 13-14=-1798/5476, 13-20=-1388/4417, 11-20=-1387/4404
WEBS 5-17=-86/63, 5-16=-46/171, 6-16=-510/1621, 6-15=-160/165, 7-15=-496/1619, 8-15=-45/173, 8-14=-88/64, 3-18=-366/1105, 10-13=-367/1110, 4-17=-174/506, 4-18=-1064/442, 9-14=-184/530, 9-13=-1045/434

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.
- All plates are MT20 plates unless otherwise indicated.
- Bearing at joint(s) 2, 11 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 766 lb uplift at joint 2 and 766 lb uplift at joint 11.
- Girder carries tie-in span(s): 7-0-0 from 9-0-10 to 13-3-7; 3-3-0 at 2-11-5 to 7-3-0 at 9-0-10; 7-3-0 at 13-3-7 to 3-3-0 at 19-4-11.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 50 lb down and 19 lb up at 2-11-5, 95 lb down and 36 lb up at 9-0-10, and 95 lb down and 36 lb up at 13-3-7, and 50 lb down and 19 lb up at 19-4-11 on top chord, and 50 lb down and 19 lb up at 2-11-5, 194 lb down and 73 lb up at 9-0-14, and 194 lb down and 73 lb up at 13-3-1, and 50 lb down and 19 lb up at 19-4-11 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-3=-54, 3-6=-54, 6-7=-54, 7-10=-54, 10-12=-54, 2-19=-30, 15-16=-121(F=91), 11-20=-30

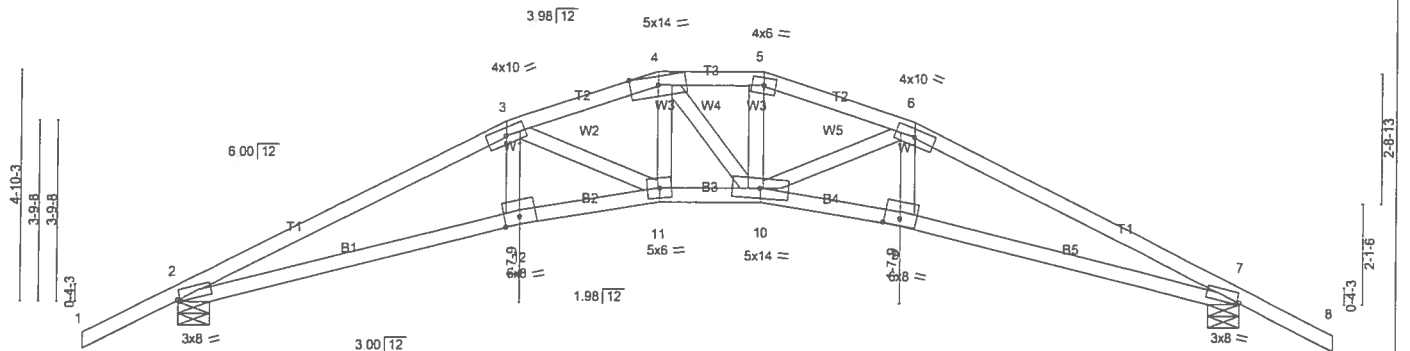
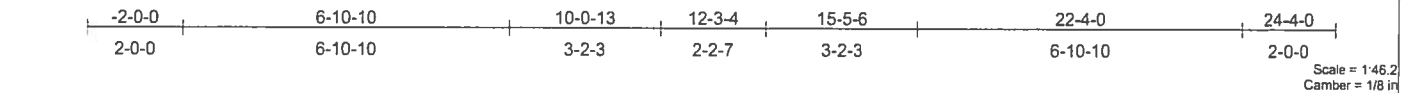
Concentrated Loads (lb)

Vert: 3=-50(F) 6=-95(F) 7=-95(F) 10=-50(F) 16=-194(F) 15=-194(F) 19=-50(F) 20=-50(F)

Trapezoidal Loads (plf)

Vert: 19=-42(F=-12)-to-18=-47(F=-17), 18=-47(F=-17)-to-16=-126(F=-96), 15=-126(F=-96)-to-13=-47(F=-17), 13=-47(F=-17)-to-20=-42(F=-12)

Job L209611	Truss T14	Truss Type SPECIAL	Qty 1	Ply 1	RONALD CLARK CONSTRUCTION (BELL)
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Sep 06 12:04:18 2006 Page 1		



7-2-6	10-1-6	12-2-9	15-1-13	22-4-0
7-2-6	2-11-0	2-1-4	2-11-4	7-2-3

Plate Offsets (X,Y): [2-0-0-10,Edge], [7-0-0-10,Edge], [9-0-4-0,0-1-12], [12-0-4-0,0-1-12]

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.38	Vert(LL)	-0.20	10-11	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.55	Vert(TL)	-0.33	10-11	>799	180		
BCLL 10.0	Rep Stress Incr YES	WB 0.17	Horz(TL)	0.24	7	n/a	n/a		
BCDL 5.0	Code FBC2004/TP12002	(Matrix)							
									Weight: 103 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 3-6-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-3-6 oc bracing.

REACTIONS (lb/size) 2=1036/0-8-0, 7=1036/0-8-0
Max Horz 2=-99(load case 6)
Max Uplift 2=427(load case 5), 7=427(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-2557/842, 3-4=-2074/732, 4-5=-1942/708, 5-6=-2078/732, 6-7=-2555/842, 7-8=0/45
BOT CHORD 1-2=-580/2266, 11-12=-570/2263, 10-11=-401/1936, 9-10=-570/2260, 7-9=-580/2264
WEBS 4-11=-159/539, 4-10=-99/114, 5-10=-158/539, 3-12=-6/363, 6-9=-6/360, 3-11=-386/187, 6-10=-378/192

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 3) Provide adequate drainage to prevent water ponding.
- 4) Bearing at joint(s) 2, 7 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 427 lb uplift at joint 2 and 427 lb uplift at joint 7.

LOAD CASE(S) Standard

Job L209611	Truss T15	Truss Type SPECIAL	Qty 1	Ply 1	RONALD CLARK CONSTRUCTION (BELL)
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Sep 06 12:04:19 2006 Page 1		

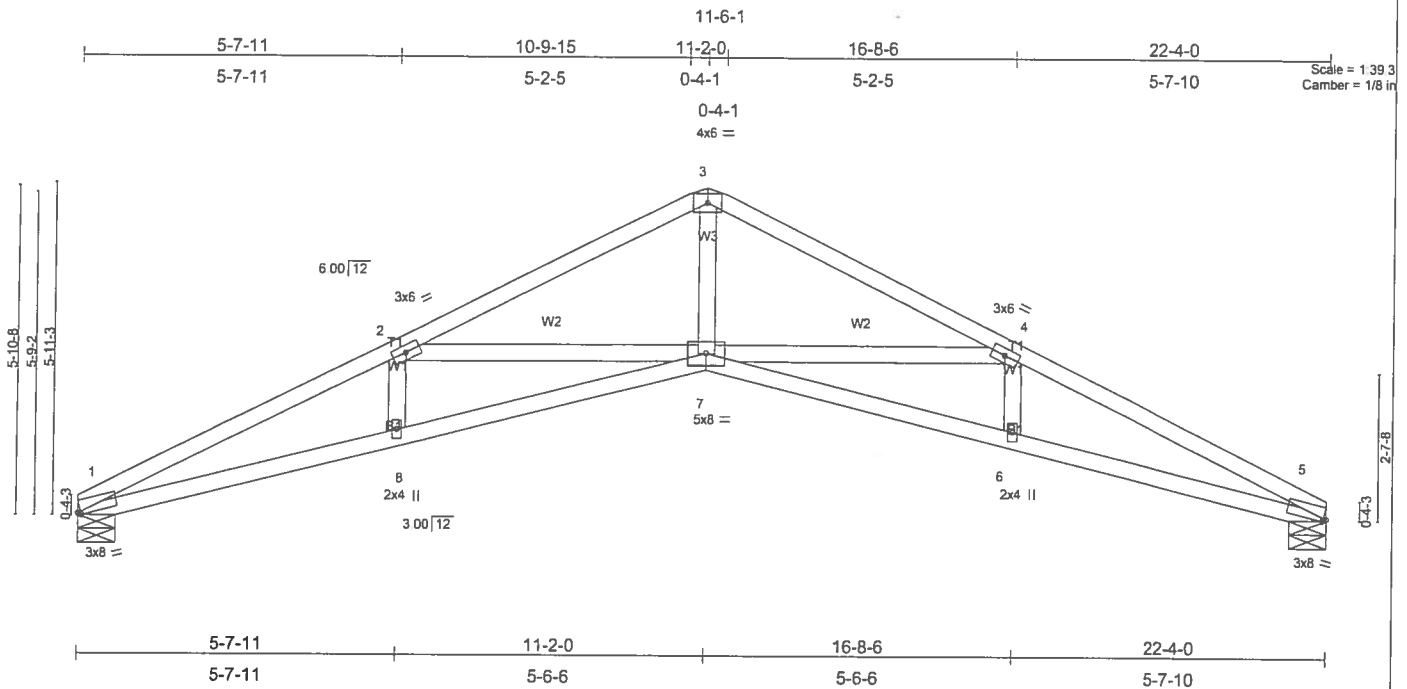


Plate Offsets (X,Y) [1:0-0-10,Edge], [4:0-0-0,0-0-0], [5:0-0-10,Edge], [6:0-0-0,0-0-0]

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.28	Vert(LL)	-0.22	6-7	>999	240	MT20	244/190
TCCL 7.0	Plates Increase 1.25	BC 0.60	Vert(TL)	-0.36	6-7	>727	180		
BCLL 10.0	Lumber Increase 1.25	WB 0.45	Horz(TL)	0.26	5	n/a	n/a		
BCCL 5.0	Rep Stress Incr YES	(Matrix)							
	Code FBC2004/TPI2002								
								Weight: 96 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 3-6-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-4-7 oc bracing.

REACTIONS (lb/size) 1=910/0-8-0, 5=910/0-8-0

Max Horz 1=-83(load case 3)

Max Uplift 1=-295(load case 5), 5=-295(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-2732/1134, 2-3=-1990/794, 3-4=-1989/794, 4-5=-2731/1134

BOT CHORD 1-8=-947/2442, 7-8=-945/2441, 6-7=-944/2440, 5-6=-946/2441

WEBS 2-8=0/169, 2-7=-695/430, 3-7=-462/1406, 4-6=0/169, 4-7=-695/430

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCCL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; end vertical 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.
- Bearing at joint(s) 1, 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 295 lb uplift at joint 1 and 295 lb uplift at joint 5.

LOAD CASE(S) Standard

Job L209611	Truss T16	Truss Type SPECIAL	Qty 5	Ply 1	RONALD CLARK CONSTRUCTION (BELL)
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Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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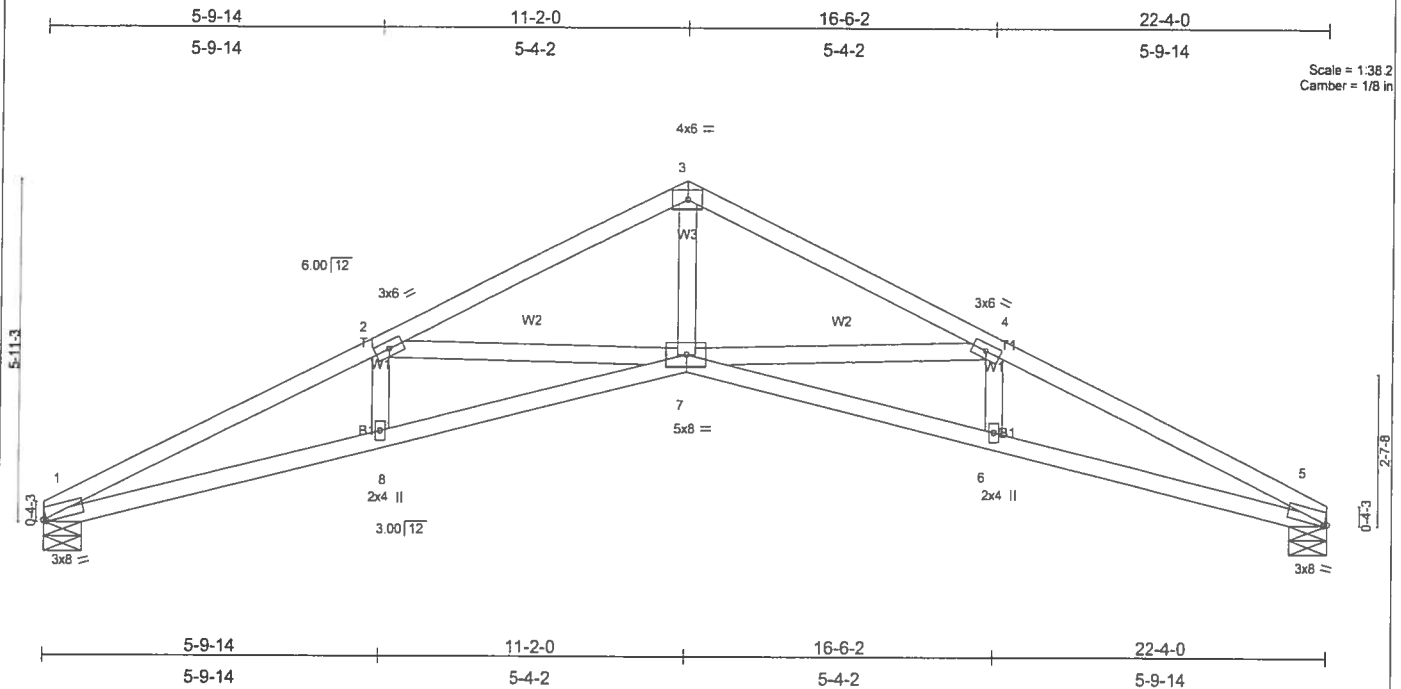


Plate Offsets (X,Y): [1:0-0-10,Edge], [4:0-0-0,0-0-0], [5:0-0-10,Edge], [6:0-0-0,0-0-0]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.30	Vert(LL)	-0.22	6-7	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.62	Vert(TL)	-0.35	6-7	>734	180		
BCLL 10.0	Rep Stress Incr	YES	WB 0.45	Horz(TL)	0.26	5	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI(2002)		(Matrix)							
									Weight: 95 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 3-6-11 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 6-4-8 oc bracing.

REACTIONS (lb/size) 1=910/0-8-0, 5=910/0-8-0

Max Horz 1=83(load case 4)

Max Uplift 1=295(load case 5), 5=295(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-2721/1128, 2-3=-1978/792, 3-4=-1979/792, 4-5=-2722/1128

BOT CHORD 1-8=-939/2433, 7-8=-936/2430, 6-7=-936/2430, 5-6=-939/2433

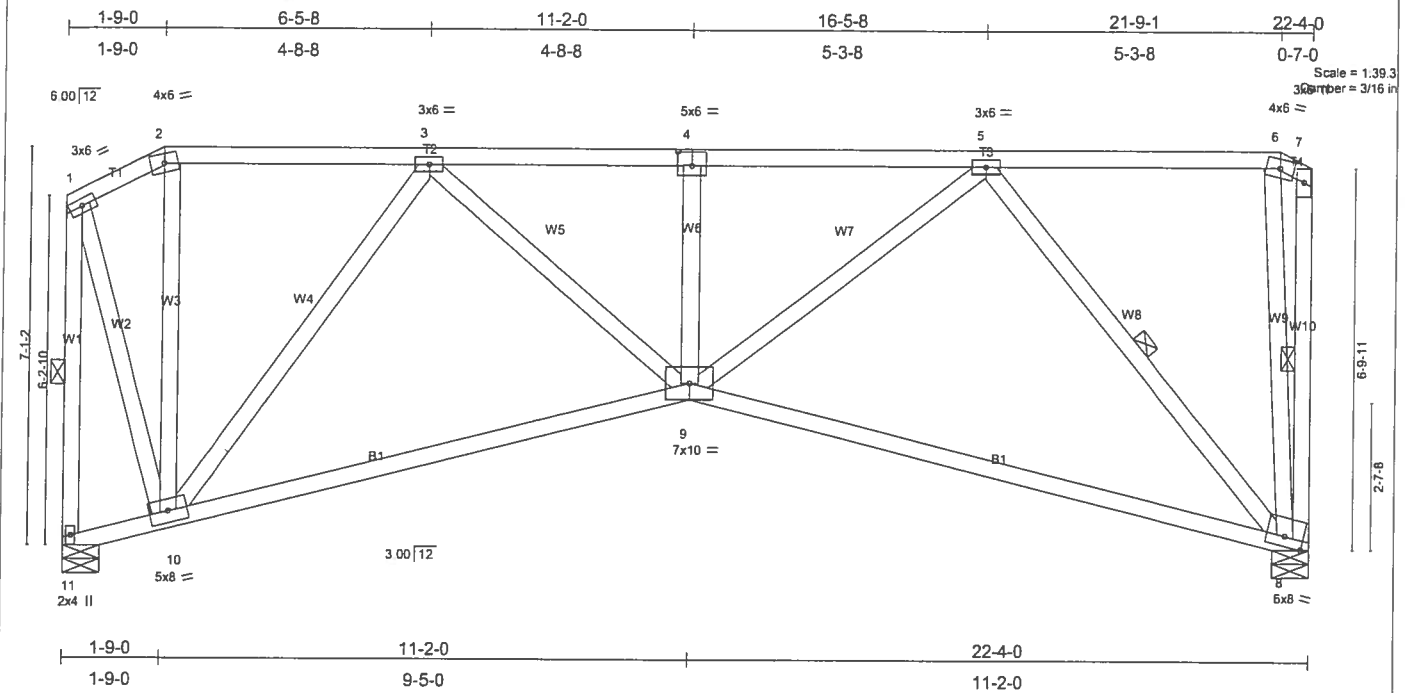
WEBS 2-8=0/173, 2-7=-690/428, 3-7=-473/1414, 4-7=-690/428, 4-6=0/173

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.
- Bearing at joint(s) 1, 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 295 lb uplift at joint 1 and 295 lb uplift at joint 5.

LOAD CASE(S) Standard

Job L209611	Truss T17	Truss Type SPECIAL	Qty 1	Ply 1	RONALD CLARK CONSTRUCTION (BELL)
Builders FirstSource, Lake City, Fl 32055			Job Reference (optional) 6.300 s Apr 19 2006 M/Tek Industries, Inc. Wed Sep 06 12:04:21 2006 Page 1		

**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 0.53
WB 0.97
(Matrix)

DEFL

in (loc) l/defl L/d
Vert(LL) -0.27 8-9 >969 240
Vert(TL) -0.47 8-9 >559 180
Horz(TL) 0.07 8 n/a n/a

PLATES

MT20

GRIP

244/190

Weight: 162 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 5-5-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 1-11, 7-8, 5-8

REACTIONS

(lb/size) 11=914/0-8-0, 8=929/0-8-0
Max Horz 11=30(load case 5)
Max Uplift 11=311(load case 4), 8=347(load case 4)
Max Grav 11=914(load case 9), 8=929(load case 1)

FORCES

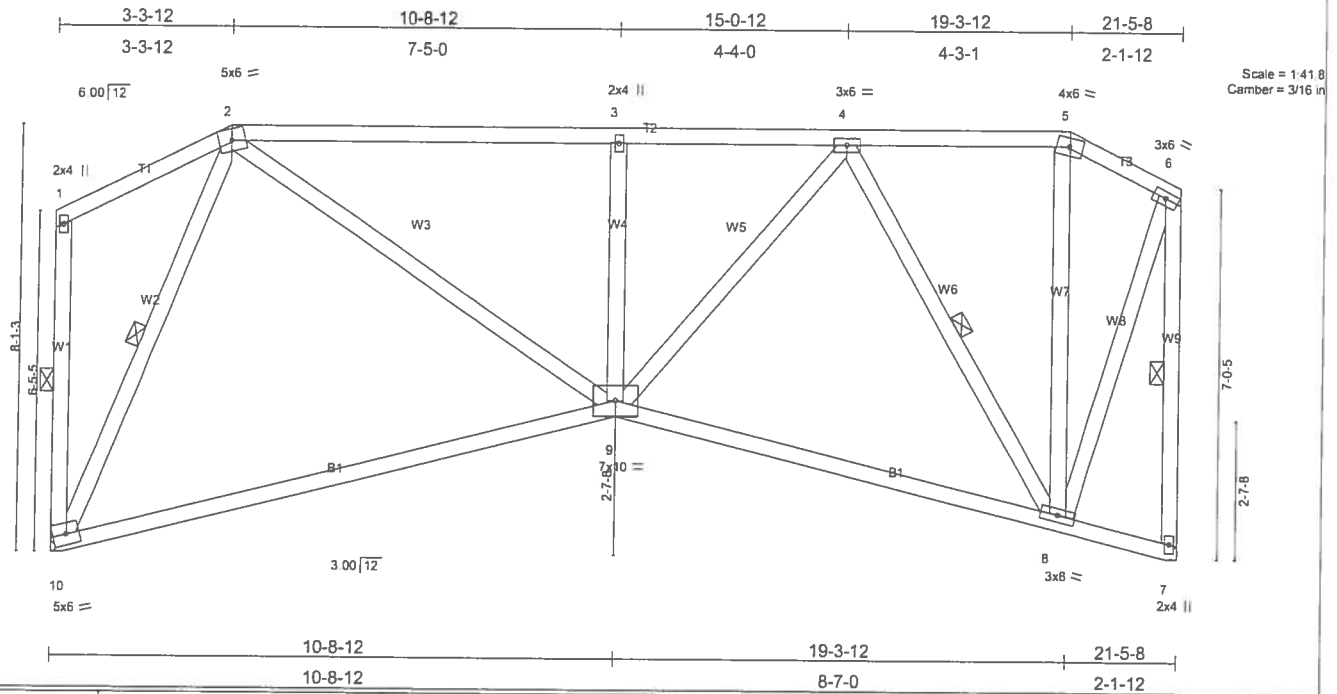
(lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-291/114, 2-3=-257/129, 3-4=-1282/502, 4-5=-1282/502, 5-6=-47/17, 6-7=-58/0, 1-11=-964/342, 7-8=-127/5
BOT CHORD 10-11=-29/27, 9-10=-358/825, 8-9=-315/729
WEBS 2-10=-71/94, 3-10=-884/390, 3-9=-198/693, 4-9=-262/189, 5-9=-243/783, 1-10=-295/866, 6-8=-156/234, 5-8=-999/472

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCCL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- Provide adequate drainage to prevent water ponding.
- Bearing at joint(s) 11, 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 311 lb uplift at joint 11 and 347 lb uplift at joint 8.

LOAD CASE(S) Standard

Job L209611	Truss T18	Truss Type SPECIAL	Qty 1	Ply 1	RONALD CLARK CONSTRUCTION (BELL)
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Sep 06 12:04:22 2006 Page 1		



LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.69	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.48	Vert(LL) -0.26 9-10 >973 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.37	Vert(TL) -0.45 9-10 >563 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.05 7 n/a n/a		
	Code FBC2004/TPI2002			Weight: 159 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 5-9-12 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
 WEBS 1 Row at midpt 4-8, 1-10, 2-10, 6-7

REACTIONS (lb/size) 7=889/Mechanical, 10=889/Mechanical
 Max Horz 10=41(load case 5)
 Max Uplift 7=291(load case 3), 10=270(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-63/25, 2-3=-1000/439, 3-4=-1000/439, 4-5=-256/146, 5-6=-299/130, 1-10=-63/41, 6-7=-899/356
 BOT CHORD 9-10=-194/399, 8-9=-273/676, 7-8=-0/20
 WEBS 2-9=-256/804, 3-9=-354/249, 4-9=-199/591, 4-8=-747/336, 5-8=-74/88, 2-10=-823/424, 6-8=-289/787

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=20ft, TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- Provide adequate drainage to prevent water ponding.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 291 lb uplift at joint 7 and 270 lb uplift at joint 10.

LOAD CASE(S) Standard

Job L209611	Truss T19	Truss Type SPECIAL	Qty 1	Ply 1	RONALD CLARK CONSTRUCTION (BELL)
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Builders FirstSource, Lake City, FL 32055

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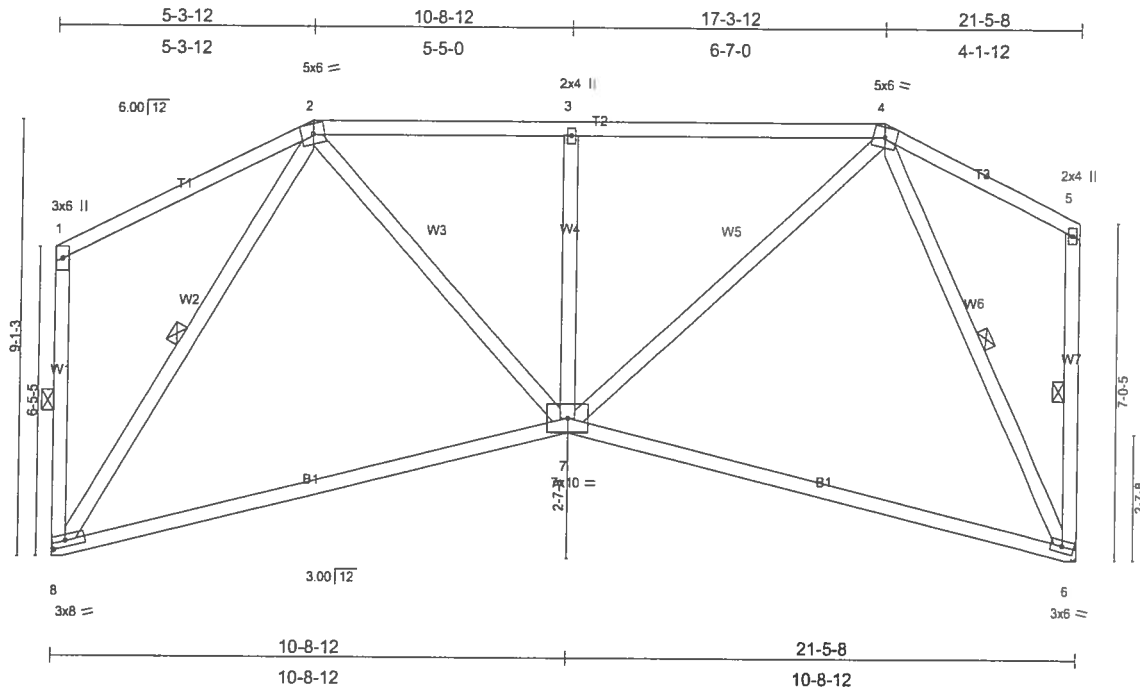
Scale = 1/4"=1'-0"
Camber = 3/16"

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

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.67	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.53	Vert(LL) -0.22 6-7 >999 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.40	Vert(TL) -0.38 6-7 >661 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.04 6 n/a n/a		
	Code FBC2004/TPI2002				
				Weight: 148 lb	

LUMBER

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

BRACING

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

REACTIONS (lb/size) 8=889/Mechanical, 6=889/Mechanical

Max Horz 8=55(load case 5)
 Max Uplift 8=-232(load case 5), 6=-242(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-114/84, 2-3=-843/411, 3-4=-843/411, 4-5=-79/49, 1-8=-161/132, 5-6=-107/79
 BOT CHORD 7-8=-226/511, 6-7=-173/420
 WEBS 2-7=-174/621, 3-7=-352/244, 4-7=-208/670, 2-8=-808/352, 4-6=-803/395

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- Provide adequate drainage to prevent water ponding.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 232 lb uplift at joint 8 and 242 lb uplift at joint 6.

LOAD CASE(S) Standard

Job L209611	Truss T20	Truss Type SPECIAL	Qty 1	Ply 1	RONALD CLARK CONSTRUCTION (BELL)
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Sep 06 12:04:24 2006 Page 1		

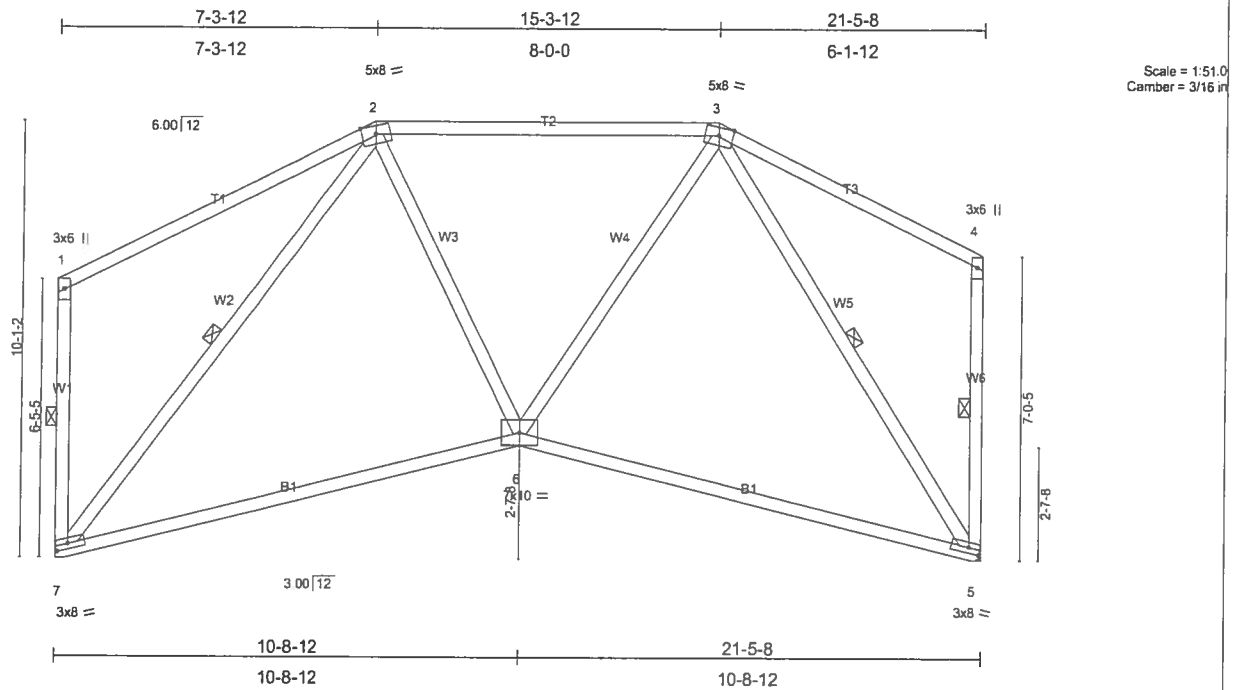


Plate Offsets (X,Y): [5:0-3-4,0-1-8], [7:0-3-4,0-1-8]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.71	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.54	Vert(LL) -0.23 5-6 >999 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.57	Vert(TL) -0.38 5-6 >663 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.04 5 n/a n/a		
	Code FBC2004/TP12002			Weight: 144 lb	

LUMBER

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

BRACING

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

REACTIONS (lb/size) 7=889/Mechanical, 5=889/Mechanical
Max Horz 7=69(load case 5)
Max Uplift 7=-246(load case 5), 5=-249(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-141/130, 2-3=-680/380, 3-4=-110/97, 1-7=-203/190, 4-5=-161/149
BOT CHORD 6-7=-248/609, 5-6=-205/526
WEBS 2-6=-11/350, 3-6=-72/424, 2-7=-838/318, 3-5=-821/357

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCCL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- Provide adequate drainage to prevent water ponding.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 246 lb uplift at joint 7 and 249 lb uplift at joint 5.

LOAD CASE(S) Standard

Job L209611	Truss T21	Truss Type SPECIAL	Qty 1	Ply 1	RONALD CLARK CONSTRUCTION (BELL)
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Builders FirstSource, Lake City, FL 32055

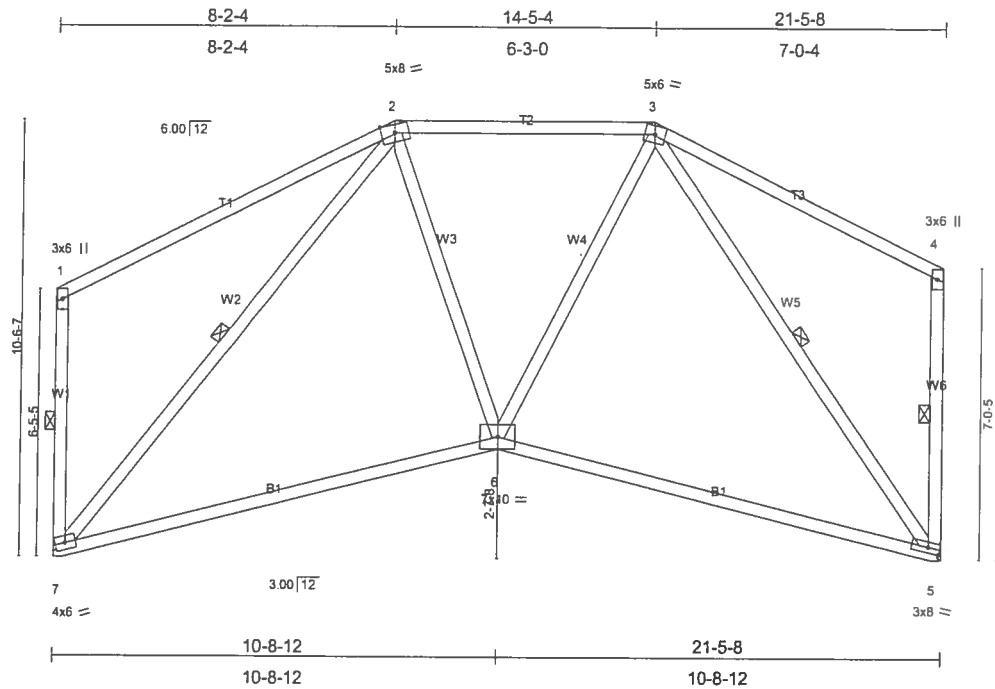
Job Reference (optional)
6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Sep 06 12:04:25 2006 Page 1Scale = 1:53.2
Camber = 1/8 in

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

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.82	Vert(LL)	-0.22	5-6	>999	240	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.54	Vert(TL)	-0.38	5-6	>672	180		
BCLL 10.0	Lumber Increase 1.25	WB 0.63	Horz(TL)	0.04	5	n/a	n/a		
BCDL 5.0	Rep Stress Incr YES	(Matrix)							
	Code FBC2004/TPI2002								
								Weight: 147 lb	

LUMBER

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

BRACING

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

REACTIONS (lb/size) 7=889/Mechanical, 5=889/Mechanical

Max Horz 7=75(load case 5)
 Max Uplift 7=251(load case 5), 5=254(load case 6)

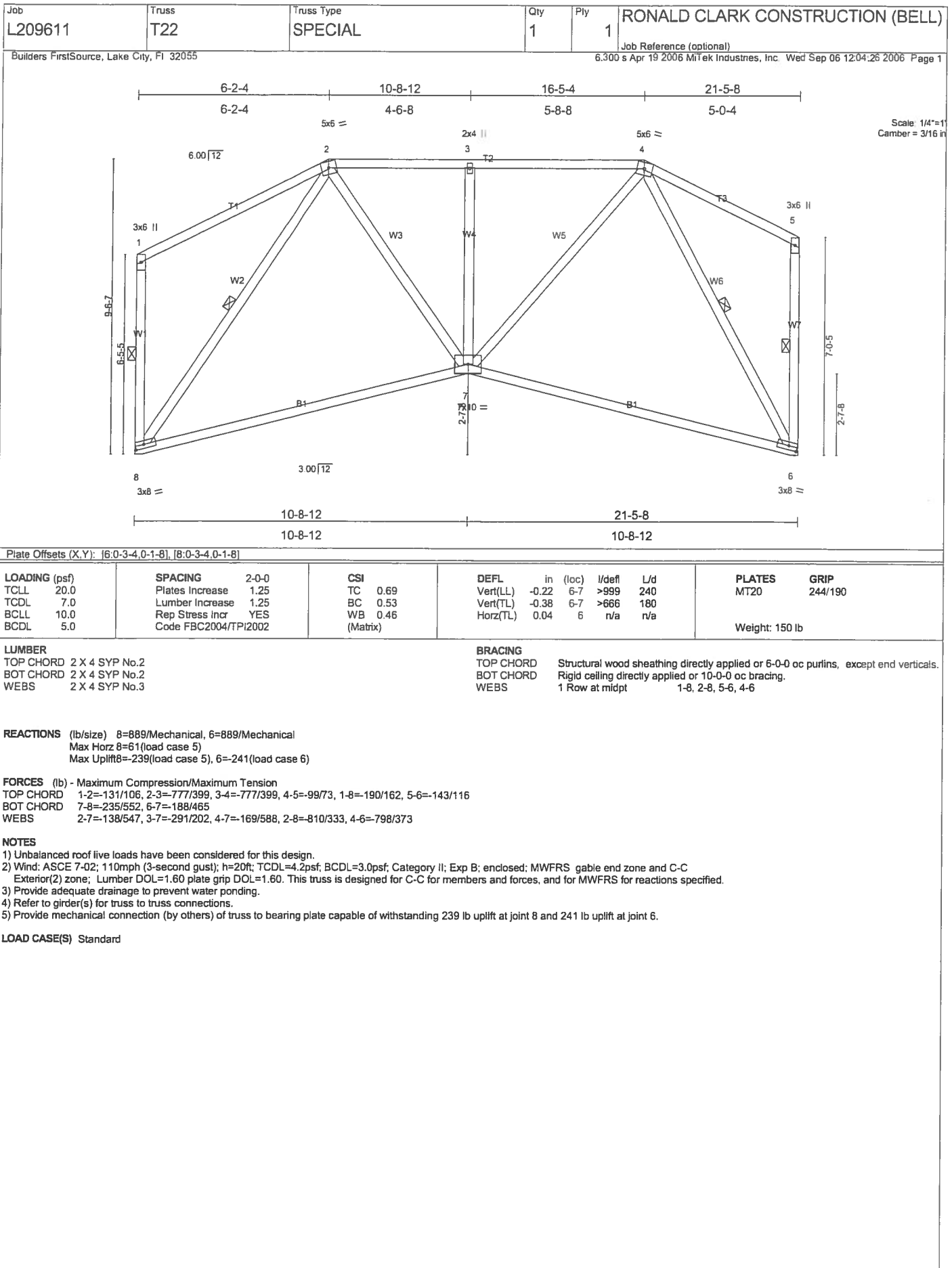
FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-172/162, 2-3=-657/397, 3-4=-140/128, 1-7=-247/230, 4-5=-208/191
 BOT CHORD 6-7=-242/626, 5-6=-205/549
 WEBS 2-6=-15/353, 3-6=-86/426, 2-7=-808/275, 3-5=-791/317

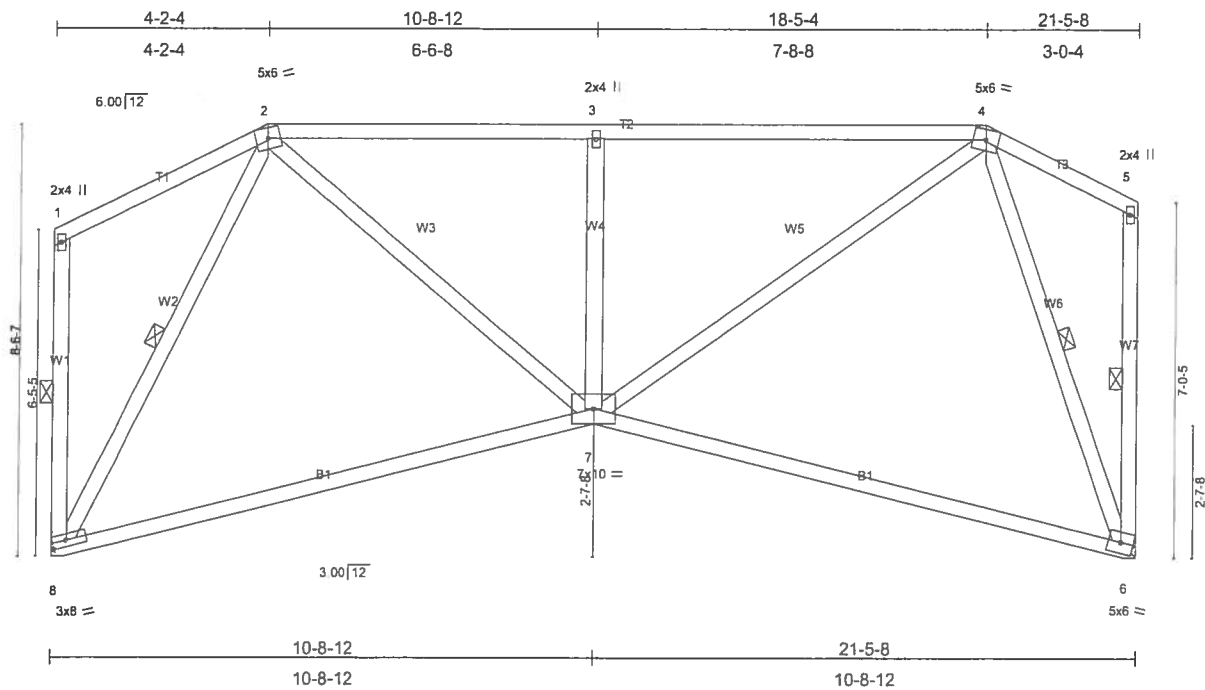
NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- Provide adequate drainage to prevent water ponding.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 251 lb uplift at joint 7 and 254 lb uplift at joint 5.

LOAD CASE(S) Standard



Job L209611	Truss T23	Truss Type SPECIAL	Qty 1	Ply 1	RONALD CLARK CONSTRUCTION (BELL)
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Sep 06 12:04:27 2006 Page 1		



Scale = 1/43.5
Camber = 3/16 in

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

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.64	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.52	Vert(LL) -0.23 6-7 >999 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.44	Vert(TL) -0.39 6-7 >652 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.05 6 n/a n/a		
	Code FBC2004/TP12002			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 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 1-8, 2-8, 5-6, 4-6

REACTIONS (lb/size) 8=889/Mechanical, 6=889/Mechanical
Max Horz 8=47(load case 5)
Max Uplift 8=-251(load case 4), 6=-270(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-89/54, 2-3=-943/432, 3-4=-943/432, 4-5=-48/22, 1-8=-119/88, 5-6=-48/30
BOT CHORD 7-8=-208/450, 6-7=-148/355
WEBS 2-7=-228/738, 3-7=-418/291, 4-7=-273/799, 2-8=-808/379, 4-6=-825/436

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02: 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- Provide adequate drainage to prevent water ponding.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 251 lb uplift at joint 8 and 270 lb uplift at joint 6.

LOAD CASE(S) Standard

Job L209611	Truss T24	Truss Type SPECIAL	Qty 1	Ply 1	RONALD CLARK CONSTRUCTION (BELL)
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Sep 06 12:04:28 2006 Page 1		

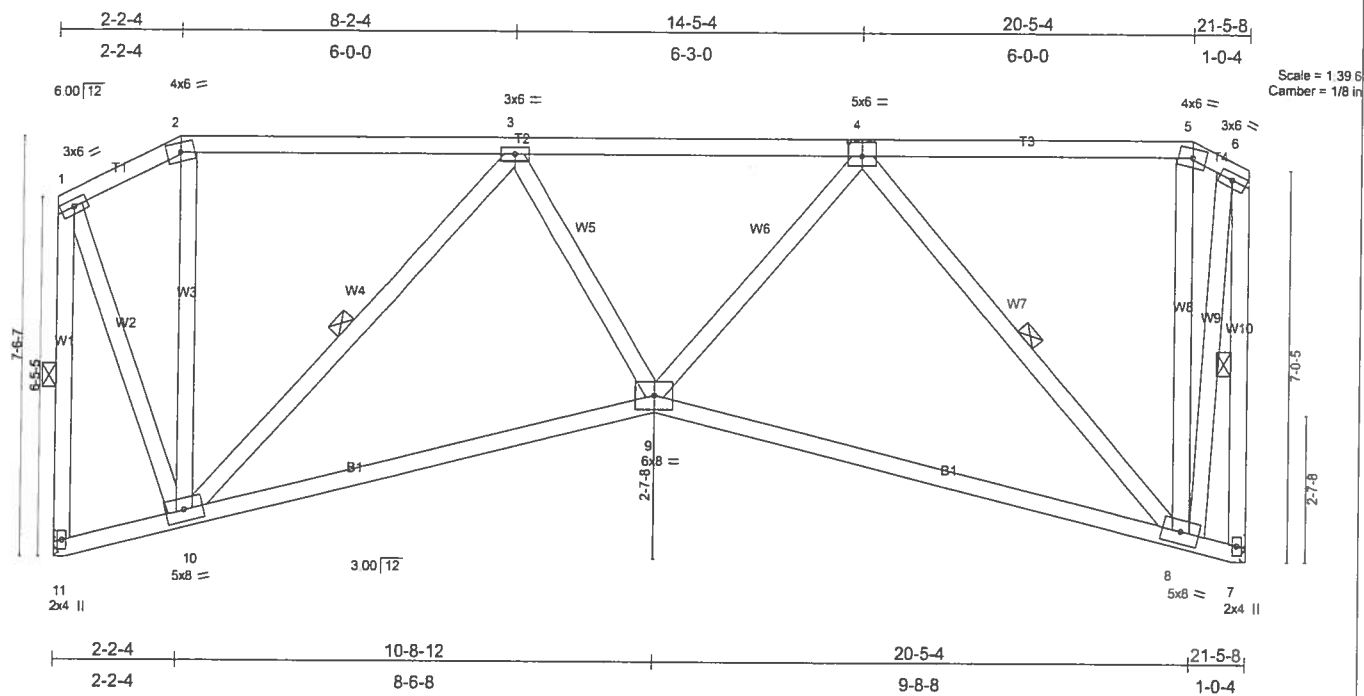


Plate Offsets (X,Y): [4:0-3:0-0-3:0]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.24	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.46	Vert(LL) -0.17 8-9 >999 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.37	Vert(TL) -0.29 8-9 >872 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.07 7 n/a n/a		
	Code FBC2004/TP12002			Weight: 164 lb	

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 5-11-12 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
 WEBS 1 Row at midpt 3-10, 4-8, 1-11, 6-7

REACTIONS (lb/size) 11=889/Mechanical, 7=889/Mechanical
 Max Horz 11=33(load case 5)
 Max Uplift 11=293(load case 4), 7=313(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-324/135, 2-3=-292/157, 3-4=-1050/420, 4-5=-162/75, 5-6=-157/40, 1-11=-909/343, 6-7=-1015/295
 BOT CHORD 10-11=-34/21, 9-10=-395/931, 8-9=-345/814, 7-8=0/49
 WEBS 2-10=-119/128, 3-10=-883/370, 3-9=-41/373, 4-9=-110/471, 4-8=-925/431, 5-8=-173/174, 1-10=-293/818, 6-8=-326/1000

NOTES

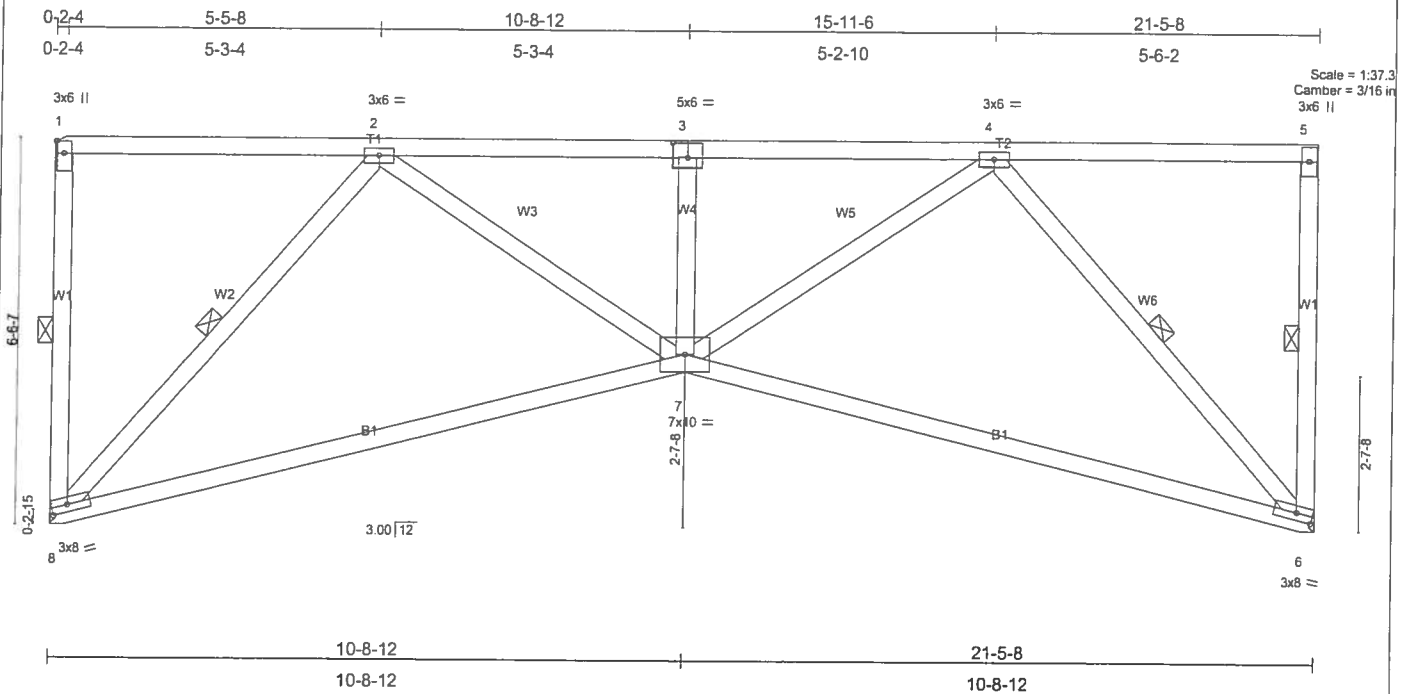
- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members 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 293 lb uplift at joint 11 and 313 lb uplift at joint 7.

LOAD CASE(S) Standard

Job L209611	Truss T25	Truss Type SPECIAL	Qty 1	Ply 1	RONALD CLARK CONSTRUCTION (BELL)
Job Reference (optional)					

Builders FirstSource, Lake City, FL 32055

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LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.67	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.56	Vert(LL) -0.23 7-8 >999 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.35	Vert(TL) -0.39 7-8 >648 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.08 6 n/a n/a		
	Code FBC2004/TPI2002			Weight: 129 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 5-2-6 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
 WEBS 1 Row at midpt 5-6, 1-8, 2-8, 4-6

REACTIONS (lb/size) 6=889/Mechanical, 8=889/Mechanical
 Max Uplift 6=-336(load case 3), 8=-336(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-46/2, 2-3=-1418/508, 3-4=-1418/508, 4-5=-47/2, 5-6=-141/90, 1-8=-139/89
 BOT CHORD 7-8=-325/773, 6-7=-327/780
 WEBS 2-7=-241/860, 3-7=-273/191, 2-8=-1025/475, 4-7=-238/854, 4-6=-1029/476

NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCCL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 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 336 lb uplift at joint 6 and 336 lb uplift at joint 8.

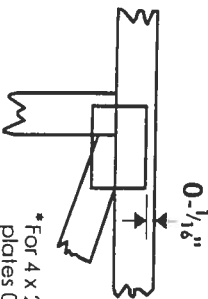
LOAD CASE(S) Standard

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 seal.



* 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

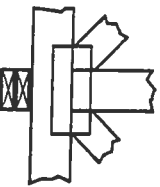
The first dimension is the width perpendicular to slots. Second dimension is the length parallel to slots.

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

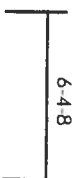


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

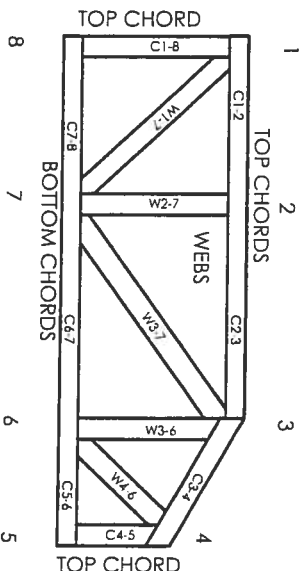
Industry Standards:

ANSI/TP11: 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



dimensions shown in ft.-in.-sixteenths



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
SBCI	9667, 9730, 9604B, 9511, 9432A



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/TP11.
6. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TP11.
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.



Mitek Engineering Reference Sheet: MII-7473

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