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The truss drawing(s) listed below have been prepared by 84 Lumber Company - Jax under my direct supervision based on the parameters provided by the truss designers.

Job: JAX0351
Builder: Sparks Construction
Model: Fulton Residence
Location: Columbia County, FL

46 Truss Designs

DE Job #: 4786-E1

Trusses
g1, h1, h1a, h1b, h1c, h1d, h2, h2a, h2b, h2c, h2d, h2e, h2f, h2g, h3, h3a, h3b, h4, h4a, h4b, hj4, j2, jk5, m1, m1a, m1b, m1c, pb1, pb1a, pb2, t1, t1a, t1b, t1c, t1d, t2, t2a, t2b, t3, t3a, t3b, t3c, t3d, t3e, t3f, t3g

Date: Monday, September 17, 2007

Samuel A. Greenberg, P.E.

FL Reg. No. 34245

The seal on these drawings indicate acceptance of professional engineering responsibility solely for the truss components shown. FBC-2004 Sec. 1609, ASCE 7-02. The suitability and use of this component for any particular building is the responsibility of the building designer, per ANSI/TPI-2002 Sec.2.

Job	Truss	Truss Type	Qty	Ply	SPARKS CONST/FULTON
JAX0351	G1	MONO TRUSS	1	2	*DE Job # 4786-E1*
84 COMPONENTS, APOPKA, FL					Job Reference (optional)

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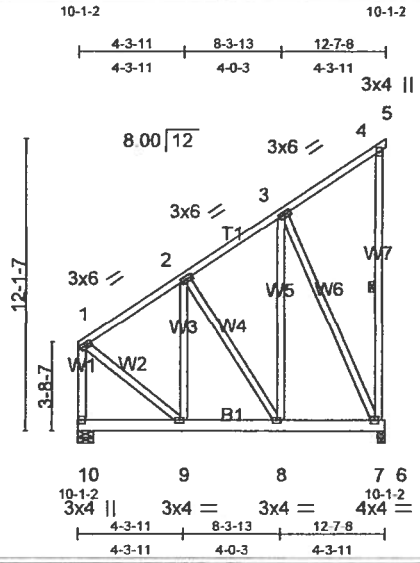


LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.20	Vert(LL)	-0.03	8-9	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.29	Vert(TL)	-0.04	8-9	>999	240		
BCLL	10.0	Rep Stress Incr	NO	WB	0.70	Horz(TL)	0.00	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 253 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 6 SYP No.2
WEBS 2 X 4 SYP No.3 *Except*
W1 2 X 4 SYP No.2

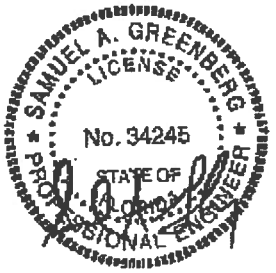
BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 4-7

REACTIONS (lb/size) 7=2598/0-3-8, 10=2495/0-7-4
Max Horz 10=455(LC 4)
Max Uplift7=-1536(LC 4), 10=-921(LC 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1507/530, 2-3=-1043/335, 3-4=-90/43, 4-5=-2/0, 4-7=-98/138, 1-10=-1832/636
BOT CHORD 9-10=-506/82, 8-9=-813/1197, 7-8=-503/822, 6-7=0/0
WEBS 2-9=-397/626, 2-8=-687/569, 3-8=-1110/2087, 3-7=-1956/1194, 1-9=-397/1439

NOTES
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2 X 6 - 2 rows 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) This truss has been checked for uniform roof live load only, except as noted.
4) Wind: ASCE 7-02; 120mph (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.
5) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1536 lb uplift at joint 7 and 921 lb uplift at joint 10.

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-5=-14, 6-10=-355(F=-325)



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Date: 9/17/07

Job	Truss	Truss Type	Qty	Ply	SPARKS CONST/FULTON
JAX0351	H1	COMMON	2	1	*DE Job # 4786-E1*
					Job Reference (optional)

84 COMPONENTS, APOPKA, FL 10-1-2 6.500 s Mar 8 2007 MiTek Industries, Inc. Mon Sep 17 14:57:30 2007 Page 10-1-2

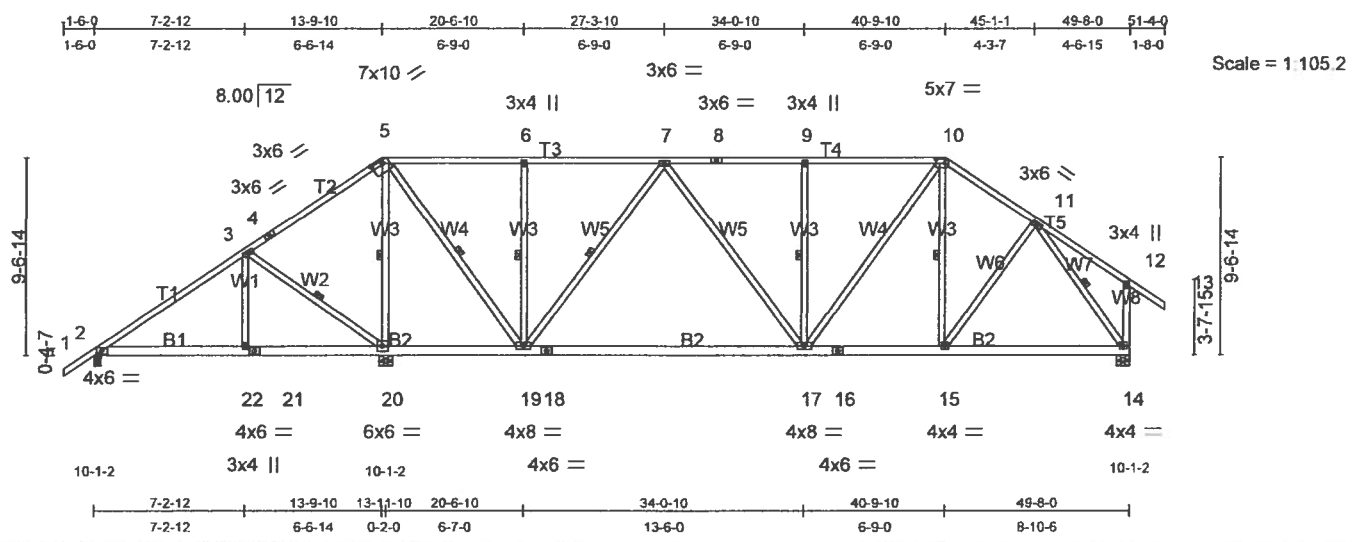


Plate Offsets (X,Y): [5:0-6-8,0-1-12], [10:0-5-4,0-2-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.35	Vert(LL)	-0.24	17-19	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.45	Vert(TL)	-0.41	17-19	>999	240		
BCLL	10.0	Rep Stress Incr	NO	WB	0.96	Horz(TL)	0.03	14	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 365 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 6 SYP No.2
WEBS 2 X 4 SYP No.3 *Except*
W8 2 X 4 SYP No.2

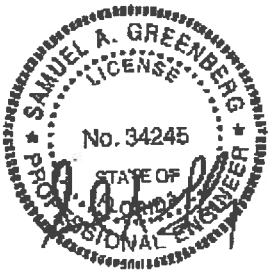
BRACING
TOP CHORD Structural wood sheathing directly applied or 5-2-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 3-20, 5-20, 5-19, 6-19, 7-19, 9-17, 10-15, 11-14

REACTIONS (lb/size) 2=454/0-3-8, 20=2371/0-7-4, 14=1509/0-7-4
Max Horz 2=367(LC 3)
Max Uplift2=-249(LC 4), 20=-1157(LC 3), 14=-676(LC 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-304/77, 3-4=-180/271, 4-5=-153/448, 5-6=-663/552, 6-7=-663/552, 7-8=-1333/890, 8-9=-1333/890, 9-10=-1333/889, 10-11=-1273/756, 11-12=-139/199, 12-13=0/54, 12-14=-270/335
BOT CHORD 2-22=-146/377, 21-22=-146/377, 20-21=-146/377, 19-20=-322/333, 18-19=-675/1131, 17-18=-675/1131, 16-17=-436/1014, 15-16=-436/1014, 14-15=-378/820
WEBS 3-22=0/256, 3-20=-563/428, 5-20=-1893/1031, 5-19=-922/1663, 6-19=-363/410, 7-19=-792/514, 7-17=-80/340, 9-17=-369/400, 10-17=-435/538, 10-15=-76/259, 11-15=-273/334, 11-14=-1345/651

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 120mph (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.
3) Provide adequate drainage to prevent water ponding.
4) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 249 lb uplift at joint 2, 1157 lb uplift at joint 20 and 676 lb uplift at joint 14.

LOAD CASE(S) Standard



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Date: 9/17/07

Job	Truss	Truss Type	Qty	Ply	SPARKS CONST/FULTON
JAX0351	H1A	GABLE	2	1	*DE Job # 4786-E1*
					Job Reference (optional)

84 COMPONENTS, APOPKA, FL 10-1-2 — 6.500 s Mar 8 2007 MiTek Industries, Inc. Mon Sep 17 14:57:31 2007 Page

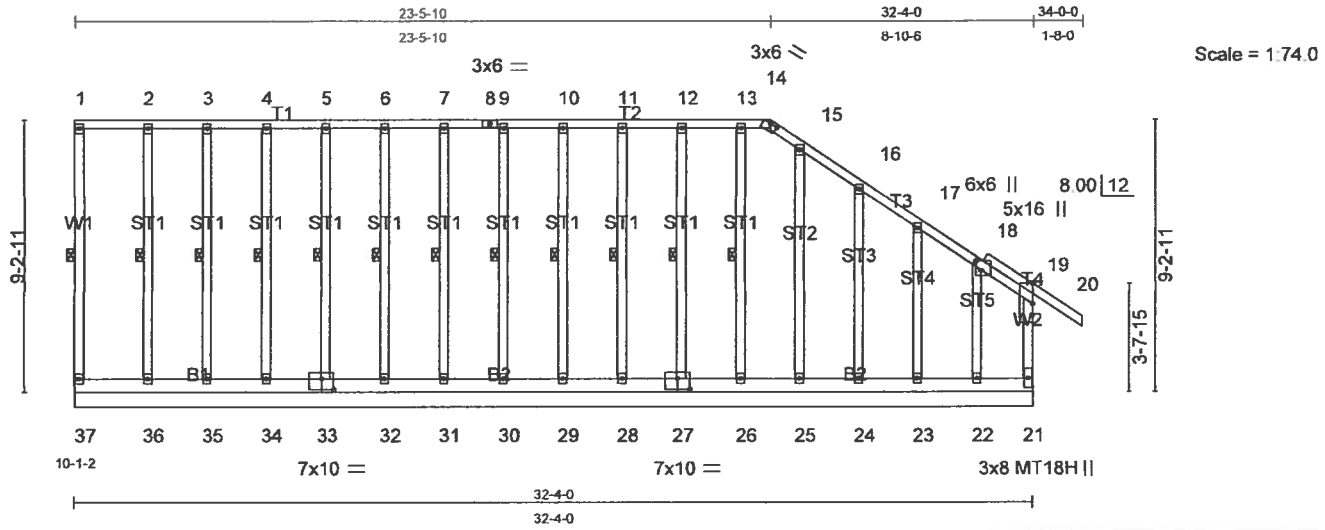

Plate Offsets (X,Y): [14:0-3-0,0-0-2], [18:0-3-11,0-2-4], [19:0-8-7,0-0-0], [27:0-5-0,0-4-8], [33:0-5-0,0-4-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.99	Vert(LL)	-0.02	20	n/r	120	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.46	Vert(TL)	-0.02	19-20	n/r	120	MT18H	244/190
BCLL	10.0	Rep Stress Incr	NO	WB	0.12	Horz(TL)	0.01	21	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 322 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 6 SYP No.2
WEBS 2 X 4 SYP No.2
OTHERS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 5-33, 4-34, 3-35, 2-36, 6-32, 7-31, 9-30, 10-29, 11-28, 12-27, 13-26, 1-37

REACTIONS (lb/size) 37=84/32-4-0, 21=220/32-4-0, 33=167/32-4-0, 34=167/32-4-0, 35=160/32-4-0, 36=202/32-4-0, 32=172/32-4-0, 31=167/32-4-0, 30=168/32-4-0, 29=169/32-4-0, 28=165/32-4-0, 27=168/32-4-0, 26=170/32-4-0, 25=165/32-4-0, 24=168/32-4-0, 23=173/32-4-0, 22=105/32-4-0
Max Horz 37=-390(LC 5)
Max Uplift 37=-110(LC 5), 21=-67(LC 3), 33=-99(LC 4), 34=-102(LC 3), 35=-103(LC 4), 36=-119(LC 3), 32=-100(LC 3), 31=-100(LC 3), 30=-100(LC 3), 29=-100(LC 3), 28=-101(LC 3), 27=-104(LC 3), 26=-83(LC 3), 25=-112(LC 5), 24=-165(LC 5), 22=-935(LC 5)
Max Grav 37=84(LC 1), 21=714(LC 5), 33=167(LC 1), 34=167(LC 1), 35=160(LC 1), 36=202(LC 1), 32=172(LC 1), 31=167(LC 1), 30=168(LC 1), 29=169(LC 1), 28=165(LC 1), 27=168(LC 1), 26=170(LC 1), 25=165(LC 1), 24=168(LC 1), 23=173(LC 1), 22=105(LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 14-15=-35/20, 15-16=-68/25, 16-17=-159/25, 17-18=-226/30, 18-19=-467/53, 19-20=0/48, 19-21=-282/59, 1-2=-1/18, 2-3=-1/18, 3-4=-1/18, 4-5=-1/18, 5-6=-3/19, 6-7=-3/19, 7-8=-3/19, 8-9=-3/19, 9-10=-3/19, 10-11=-3/19, 11-12=-3/19, 12-13=-4/21, 13-14=-4/21, 1-37=-55/73
BOT CHORD 36-37=-5/372, 35-36=-5/372, 34-35=-5/372, 33-34=-5/372, 32-33=-7/371, 31-32=-7/371, 30-31=-7/371, 29-30=-7/371, 28-29=-7/371, 27-28=-7/371, 26-27=-9/369, 25-26=-9/369, 24-25=-9/369, 23-24=-9/369, 22-23=-9/369, 21-22=-9/368
WEBS 5-33=-107/111, 4-34=-109/113, 3-35=-104/108, 2-36=-128/134, 6-32=-109/113, 7-31=-108/112, 9-30=-108/112, 10-29=-108/112, 11-28=-108/112, 12-27=-108/116, 13-26=-107/96, 15-25=-106/132, 16-24=-108/146, 17-23=-111/111, 18-22=-59/429

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 120mph (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.
3) 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"
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) All plates are 3x4 MT20 unless otherwise indicated.
7) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
8) Gable requires continuous bottom chord bearing.
9) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
10) Gable studs spaced at 2-0-0 oc.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 110 lb uplift at joint 37, 67 lb uplift at joint 21, 99 lb uplift at joint 33, 102 lb uplift at joint 34, 103 lb uplift at joint 35, 119 lb uplift at joint 36, 100 lb uplift at joint 32, 100 lb uplift at joint 31, 100 lb uplift at joint 30, 100 lb uplift at joint 29, 101 lb uplift at joint 28, 104 lb uplift at joint 27, 83 lb uplift at joint 26, 112 lb uplift at joint 25, 165 lb uplift at joint 24 and 935 lb uplift at joint 22.

LOAD CASE(S) Standard

SAMUEL A. GREENBERG LICENSE No. 34245 STATE OF FLORIDA PROFESSIONAL ENGINEER

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DANSCO Engineering, LLC
P.O. Box 3403
Apollo Beach, FL 33572
CA 25948

Date: 9/17/07

Job	Truss	Truss Type	Qty	Ply	SPARKS CONST/FULTON
JAX0351	H1B	SPECIAL	5	1	*DE Job # 4786-E1*
					Job Reference (optional)

84 COMPONENTS, APOPKA, FL — 6.500 s Mar 8 2007 MiTek Industries, Inc. Mon Sep 17 14:57:32 2007 Page

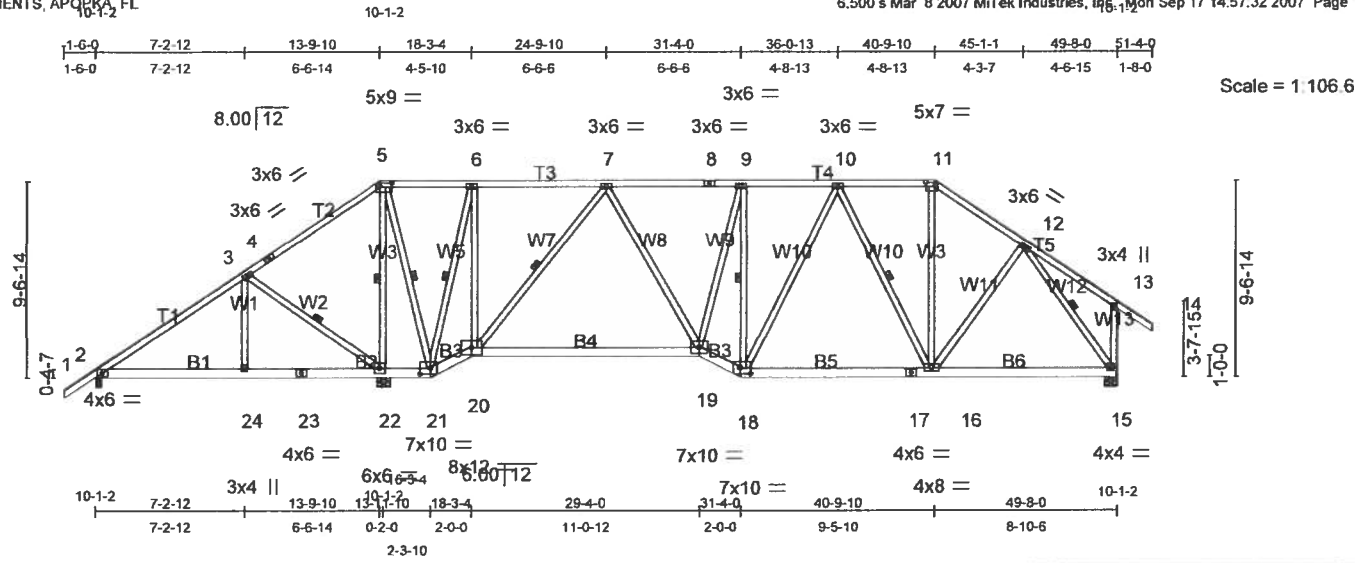

Plate Offsets (X,Y): [5:0-6-12,0-2-0], [11:0-5-4,0-2-4], [18:0-6-0,0-3-8], [21:0-6-0,0-3-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.40	Vert(LL)	-0.19	19-20	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.38	Vert(TL)	-0.31	19-20	>999	240		
BCLL	10.0	Rep Stress Incr	NO	WB	0.81	Horz(TL)	0.07	15	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 397 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 6 SYP No.2
WEBS 2 X 4 SYP No.3 *Except*
W13 2 X 4 SYP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-5-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 3-22, 5-22, 5-21, 6-21, 7-20, 9-18, 10-16, 12-15

REACTIONS (lb/size) 2=283/0-3-8, 22=2608/0-7-4, 15=1443/0-7-4
Max Horz 2=367(LC 3)
Max Uplift2=-218(LC 4), 22=-1280(LC 3), 15=-644(LC 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-302/221, 3-4=-333/556, 4-5=-317/733, 5-6=-13/207, 6-7=-154/285, 7-8=-1233/846, 8-9=-1233/846, 9-10=-1178/841, 10-11=-964/647, 11-12=-1213/716, 12-13=-123/199, 13-14=0/54, 13-15=-258/334
BOT CHORD 2-24=-90/498, 23-24=-90/498, 22-23=-90/498, 21-22=-566/370, 20-21=-189/276, 19-20=-583/915, 18-19=-683/1337, 17-18=-561/1127, 16-17=-561/1127, 15-16=-356/783
WEBS 3-24=0/220, 3-22=-544/426, 5-22=-1983/1105, 5-21=-836/1378, 6-21=-1694/873, 6-20=-530/1374, 7-20=-1219/732, 7-19=-215/658, 9-19=-126/253, 9-18=-554/439, 10-18=-144/111, 10-16=-365/434, 11-16=-188/377, 12-16=-238/299, 12-15=-1299/611

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 120mph (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.
3) Provide adequate drainage to prevent water ponding.
4) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 218 lb uplift at joint 2, 1280 lb uplift at joint 22 and 644 lb uplift at joint 15.

LOAD CASE(S) Standard

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Date: 9/17/07

Job	Truss	Truss Type	Qty	Ply	SPARKS CONST/FULTON
JAX0351	H1C	COMMON	3	1	*DE Job # 4786-E1*
					Job Reference (optional)

84 COMPONENTS, APOPKA, FL 10-1-2 10-1-2 6.500 s Mar 8 2007 MiTek Industries, Inc. Mon Sep 17 14:57.32 2007 Page 10-1-2

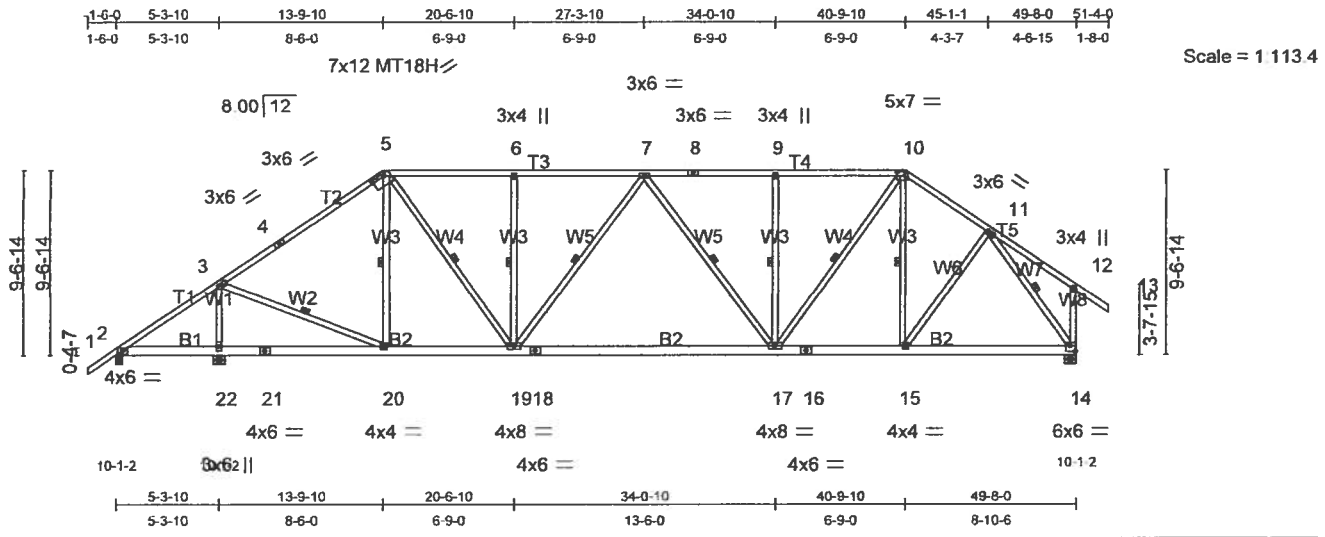


Plate Offsets (X,Y): [5:0-8-0,0-1-8], [10:0-5-4,0-2-4], [14:0-3-0,0-3-12]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.57	Vert(LL)	-0.30	17-19	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.49	Vert(TL)	-0.51	17-19	>999	240	MT18H	244/190
BCLL	10.0	Rep Stress Incr	NO	WB	0.54	Horz(TL)	0.06	14	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 364 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 6 SYP No.2
WEBS 2 X 4 SYP No.3 *Except*
W8 2 X 4 SYP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-10-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 3-20, 5-20, 5-19, 6-19, 7-19, 7-17, 9-17, 10-17, 10-15, 11-14

REACTIONS (lb/size) 2=76/0-3-8, 22=2329/0-7-4, 14=1929/0-7-4
Max Horz 2=367(LC 3)
Max Uplift2=-63(LC 4), 22=-1089(LC 3), 14=-832(LC 2)
Max Grav 2=120(LC 3), 22=2329(LC 1), 14=1929(LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-342/357, 3-4=-1720/770, 4-5=-1595/796, 5-6=-1983/1073, 6-7=-1982/1073, 7-8=-2037/1151, 8-9=-2037/1151, 9-10=-2037/1151, 10-11=-1755/935, 11-12=-147/202, 12-13=0/54, 12-14=-277/337
BOT CHORD 2-22=-210/313, 21-22=-210/313, 20-21=-210/313, 19-20=-748/1318, 18-19=-1183/2146, 17-18=-1183/2146, 16-17=-604/1413, 15-16=-604/1413, 14-15=-487/1112
WEBS 3-22=-2060/1127, 3-20=-794/1657, 5-20=-455/339, 5-19=-749/1121, 6-19=-335/419, 7-19=-277/316, 7-17=-184/286, 9-17=-365/397, 10-17=-692/1053, 10-15=-227/334, 11-15=-366/521, 11-14=-1847/838

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 120mph (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.
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 63 lb uplift at joint 2, 1089 lb uplift at joint 22 and 832 lb uplift at joint 14.

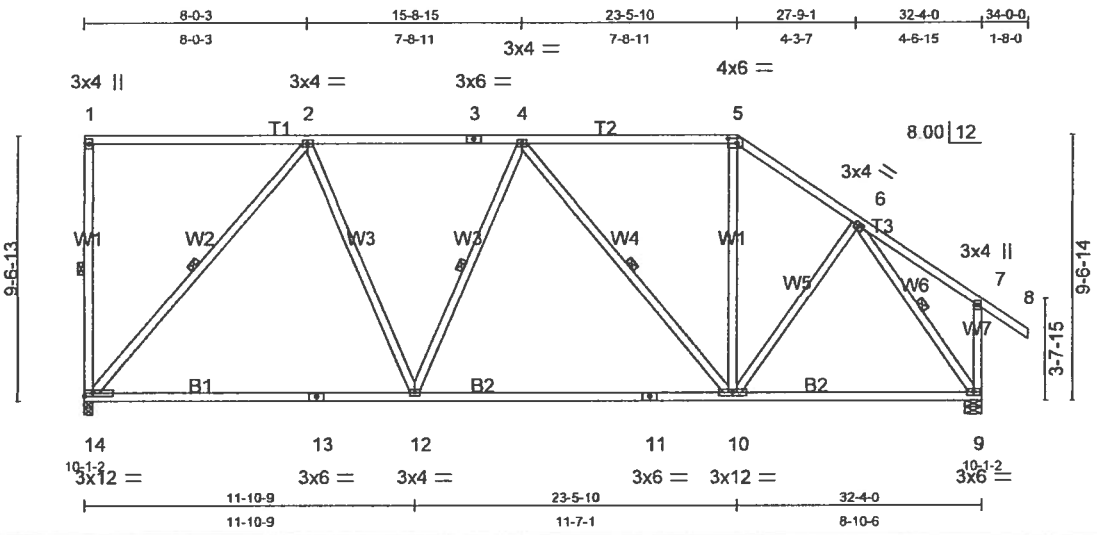
LOAD CASE(S) Standard

Samuel A. Greenberg, P.E.
DANSCO Engineering, LLC
P.O. Box 3400
Apollo Beach, FL 33572
CA 25949

Date: 9/17/07

Job	Truss	Truss Type	Qty	Ply	SPARKS CONST/FULTON
JAX0351	H1D	COMMON	7	1	*DE Job # 4786-E1*
					Job Reference (optional)

84 COMPONENTS, APOPKA, FL 10-1-2 — 6.500 s Mar 8 2007 MiTek Industries, Inc. Mon Sep 17 14:57:33 2007 Page 10-1-2



Scale = 1:79.0

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.81	Vert(LL)	-0.33	12-14	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.71	Vert(TL)	-0.58	12-14	>658	240		
BCLL	10.0	Rep Stress Incr	NO	WB	0.89	Horz(TL)	0.05	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 220 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3 *Except*
W7 2 X 4 SYP No.2

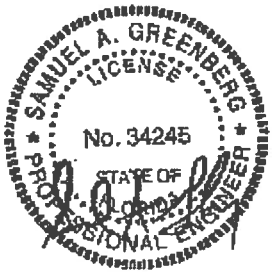
BRACING
TOP CHORD Structural wood sheathing directly applied or 5-3-2 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-2-2 oc bracing.
WEBS 1 Row at midpt 1-14, 2-14, 4-12, 4-10, 6-9

REACTIONS (lb/size) 14=1343/0-3-8, 9=1446/0-7-4
Max Horz 14=-413(LC 5)
Max Uplift14=-718(LC 3), 9=-563(LC 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-14=-198/195, 1-2=-43/13, 2-3=-1103/514, 3-4=-1103/514, 4-5=-973/491, 5-6=-1209/517, 6-7=-143/200, 7-8=0/54, 7-9=-276/336
BOT CHORD 13-14=-480/876, 12-13=-480/876, 11-12=-583/1175, 10-11=-583/1175, 9-10=-239/776
WEBS 2-14=-1288/722, 2-12=-157/590, 4-12=-188/241, 4-10=-320/365, 5-10=-48/289, 6-10=-260/330, 6-9=-1277/423

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 120mph (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.
3) Provide adequate drainage to prevent water ponding.
4) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 718 lb uplift at joint 14 and 563 lb uplift at joint 9.

LOAD CASE(S) Standard



Samuel A. Greenberg, P.E.
DANSCO Engineering, LLC
P.O. Box 3400
Apollo Beach, FL 33572
CA 25948

Date: 9/17/07

Job	Truss	Truss Type	Qty	Ply	SPARKS CONST/FULTON
JAX0351	H2	COMMON	7	1	*DE Job # 4786-E1*
					Job Reference (optional)

84 COMPONENTS, APOPKA, FL 10-1-2 10-1-2 6.500 s Mar 8 2007 MiTek Industries, Inc. Mon Sep 17 14:57:33 2007 Page 10-1-2

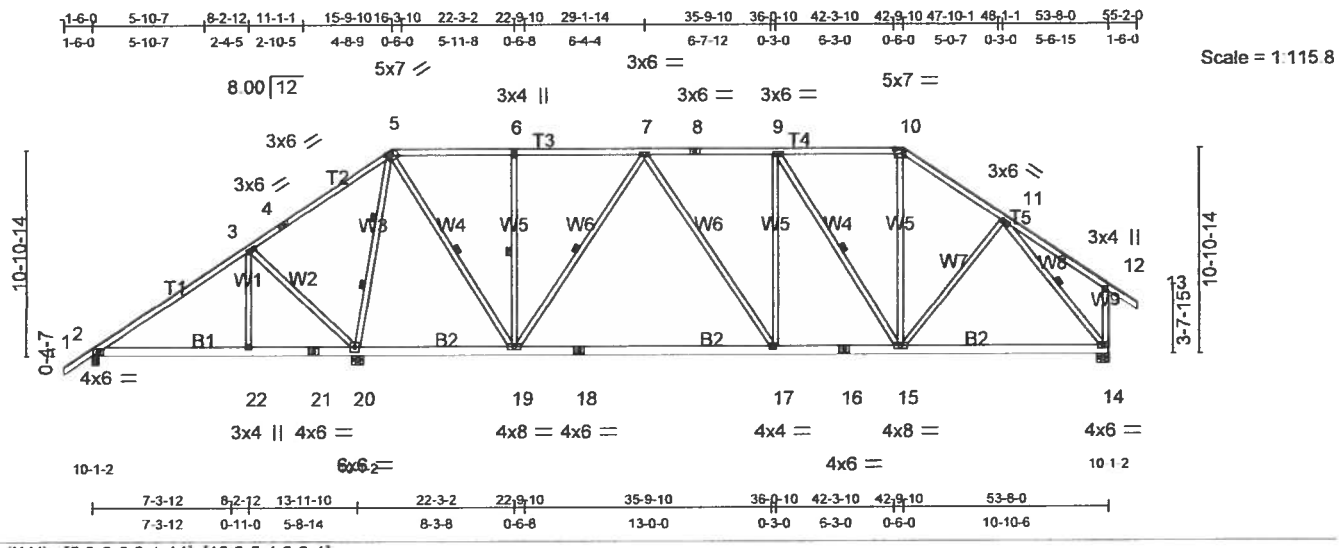


Plate Offsets (X,Y): [5:0-3-8,0-1-14], [10:0-5-4,0-2-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.44	Vert(LL)	-0.27	17-19	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.50	Vert(TL)	-0.45	17-19	>999	240		
BCLL	10.0	Rep Stress Incr	NO	WB	0.78	Horz(TL)	0.04	14	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 400 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 6 SYP No.2
WEBS 2 X 4 SYP No.3 *Except*
W9 2 X 4 SYP No.2

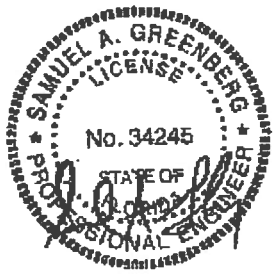
BRACING
TOP CHORD Structural wood sheathing directly applied or 4-11-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-2-1 oc bracing.
WEBS 1 Row at midpt 5-19, 6-19, 7-19, 9-15, 11-14
2 Rows at 1/3 pts 5-20

REACTIONS (lb/size) 2=454/0-3-8, 14=1677/0-7-4, 20=2530/0-7-4
Max Horz 2=424(LC 3)
Max Uplift2=-238(LC 4), 14=-721(LC 2), 20=-1177(LC 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-259/71, 3-4=-188/288, 4-5=-170/493, 5-6=-865/647, 6-7=-865/647, 7-8=-1464/955, 8-9=-1464/955, 9-10=-1196/774, 10-11=-1504/853, 11-12=-193/227, 12-13=0/49, 12-14=-305/353
BOT CHORD 2-22=-168/391, 21-22=-168/391, 20-21=-168/391, 19-20=-137/258, 18-19=-739/1289, 17-18=-739/1289, 16-17=-705/1464, 15-16=-705/1464, 14-15=-453/1022
WEBS 3-22=0/268, 3-20=-605/490, 5-20=-1984/1020, 5-19=-882/1602, 6-19=-350/410, 7-19=-773/509, 7-17=-85/320, 9-17=0/133, 9-15=-505/467, 10-15=-201/456, 11-15=-267/269, 11-14=-1527/718

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 120mph (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.
3) Provide adequate drainage to prevent water ponding.
4) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 238 lb uplift at joint 2, 721 lb uplift at joint 14 and 1177 lb uplift at joint 20.

LOAD CASE(S) Standard

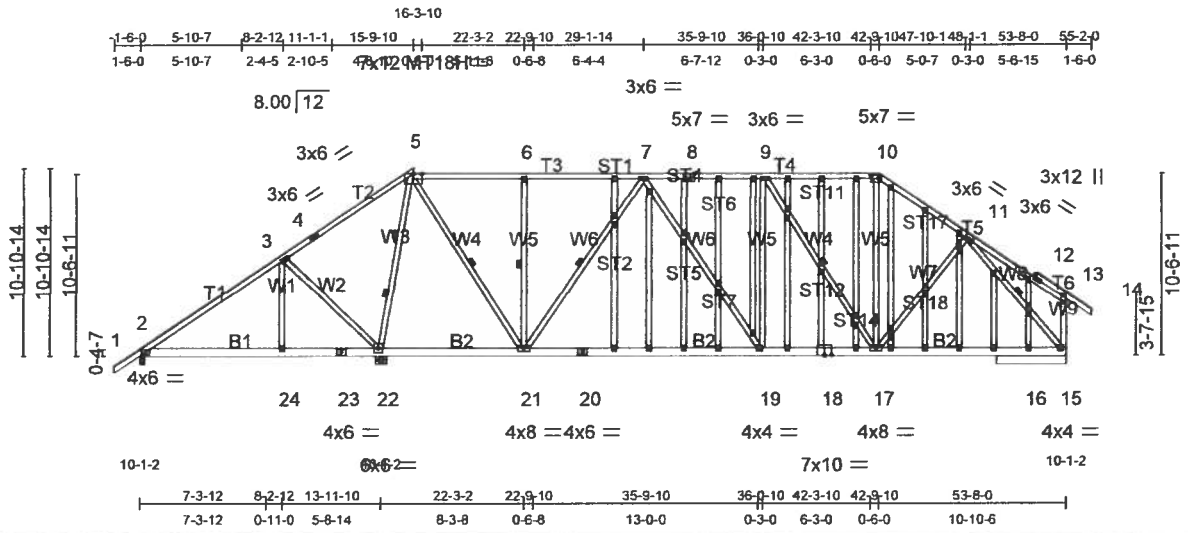


Samuel A. Greenberg, P.E.
DANSCO Engineering, LLC
P.O. Box 3400
Apollo Beach, FL 33572
CA 25948

Date: 9/17/07

Job	Truss	Truss Type	Qty	Ply	SPARKS CONST/FULTON
JAX0351	H2A	GABLE	1	1	*DE Job # 4786-E1*
					Job Reference (optional)

84 COMPONENTS, APOPKA, FL 10-1-2 10-1-2 6.500 s Mar 8 2007 MiTek Industries, Inc. Mon Sep 17 14:57:34 2007 Page 1



Scale: 3/32"=1'

Plate Offsets (X,Y): [8:0-3-4,0-3-4], [10:0-5-4,0-2-4], [18:0-5-0,0-0-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.46	Vert(LL)	-0.26	19-21	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.53	Vert(TL)	-0.44	19-21	>999	240	MT18H	244/190
BCLL	10.0	Rep Stress Incr	NO	WB	0.78	Horz(TL)	0.04	15	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 561 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 6 SYP No.2
WEBS 2 X 4 SYP No.3 *Except*
W9 2 X 4 SYP No.2
OTHERS 2 X 4 SYP No.3

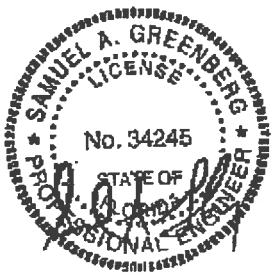
BRACING
TOP CHORD Structural wood sheathing directly applied or 4-11-13 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-0-4 oc bracing.
WEBS 1 Row at midpt 5-21, 6-21, 7-21, 9-17, 11-15
2 Rows at 1/3 pts 5-22

REACTIONS (lb/size) 2=445/0-3-8, 15=1374/4-0-0, 22=2526/0-7-4, 16=316/4-0-0
Max Horz 2=414(LC 3)
Max Uplift2=-268(LC 4), 15=-748(LC 2), 22=-1177(LC 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-243/87, 3-4=-183/305, 4-5=-168/504, 5-6=-871/625, 6-7=-871/625, 7-8=-1476/961, 8-9=-1476/961, 9-10=-1174/783, 10-11=-1475/866, 11-12=-45/246, 12-13=-125/219, 13-14=0/43, 13-15=-275/372
BOT CHORD 2-24=-163/441, 23-24=-163/441, 22-23=-163/441, 21-22=-136/229, 20-21=-765/1302, 19-20=-765/1302, 18-19=-732/1476, 17-18=-732/1476, 16-17=-486/1026, 15-16=-486/1026
WEBS 3-24=0/267, 3-22=-620/485, 5-22=-1970/1020, 5-21=-906/1599, 6-21=-348/410, 7-21=-769/529, 7-19=-83/311, 9-19=0/133, 9-17=-557/464, 10-17=-211/449, 11-17=-257/226, 11-15=-1552/708

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 120mph (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.
3) 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"
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) All plates are 3x4 MT20 unless otherwise indicated.
7) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
8) Gable studs spaced at 2-0-0 oc.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 268 lb uplift at joint 2, 748 lb uplift at joint 15 and 1177 lb uplift at joint 22.

LOAD CASE(S) Standard

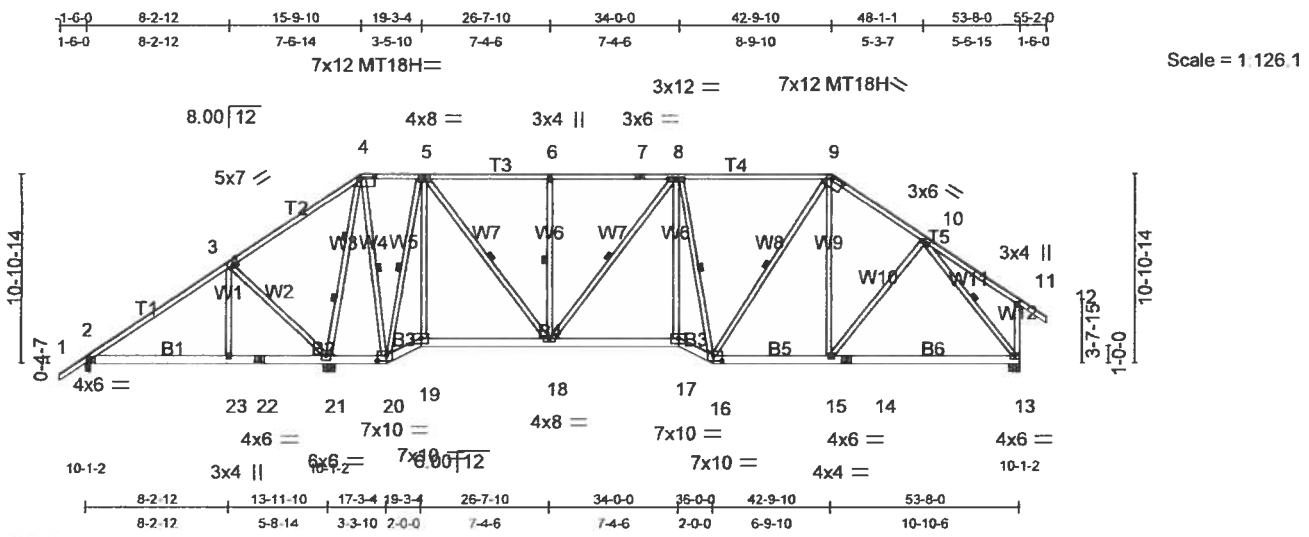


Samuel A. Greenberg, P.E.
DANSCO Engineering, LLC
P.O. Box 3403
Apollo Beach, FL 33572
CA 25948

Date: 9/17/07

Job	Truss	Truss Type	Qty	Ply	SPARKS CONST/FULTON
JAX0351	H28	SPECIAL	4	1	**DE Job # 4786-E1**
					Job Reference (optional)

84 COMPONENTS, APOPKA, FL 10-1-2 10-1-2 6.500 s Mar 8 2007 MiTek Industries, Inc. Mon Sep 17 14:57:35 2007 Page 10-1-2



Scale = 1:126.1

Plate Offsets (X,Y): [3:0-3-4,0-3-4], [4:0-9-8,0-1-12], [9:0-8-8,0-1-12], [16:0-6-0,0-3-8], [20:0-6-0,0-3-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.59	Vert(LL)	-0.15	17-18	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.37	Vert(TL)	-0.24	17-18	>999	240	MT18H	244/190
BCLL	10.0	Rep Stress Incr	NO	WB	0.88	Horz(TL)	0.08	13	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 439 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 6 SYP No.2
WEBS 2 X 4 SYP No.3 *Except*
W12 2 X 4 SYP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-6-1 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 4-20, 5-20, 5-18, 6-18, 8-18, 8-16, 9-16, 10-13
2 Rows at 1/3 pts 4-21

REACTIONS (lb/size) 2=297/0-3-8, 21=2742/0-7-4, 13=1622/0-7-4
Max Horz 2=424(LC 3)
Max Uplift2=-204(LC 4), 21=-1304(LC 3), 13=-690(LC 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-344/269, 3-4=-350/761, 4-5=-35/238, 5-6=-1179/821, 6-7=-1179/821, 7-8=-1179/821, 8-9=-1325/886, 9-10=-1440/811, 10-11=-196/233, 11-12=0/49, 11-13=-311/359
BOT CHORD 2-23=-116/520, 22-23=-116/520, 21-22=-116/520, 20-21=-169/296, 19-20=-317/433, 18-19=-292/367, 17-18=-758/1481, 16-17=-823/1646, 15-16=-455/1149, 14-15=-424/978, 13-14=-424/978
WEBS 3-23=0/246, 3-21=-595/485, 4-21=-2156/1113, 4-20=-875/1474, 5-20=-1685/955, 5-19=-82/311, 5-18=-731/1345, 6-18=-390/397, 8-18=-499/272, 8-17=-271/772, 8-16=-841/649, 9-16=-376/322, 9-15=-63/293, 10-15=-280/273, 10-13=-1457/662

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 120mph (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.
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 204 lb uplift at joint 2, 1304 lb uplift at joint 21 and 690 lb uplift at joint 13.

LOAD CASE(S) Standard

Samuel A. Greenberg, P.E.
DANSCO Engineering, LLC
P.O. Box 3409
Apollo Beach, FL 33572
CA 25948

Date: 9/17/07

Job	Truss	Truss Type	Qty	Ply	SPARKS CONST/FULTON
JAX0351	H2C	SPECIAL	4	1	*DE Job # 4786-E1*

Job Reference (optional)

84 COMPONENTS, APOPKA, FL 10-1-2 10-1-2 6.500 s Mar 8 2007 MiTek Industries, Inc. Mon Sep 17 14:57:36 2007 Page 10-1-2

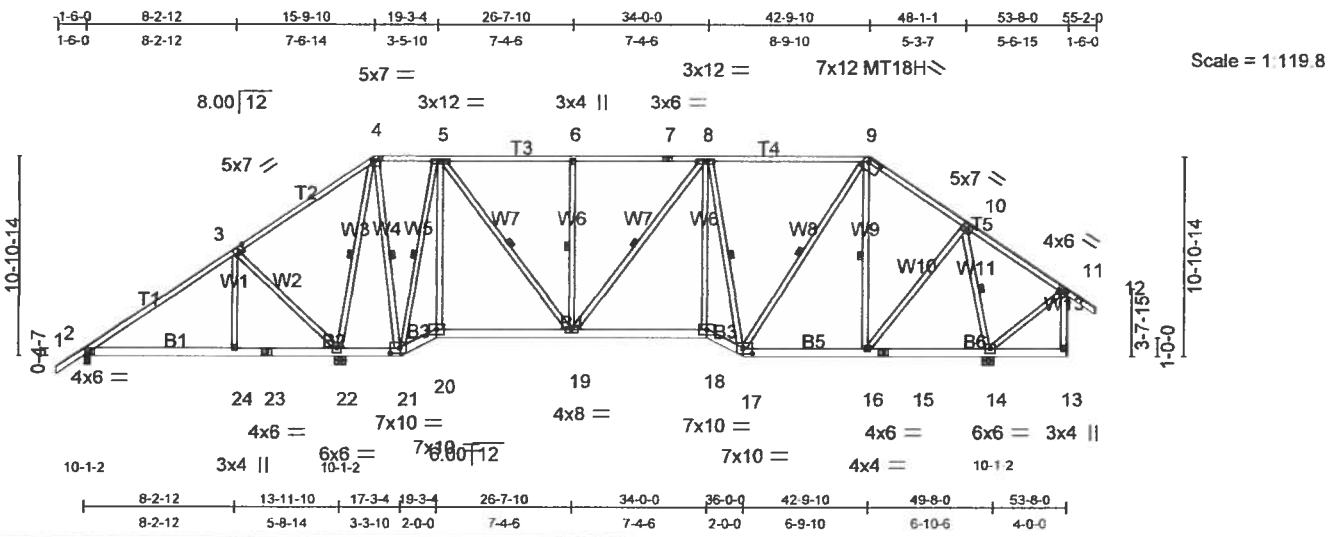


Plate Offsets (X,Y): [3:0-3-4,0-3-4], [4:0-4-8,0-1-12], [9:0-8-8,0-1-12], [11:0-2-14,0-2-0], [17:0-6-0,0-3-8], [21:0-6-0,0-3-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.59	Vert(LL)	-0.12	18-19	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.32	Vert(TL)	-0.20	18-19	>999	240	MT18H	244/190
BCLL	10.0	Rep Stress Incr	NO	WB	0.97	Horz(TL)	0.06	14	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 443 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 6 SYP No.2
WEBS 2 X 4 SYP No.3 *Except*
W13 2 X 4 SYP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-7-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 4-22, 4-21, 5-21, 5-19, 6-19, 8-19, 8-17, 9-17, 9-16, 10-14

REACTIONS (lb/size) 2=367/0-3-8, 22=2456/0-7-4, 14=1838/0-7-4
Max Horz 2=424(LC 3)
Max Uplift2=-222(LC 4), 22=-1231(LC 3), 14=-783(LC 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-299/142, 3-4=-306/638, 4-5=-60/238, 5-6=-993/746, 6-7=-993/746, 7-8=-993/746, 8-9=-969/733, 9-10=-834/566, 10-11=-69/282, 11-12=0/49, 11-13=0/32
BOT CHORD 2-24=-93/469, 23-24=-93/469, 22-23=-93/469, 21-22=-115/285, 20-21=-327/410, 19-20=-300/346, 18-19=-694/1134, 17-18=-755/1251, 16-17=-331/635, 15-16=-65/121, 14-15=-65/121, 13-14=-23/21
WEBS 3-24=0/251, 3-22=-599/486, 4-22=-1877/1042, 4-21=-786/1268, 5-21=-1457/858, 5-20=-86/304, 5-19=-613/1072, 6-19=-389/397, 8-19=-233/157, 8-18=-248/591, 8-17=-874/674, 9-17=-426/613, 9-16=-504/398, 10-16=-436/881, 11-14=-248/305, 10-14=-1504/723

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 120mph (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.
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 222 lb uplift at joint 2, 1231 lb uplift at joint 22 and 783 lb uplift at joint 14.

LOAD CASE(S) Standard

Samuel A. Greenberg, P.E.
DANSCO Engineering, LLC
P.O. Box 3400
Apollo Beach, FL 33572
CA 25948

Date: 9/17/07

Warning!—Verify design parameters and read notes before use.
This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 *National Design Standard for Metal Plate Connected Wood Truss Construction* and BCSI 1-03 Guide to *Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses* from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719

Job	Truss	Truss Type	Qty	Ply	SPARKS CONST/FULTON
JAX0351	H2D	COMMON	1	1	*DE Job # 4786-E1*
					Job Reference (optional)

84 COMPONENTS, APOPKA, FL 10-1-2 10-1-2 6.500 s Mar 8 2007 MiTek Industries, Inc. Mon Sep 17 14:57:36 2007 Page 10-1-2

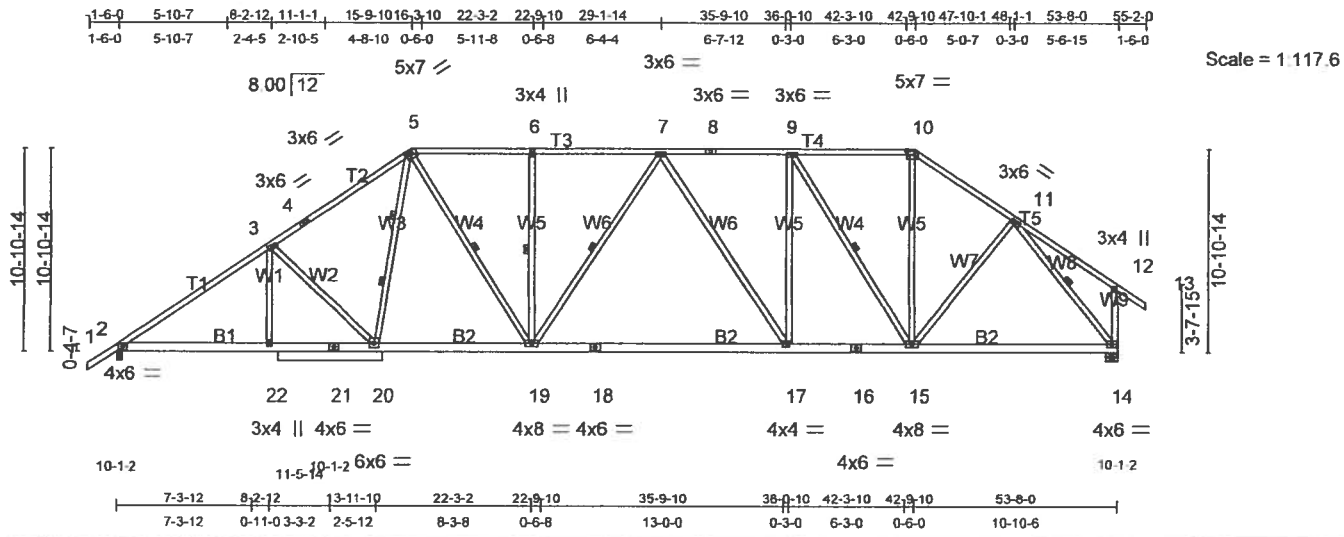


Plate Offsets (X,Y): [5:0-3-8,0-1-14], [10:0-5-4,0-2-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.44	Vert(LL)	-0.26	17-19	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.50	Vert(TL)	-0.45	17-19	>999	240		
BCLL	10.0	Rep Stress Incr	NO	WB	0.78	Horz(TL)	0.04	14	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 400 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 6 SYP No.2
WEBS 2 X 4 SYP No.3 *Except*
W9 2 X 4 SYP No.2

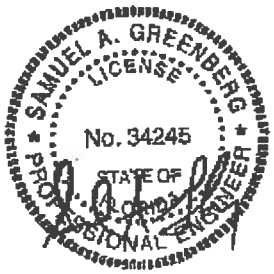
BRACING
TOP CHORD Structural wood sheathing directly applied or 4-11-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-2-0 oc bracing.
WEBS 1 Row at midpt 5-19, 6-19, 7-19, 9-15, 11-14
2 Rows at 1/3 pts 5-20

REACTIONS (lb/size) 2=454/0-3-8, 14=1677/0-7-4, 20=2530/5-6-12
Max Horz 2=424(LC 3)
Max Uplift2=-238(LC 4), 14=-721(LC 2), 20=-1177(LC 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-258/71, 3-4=-188/288, 4-5=-170/493, 5-6=-865/648, 6-7=-865/648, 7-8=-1464/955, 8-9=-1464/955, 9-10=-1196/774, 10-11=-1504/853, 11-12=-193/227, 12-13=0/49, 12-14=-305/353
BOT CHORD 2-22=-167/391, 21-22=-167/391, 20-21=-167/391, 19-20=-137/258, 18-19=-740/1289, 17-18=-740/1289, 16-17=-706/1464, 15-16=-706/1464, 14-15=-453/1022
WEBS 3-22=0/268, 3-20=-605/490, 5-20=-1984/1020, 5-19=-882/1603, 6-19=-350/410, 7-19=-773/509, 7-17=-85/320, 9-17=0/133, 9-15=-506/467, 10-15=-201/456, 11-15=-268/269, 11-14=-1527/718

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 120mph (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.
3) Provide adequate drainage to prevent water ponding.
4) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 238 lb uplift at joint 2, 721 lb uplift at joint 14 and 1177 lb uplift at joint 20.

LOAD CASE(S) Standard



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CA 25948

Date: 9/17/07

Job	Truss	Truss Type	Qty	Ply	SPARKS CONST/FULTON
JAX0351	H2E	COMMON	1	1	*DE Job # 4786-E1*
					Job Reference (optional)

84 COMPONENTS, APOPKA, FL 10-1-2 10-1-2 6.500 s Mar 8 2007 MiTek Industries, Inc. Mon Sep 17 14:57:37 2007 Page 10-1-2

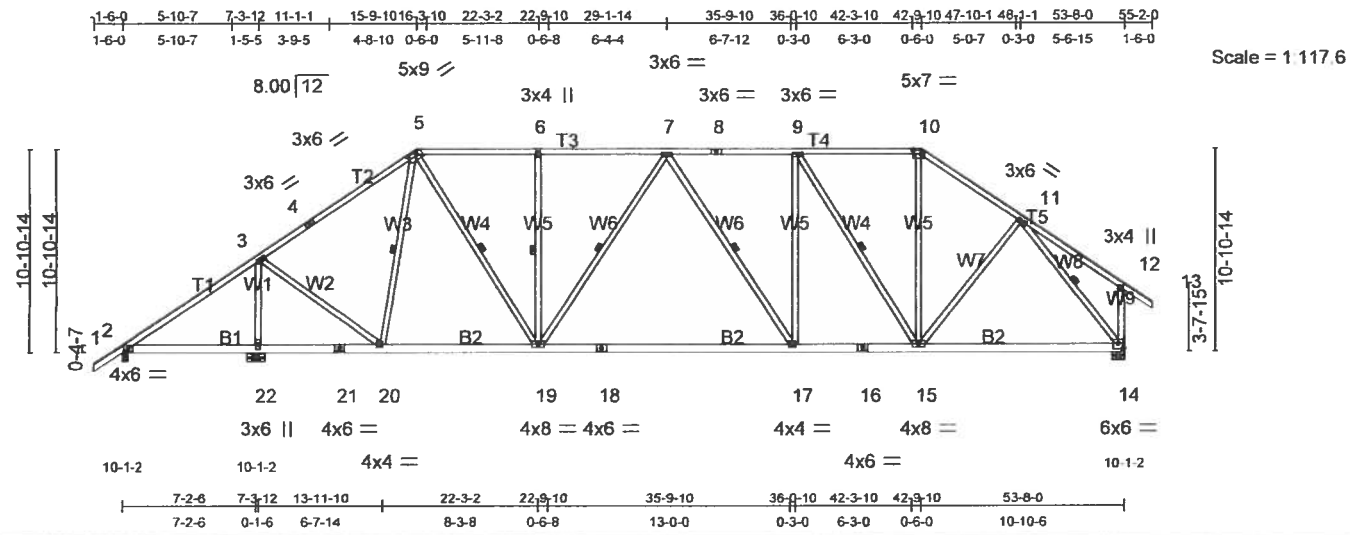


Plate Offsets (X,Y): [5:0-5-8,0-1-12], [10:0-5-4,0-2-4], [14:0-3-0,0-3-12]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.54	Vert(LL)	-0.31	17-19	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.56	Vert(TL)	-0.52	17-19	>999	240		
BCLL	10.0	Rep Stress Incr	NO	WB	0.93	Horz(TL)	0.06	14	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 399 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 6 SYP No.2
WEBS 2 X 4 SYP No.3 *Except*
W9 2 X 4 SYP No.2

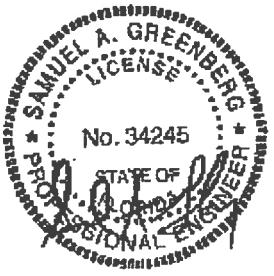
BRACING
TOP CHORD Structural wood sheathing directly applied or 4-1-13 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 5-20, 5-19, 6-19, 7-19, 7-17, 9-15, 11-14

REACTIONS (lb/size) 2=123/0-3-8, 14=1988/0-7-4, 22=2550/0-11-12
Max Horz 2=424(LC 3)
Max Uplift2=-87(LC 4), 14=-823(LC 2), 22=-1158(LC 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-379/475, 3-4=-1335/559, 4-5=-1207/591, 5-6=-1789/954, 6-7=-1789/954, 7-8=-1979/1125, 8-9=-1979/1125, 9-10=-1518/880, 10-11=-1886/980, 11-12=-199/229, 12-13=0/49, 12-14=-310/354
BOT CHORD 2-22=-294/380, 21-22=-294/380, 20-21=-294/380, 19-20=-670/1143, 18-19=-1084/2009, 17-18=-1084/2009, 16-17=-951/1979, 15-16=-951/1979, 14-15=-532/1262
WEBS 3-22=-2267/1172, 3-20=-712/1605, 5-20=-810/473, 5-19=-772/1234, 6-19=-335/415, 7-19=-403/384, 7-17=-55/242, 9-17=-136/370, 9-15=-869/640, 10-15=-270/666, 11-15=-328/395, 11-14=-1913/846

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 120mph (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.
3) Provide adequate drainage to prevent water ponding.
4) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 87 lb uplift at joint 2, 823 lb uplift at joint 14 and 1158 lb uplift at joint 22.

LOAD CASE(S) Standard



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Date: 9/17/07

Job	Truss	Truss Type	Qty	Ply	SPARKS CONST/FULTON
JAX0351	H2F	COMMON	1	1	*DE Job # 4786-E1*

Job Reference (optional)

84 COMPONENTS, APOPKA, FL 6.500 s Mar 8 2007 MiTek Industries, Inc. Mon Sep 17 14:57:38 2007 Page

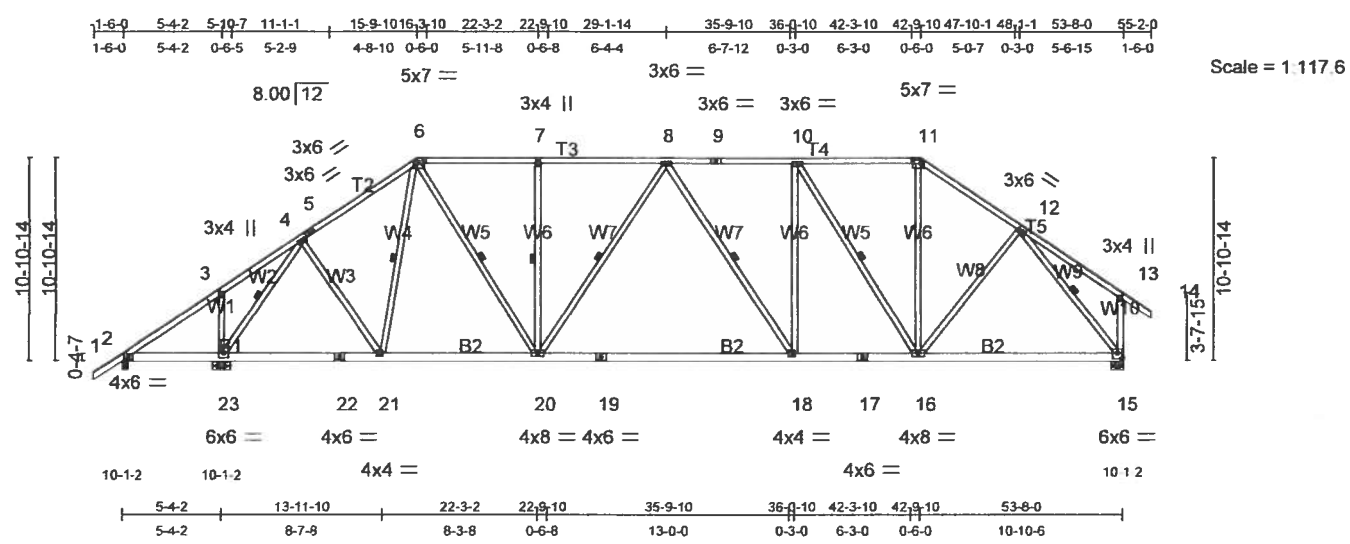


Plate Offsets (X,Y) [6:0-4-8,0-1-12], [11:0-5-4,0-2-4], [15:0-3-0,0-3-12]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.45	Vert(LL)	-0.33	18-20	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.58	Vert(TL)	-0.55	18-20	>999	240		
BCLL	10.0	Rep Stress Incr	NO	WB	0.75	Horz(TL)	0.08	15	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 407 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 6 SYP No.2
WEBS 2 X 4 SYP No.3 *Except*
W10 2 X 4 SYP No.2

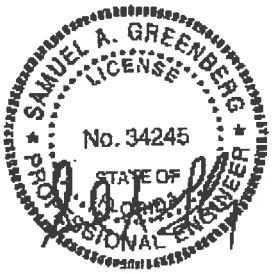
BRACING
TOP CHORD Structural wood sheathing directly applied or 4-1-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 6-21, 6-20, 7-20, 8-20, 8-18, 10-16, 12-15, 4-23

REACTIONS (lb/size) 2=74/0-3-8, 15=2087/0-7-4, 23=2501/0-11-12
Max Horz 2=424(LC 3)
Max Uplift2=-56(LC 4), 15=-850(LC 2), 23=-1110(LC 3)
Max Grav 2=120(LC 3), 15=2087(LC 1), 23=2501(LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-362/394, 3-4=-217/377, 4-5=-1806/826, 5-6=-1794/855, 6-7=-2083/1095, 7-8=-2083/1095, 8-9=-2143/1169, 9-10=-2143/1169, 10-11=-1620/908, 11-12=-2008/1012, 12-13=-201/229, 13-14=0/49, 13-15=-312/355
BOT CHORD 2-23=-261/356, 22-23=-658/1057, 21-22=-658/1057, 20-21=-833/1493, 19-20=-1193/2237, 18-19=-1193/2237, 17-18=-1030/2143, 16-17=-1030/2143, 15-16=-553/1338
WEBS 3-23=-263/318, 4-21=-388/671, 6-21=-363/370, 6-20=-733/1128, 7-20=-355/404, 8-20=-281/354, 8-18=-171/298, 10-18=-182/468, 10-16=-986/696, 11-16=-288/733, 12-16=-347/435, 12-15=-2036/878, 4-23=-2360/1106

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 120mph (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.
3) Provide adequate drainage to prevent water ponding.
4) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 56 lb uplift at joint 2, 850 lb uplift at joint 15 and 1110 lb uplift at joint 23.

LOAD CASE(S) Standard



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Date: 9/17/07

Job	Truss	Truss Type	Qty	Ply	SPARKS CONST/FULTON
JAX0351	H2G	GABLE	1	1	*DE Job # 4786-E1*
					Job Reference (optional)

84 COMPONENTS, APOPKA, FL 10-1-2 10-1-2 6.500 s Mar 8 2007 MiTek Industries, Inc. Mon Sep 17 14:57:39 2007 Page 1

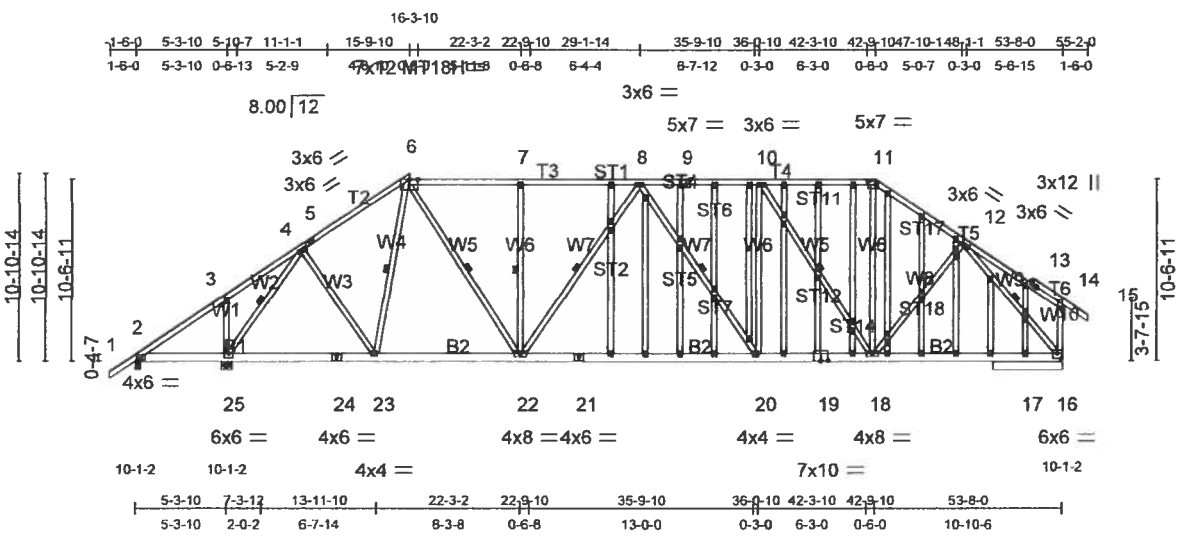


Plate Offsets (X,Y): [9:0-3-4,0-3-4], [11:0-5-4,0-2-4], [16:0-3-0,0-3-12], [19:0-5-0,0-0-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.39	Vert(LL)	-0.33	20-22	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.61	Vert(TL)	-0.55	20-22	>999	240	MT18H	244/190
BCLL	10.0	Rep Stress Incr	NO	WB	0.75	Horz(TL)	0.08	16	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 568 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 6 SYP No.2
WEBS 2 X 4 SYP No.3 *Except*
W10 2 X 4 SYP No.2
OTHERS 2 X 4 SYP No.3

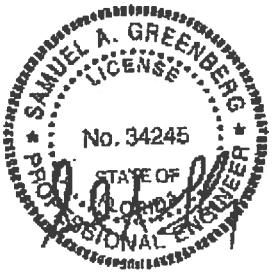
BRACING
TOP CHORD Structural wood sheathing directly applied or 4-0-13 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 6-23, 6-22, 7-22, 8-22, 8-20, 10-18, 12-16, 4-25

REACTIONS (lb/size) 2=58/0-3-8, 16=1762/4-0-0, 25=2502/0-7-4, 17=340/4-0-0
Max Horz 2=414(LC 3)
Max Uplift2=-58(LC 4), 16=-883(LC 2), 25=-1118(LC 3)
Max Grav 2=124(LC 3), 16=1762(LC 1), 25=2502(LC 1), 17=340(LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-368/417, 3-4=-221/397, 4-5=-1791/830, 5-6=-1775/854, 6-7=-2131/1127, 7-8=-2131/1127, 8-9=-2177/1203, 9-10=-2177/1203, 10-11=-1608/934, 11-12=-1992/1045, 12-13=-48/248, 13-14=-130/220, 14-15=0/43, 14-16=-280/373
BOT CHORD 2-25=-280/366, 24-25=-651/1045, 23-24=-651/1045, 22-23=-856/1531, 21-22=-1233/2282, 20-21=-1233/2282, 19-20=-1066/2177, 18-19=-1066/2177, 17-18=-602/1360, 16-17=-602/1360
WEBS 3-25=-269/323, 4-23=-422/737, 6-23=-415/400, 6-22=-740/1120, 7-22=-356/405, 8-22=-269/357, 8-20=-187/297, 10-20=-178/509, 10-18=-1046/697, 11-18=-310/733, 12-18=-331/380, 12-16=-2073/889, 4-25=-2359/1112

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 120mph (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.
3) 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"
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) All plates are 3x4 MT20 unless otherwise indicated.
7) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
8) Gable studs spaced at 2-0-0 oc.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 58 lb uplift at joint 2, 883 lb uplift at joint 16 and 1118 lb uplift at joint 25.

LOAD CASE(S) Standard



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CA 25948

Date: 9/17/07

Job	Truss	Truss Type	Qty	Ply	SPARKS CONST/FULTON
JAX0351	H3	MONO HIP	2	1	*DE Job # 4786-E1*
					Job Reference (optional)

84 COMPONENTS, APOPKA, FL 6.500 s Mar 8 2007 MiTek Industries, Inc. Mon Sep 17 14:57:39 2007 Page

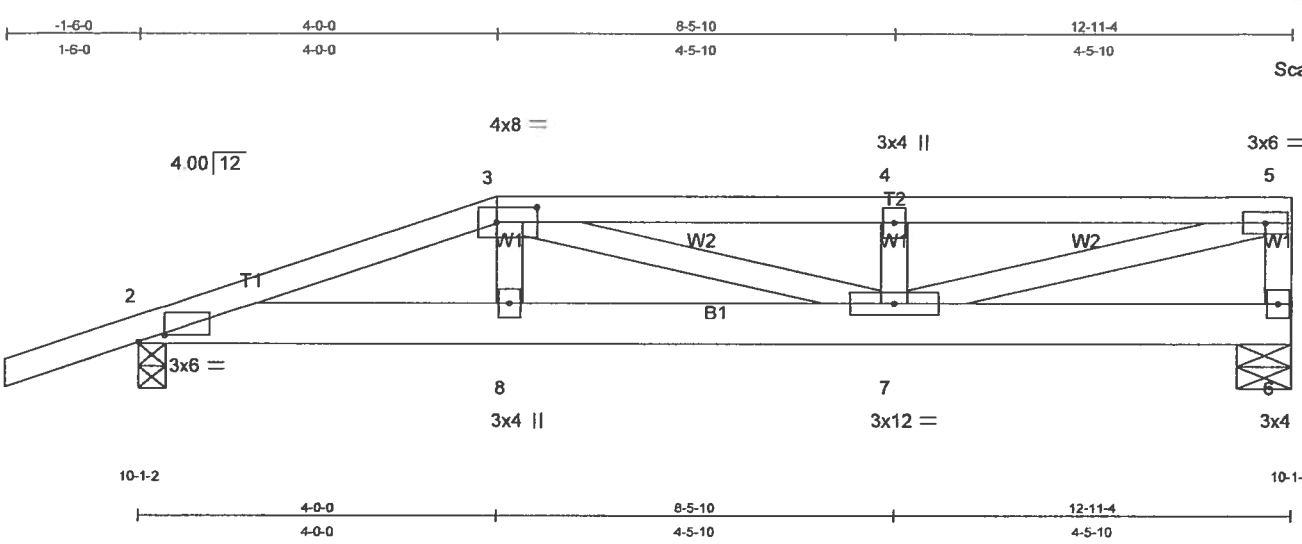

Plate Offsets (X,Y): [2:0-3-6,0-0-14], [3:0-5-8,0-2-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.47	Vert(LL)	-0.07	7-8	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.39	Vert(TL)	-0.12	7-8	>999	240		
BCLL	10.0	Rep Stress Incr	NO	WB	0.44	Horz(TL)	0.02	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 69 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 6 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-6-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-6-0 oc bracing.

REACTIONS (lb/size) 6=633/0-7-4, 2=858/0-3-8
Max Horz 2=113(LC 2)
Max Uplift6=-303(LC 2), 2=-485(LC 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/28, 2-3=-1882/848, 3-4=-1495/714, 4-5=-1495/714, 5-6=-520/286
BOT CHORD 2-8=-834/1755, 7-8=-847/1806, 6-7=-98/182
WEBS 3-8=-129/448, 3-7=-324/180, 4-7=-222/205, 5-7=-642/1370

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 120mph (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.
3) Provide adequate drainage to prevent water ponding.
4) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 303 lb uplift at joint 6 and 485 lb uplift at joint 2.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 340 lb down and 164 lb up at 4-0-0 on bottom 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: 1-3=-54, 3-5=-54, 2-6=-30
Concentrated Loads (lb)
Vert: 8=-340(F)

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CA 25948

Date: 9/17/07

Job	Truss	Truss Type	Qty	Ply	SPARKS CONST/FULTON
JAX0351	H3A	MONO HIP	2	1	*DE Job # 4786-E1*
					Job Reference (optional)

84 COMPONENTS, APOPKA, FL 6.500 s Mar 8 2007 MiTek Industries, Inc. Mon Sep 17 14:57:40 2007 Page

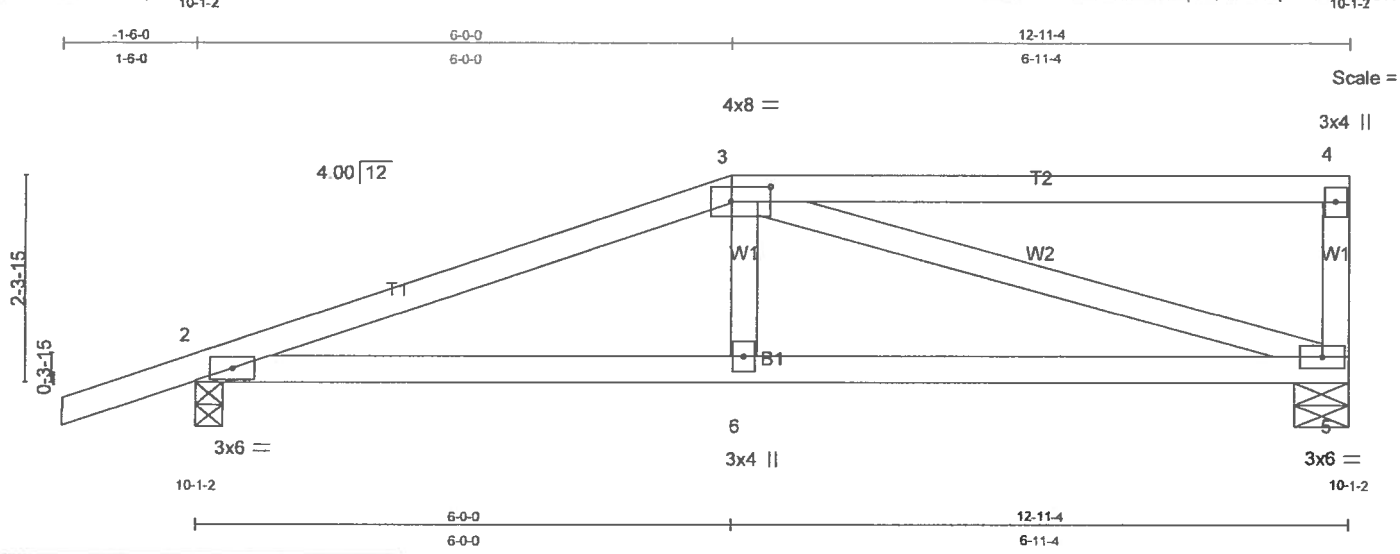


Plate Offsets (X,Y): [3:0-5-4,0-2-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.68	Vert(LL)	-0.06	2-6	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.32	Vert(TL)	-0.10	2-6	>999	240		
BCLL	10.0	Rep Stress Incr	NO	WB	0.71	Horz(TL)	0.02	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 56 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

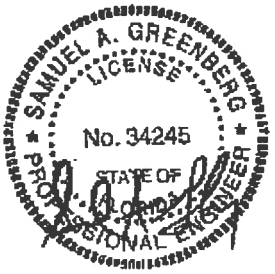
BRACING
TOP CHORD Structural wood sheathing directly applied or 5-11-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-2-5 oc bracing.

REACTIONS (lb/size) 5=525/0-7-4, 2=626/0-3-8
Max Horz 2=148(LC 2)
Max Uplift5=-257(LC 2), 2=-368(LC 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/24, 2-3=-1035/441, 3-4=-148/78, 4-5=-182/158
BOT CHORD 2-6=-467/936, 5-6=-464/950
WEBS 3-6=0/201, 3-5=-838/407

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 120mph (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.
3) Provide adequate drainage to prevent water ponding.
4) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 257 lb uplift at joint 5 and 368 lb uplift at joint 2.

LOAD CASE(S) Standard



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Date: 9/17/07

Job	Truss	Truss Type	Qty	Ply	SPARKS CONST/FULTON
JAX0351	H3B	MONO HIP	2	1	*DE Job # 4786-E1*
					Job Reference (optional)

84 COMPONENTS, APOPKA, FL 10-1-2 — 6.500 s Mar 8 2007 MiTek Industries, Inc. Mon Sep 17 14:57:40 2007 Page 10-1-2

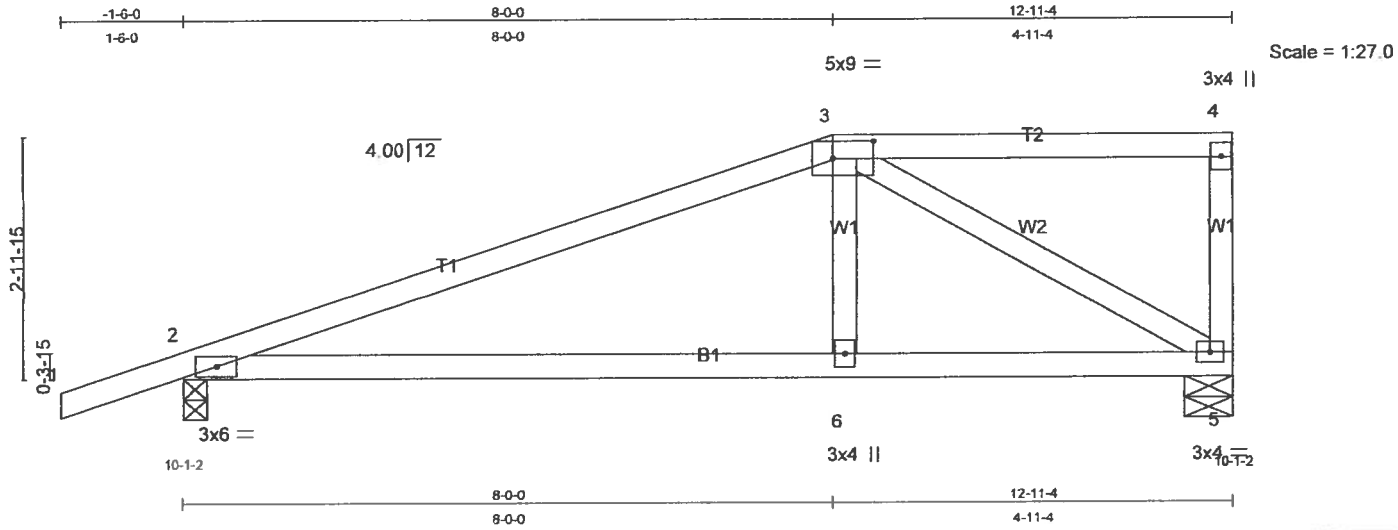


Plate Offsets (X,Y): [3:0-6-0,0-2-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.49	Vert(LL)	-0.16	2-6	>972	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.46	Vert(TL)	-0.26	2-6	>586	240		
BCLL	10.0	Rep Stress Incr	NO	WB	0.42	Horz(TL)	0.02	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 56 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

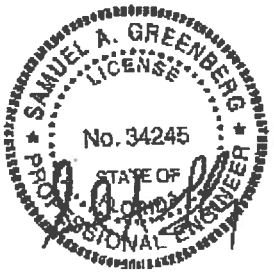
BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-9-2 oc bracing.

REACTIONS (lb/size) 5=525/0-7-4, 2=626/0-3-8
Max Horz 2=185(LC 2)
Max Uplift5=-264(LC 2), 2=-361(LC 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/24, 2-3=-837/333, 3-4=-10/14, 4-5=-77/85
BOT CHORD 2-6=-380/733, 5-6=-378/747
WEBS 3-6=0/252, 3-5=-846/429

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 120mph (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.
3) Provide adequate drainage to prevent water ponding.
4) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 264 lb uplift at joint 5 and 361 lb uplift at joint 2.

LOAD CASE(S) Standard



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CA 25948

Date: 9/17/07

Job	Truss	Truss Type	Qty	Ply	SPARKS CONST/FULTON
JAX0351	H4	ATTIC	13	1	*DE Job # 4786-E1*
					Job Reference (optional)

84 COMPONENTS, APOPKA, FL 6.500 s Mar 8 2007 MiTek Industries, Inc. Mon Sep 17 14:57:41 2007 Page

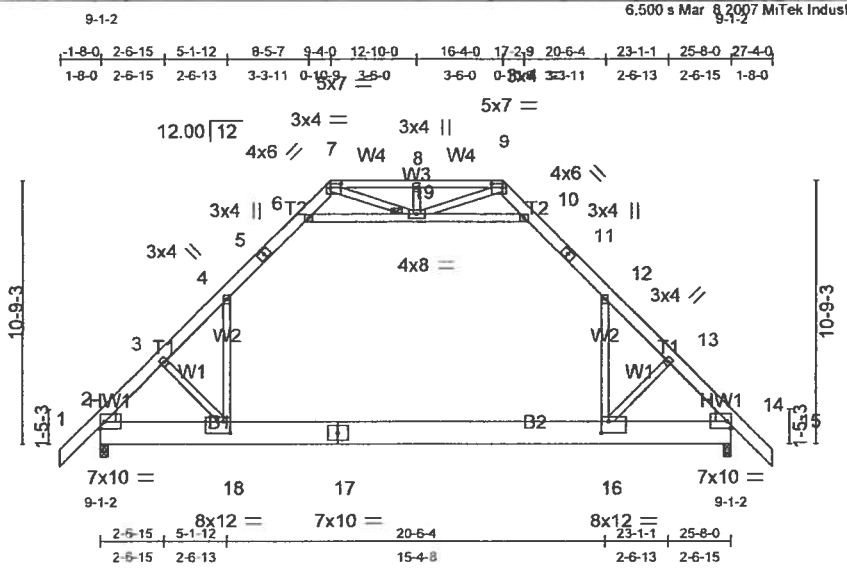


Plate Offsets (X,Y): [7:0-5-4,0-1-12], [9:0-5-4,0-1-12], [16:0-3-8,0-5-12], [18:0-3-8,0-5-12]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.57	Vert(LL)	-0.42	16-18	>726	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.55	Vert(TL)	-0.52	16-18	>582	240		
BCLL	10.0	Rep Stress Incr	NO	WB	0.46	Horz(TL)	0.01	14	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 261 lb	

LUMBER
TOP CHORD 2 X 6 SYP SS *Except*
T3 2 X 4 SYP No.2
BOT CHORD 2 X 12 SYP No.2
WEBS 2 X 4 SYP No.3 *Except*
W3 2 X 4 SYP No.2, W2 2 X 4 SYP No.2, W2 2 X 4 SYP No.2
WEDGE
Left: 2 X 6 SYP No.2, Right: 2 X 6 SYP No.2

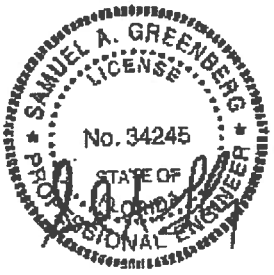
BRACING
TOP CHORD Structural wood sheathing directly applied or 4-8-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): 19

REACTIONS (lb/size) 2=1702/0-3-8, 14=1702/0-3-8
Max Horz 2=-422(LC 2)
Max Uplift2=-476(LC 4), 14=-476(LC 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/48, 2-3=-2080/390, 3-4=-1990/423, 4-5=-1140/351, 5-6=-1018/378, 6-7=-2/388, 9-10=-1/388, 10-11=-1018/378, 11-12=-1140/350, 12-13=-1990/422, 13-14=-2080/389, 14-15=0/48, 7-8=0/444, 8-9=0/444
BOT CHORD 2-18=-343/1271, 17-18=-241/1120, 16-17=-241/1120, 14-16=-162/1271
WEBS 6-19=-1690/561, 10-19=-1690/560, 4-18=-108/1064, 12-16=-107/1064, 3-18=-232/268, 13-16=-232/270, 8-19=-211/168, 7-19=-327/409, 9-19=-327/409

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 120mph (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.
3) Provide adequate drainage to prevent water ponding.
4) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
5) Ceiling dead load (5.0 psf) on member(s). 4-6, 10-12, 6-19, 10-19
6) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 16-18
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 476 lb uplift at joint 2 and 476 lb uplift at joint 14.

LOAD CASE(S) Standard



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CA 25948

Date: 9/17/07

Job	Truss	Truss Type	Qty	Ply	SPARKS CONST/FULTON
JAX0351	H4A	GABLE	2	1	*DE Job # 4786-E1*
					Job Reference (optional)

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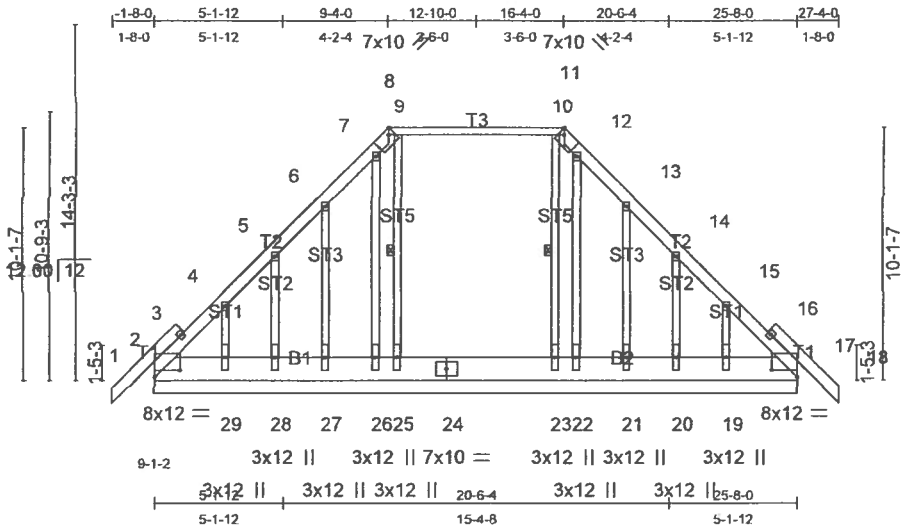

Plate Offsets (X,Y): [2:1-0-1,0-3-5], [8:0-2-8,Edge], [11:0-2-8,Edge], [17:1-0-1,0-3-5]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.28	Vert(LL)	0.00	17	n/r	120	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.03	Vert(TL)	-0.00	17	n/r	120		
BCLL	10.0	Rep Stress Incr	NO	WB	0.18	Horz(TL)	0.00	17	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 304 lb	

LUMBER
TOP CHORD 2 X 6 SYP No.2 *Except* T3 2 X 4 SYP No.2
BOT CHORD 2 X 12 SYP No.2
OTHERS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 9-25, 10-23

REACTIONS (lb/size) 2=238/25-8-0, 17=238/25-8-0, 25=501/25-8-0, 23=501/25-8-0, 26=-107/25-8-0, 27=155/25-8-0, 28=146/25-8-0, 29=245/25-8-0, 22=-107/25-8-0, 21=155/25-8-0, 20=146/25-8-0, 19=245/25-8-0
Max Horz 2=399(LC 3)
Max Uplift 2=-148(LC 2), 17=-103(LC 3), 25=-228(LC 3), 23=-207(LC 3), 26=-107(LC 1), 27=-186(LC 4), 28=-198(LC 4), 29=-183(LC 4), 22=-107(LC 1), 21=-188(LC 5), 20=-197(LC 5), 19=-188(LC 5)
Max Grav 2=238(LC 1), 17=238(LC 1), 25=501(LC 1), 23=501(LC 1), 26=127(LC 2), 27=155(LC 1), 28=146(LC 1), 29=245(LC 1), 22=108(LC 3), 21=155(LC 1), 20=146(LC 1), 19=245(LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/44, 2-3=-344/223, 3-4=-330/233, 4-5=-193/224, 5-6=-101/217, 6-7=-78/215, 7-8=-18/182, 11-12=-3/176, 12-13=-78/178, 13-14=-101/143, 14-15=-147/151, 15-16=-294/162, 16-17=-308/150, 17-18=0/44, 8-9=-41/212, 9-10=-41/212, 10-11=-41/212
BOT CHORD 2-29=-100/387, 28-29=-100/388, 27-28=-99/388, 26-27=-99/389, 25-26=-99/389, 24-25=-99/389, 23-24=-99/389, 22-23=-99/389, 21-22=-99/389, 20-21=-98/388, 19-20=-98/387, 17-19=-98/386
WEBS 9-25=-277/273, 10-23=-277/252, 7-26=-145/21, 6-27=-76/201, 5-28=-111/208, 4-29=-131/199, 12-22=-125/21, 13-21=-78/203, 14-20=-111/207, 15-19=-131/201

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 120mph (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.
3) 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"
4) Provide adequate drainage to prevent water ponding.
5) All plates are 3x4 MT20 unless otherwise indicated.
6) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
7) Gable requires continuous bottom chord bearing.
8) Gable studs spaced at 2-0-0 oc.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 148 lb uplift at joint 2, 103 lb uplift at joint 17, 228 lb uplift at joint 25, 207 lb uplift at joint 23, 107 lb uplift at joint 26, 186 lb uplift at joint 27, 198 lb uplift at joint 28, 183 lb uplift at joint 29, 107 lb uplift at joint 22, 188 lb uplift at joint 21, 197 lb uplift at joint 20 and 188 lb uplift at joint 19.
10) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2, 17.

LOAD CASE(S) Standard

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CA 25948

Date: 9/17/07

Job	Truss	Truss Type	Qty	Ply	SPARKS CONST/FULTON
JAX0351	H4B	ATTIC	4	2	*DE Job # 4786-E1*
					Job Reference (optional)

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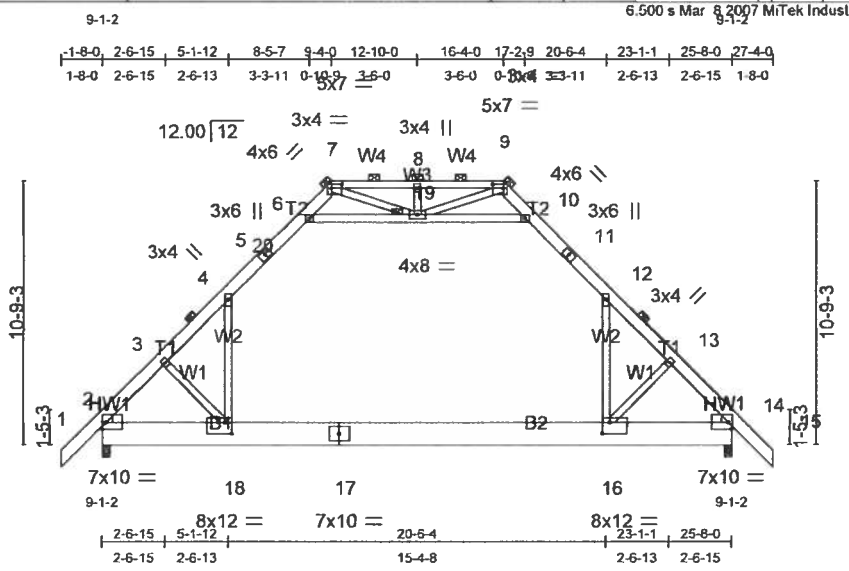

Scale = 1:89.4

Plate Offsets (X,Y): [7:0-5-4,0-1-12], [9:0-5-4,0-1-12], [16:0-3-8,0-5-12], [18:0-3-8,0-5-12]

LOADING (psf)		SPACING	3-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.70	Vert(LL)	-0.38	16-18	>793	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.68	Vert(TL)	-0.53	16-18	>571	240		
BCLL	10.0	Rep Stress Incr	NO	WB	0.22	Horz(TL)	0.02	14	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 520 lb	

LUMBER
TOP CHORD 2 X 6 SYP SS *Except*
T3 2 X 4 SYP No.2
BOT CHORD 2 X 12 SYP No.2
WEBS 2 X 4 SYP No.3 *Except*
W3 2 X 4 SYP No.2, W2 2 X 4 SYP No.2, W2 2 X 4 SYP No.2
WEDGE
Left: 2 X 4 SYP No.2, Right: 2 X 4 SYP No.2

BRACING
TOP CHORD 2-0-0 oc purlins (6-0-0 max.)
(Switched from sheeted: Spacing > 2-0-0).
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): 7, 9, 19

REACTIONS (lb/size) 2=3938/0-3-8, 14=2968/0-3-8
Max Horz 2=-633(LC 2)
Max Uplift2=-1590(LC 4), 14=-977(LC 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/72, 2-3=-4132/1302, 3-4=-4006/1311, 4-20=-3349/1716, 5-20=-2038/779, 5-6=-1912/812, 6-7=-176/684, 9-10=-307/811, 10-11=-2037/890, 11-12=-2221/848, 12-13=-4033/1328, 13-14=-4168/1337, 14-15=0/72, 7-8=-247/849, 8-9=-247/849
BOT CHORD 2-18=-1058/2601, 17-18=-859/2314, 16-17=-859/2314, 14-16=-729/2527
WEBS 6-19=-3483/1440, 10-19=-3981/1754, 4-18=0/1258, 12-16=-747/2348, 3-18=-433/457, 13-16=-330/394, 8-19=-357/285, 7-19=-344/427, 9-19=-760/957

NOTES
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2 X 6 - 2 rows at 0-7-0 oc, 2 X 4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2 X 12 - 2 rows 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) This truss has been checked for uniform roof live load only, except as noted.
4) Wind: ASCE 7-02; 120mph (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.
5) Provide adequate drainage to prevent water ponding.
6) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
7) Ceiling dead load (5.0 psf) on member(s). 4-6, 10-12, 6-19, 10-19
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 16-18
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1590 lb uplift at joint 2 and 977 lb uplift at joint 14.
10) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1800 lb down and 1411 lb up at 6-0-0 on top 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

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Date: 9/17/07

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	SPARKS CONST/FULTON
JAX0351	H4B	ATTIC	4	2	*DE Job # 4786-E1* Job Reference (optional)

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LOAD CASE(S) Standard
Uniform Loads (plf)
Vert: 2-18=-45, 16-18=-135, 14-16=-45, 1-4=-81, 4-6=-96, 6-7=-81, 9-10=-81, 10-12=-96, 12-15=-81, 6-10=-15, 7-9=-81
Concentrated Loads (lb)
Vert: 20=-1800(F)

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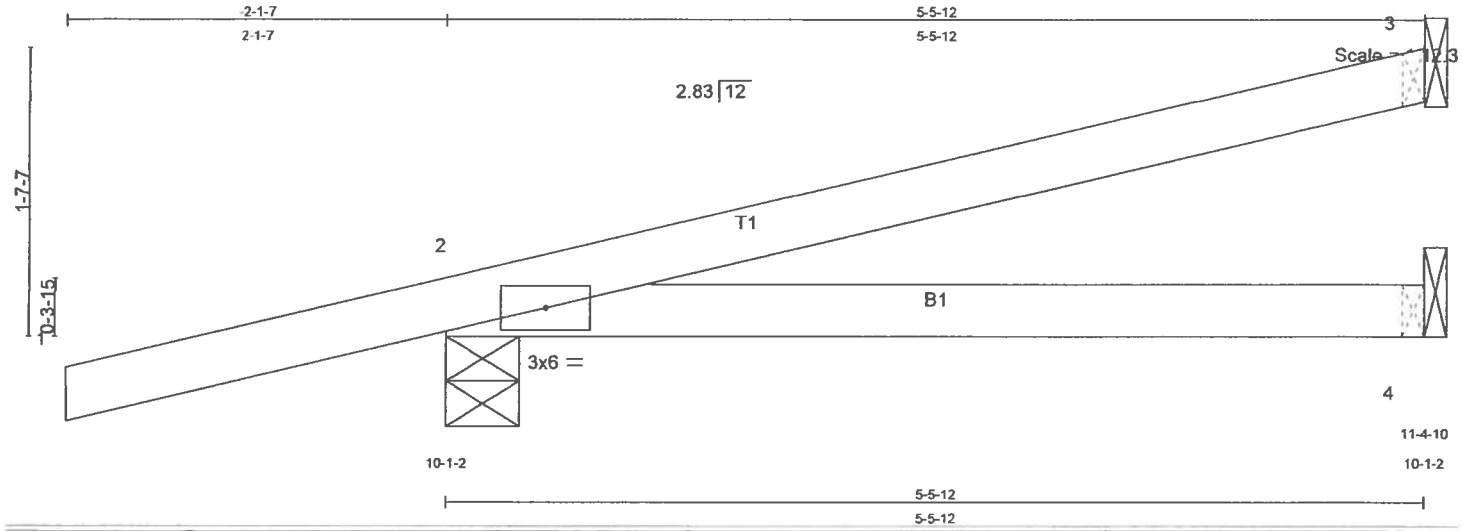
CA 25948

Date: 9/17/07

Job	Truss	Truss Type	Qty	Ply	SPARKS CONST/FULTON
JAX0351	HJ4	JACK	2	1	**DE Job # 4786-E1**

84 COMPONENTS, APOPKA, FL — Job Reference (optional) — 11-4-10

10-1-2 — 6.500 s Mar 8 2007 MiTek Industries, Inc. Mon Sep 17 14:57:43 2007 Page 10-1-2



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.32	Vert(LL)	-0.03	2-4	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.15	Vert(TL)	-0.05	2-4	>999	240		
BCLL	10.0	Rep Stress Incr	NO	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 5-5-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=103/Mechanical, 2=259/0-4-15, 4=71/Mechanical
Max Horz 2=86(LC 2)
Max Uplift3=-83(LC 2), 2=-236(LC 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/25, 2-3=-28/16
BOT CHORD 2-4=0/0

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 120mph (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.
3) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 83 lb uplift at joint 3 and 236 lb uplift at joint 2.
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
Trapezoidal Loads (plf)
Vert: 2=-3(F=26, B=26)-to-3=-74(F=-10, B=-10), 2=0(F=15, B=15)-to-4=-41(F=-6, B=-6)

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CA 25948

Date: 9/17/07

Job	Truss	Truss Type	Qty	Ply	SPARKS CONST/FULTON
JAX0351	J2	JACK	4	1	DE Job # 4786-E1

Job Reference (optional)

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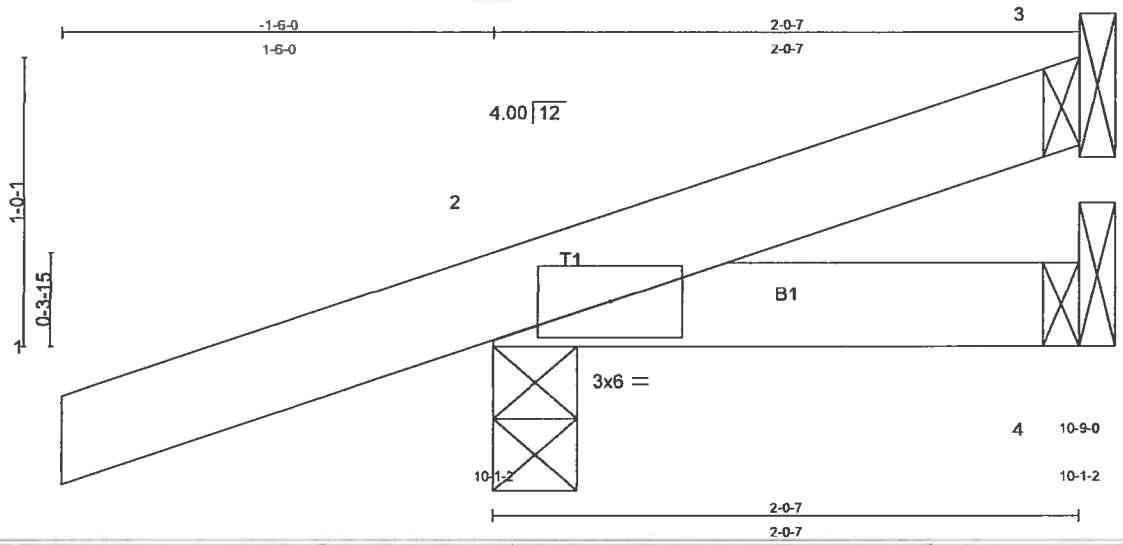

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.14	Vert(LL)	-0.00	2	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.02	Vert(TL)	-0.00	2-4	>999	240		
BCLL	10.0	Rep Stress Incr	NO	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 9 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 2-0-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=9/Mechanical, 2=206/0-3-8, 4=27/Mechanical
Max Horz 2=74(LC 2)
Max Uplift 3=-14(LC 5), 2=-198(LC 2)
Max Grav 3=12(LC 6), 2=206(LC 1), 4=27(LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/24, 2-3=-31/4
BOT CHORD 2-4=0/0

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 120mph (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.
3) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 14 lb uplift at joint 3 and 198 lb uplift at joint 2.

LOAD CASE(S) Standard

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Date: 9/17/07

Job	Truss	Truss Type	Qty	Ply	SPARKS CONST/FULTON
JAX0351	JK5	MONO TRUSS	2	1	DE Job # 4786-E1
					Job Reference (optional)

84 COMPONENTS, APOPKA, FL 6.500 s Mar 8 2007 MiTek Industries, Inc. Mon Sep 17 14:57:43 2007 Page

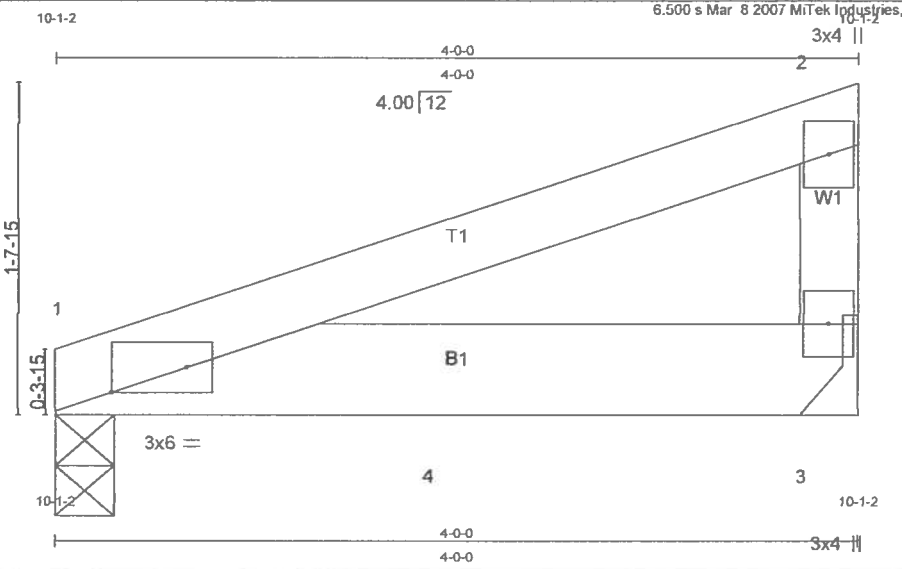


Plate Offsets (X,Y): [1:0-4-8,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.19	Vert(LL)	-0.02	1-3	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.39	Vert(TL)	-0.03	1-3	>999	240		
BCLL	10.0	Rep Stress Incr	NO	WB	0.00	Horz(TL)	0.00		n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 17 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 6 SYP No.2
WEBS 2 X 4 SYP No.3

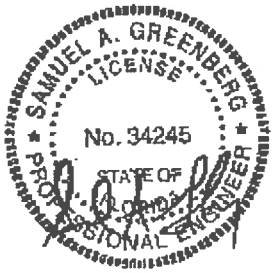
BRACING
TOP CHORD Structural wood sheathing directly applied or 4-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=336/0-3-8, 3=336/Mechanical
Max Horz 1=68(LC 2)
Max Uplift 1=-151(LC 2), 3=-173(LC 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-39/25, 2-3=-100/97
BOT CHORD 1-4=0/0, 3-4=0/0

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 120mph (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.
3) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 151 lb uplift at joint 1 and 173 lb uplift at joint 3.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 360 lb down and 173 lb up at 2-0-0 on bottom 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: 1-3=-30, 1-2=-54
Concentrated Loads (lb)
Vert: 4=-360(F)



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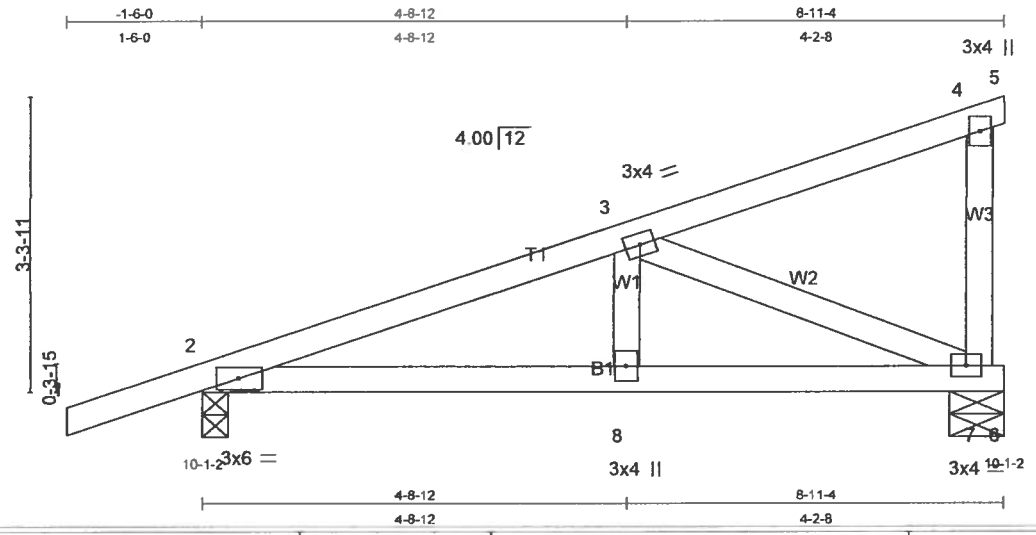
CA 25948

Date: 9/17/07

Job	Truss	Truss Type	Qty	Ply	SPARKS CONST/FULTON
JAX0351	M1	MONO TRUSS	23	1	*DE Job # 4786-E1*
					Job Reference (optional)

84 COMPONENTS, APOPKA, FL 10-1-2 6.500 s Mar 8 2007 MiTek Industries, Inc. Mon Sep 17 14:57.43 2007 Page 10-1-2



Scale = 1:24.4

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.14	Vert(LL)	-0.02	2-8	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.19	Vert(TL)	-0.04	2-8	>999	240		
BCLL	10.0	Rep Stress Incr	NO	WB	0.19	Horz(TL)	0.01	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 42 lb	

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

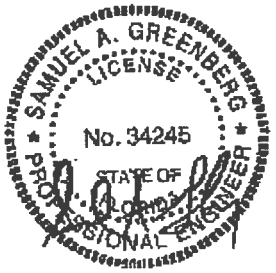
BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 7=361/0-7-4, 2=455/0-3-8
Max Horz 2=201(LC 2)
Max Uplift7=-198(LC 2), 2=-268(LC 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/24, 2-3=-611/174, 3-4=-41/20, 4-5=-1/0, 4-7=-87/93
BOT CHORD 2-8=-277/539, 7-8=-277/539, 6-7=0/0
WEBS 3-8=0/152, 3-7=-582/300

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 120mph (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.
3) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 198 lb uplift at joint 7 and 268 lb uplift at joint 2.

LOAD CASE(S) Standard



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Date: 9/17/07

Job	Truss	Truss Type	Qty	Ply	SPARKS CONST/FULTON
JAX0351	M1A	MONO TRUSS	4	1	*DE Job # 4786-E1*
					Job Reference (optional)

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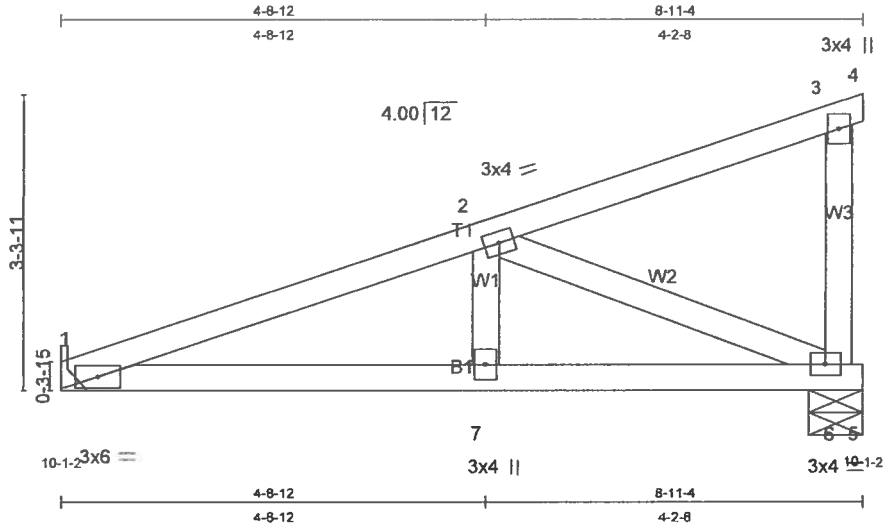


Plate Offsets (X,Y): [1:0-0-0,0-0-0], [2:0-0-0,0-0-0], [3:0-0-0,0-0-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.20	Vert(LL)	-0.02	1-7	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.20	Vert(TL)	-0.04	1-7	>999	240		
BCLL	10.0	Rep Stress Incr	NO	WB	0.20	Horz(TL)	0.01	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 39 lb	

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

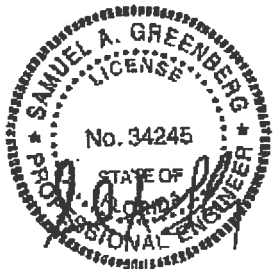
BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=358/Mechanical, 6=370/0-7-4
Max Horz 1=164(LC 2)
Max Uplift1=-143(LC 2), 6=-210(LC 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-630/212, 2-3=-42/18, 3-4=-1/0, 3-6=-83/87
BOT CHORD 1-7=-322/571, 6-7=-322/571, 5-6=0/0
WEBS 2-7=0/152, 2-6=-617/348

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 120mph (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.
3) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 143 lb uplift at joint 1 and 210 lb uplift at joint 6.

LOAD CASE(S) Standard



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Date: 9/17/07

Job	Truss	Truss Type	Qty	Ply	SPARKS CONST/FULTON
JAX0351	M1B	GABLE	1	1	*DE Job # 4786-E1*
					Job Reference (optional)

84 COMPONENTS, APOPKA, FL 10-1-2 — 6.500 s Mar 8 2007 MiTek Industries, Inc. Mon Sep 17 14:57:44 2007 Page

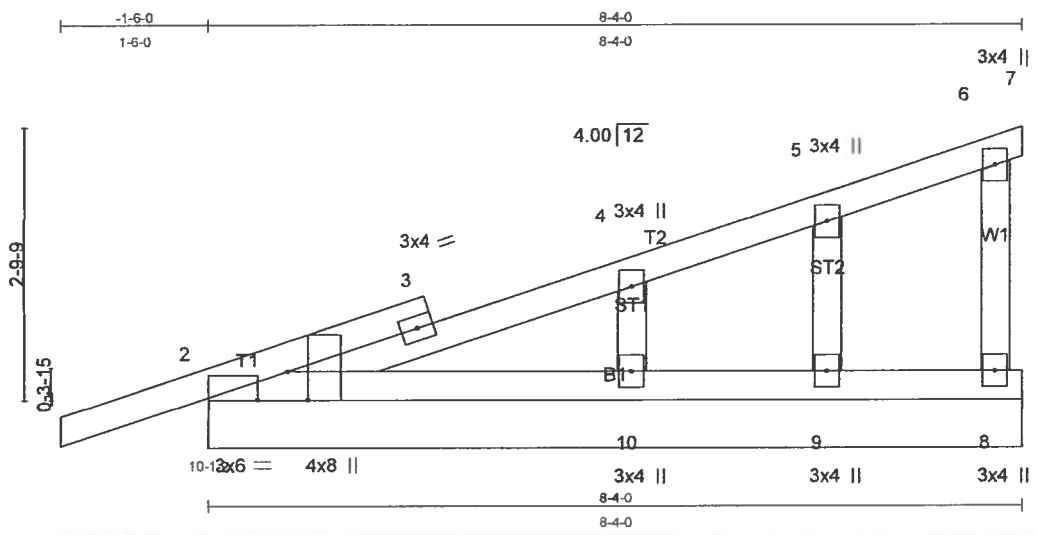

Plate Offsets (X,Y): [2:0-3-8,Edge], [2:0-3-12,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.12	Vert(LL)	0.00	1	n/r	120	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.10	Vert(TL)	0.00	1	n/r	120		
BCLL	10.0	Rep Stress Incr	NO	WB	0.04	Horz(TL)	-0.00	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 37 lb	

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

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

REACTIONS (lb/size) 2=251/8-4-0, 7=-16/8-4-0, 8=104/8-4-0, 9=101/8-4-0, 10=333/8-4-0
Max Horz 2=173(LC 2)
Max Uplift 2=-173(LC 2), 7=-16(LC 1), 8=-65(LC 2), 9=-76(LC 2), 10=-140(LC 2)
Max Grav 2=251(LC 1), 7=13(LC 2), 8=104(LC 1), 9=101(LC 1), 10=333(LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/24, 2-3=-117/0, 3-4=-112/37, 4-5=-55/8, 5-6=-23/15, 6-7=-10/4, 6-8=-78/70
BOT CHORD 2-10=0/0, 9-10=0/0, 8-9=0/0
WEBS 5-9=-73/82, 4-10=-199/167

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 120mph (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.
3) 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"
4) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) 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.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 173 lb uplift at joint 2, 16 lb uplift at joint 7, 65 lb uplift at joint 8, 76 lb uplift at joint 9 and 140 lb uplift at joint 10.

LOAD CASE(S) Standard

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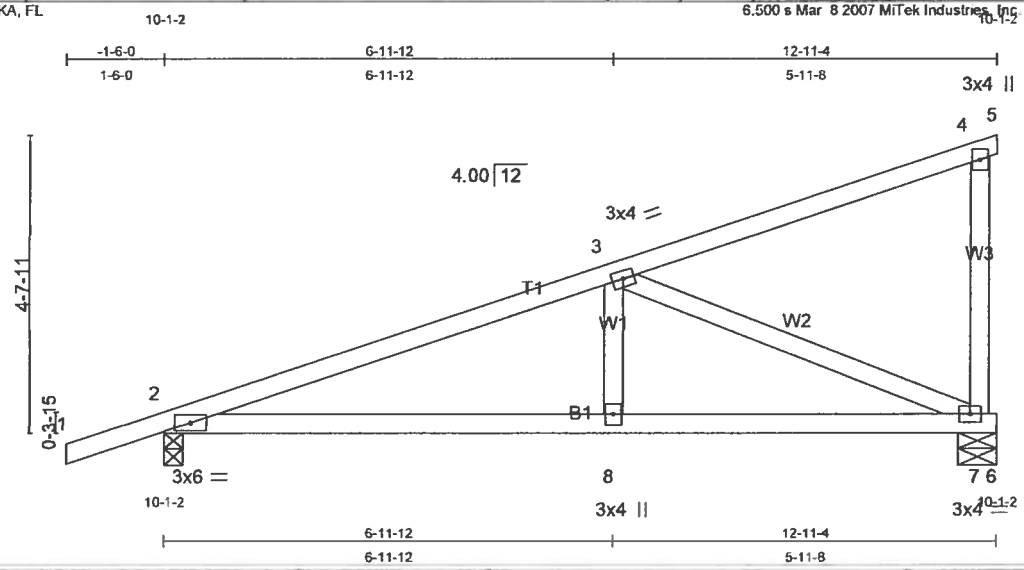
Date: 9/17/07

Job	Truss	Truss Type	Qty	Ply	SPARKS CONST/FULTON
JAX0351	M1C	MONO TRUSS	4	1	*DE Job # 4786-E1*
					Job Reference (optional)

84 COMPONENTS, APOPKA, FL 6.500 s Mar 8 2007 MiTek Industries, Inc. Mon Sep 17 14:57:44 2007 Page



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.28	Vert(LL)	-0.09	2-8	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.38	Vert(TL)	-0.15	2-8	>999	240		
BCLL	10.0	Rep Stress Incr	NO	WB	0.57	Horz(TL)	0.02	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 60 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

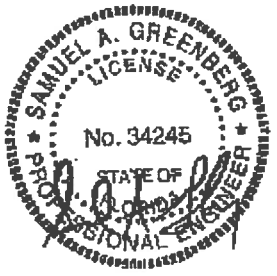
BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-3-11 oc bracing.

REACTIONS (lb/size) 7=532/0-7-4, 2=620/0-3-8
Max Horz 2=274(LC 2)
Max Uplift7=-295(LC 2), 2=-333(LC 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/24, 2-3=-925/293, 3-4=-88/9, 4-5=-1/0, 4-7=-123/133
BOT CHORD 2-8=-442/823, 7-8=-442/823, 6-7=0/0
WEBS 3-8=0/221, 3-7=-858/459

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 120mph (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.
3) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 295 lb uplift at joint 7 and 333 lb uplift at joint 2.

LOAD CASE(S) Standard



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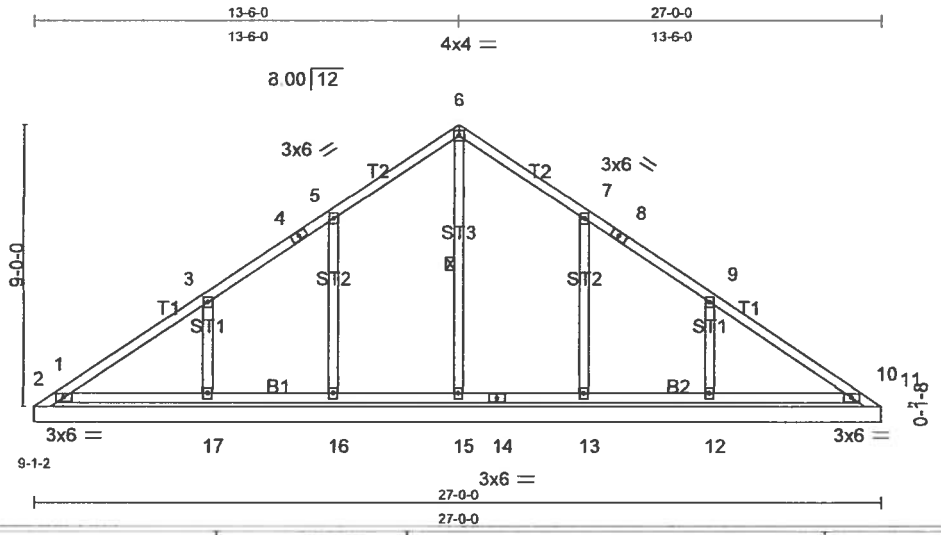
Apollo Beach, FL 33572
CA 25948

Date: 9/17/07

Job	Truss	Truss Type	Qty	Ply	SPARKS CONST/FULTON
JAX0351	PB1	GABLE	31	1	DE Job # 4786-E1

Job Reference (optional)

84 COMPONENTS, APOPKA, FL 9-1-2 6.500 s Mar 8 2007 MiTek Industries, Inc. Mon Sep 17 14:57:45 2007 Page



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.31	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.09	Vert(TL)	n/a	-	n/a	999		
BCLL	10.0	Rep Stress Incr	NO	WB	0.13	Horz(TL)	0.01	10	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 124 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 6-15

REACTIONS (lb/size) 2=519/27-0-0, 15=299/27-0-0, 16=322/27-0-0, 17=380/27-0-0, 13=322/27-0-0, 12=380/27-0-0, 10=519/27-0-0, 1=-267/27-0-0, 11=-267/27-0-0
Max Horz 1=-365(LC 2)
Max Uplift2=-307(LC 4), 16=-252(LC 4), 17=-296(LC 4), 13=-251(LC 5), 12=-295(LC 5), 10=-255(LC 5), 1=-271(LC 2), 11=-267(LC 1)
Max Grav 2=519(LC 1), 15=299(LC 1), 16=322(LC 1), 17=380(LC 1), 13=322(LC 1), 12=380(LC 1), 10=519(LC 1), 1=330(LC 3), 11=210(LC 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-479/454, 2-3=-279/217, 3-4=-146/183, 4-5=-130/199, 5-6=-98/278, 6-7=-98/257, 7-8=-1/113, 8-9=-103/96, 9-10=-150/88, 10-11=-102/146
BOT CHORD 2-17=-73/205, 16-17=-73/205, 15-16=-73/205, 14-15=-73/205, 13-14=-73/205, 12-13=-73/205, 10-12=-73/205
WEBS 6-15=-177/18, 5-16=-208/277, 3-17=-242/316, 7-13=-208/276, 9-12=-242/316

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 120mph (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.
3) 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"
4) All plates are 3x4 MT20 unless otherwise indicated.
5) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 4-0-0 oc.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 307 lb uplift at joint 2, 252 lb uplift at joint 16, 296 lb uplift at joint 17, 251 lb uplift at joint 13, 295 lb uplift at joint 12, 255 lb uplift at joint 10, 271 lb uplift at joint 1 and 267 lb uplift at joint 11.
9) SEE MiTek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS

LOAD CASE(S) Standard

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CA 25948

Date: 9/17/07

Job	Truss	Truss Type	Qty	Ply	SPARKS CONST/FULTON
JAX0351	PB1A	GABLE	8	1	*DE Job # 4786-E1*
					Job Reference (optional)

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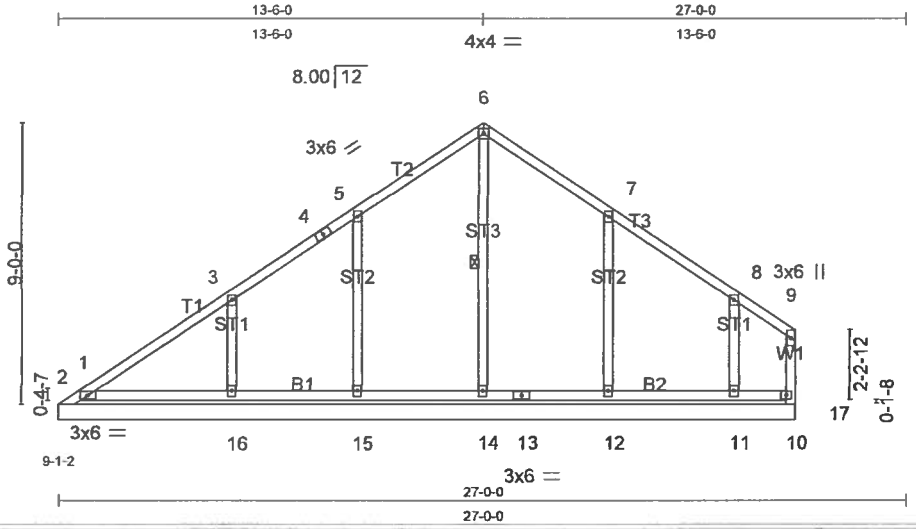

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.31	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.08	Vert(TL)	n/a	-	n/a	999		
BCLL	10.0	Rep Stress Incr	NO	WB	0.14	Horz(TL)	0.02	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 117 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 10-0-0 oc bracing.
WEBS 1 Row at midpt 6-14

REACTIONS (lb/size) 9=19/23-5-10, 2=497/23-5-10, 14=336/23-5-10, 15=324/23-5-10, 16=380/23-5-10, 12=346/23-5-10, 11=283/23-5-10, 10=11/23-5-10, 1=-268/23-5-10, 17=0/23-5-10
Max Horz 1=354(LC 3)
Max Uplift9=-25(LC 5), 2=-365(LC 4), 14=-77(LC 3), 15=-252(LC 4), 16=-296(LC 4), 12=-269(LC 5), 11=-219(LC 5), 1=-268(LC 1)
Max Grav 9=19(LC 1), 2=497(LC 1), 14=336(LC 1), 15=324(LC 1), 16=380(LC 1), 12=346(LC 1), 11=283(LC 1), 10=11(LC 1), 1=339(LC 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-467/359, 2-3=-354/339, 3-4=-221/305, 4-5=-205/322, 5-6=-98/375, 6-7=-61/355, 7-8=-57/174, 8-9=-5/44
BOT CHORD 2-16=-0/0, 15-16=-0/0, 14-15=-0/0, 13-14=0/0, 12-13=0/0, 11-12=0/0, 10-11=0/0
WEBS 6-14=-259/101, 5-15=-209/278, 3-16=-242/316, 7-12=-223/294, 8-11=-182/239, 10-17=0/0, 9-10=0/0

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 120mph (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.
3) 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"
4) All plates are 3x4 MT20 unless otherwise indicated.
5) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
6) Gable studs spaced at 4-0-0 oc.
7) Bearing at joint(s) 9, 10, 17 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 25 lb uplift at joint 9, 365 lb uplift at joint 2, 77 lb uplift at joint 14, 252 lb uplift at joint 15, 296 lb uplift at joint 16, 269 lb uplift at joint 12, 219 lb uplift at joint 11 and 268 lb uplift at joint 1.
9) Non Standard bearing condition. Review required.
10) SEE MiTek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS

LOAD CASE(S) Standard

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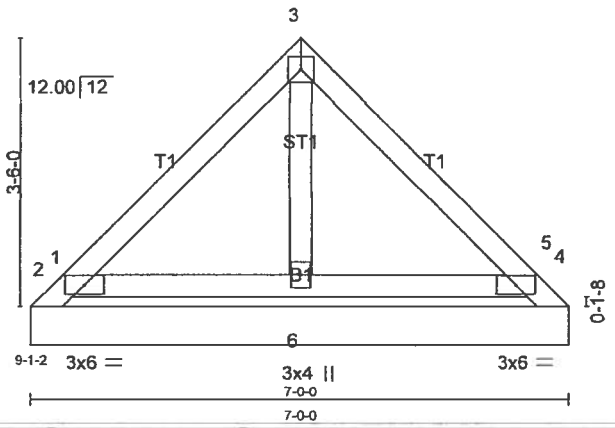
Date: 9/17/07

Job	Truss	Truss Type	Qty	Ply	SPARKS CONST/FULTON
JAX0351	PB2	GABLE	19	1	*DE Job # 4786-E1*
					Job Reference (optional)

84 COMPONENTS. APOPKA, FL 9-1-2 6.500 s Mar 8 2007 MiTek Industries, Inc. Mon Sep 17 14:57:46 2007 Page

Scale = 1:28.5



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.17	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.07	Vert(TL)	n/a	-	n/a	999		
BCLL	10.0	Rep Stress Incr	NO	WB	0.02	Horz(TL)	0.00	4	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 27 lb	

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

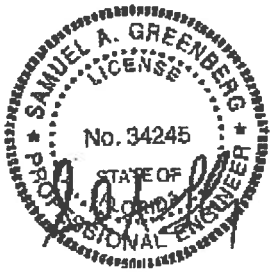
BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=-138/7-0-0, 5=-138/7-0-0, 2=312/7-0-0, 4=312/7-0-0, 6=194/7-0-0
Max Horz 1=-136(LC 2)
Max Uplift 1=-150(LC 2), 5=-138(LC 1), 2=-428(LC 4), 4=-394(LC 5), 6=-7(LC 4)
Max Grav 1=318(LC 4), 5=276(LC 5), 2=312(LC 1), 4=312(LC 1), 6=194(LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-279/203, 2-3=-97/72, 3-4=-97/59, 4-5=-168/99
BOT CHORD 2-6=-33/90, 4-6=-33/90
WEBS 3-6=-84/29

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 120mph (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.
3) 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"
4) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 150 lb uplift at joint 1, 138 lb uplift at joint 5, 428 lb uplift at joint 2, 394 lb uplift at joint 4 and 7 lb uplift at joint 6.
8) SEE MiTek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS

LOAD CASE(S) Standard



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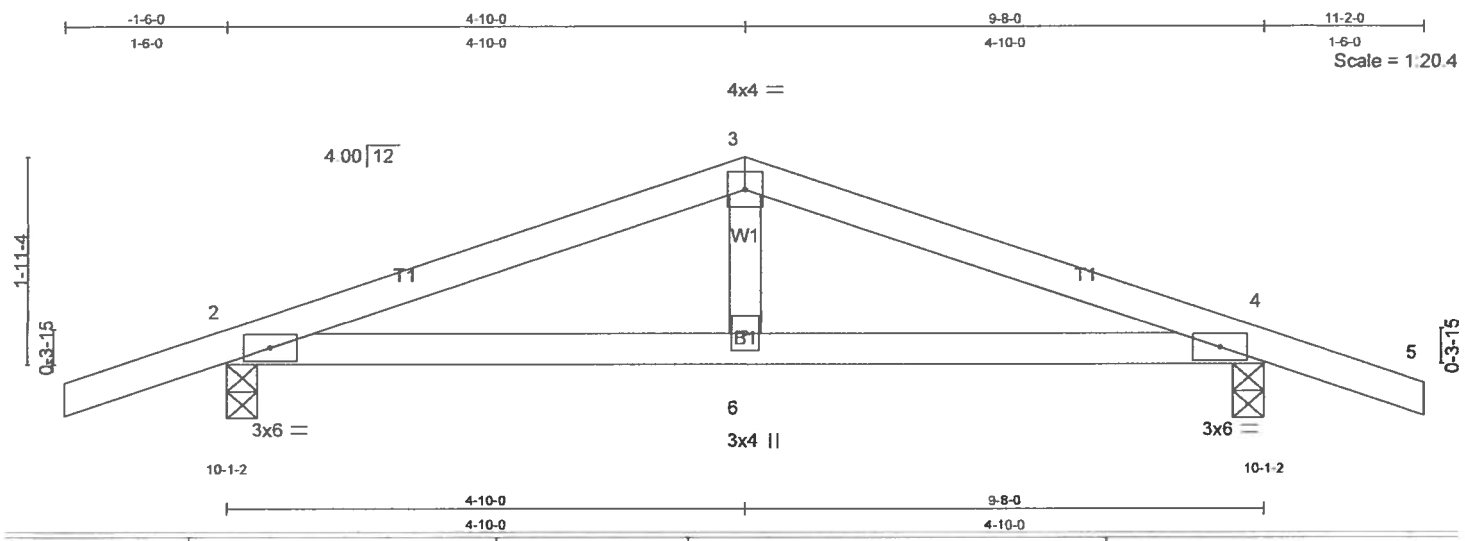
Date: 9/17/07

Warning!—Verify design parameters and read notes before use.
This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 *National Design Standard for Metal Plate Connected Wood Truss Construction* and BCSI 1-03 Guide to *Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses* from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Job	Truss	Truss Type	Qty	Ply	SPARKS CONST/FULTON
JAX0351	T1	COMMON	6	1	*DE Job # 4786-E1*
					Job Reference (optional)

84 COMPONENTS, APOPKA, FL 6.500 s Mar 8 2007 MiTek Industries, Inc. Mon Sep 17 14:57:46 2007 Page



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TCLL	20.0	Plates Increase	1.25	TC	0.15	Vert(LL)	0.03	4-6	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.18	Vert(TL)	-0.04	4-6	>999	240		
BCLL	10.0	Rep Stress Incr	NO	WB	0.05	Horz(TL)	0.01	4	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 37 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

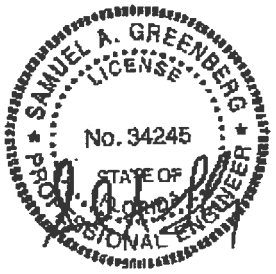
BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-8-14 oc bracing.

REACTIONS (lb/size) 2=483/0-3-8, 4=483/0-3-8
Max Horz 2=51(LC 2)
Max Uplift2=-428(LC 4), 4=-428(LC 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/24, 2-3=-692/490, 3-4=-692/489, 4-5=0/24
BOT CHORD 2-6=-414/616, 4-6=-414/616
WEBS 3-6=-125/159

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; cantilever left and right exposed ; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60.
3) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 428 lb uplift at joint 2 and 428 lb uplift at joint 4.

LOAD CASE(S) Standard



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Job	Truss	Truss Type	Qty	Ply	SPARKS CONST/FULTON
JAX0351	T1A	COMMON	1	1	*DE Job # 4786-E1*
					Job Reference (optional)

84 COMPONENTS, APOPKA, FL 6.500 s Mar 8 2007 MiTek Industries, Inc. Mon Sep 17 14:57:46 2007 Page

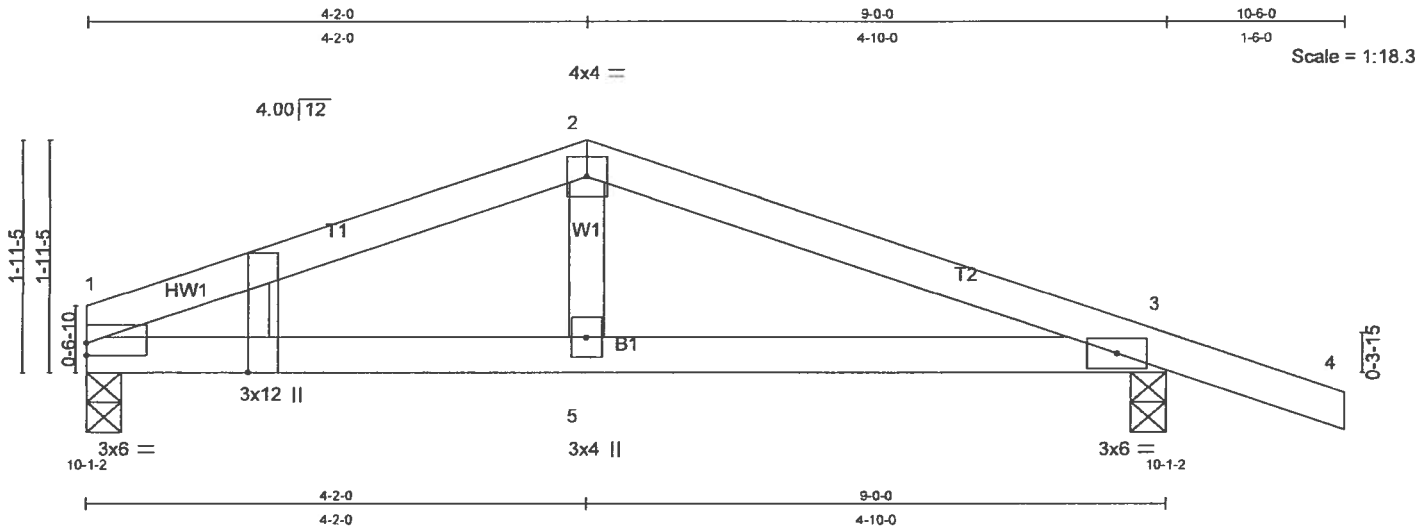


Plate Offsets (X,Y) [1:0-0-0,0-1-3], [1:0-2-15,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.26	Vert(LL)	0.03	3-5	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.35	Vert(TL)	-0.04	3-5	>999	240		
BCLL	10.0	Rep Stress Incr	NO	WB	0.05	Horz(TL)	0.01	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							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
WEDGE
Left: 2 X 6 SYP No.2

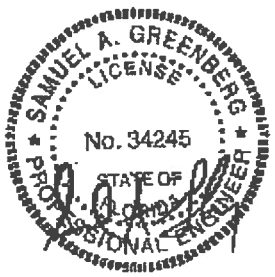
BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=463/0-3-8, 1=357/0-3-8
Max Horz 1=-65(LC 3)
Max Uplift3=-412(LC 5), 1=-279(LC 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-570/401, 2-3=-574/409, 3-4=0/24
BOT CHORD 1-5=-334/497, 3-5=-334/497
WEBS 2-5=-127/157

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60.
3) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 412 lb uplift at joint 3 and 279 lb uplift at joint 1.

LOAD CASE(S) Standard



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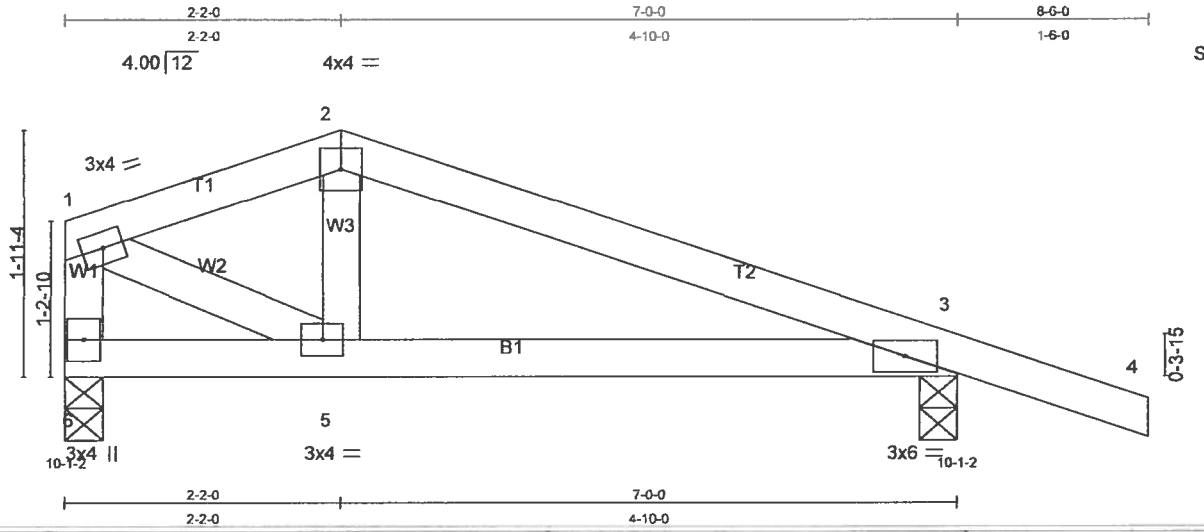
Date: 9/17/07

Job	Truss	Truss Type	Qty	Ply	SPARKS CONST/FULTON
JAX0351	T1B	COMMON	1	1	*DE Job # 4786-E1*
					Job Reference (optional)

84 COMPONENTS, APOPKA, FL 6.500 s Mar 8 2007 MiTek Industries, Inc. Mon Sep 17 14:57:47 2007 Page



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.21	Vert(LL)	-0.02	3-5	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.15	Vert(TL)	-0.03	3-5	>999	240		
BCLL	10.0	Rep Stress Incr	NO	WB	0.09	Horz(TL)	0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 30 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.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 10-0-0 oc bracing.

REACTIONS (lb/size) 6=271/0-3-8, 3=382/0-3-8
Max Horz 6=-101(LC 3)
Max Uplift6=-104(LC 4), 3=-252(LC 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-290/97, 2-3=-324/79, 3-4=0/24, 1-6=-267/103
BOT CHORD 5-6=0/101, 3-5=-22/262
WEBS 2-5=0/67, 1-5=-86/290

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 120mph (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.
3) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 104 lb uplift at joint 6 and 252 lb uplift at joint 3.

LOAD CASE(S) Standard

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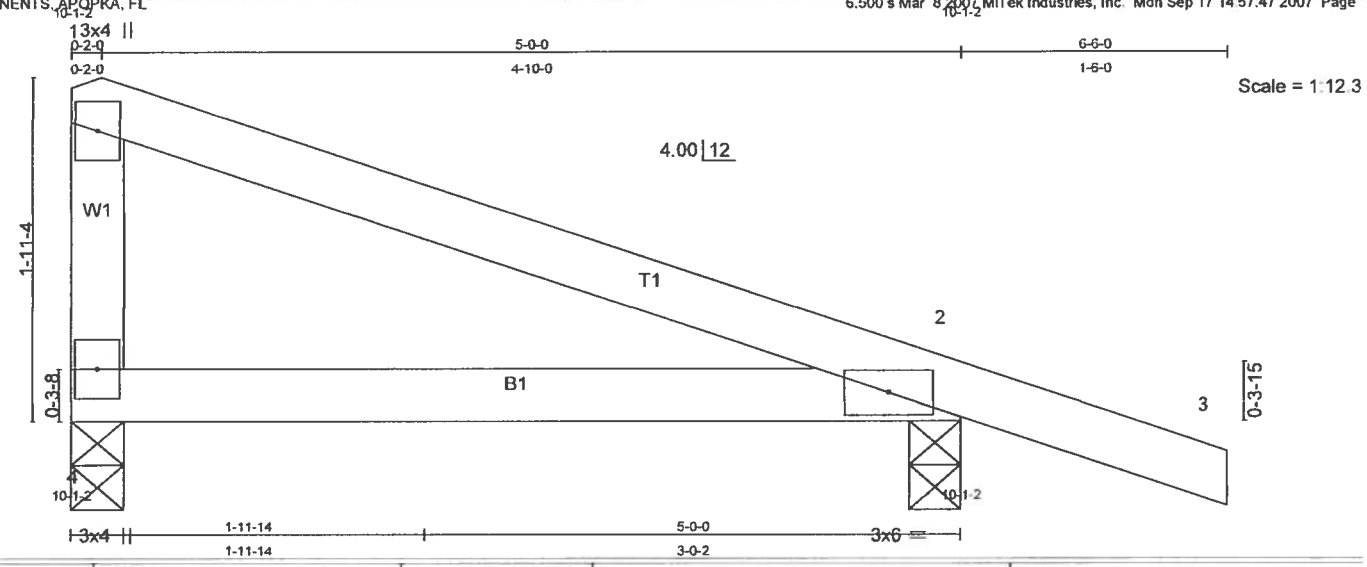
Apollo Beach, FL 33572
CA 25948

Date: 9/17/07

Job	Truss	Truss Type	Qty	Ply	SPARKS CONST/FULTON
JAX0351	T1C	COMMON	1	1	*DE Job # 4786-E1*
					Job Reference (optional)

84 COMPONENTS, APOPKA, FL — 6.500 s Mar 8 2007 MiTek Industries, Inc. Mon Sep 17 14:57:47 2007 Page



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.21	Vert(LL)	-0.03	2-4	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.16	Vert(TL)	-0.05	2-4	>999	240		
BCLL	10.0	Rep Stress Incr	NO	WB	0.00	Horz(TL)	0.00	2	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
WEBS 2 X 4 SYP No.2

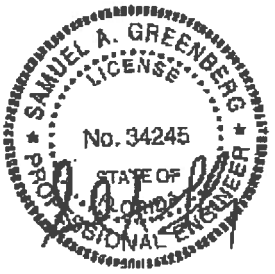
BRACING
TOP CHORD Structural wood sheathing directly applied or 5-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 4=182/0-3-8, 2=302/0-3-8
Max Horz 4=-127(LC 3)
Max Uplift4=-90(LC 3), 2=-214(LC 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-47/28, 2-3=0/24, 1-4=-112/104
BOT CHORD 2-4=-0/127

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 120mph (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.
3) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 90 lb uplift at joint 4 and 214 lb uplift at joint 2.

LOAD CASE(S) Standard



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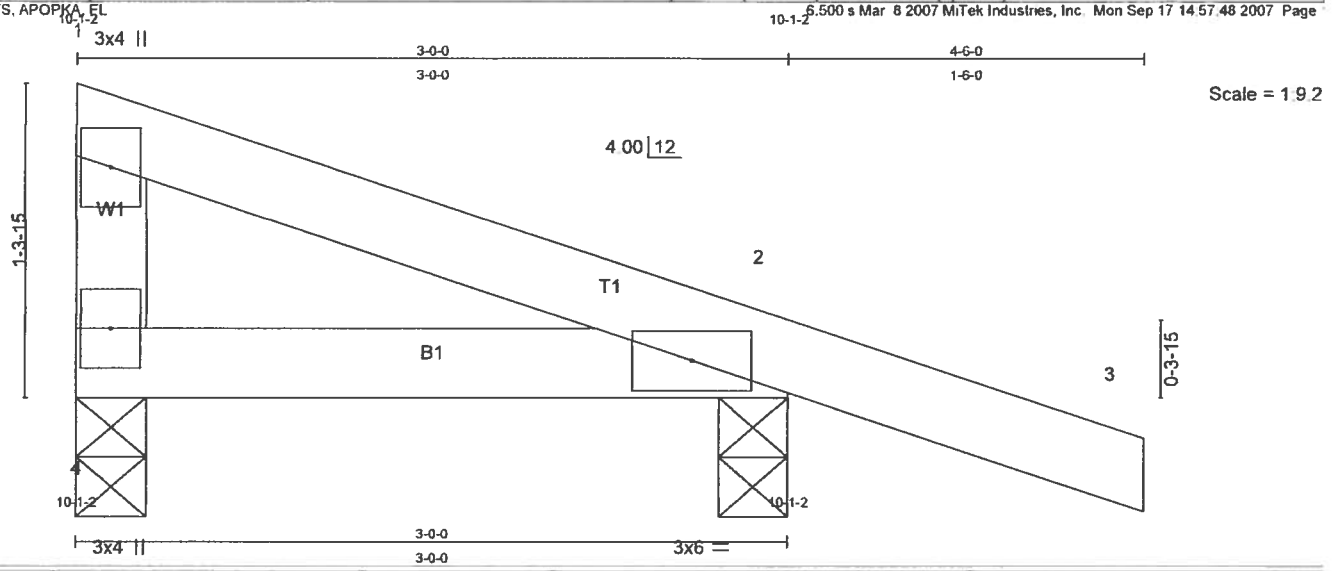
Date: 9/17/07

Job	Truss	Truss Type	Qty	Ply	SPARKS CONST/FULTON
JAX0351	T1D	SPECIAL	1	1	*DE Job # 4786-E1*
					Job Reference (optional)

84 COMPONENTS, APOPKA, FL 8.500 s Mar 8 2007 MiTek Industries, Inc. Mon Sep 17 14:57:48 2007 Page



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.14	Vert(LL)	-0.00	2-4	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.05	Vert(TL)	-0.00	2-4	>999	240		
BCLL	10.0	Rep Stress Incr	NO	WB	0.00	Horz(TL)	0.00	2	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
WEBS 2 X 4 SYP No.3

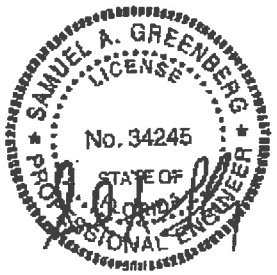
BRACING
TOP CHORD Structural wood sheathing directly applied or 3-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 4=87/0-3-8, 2=230/0-3-8
Max Horz 4=-90(LC 3)
Max Uplift4=-27(LC 3), 2=-195(LC 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-4=-46/35, 1-2=-34/11, 2-3=0/24
BOT CHORD 2-4=-0/90

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 120mph (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.
3) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 27 lb uplift at joint 4 and 195 lb uplift at joint 2.

LOAD CASE(S) Standard



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CA 25948

Date: 9/17/07

Job	Truss	Truss Type	Qty	Ply	SPARKS CONST/FULTON
JAX0351	T2	COMMON 4x4 =	29	1	DE Job # 4786-E1 Job Reference (optional)

84 COMPONENTS, APOPKA, FL 6.500 s Mar 8 2007 MiTek Industries, Inc. Mon Sep 17 14:57:48 2007 Page

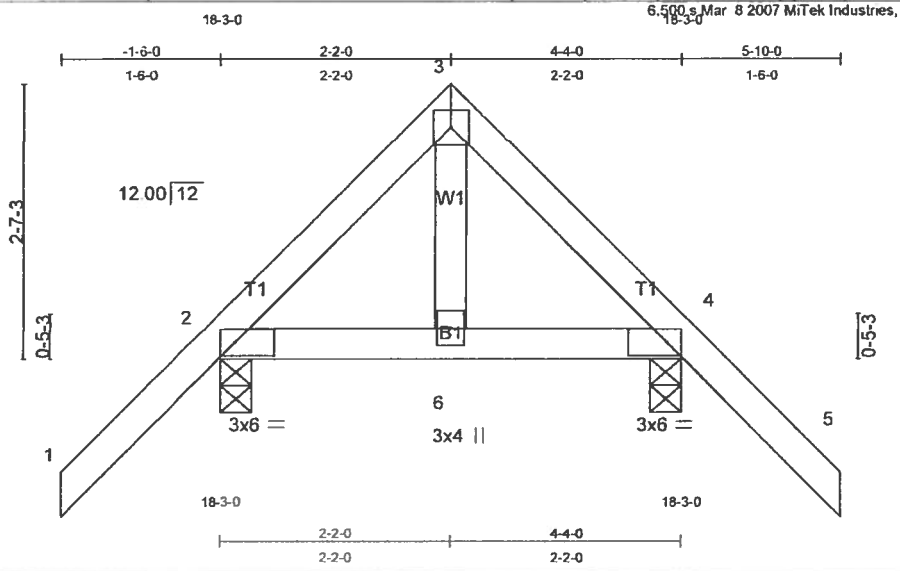

Plate Offsets (X,Y): [2:0-4-6,0-1-8], [4:0-4-6,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.24	Vert(LL)	-0.00	6	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.03	Vert(TL)	-0.00	6	>999	240		
BCLL	10.0	Rep Stress Incr	NO	WB	0.02	Horz(TL)	0.00	4	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 26 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 4-4-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=259/0-3-8, 4=259/0-3-8
Max Horz 2=104(LC 4)
Max Uplift2=-203(LC 4), 4=-203(LC 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/58, 2-3=-141/25, 3-4=-141/24, 4-5=0/58
BOT CHORD 2-6=0/203, 4-6=0/203
WEBS 3-6=0/72

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 120mph (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.
3) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 203 lb uplift at joint 2 and 203 lb uplift at joint 4.

LOAD CASE(S) Standard

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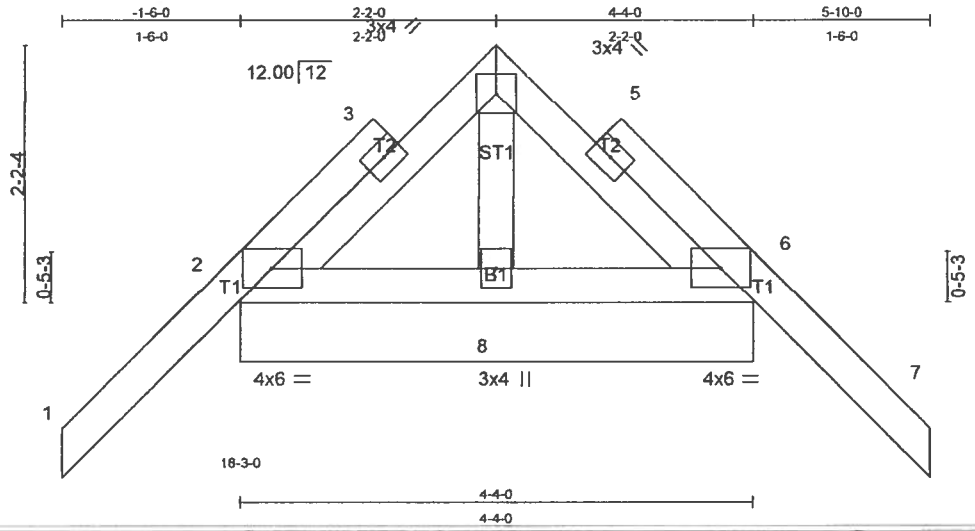
CA 25948

Date: 9/17/07

Job	Truss	Truss Type	Qty	Ply	SPARKS CONST/FULTON
JAX0351	T2A	GABLE	7	1	*DE Job # 4786-E1*
		4x4 =			Job Reference (optional)

84 COMPONENTS, APOPKA, FL 18-3-0 4 6.500 s Mar 8 2007 MiTek Industries, Inc. Mon Sep 17 14:57:49 2007 Page



Scale = 1:18.5

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.22	Vert(LL)	-0.01	7	n/r	120	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.03	Vert(TL)	-0.01	7	n/r	120		
BCLL	10.0	Rep Stress Incr	NO	WB	0.01	Horz(TL)	0.00	6	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
OTHERS 2 X 4 SYP No.3

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

REACTIONS (lb/size) 2=195/4-4-0, 6=195/4-4-0, 8=135/4-4-0
Max Horz 2=97(LC 4)
Max Uplift2=-219(LC 4), 6=-238(LC 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/56, 2-3=-58/57, 3-4=-11/68, 4-5=-6/78, 5-6=-58/64, 6-7=0/56
BOT CHORD 2-8=0/137, 6-8=0/137
WEBS 4-8=-64/0

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 120mph (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.
3) 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"
4) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 219 lb uplift at joint 2 and 238 lb uplift at joint 6.

LOAD CASE(S) Standard

Samuel A. Greenberg, P.E.
DANSCO Engineering, LLC
P.O. Box 3403
Apollo Beach, FL 33572
CA 25948

Date: 9/17/07

Job	Truss	Truss Type	Qty	Ply	SPARKS CONST/FULTON
JAX0351	T2B	COMMON	2	2	*DE Job # 4786-E1*

4x4 =

Job Reference (optional)

84 COMPONENTS. APOPKA, FL 18-3-0 6.500 s Mar 8 2007 MiTek Industries, Inc. Mon Sep 17 14:57:49 2007 Page 1

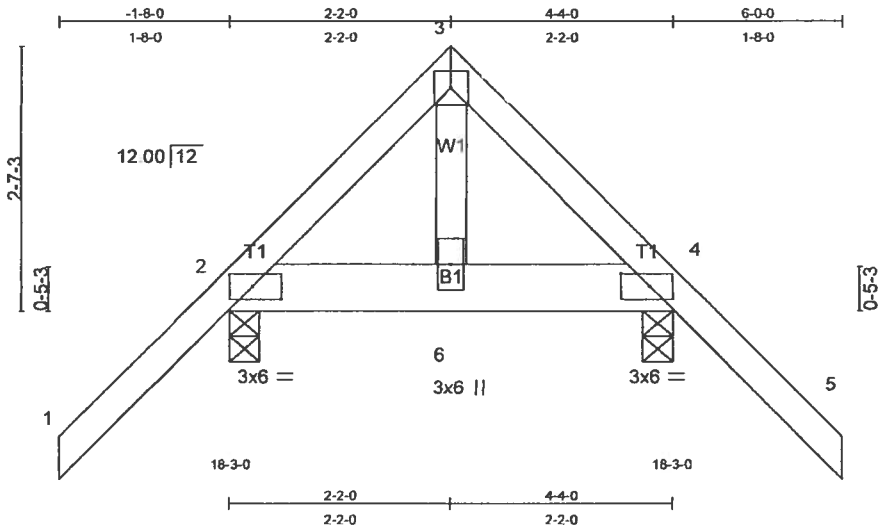


Plate Offsets (X,Y): [2:0-3-6,0-1-8], [4:0-3-6,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.19	Vert(LL)	-0.01	6	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.22	Vert(TL)	-0.01	6	>999	240		
BCLL	10.0	Rep Stress Incr	NO	WB	0.29	Horz(TL)	0.00	4	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 59 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 6 SYP No.2
WEBS 2 X 4 SYP No.3

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

REACTIONS (lb/size) 2=1844/0-3-8, 4=1844/0-3-8
Max Horz 2=114(LC 4)
Max Uplift2=-982(LC 4), 4=-982(LC 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/66, 2-3=-1338/597, 3-4=-1338/599, 4-5=0/66
BOT CHORD 2-6=-276/864, 4-6=-276/864
WEBS 3-6=-842/1830

NOTES
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2 X 6 - 2 rows at 0-7-0 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) This truss has been checked for uniform roof live load only, except as noted.
4) Wind: ASCE 7-02; 120mph (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.
5) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 982 lb uplift at joint 2 and 982 lb uplift at joint 4.

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 3-5=-54, 2-4=-810(F=-780)

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CA 25948

Date: 9/17/07

Job	Truss	Truss Type	Qty	Ply	SPARKS CONST/FULTON
JAX0351	T3	SPECIAL	2	1	*DE Job # 4786-E1*
					Job Reference (optional)

84 COMPONENTS, APOPKA, FL 10-1-2 6.500 s Mar 8 2007 MiTek Industries, Inc. Mon Sep 17 14:57:49 2007 Page 10-1-2

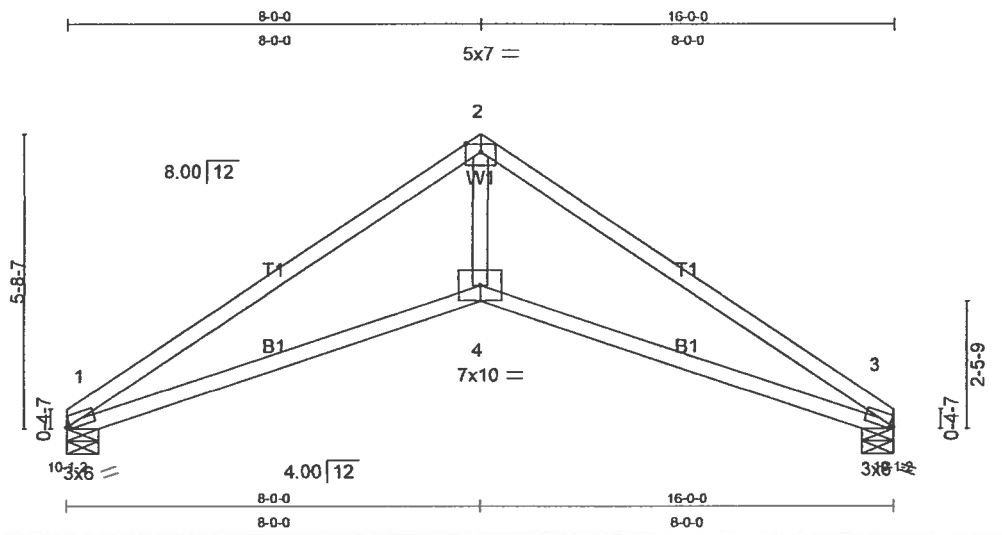


Plate Offsets (X,Y): [1:0-0-13,Edge], [3:0-0-13,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.46	Vert(LL)	-0.15	1-4	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.64	Vert(TL)	-0.25	1-4	>745	240		
BCLL	10.0	Rep Stress Incr	NO	WB	0.32	Horz(TL)	0.11	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 58 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

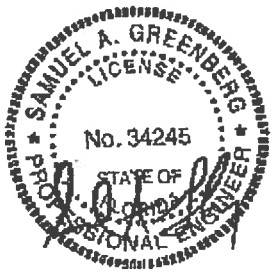
BRACING
TOP CHORD Structural wood sheathing directly applied or 4-8-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-6-8 oc bracing.

REACTIONS (lb/size) 1=647/0-7-4, 3=647/0-7-4
Max Horz 1=-226(LC 2)
Max Uplift 1=-263(LC 4), 3=-263(LC 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1394/462, 2-3=-1394/510
BOT CHORD 1-4=-344/1160, 3-4=-340/1160
WEBS 2-4=-216/1013

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 120mph (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.
3) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
4) Bearing at joint(s) 1, 3 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 263 lb uplift at joint 1 and 263 lb uplift at joint 3.

LOAD CASE(S) Standard



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Date: 9/17/07

Job	Truss	Truss Type	Qty	Ply	SPARKS CONST/FULTON
JAX0351	T3A	GABLE	1	1	*DE Job # 4786-E1*
					Job Reference (optional)

84 COMPONENTS, APOPKA, FL 10-1-2 — 6.500 s Mar 8 2007 MiTek Industries, Inc. Mon Sep 17 14:57:50 2007 Page

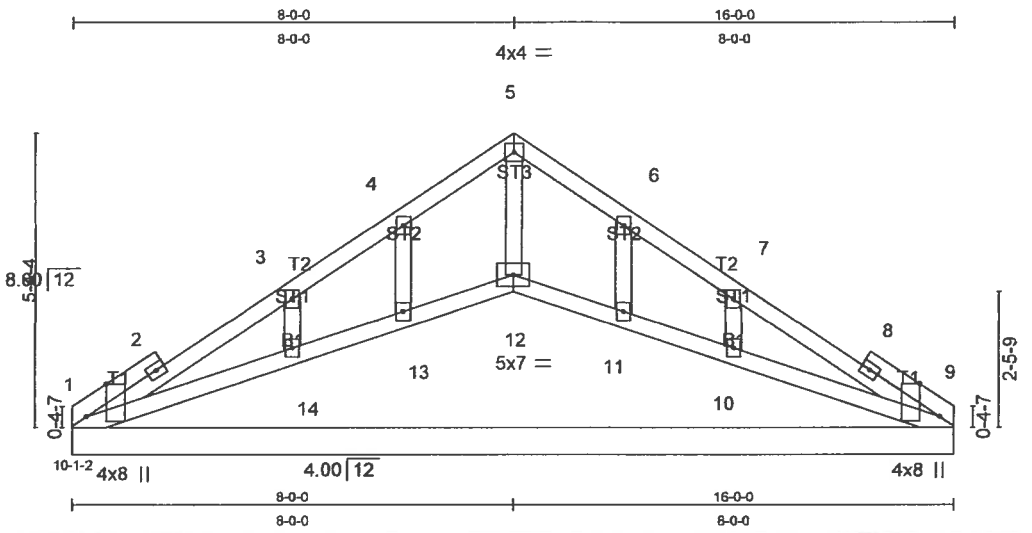

Plate Offsets (X,Y): [1:0-7-1,Edge], [9:0-7-1,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.13	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.09	Vert(TL)	n/a	-	n/a	999		
BCLL	10.0	Rep Stress Incr	NO	WB	0.06	Horz(TL)	0.00	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 70 lb	

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

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

REACTIONS (lb/size) 1=134/16-0-0, 9=134/16-0-0, 12=212/16-0-0, 13=96/16-0-0, 14=335/16-0-0, 11=96/16-0-0, 10=335/16-0-0
Max Horz 1=-216(LC 2)
Max Uplift 1=-81(LC 5), 9=-65(LC 5), 12=-31(LC 3), 13=-78(LC 4), 14=-251(LC 4), 11=-76(LC 5), 10=-253(LC 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-175/130, 2-3=-165/142, 3-4=-73/123, 4-5=-23/154, 5-6=-5/142, 6-7=-28/79, 7-8=-79/89, 8-9=-88/32
BOT CHORD 1-14=-41/138, 13-14=-35/141, 12-13=-36/139, 11-12=-35/139, 10-11=-38/142, 9-10=-36/137
WEBS 5-12=-148/22, 4-13=-67/99, 3-14=-211/248, 6-11=-67/97, 7-10=-211/250

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 120mph (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.
3) 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"
4) All plates are 3x4 MT20 unless otherwise indicated.
5) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 2-0-0 oc.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 81 lb uplift at joint 1, 65 lb uplift at joint 9, 31 lb uplift at joint 12, 78 lb uplift at joint 13, 251 lb uplift at joint 14, 76 lb uplift at joint 11 and 253 lb uplift at joint 10.
9) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 12, 13, 14, 11, 10.

LOAD CASE(S) Standard

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Date: 9/17/07

Job	Truss	Truss Type	Qty	Ply	SPARKS CONST/FULTON
JAX0351	T3B	SPECIAL	1	1	*DE Job # 4786-E1*
					Job Reference (optional)

84 COMPONENTS, APOPKA, FL 6.500 s Mar 8 2007 MiTek Industries, Inc. Mon Sep 17 14:57:50 2007 Page

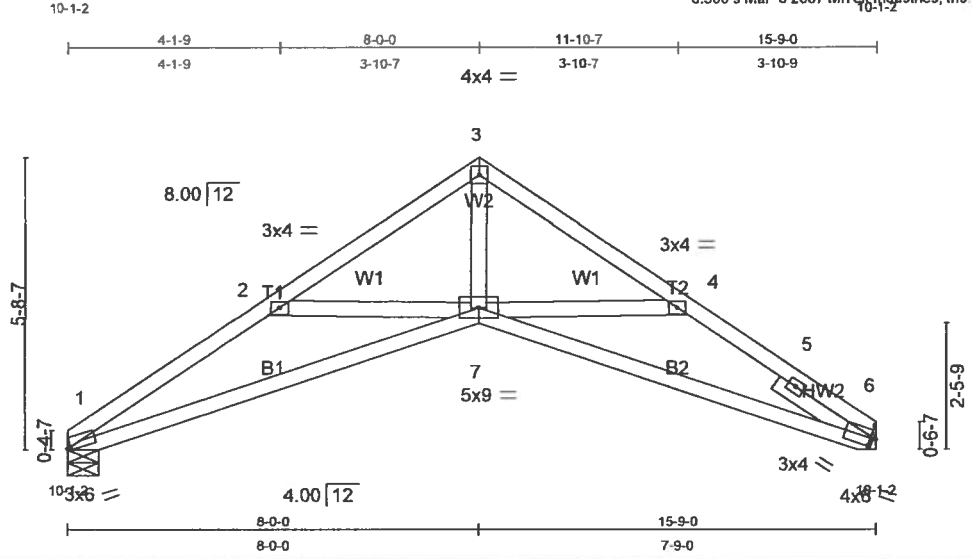


Plate Offsets (X,Y): [1:0-0-13,Edge], [6:0-1-4,0-2-0]

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)	-0.12	1-7	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.41	Vert(TL)	-0.19	1-7	>963	240		
BCLL	10.0	Rep Stress Incr	NO	WB	0.32	Horz(TL)	0.10	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 72 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
SLIDER Right 2 X 4 SYP No.2 2-2-14

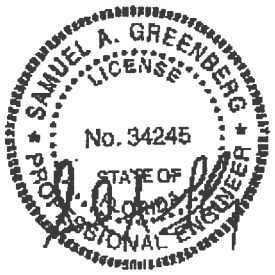
BRACING
TOP CHORD Structural wood sheathing directly applied or 5-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-3-13 oc bracing.

REACTIONS (lb/size) 1=646/0-7-4, 6=646/Mechanical
Max Horz 1=226(LC 3)
Max Uplift 1=-263(LC 4), 6=-263(LC 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1435/650, 2-3=-1184/404, 3-4=-1165/423, 4-5=-1368/558, 5-6=-1426/545
BOT CHORD 1-7=-566/1222, 6-7=-397/1202
WEBS 2-7=-184/335, 3-7=-276/1000, 4-7=-168/337

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 120mph (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.
3) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
4) Refer to girder(s) for truss to truss connections.
5) 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.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 263 lb uplift at joint 1 and 263 lb uplift at joint 6.

LOAD CASE(S) Standard



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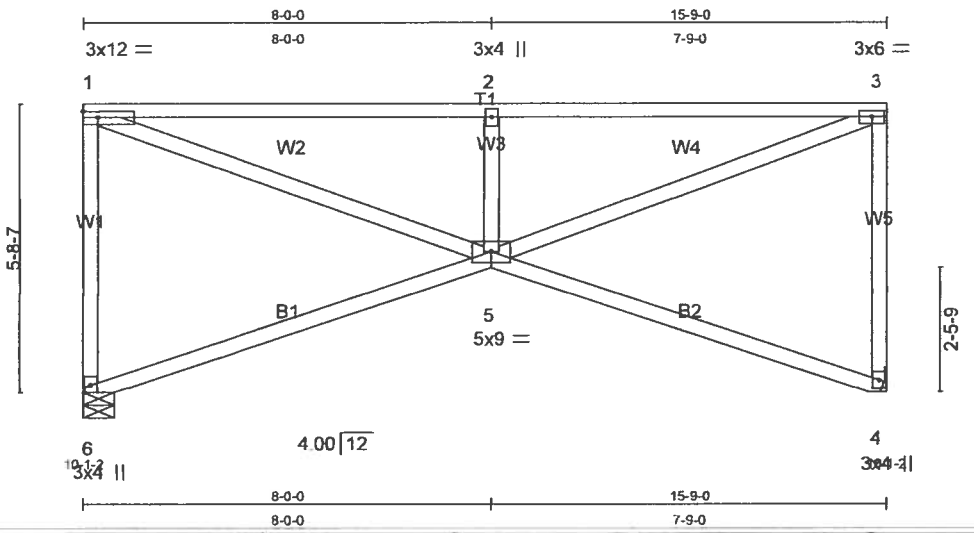
CA 25948

Date: 9/17/07

Job	Truss	Truss Type	Qty	Ply	SPARKS CONST/FULTON
JAX0351	T3C	SPECIAL	1	1	*DE Job # 4786-E1*
					Job Reference (optional)

84 COMPONENTS, APOPKA, FL 10-1-2 6.500 s Mar 8 2007 MiTek Industries, Inc. Mon Sep 17 14:57:50 2007 Page 10-1-2



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.85	Vert(LL)	-0.09	5-6	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.21	Vert(TL)	-0.15	5-6	>999	240		
BCLL	10.0	Rep Stress Incr	NO	WB	0.60	Horz(TL)	0.06	4	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 91 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 5-9-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 6=649/0-7-4, 4=649/Mechanical
Max Uplift6=-313(LC 2), 4=-313(LC 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-6=-552/335, 1-2=-1005/484, 2-3=-1005/484, 3-4=-555/333
BOT CHORD 5-6=-31/97, 4-5=-28/91
WEBS 1-5=-489/1013, 2-5=-451/400, 3-5=-493/1022

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02, 120mph (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.
3) Provide adequate drainage to prevent water ponding.
4) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
5) Refer to girder(s) for truss to truss connections.
6) Bearing at joint(s) 6 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 313 lb uplift at joint 6 and 313 lb uplift at joint 4.

LOAD CASE(S) Standard

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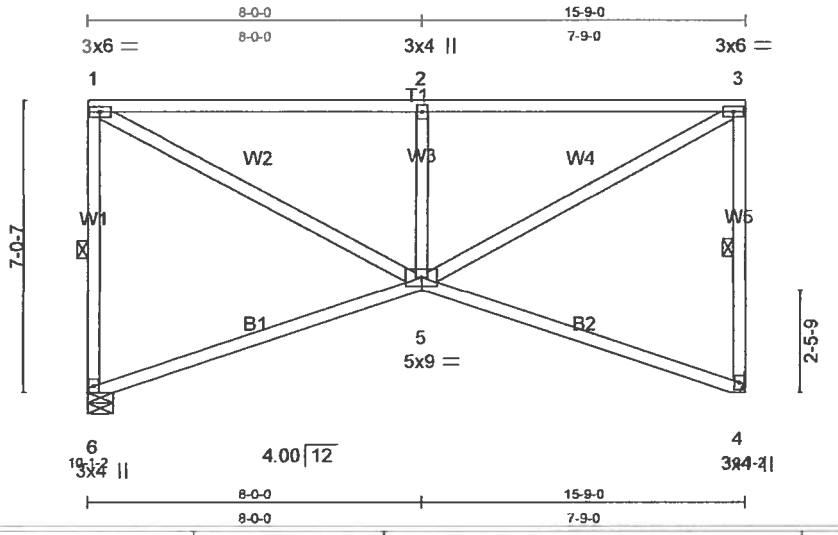
CA 25948

Date: 9/17/07

Job	Truss	Truss Type	Qty	Ply	SPARKS CONST/FULTON
JAX0351	T3D	SPECIAL	1	1	*DE Job # 4786-E1*
					Job Reference (optional)

84 COMPONENTS, APOPKA, FL 6.500 s Mar 8 2007 MiTek Industries, Inc. Mon Sep 17 14:57:51 2007 Page



Scale = 1:52.5

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.60	Vert(LL)	-0.07	5-6	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.23	Vert(TL)	-0.13	5-6	>999	240		
BCLL	10.0	Rep Stress Incr	NO	WB	0.50	Horz(TL)	0.03	4	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 99 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 1-6, 3-4

REACTIONS (lb/size) 6=649/0-7-4, 4=649/Mechanical
Max Uplift6=-313(LC 2), 4=-313(LC 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-6=-550/333, 1-2=-698/337, 2-3=-698/337, 3-4=-554/331
BOT CHORD 5-6=-23/82, 4-5=-21/77
WEBS 1-5=-361/749, 2-5=-460/406, 3-5=-366/759

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02, 120mph (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.
3) Provide adequate drainage to prevent water ponding.
4) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
5) Refer to girder(s) for truss to truss connections.
6) Bearing at joint(s) 6 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 313 lb uplift at joint 6 and 313 lb uplift at joint 4.

LOAD CASE(S) Standard

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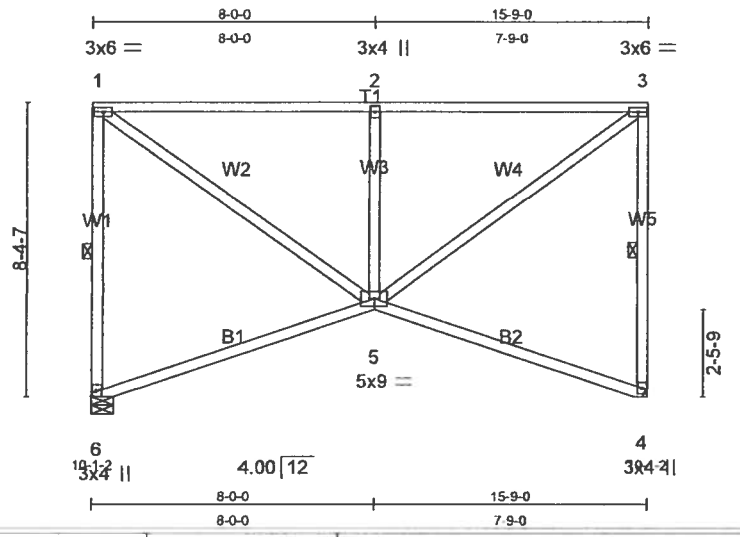
Apollo Beach, FL 33572
CA 25948

Date: 9/17/07

Job	Truss	Truss Type	Qty	Ply	SPARKS CONST/FULTON
JAX0351	T3E	SPECIAL	1	1	*DE Job # 4786-E1*
					Job Reference (optional)

84 COMPONENTS, APOPKA, FL 10-1-2 6.500 s Mar 8 2007 MiTek Industries, Inc. Mon Sep 17 14:57.51 2007 Page 10-1-2



Scale = 1:62.1

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.56	Vert(LL)	-0.07	5-6	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.23	Vert(TL)	-0.12	5-6	>999	240		
BCLL	10.0	Rep Stress Incr	NO	WB	0.48	Horz(TL)	0.03	4	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 107 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 1-6, 3-4

REACTIONS (lb/size) 6=649/0-7-4, 4=649/Mechanical
Max Uplift6=-313(LC 2), 4=-313(LC 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-6=-549/331, 1-2=-535/258, 2-3=-535/258, 3-4=-553/330
BOT CHORD 5-6=-18/72, 4-5=-17/69
WEBS 1-5=-298/619, 2-5=-466/411, 3-5=-304/630

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 120mph (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.
3) Provide adequate drainage to prevent water ponding.
4) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
5) Refer to girder(s) for truss to truss connections.
6) Bearing at joint(s) 6 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 313 lb uplift at joint 6 and 313 lb uplift at joint 4.

LOAD CASE(S) Standard

Samuel A. Greenberg, PE.
DANSCO Engineering, LLC
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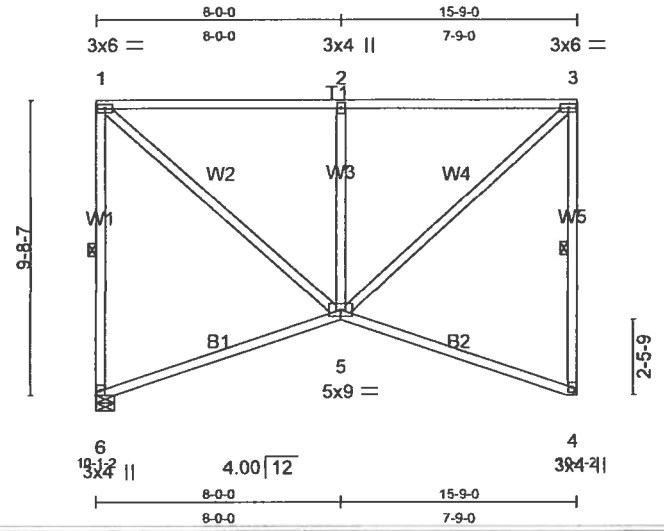
Apollo Beach, FL 33572
CA 25948

Date: 9/17/07

Job	Truss	Truss Type	Qty	Ply	SPARKS CONST/FULTON
JAX0351	T3F	SPECIAL	1	1	*DE Job # 4786-E1* Job Reference (optional)

84 COMPONENTS, APOPKA, FL 10-1-2 6.500 s Mar 8 2007 MiTek Industries, Inc. Mon Sep 17 14:57:51 2007 Page 10-1-2



Scale = 1:71.8

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.54	Vert(LL)	-0.07	5-6	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.24	Vert(TL)	-0.12	5-6	>999	240		
BCLL	10.0	Rep Stress Incr	NO	WB	0.50	Horz(TL)	0.02	4	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 115 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

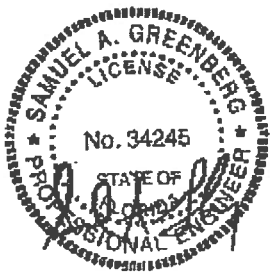
BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 1-6, 3-4

REACTIONS (lb/size) 6=649/0-7-4, 4=649/Mechanical
Max Uplift6=-313(LC 2), 4=-313(LC 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-6=-548/330, 1-2=-434/209, 2-3=-434/209, 3-4=-553/329
BOT CHORD 5-6=-15/66, 4-5=-14/63
WEBS 1-5=-263/545, 2-5=-470/414, 3-5=-268/557

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 120mph (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.
3) Provide adequate drainage to prevent water ponding.
4) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
5) Refer to girder(s) for truss to truss connections.
6) Bearing at joint(s) 6 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 313 lb uplift at joint 6 and 313 lb uplift at joint 4.

LOAD CASE(S) Standard

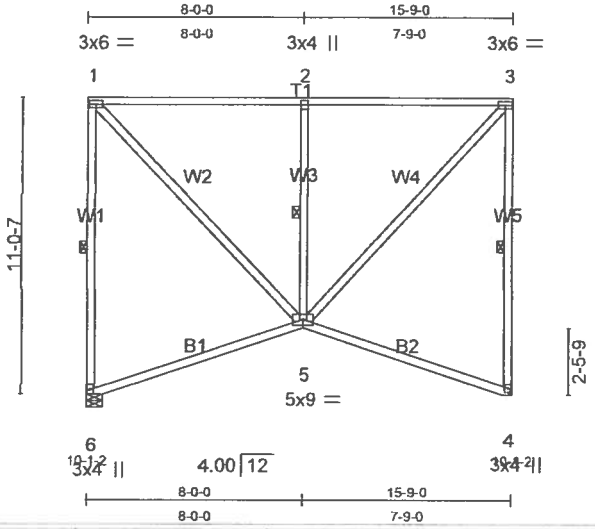


Samuel A. Greenberg, P.E.
DANSCO Engineering, LLC
P.O. Box 3400
Apollo Beach, FL 33572
CA 25948

Date: 9/17/07

Job	Truss	Truss Type	Qty	Ply	SPARKS CONST/FULTON
JA#0351	T3G	SPECIAL	1	1	*DE Job # 4786-E1*
84 COMPONENTS, APOPKA, FL					Job Reference (optional)

10-1-2 10-1-2 6.500 s Mar 8 2007 MiTek Industries, Inc. Mon Sep 17 14:57:52 2007 Page



Scale = 1:81.4

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.56	Vert(LL)	-0.07	5-6	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.24	Vert(TL)	-0.13	5-6	>999	240		
BCLL	10.0	Rep Stress Incr	NO	WB	0.55	Horz(TL)	0.02	4	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 124 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 1-6, 3-4, 2-5

REACTIONS (lb/size) 6=649/0-7-4, 4=649/Mechanical
Max Uplift6=-313(LC 2), 4=-313(LC 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-6=-548/330, 1-2=-365/176, 2-3=-365/176, 3-4=-552/329
BOT CHORD 5-6=-13/62, 4-5=-13/59
WEBS 1-5=-241/500, 2-5=-474/416, 3-5=-247/512

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 120mph (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.
3) Provide adequate drainage to prevent water ponding.
4) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
5) Refer to girder(s) for truss to truss connections.
6) Bearing at joint(s) 6 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 313 lb uplift at joint 6 and 313 lb uplift at joint 4.

LOAD CASE(S) Standard

SAMUEL A. GREENBERG LICENSE No. 34245 STATE OF FLORIDA PROFESSIONAL ENGINEER

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Date: 9/17/07