MiTek
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RE: 6837 - G.C. CONST. / LOT # 6 R.R.

MiTek Industries, Inc.
14515 North Outer Forty Drive
Suite 300
Chesterfield, MO 63017-5746

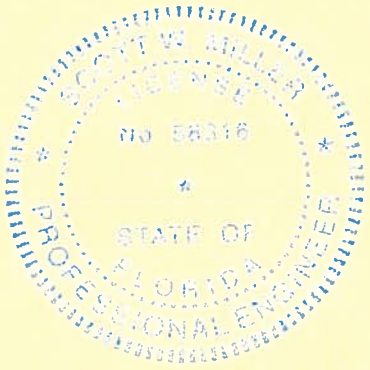
Site Information:
Project Customer: G.C. CONSTRUCTION Project Name: Lot # 6 River Rise
Lot/Block: Subdivision:
Address: 455 S.W. MARY NIK DR.
City: HIGH SPRING State: FL.

Name Address and License # of Structural Engineer of Record, If there is one, for the building.
Name: License #:
Address:
City: State:

General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions):
Design Code: FBC2004/TPI2002 Design Program: MiTek 20/20 6.3
Wind Code: ASCE 7-02 Wind Speed: 110 mph Design Method: User defined
Roof Load: 40.0 psf Floor Load: N/A psf

This package includes 14 individual, dated Truss Design Drawings and 0 Additional Drawings.
With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.

No.	Seal#	Job ID#	Truss Name	Date
1	I11010218	6837	T1	9/25/06
2	I11010219	6837	T1A	9/25/06
3	I11010220	6837	T1B	9/25/06
4	I11010221	6837	T1C	9/25/06
5	I11010222	6837	T1E	9/25/06
6	I11010223	6837	T2	9/25/06
7	I11010224	6837	T2A	9/25/06
8	I11010225	6837	T2B	9/25/06
9	I11010226	6837	T2D	9/25/06
10	I11010227	6837	T3	9/25/06
11	I11010228	6837	T3A	9/25/06
12	I11010229	6837	T3E	9/25/06
13	I11010230	6837	T4	9/25/06
14	I11010231	6837	T4E	9/25/06



The truss drawing(s) referenced above have been prepared by MiTek Industries, Inc. under my direct supervision based on the parameters provided by J & R Overhead.

Truss Design Engineer's Name: Miller, Scott
My license renewal date for the state of Florida is February 28, 2007.

NOTE: The seal on these drawings indicate acceptance of professional engineering responsibility solely for the truss components shown. The suitability and use of this component for any particular building is the responsibility of the building designer, per ANSI/TPI-1 Chapter 2.

Scott W. Miller, FL Lic #58316
MiTek Industries, Inc.
14515 North Outer Forty Drive
Suite 300
Chesterfield, MO, 63017
FL Cert.#6634

September 25,2006

Miller, Scott

Job	Truss	Truss Type	Qty	Ply	G.C. CONST. / LOT # 6 R.R	I11010218
0837	T1	PORCH	2	1	Job Reference (optional)	

J & R Overhead,LLC, Keystone Hgts — 6.300 s Jul 11 2006 MiTek Industries, Inc. Mon Sep 25 14:33:40 2006 Page 1

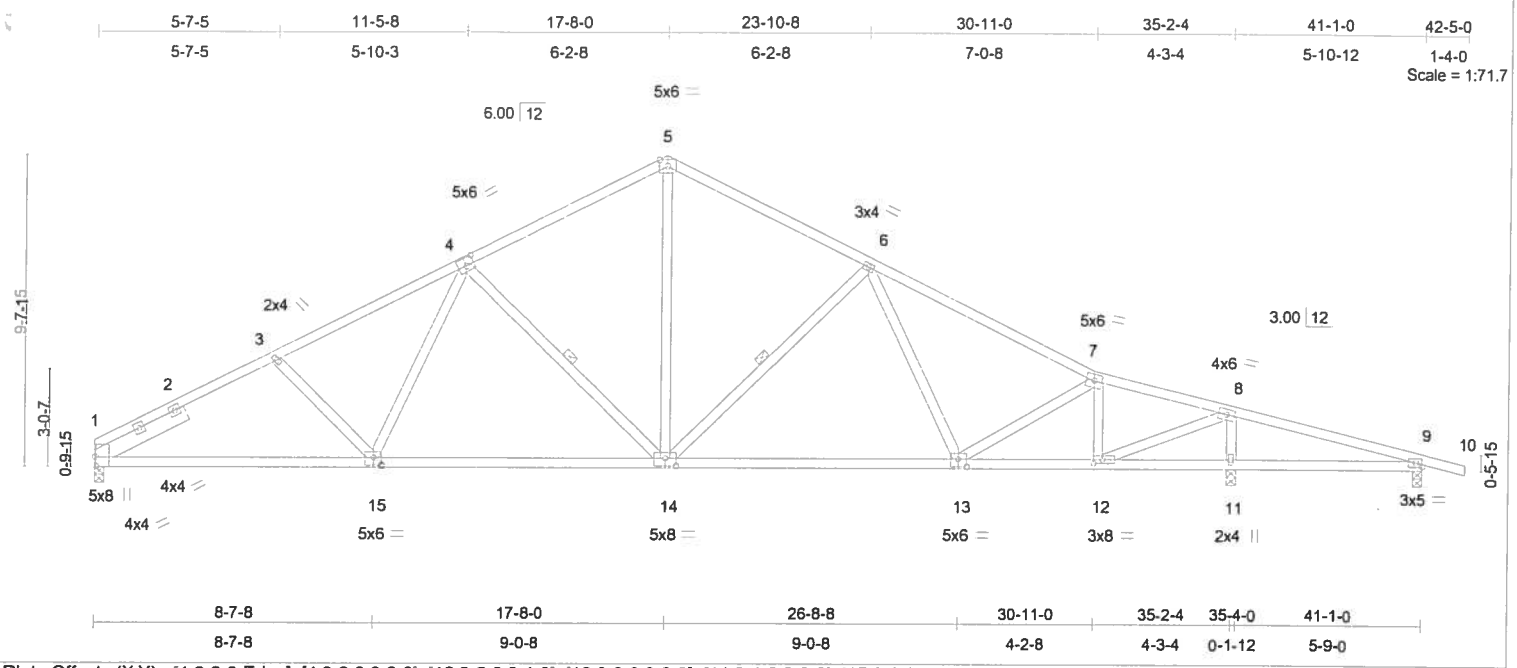


Plate Offsets (X,Y): [1:0-3-8,Edge], [4:0-3-0,0-3-0], [12:0-3-8,0-1-8], [13:0-3-0,0-3-0], [14:0-4-0,0-3-0], [15:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.15	TC	0.48	Vert(LL)	-0.13	13-14	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.15	BC	0.55	Vert(TL)	-0.39	13-14	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.84	Horz(TL)	0.08	11	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)		Wind(LL)	0.10	14-15	>999	240	Weight: 222 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D
WEBS 2 X 4 SYP No.3
SLIDER Left 2 X 6 SYP SS 3-1-13

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-8-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 4-14, 6-14
with 2 X 4 SYP No.3 with 2 - 10d (0.131"x3") nails nails and cross brace spacing of 20-0-0 oc.

REACTIONS (lb/size) 1=1359/0-3-8, 11=1973/0-3-8, 9=32/0-3-8
Max Horz 1=-143(load case 3)
Max Uplift1=-369(load case 5), 11=-611(load case 6), 9=-216(load case 4)
Max Grav 1=1359(load case 1), 11=1973(load case 1), 9=85(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-2291/625, 2-3=-2203/638, 3-4=-2066/604, 4-5=-1503/491, 7-8=-1452/435, 8-9=-214/936, 9-10=0/8, 5-6=-1504/496, 6-7=-1870/527
BOT CHORD 1-15=-585/1910, 14-15=-417/1680, 13-14=-278/1571, 12-13=-324/1426, 11-12=-850/244, 9-11=-850/244
WEBS 3-15=-179/205, 4-15=-65/383, 4-14=-606/336, 5-14=-246/906, 6-14=-484/305, 6-13=0/197, 7-13=0/235, 7-12=-889/280, 8-12=-597/2405, 8-11=-1808/560

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=15ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; porch right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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 369 lb uplift at joint 1, 611 lb uplift at joint 11 and 216 lb uplift at joint 9.

LOAD CASE(S) Standard

Scott W. Miller, FL Lic #58316
MiTek Industries, Inc.
14515 North Outer Forty Drive
Suite 300
Chesterfield, MO, 63017
FL Cert.#6634

September 25,2006

Job	Truss	Truss Type	Qty	Ply	G.C. CONST. / LOT # 6 R.R.	I11010219
8837	T1A	PORCH	6	1	Job Reference (optional)	

J & R Overhead,LLC, Keystone Hgts — 6.300 s Jul 11 2006 MiTek Industries, Inc. Mon Sep 25 14:33:42 2006 Page 1

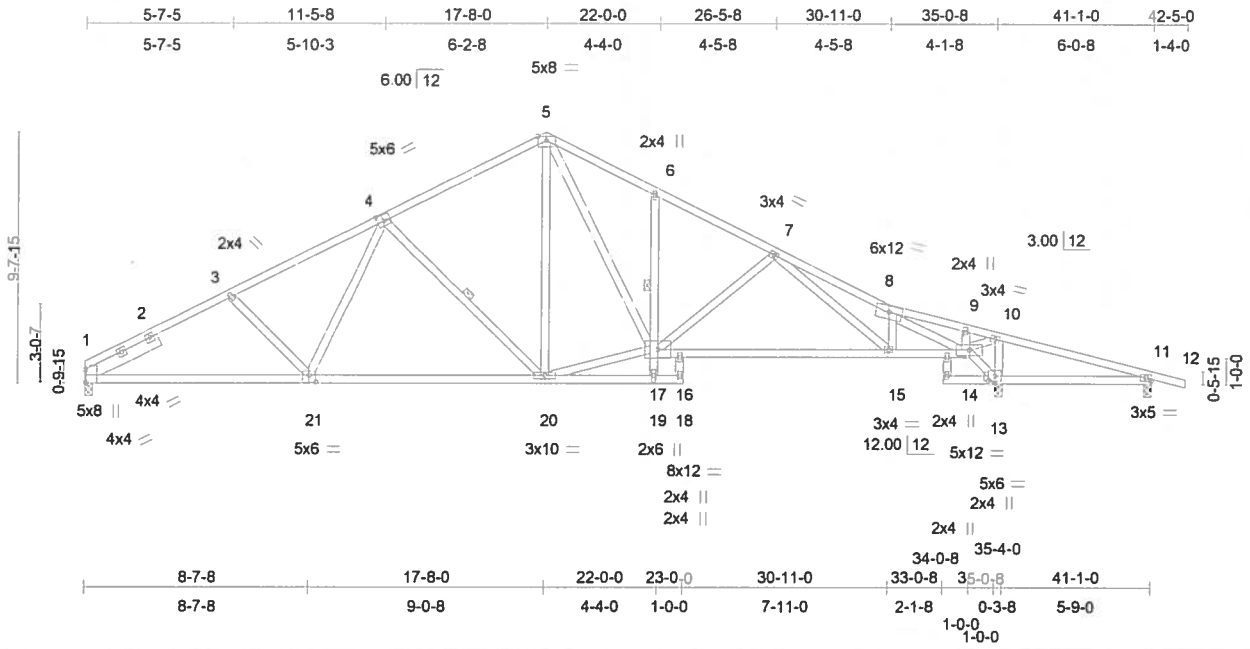


Plate Offsets (X,Y): [1:0-6-0,Edge], [4:0-3-0,0-3-0], [13:0-1-3,0-2-15], [21:0-3-0,0-3-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.15	TC	0.46	Vert(LL)	-0.15	20-21	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.15	BC	0.53	Vert(TL)	-0.44	20-21	>961	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.64	Horz(TL)	0.12	13	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)		Wind(LL)	0.10	15-16	>999	240	Weight: 246 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D *Except*
6-19 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3
SLIDER Left 2 X 6 SYP SS 3-1-13

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-8-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-9-4 oc bracing. Except:
1 Row at midpt 6-17
with 2 X 4 SYP No.3 with 2 - 10d (0.131"x3") nails nails and cross brace spacing of 20-0-0 oc.
WEBS 1 Row at midpt 4-20
with 2 X 4 SYP No.3 with 2 - 10d (0.131"x3") nails nails and cross brace spacing of 20-0-0 oc.

REACTIONS (lb/size) 1=1334/0-3-8, 13=2093/0-3-8, 11=-64/0-3-8
Max Horz 1=-144(load case 3)
Max Uplift1=-365(load case 5), 13=-643(load case 6), 11=-222(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-2247/610, 2-3=-2158/630, 3-4=-2021/595, 4-5=-1447/480, 5-6=-1865/624, 6-7=-1904/520, 7-8=-2018/578, 8-9=-158/629, 9-10=-161/600, 10-11=-282/1305, 11-12=0/8
BOT CHORD 1-21=-577/1871, 20-21=-410/1637, 19-20=-231/0, 18-19=0/0, 17-19=0/234, 6-17=-250/196, 16-17=-340/1851, 15-16=-340/1851, 14-15=-319/1789, 13-14=-1719/462, 11-13=-1203/309
WEBS 3-21=-181/206, 4-21=-61/401, 4-20=-611/335, 5-20=-141/336, 17-20=-86/1314, 5-17=-301/925, 7-17=-296/224, 7-15=-119/89, 8-15=0/266, 8-14=-2761/678, 10-14=-76/773, 10-13=-871/280, 16-18=-150/0, 9-14=-70/5

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=15ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; porch right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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 365 lb uplift at joint 1, 643 lb uplift at joint 13 and 222 lb uplift at joint 11.

LOAD CASE(S) Standard

Scott W. Miller, FL Lic #58316
MiTek Industries, Inc.
14515 North Outer Forty Drive
Suite 300
Chesterfield, MO, 63017
FL Cert.#6634

September 25,2006

Job	Truss	Truss Type	Qty	Ply	G.C. CONST. / LOT # 6 R.R.	I11010220
6837	T1B	PORCH	1	1	Job Reference (optional)	

J & R Overhead,LLC, Keystone Hgts — 6.300 s Jul 11 2006 MiTek Industries, Inc. Mon Sep 25 14:33:43 2006 Page 1

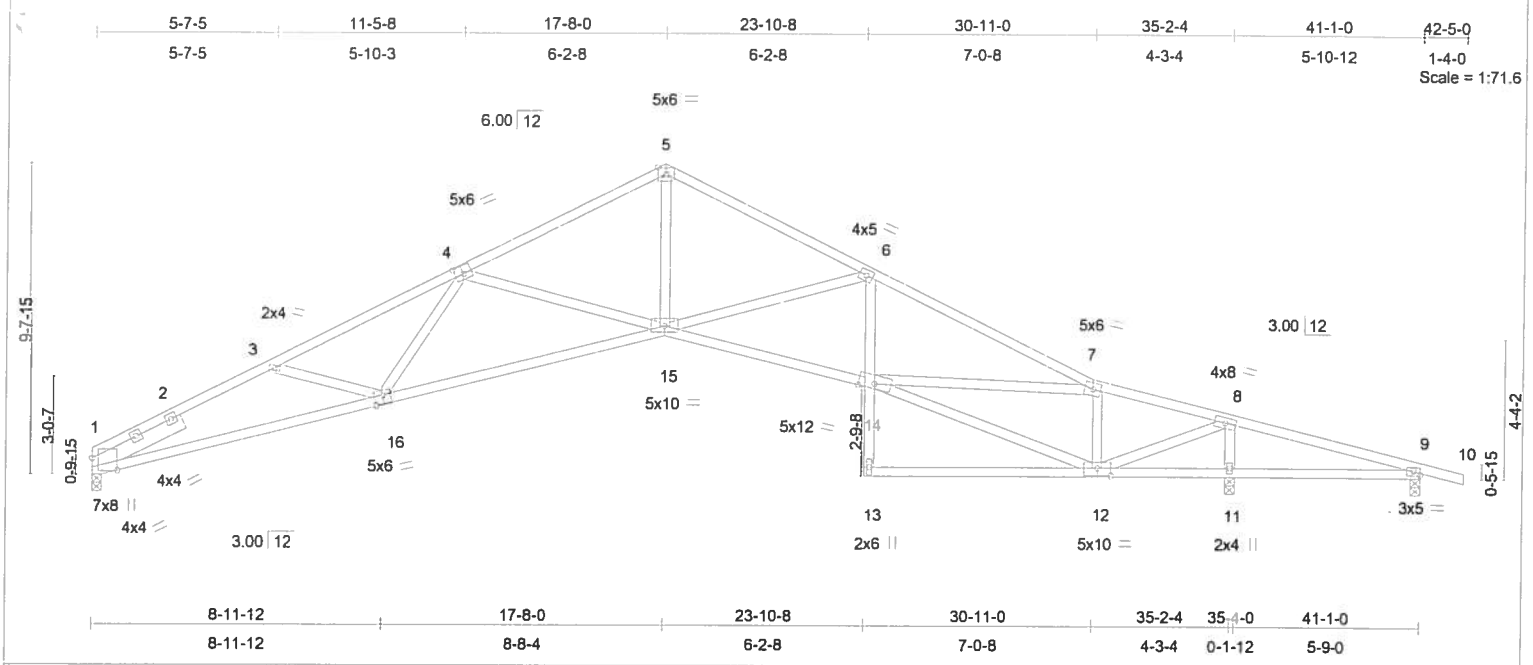


Plate Offsets (X,Y): [1:0-4-10,Edge], [4:0-3-0,0-3-0], [12:0-5-0,0-3-0], [16:0-3-0,0-3-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.15	TC	0.88	Vert(LL)	-0.26	15-16	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.15	BC	0.90	Vert(TL)	-0.75	15-16	>559	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.62	Horz(TL)	0.42	11	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)		Wind(LL)	0.26	15-16	>999	240	Weight: 218 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D *Except* 6-13 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3 *Except* 8-12 2 X 4 SYP No.2D
SLIDER Left 2 X 6 SYP SS 3-1-12

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-0-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 4-2-9 oc bracing.

REACTIONS (lb/size) 1=1295/0-3-8, 11=2404/0-3-8, 9=-340/0-3-8
Max Horz 1=-143(load case 3)
Max Uplift1=-354(load case 5), 11=-683(load case 6), 9=-340(load case 1)
Max Grav 1=1295(load case 1), 11=2404(load case 1), 9=26(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-3454/1010, 2-3=-3364/1023, 3-4=-3301/897, 4-5=-2479/598, 5-6=-2478/616, 6-7=-2879/690, 7-8=-749/297, 8-9=-500/2245, 9-10=0/8
BOT CHORD 1-16=-946/2990, 15-16=-736/2934, 14-15=-416/2593, 13-14=0/146, 6-14=-128/107, 12-13=0/66, 11-12=-2105/501, 9-11=-2105/501
WEBS 3-16=-31/207, 4-16=-13/348, 4-15=-768/433, 5-15=-349/1772, 6-15=-522/357, 12-14=-218/777, 7-14=-324/1726, 7-12=-1357/426, 8-12=-673/3018, 8-11=-2249/621

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=15ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; porch right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
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 354 lb uplift at joint 1, 683 lb uplift at joint 11 and 340 lb uplift at joint 9.

LOAD CASE(S) Standard

Scott W. Miller, FL Lic #58316
MiTek Industries, Inc.
14515 North Outer Forty Drive
Suite 300
Chesterfield, MO, 63017
FL Cert.#6634

September 25,2006

Job	Truss	Truss Type	Qty	Ply	G.C. CONST. / LOT # 6 R.R.	I11010221
6837	T1C	PORCH	2	1	Job Reference (optional)	

J & R Overhead,LLC, Keystone Hgts — 6.300 s Jul 11 2006 MiTek Industries, Inc. Mon Sep 25 14:33:45 2006 Page 1

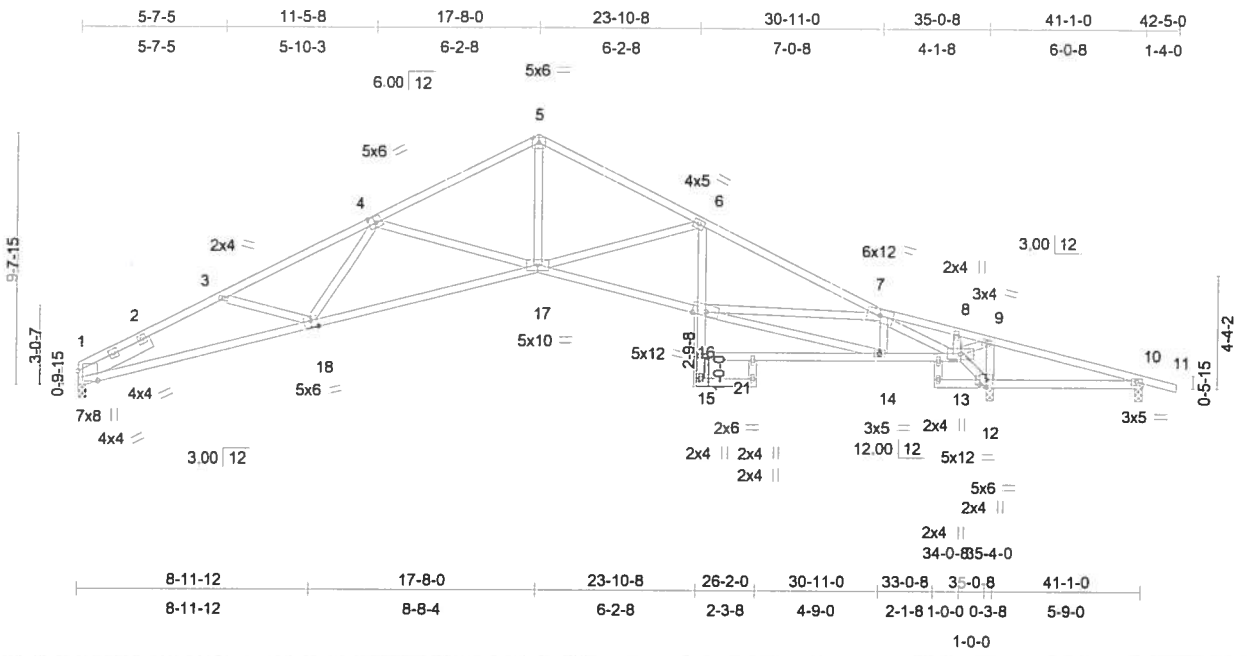


Plate Offsets (X,Y): [1:0-4-10,Edge], [4:0-3-0,0-3-0], [12:0-1-3,0-2-15], [18:0-3-0,0-3-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.15	TC	0.89	Vert(LL)	-0.26	17-18	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.15	BC	0.91	Vert(TL)	-0.75	17-18	>560	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.75	Horz(TL)	0.42	12	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)		Wind(LL)	0.26	17-18	>999	240	Weight: 226 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D *Except* 6-21 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3
SLIDER Left 2 X 6 SYP SS 3-1-12

BRACING
TOP CHORD Structural wood sheathing directly applied or 1-11-14 oc purlins.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.

REACTIONS (lb/size) 1=1304/0-3-8, 12=2280/0-3-8, 10=-226/0-3-8
Max Horz 1=-143(load case 3)
Max Uplift1=-357(load case 5), 12=-667(load case 6), 10=-233(load case 9)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-3483/1021, 2-3=-3392/1034, 3-4=-3332/909, 4-5=-2516/612, 5-6=-2515/630, 6-7=-2947/690, 7-8=-377/1558, 8-9=-370/1512, 9-10=-373/1886, 10-11=0/8
BOT CHORD 1-18=-955/3015, 17-18=-747/2965, 16-17=-441/2660, 15-21=0/0, 15-16=0/150, 6-16=-108/97, 14-15=-1/117, 13-14=-312/1339, 12-13=-2393/548, 10-12=-1760/379
WEBS 3-18=-26/206, 4-18=-12/345, 4-17=-765/432, 5-17=-362/1806, 6-17=-536/357, 14-16=-336/1301, 7-16=-225/1197, 7-14=-285/169, 7-13=-3270/830, 9-13=0/375, 9-12=-652/250, 8-13=-59/18

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=15ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; porch right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
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 357 lb uplift at joint 1, 667 lb uplift at joint 12 and 233 lb uplift at joint 10.

LOAD CASE(S) Standard

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September 25,2006

Job	Truss	Truss Type	Qty	Ply	G.C. CONST. / LOT # 6 R.R.
6837	T1E	PORCH	1	1	I1101022
					Job Reference (optional)

J & R Overhead,LLC, Keystone Hgts

6.300 s Jul 11 2006 MiTek Industries, Inc. Mon Sep 25 14:33:47 2006 Page 1

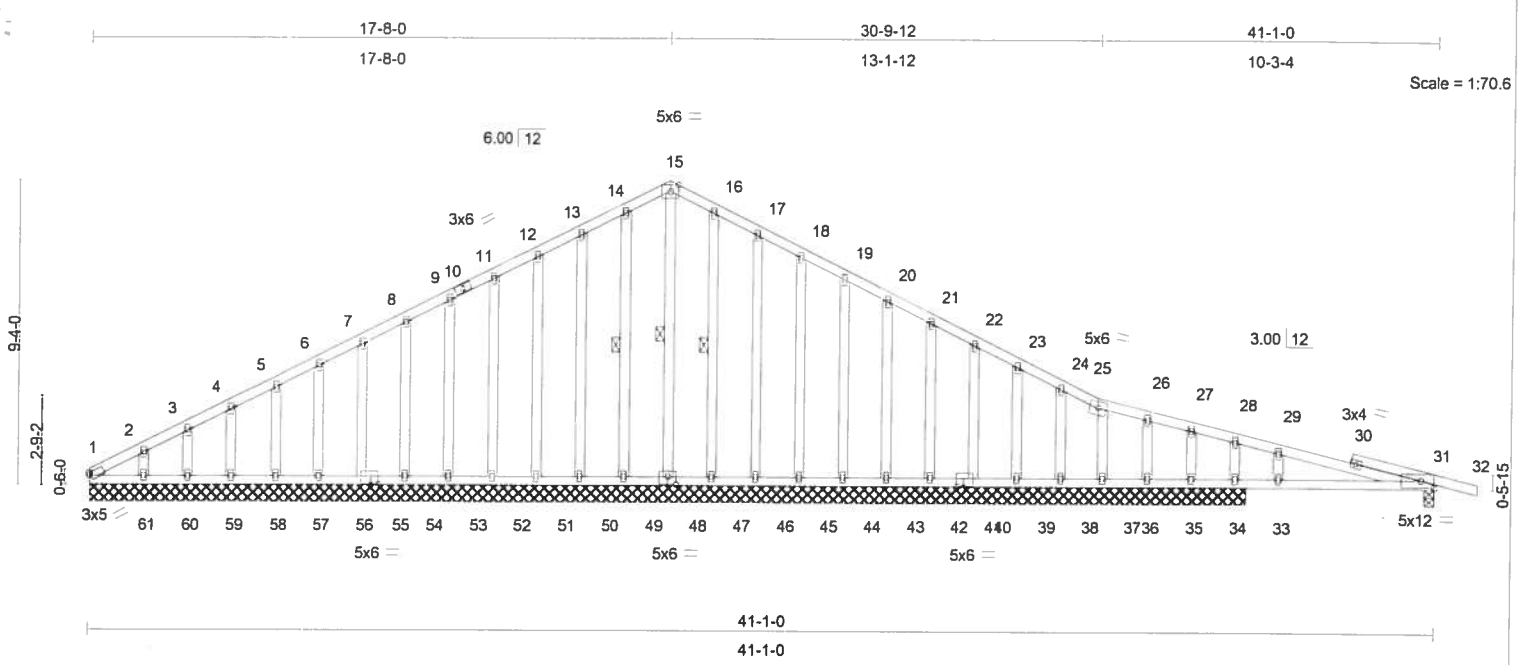

Plate Offsets (X,Y): [1:Edge,0-0-14], [31:Edge,0-2-9], [41:0-2-8,0-0-4], [48:0-3-0,0-3-0], [55:0-2-8,0-0-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.15	TC	0.23	Vert(LL)	-0.02	31-33	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.15	BC	0.24	Vert(TL)	-0.06	31-33	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.09	Horz(TL)	0.01	31	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)		Wind(LL)	0.04	31-33	>999	240	Weight: 310 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 15-48, 14-49, 16-47
with 2 X 4 SYP No.3 with 2 - 10d (0.131"x3") nails nails and cross brace spacing of 20-0-0 oc.

REACTIONS (lb/size) 1=49/35-4-0, 31=294/0-3-8, 48=106/35-4-0, 49=107/35-4-0, 50=107/35-4-0, 51=107/35-4-0, 52=107/35-4-0, 53=107/35-4-0, 54=107/35-4-0, 56=107/35-4-0, 57=107/35-4-0, 58=106/35-4-0, 59=108/35-4-0, 60=100/35-4-0, 61=132/35-4-0, 47=107/35-4-0, 46=107/35-4-0, 45=107/35-4-0, 44=107/35-4-0, 43=107/35-4-0, 42=107/35-4-0, 40=107/35-4-0, 39=107/35-4-0, 38=100/35-4-0, 36=179/35-4-0, 35=-170/35-4-0, 34=544/35-4-0, 37=96/35-4-0
Max Horz 1=-138(load case 3)
Max Uplift 1=-23(load case 3), 31=-206(load case 4), 49=-17(load case 5), 50=-59(load case 5), 51=-51(load case 5), 52=-50(load case 5), 53=-50(load case 5), 54=-50(load case 5), 56=-50(load case 5), 57=-50(load case 5), 58=-50(load case 5), 59=-51(load case 5), 60=-46(load case 5), 61=-97(load case 5), 47=-9(load case 6), 46=-61(load case 6), 45=-51(load case 6), 44=-50(load case 6), 43=-50(load case 6), 42=-50(load case 6), 40=-50(load case 6), 39=-50(load case 6), 38=-49(load case 6), 36=-89(load case 4), 35=-170(load case 1), 34=-343(load case 4), 37=-23(load case 6)
Max Grav 1=106(load case 5), 31=294(load case 1), 48=165(load case 6), 49=107(load case 9), 50=108(load case 9), 51=107(load case 1), 52=107(load case 1), 53=107(load case 9), 54=107(load case 9), 56=107(load case 1), 57=107(load case 9), 58=106(load case 1), 59=108(load case 9), 60=100(load case 1), 61=132(load case 1), 47=108(load case 10), 46=107(load case 10), 45=107(load case 1), 44=107(load case 1), 43=107(load case 10), 42=107(load case 1), 40=107(load case 10), 39=107(load case 1), 38=100(load case 10), 36=179(load case 10), 35=145(load case 4), 34=544(load case 1), 37=96(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-219/54, 2-3=-158/62, 3-4=-125/72, 4-5=-90/82, 5-6=-56/97, 6-7=-22/121, 7-8=-20/145, 8-9=-20/169, 9-10=-20/187, 10-11=-2/193, 11-12=-20/216, 12-13=-20/241, 13-14=-20/268, 14-15=-21/274, 25-26=-51/37, 26-27=-71/23, 27-28=-68/19, 28-29=-113/37, 29-30=-130/33, 30-31=-136/8, 31-32=0/8, 15-16=-18/269, 16-17=-18/253, 17-18=-18/214, 18-19=-18/186, 19-20=-18/146, 20-21=-18/111, 21-22=-18/87, 22-23=-18/76, 23-24=-17/66, 24-25=-30/57
BOT CHORD 1-61=-3/159, 60-61=-3/159, 59-60=-3/159, 58-59=-3/159, 57-58=-3/159, 56-57=-3/159, 55-56=-3/159, 54-55=-3/159, 53-54=-3/159, 52-53=-3/159, 51-52=-3/159, 50-51=-3/159, 49-50=-3/159, 48-49=-3/159, 47-48=-3/159, 46-47=-3/159, 45-46=-3/159, 44-45=-3/159, 43-44=-3/159, 42-43=-3/159, 41-42=-3/159, 40-41=-3/159, 39-40=-3/159, 38-39=-3/159, 37-38=-3/159, 36-37=-8/162, 35-36=-8/162, 34-35=-8/162, 33-34=-8/162, 31-33=-8/162
WEBS 15-48=-152/0, 14-49=-81/30, 13-50=-81/72, 12-51=-80/64, 11-52=-80/63, 9-53=-80/64, 8-54=-80/64, 7-56=-80/64, 6-57=-80/64, 5-58=-80/64, 4-59=-81/64, 3-60=-77/62, 2-61=-92/103, 16-47=-81/22, 17-46=-81/74, 18-45=-80/64, 19-44=-80/63, 20-43=-80/64, 21-42=-80/64, 22-40=-80/64, 23-39=-81/64, 24-38=-71/60, 26-36=-110/75, 27-35=-27/73, 28-34=-259/173, 29-33=-89/64, 25-37=-80/44

Continued on page 2

Scott W. Miller, FL Lic #58316
MiTek Industries, Inc.
14515 North Outer Forty Drive
Suite 300
Chesterfield, MO, 63017
FL Cert.#6634

September 25,2006

Job	Truss	Truss Type	Qty	Ply	G.C. CONST. / LOT # 6 R.R.
8837	T1E	PORCH	1	1	I11010222
					Job Reference (optional)

J & R Overhead,LLC, Keystone Hgts 6.300 s Jul 11 2006 MiTek Industries, Inc. Mon Sep 25 14:33:47 2006 Page 2

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=15ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; porch right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1-2002.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All plates are 2x4 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 studs spaced at 1-4-0 oc.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 23 lb uplift at joint 1, 206 lb uplift at joint 31, 17 lb uplift at joint 49, 59 lb uplift at joint 50 , 51 lb uplift at joint 51, 50 lb uplift at joint 52, 50 lb uplift at joint 53, 50 lb uplift at joint 54, 50 lb uplift at joint 56, 50 lb uplift at joint 57, 50 lb uplift at joint 58, 51 lb uplift at joint 59, 46 lb uplift at joint 60, 97 lb uplift at joint 61, 9 lb uplift at joint 47, 61 lb uplift at joint 46, 51 lb uplift at joint 45, 50 lb uplift at joint 44, 50 lb uplift at joint 43, 50 lb uplift at joint 42, 50 lb uplift at joint 40, 50 lb uplift at joint 39, 49 lb uplift at joint 38, 89 lb uplift at joint 36, 170 lb uplift at joint 35, 343 lb uplift at joint 34 and 23 lb uplift at joint 37.

LOAD CASE(S) Standard

MiTek
POWER TO PERFORM
14515 N. Outer Forty, Suite #300
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	G.C. CONST. / LOT # 6 R.R.	
6837	T2	TRIPLE FINK	1	1	Job Reference (optional)	I11010223

J & R Overhead,LLC, Keystone Hgts — 6.300 s Jul 11 2006 MiTek Industries, Inc. Mon Sep 25 14:33:48 2006 Page 1

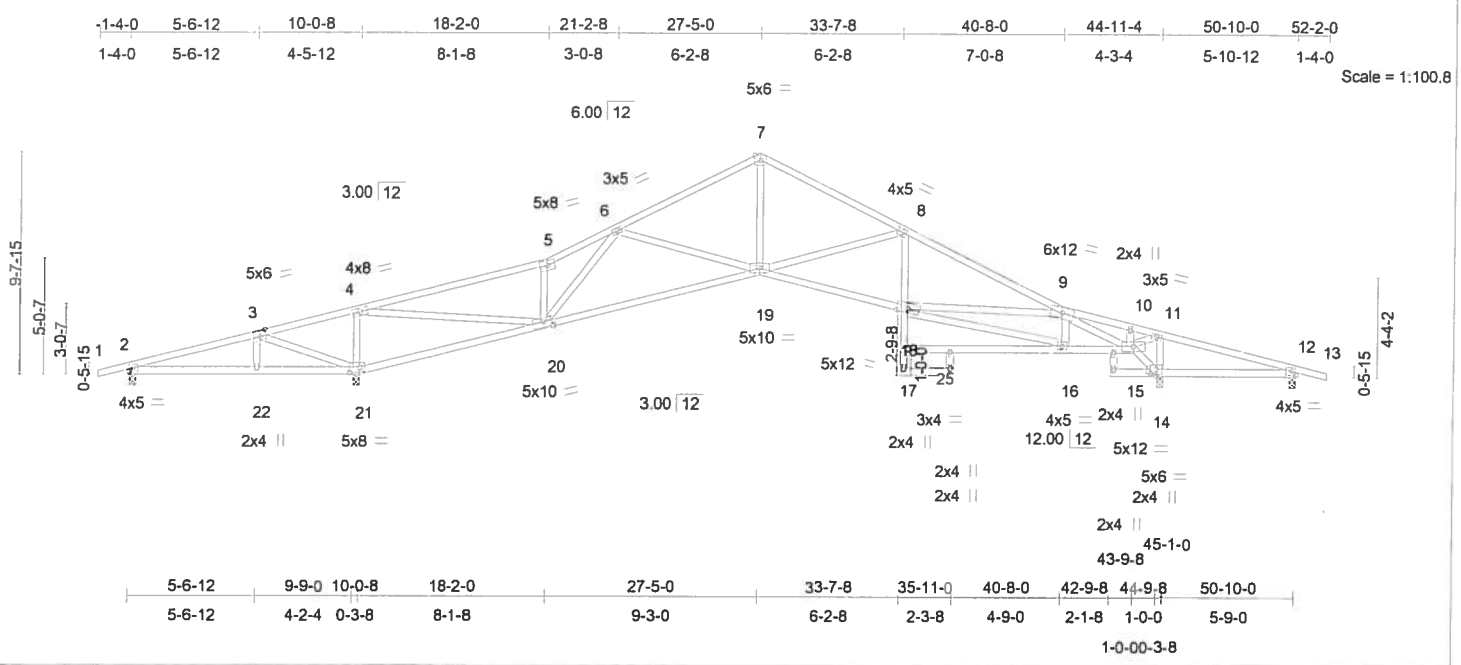

Plate Offsets (X,Y): [3:0-3-0,0-3-0], [14:0-1-3,0-2-15], [20:0-4-8,0-3-0], [21:0-5-4,0-2-12]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.15	TC	0.89	Vert(LL)	-0.19	19-20	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.15	BC	0.68	Vert(TL)	-0.62	19-20	>677	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.81	Horz(TL)	0.24	14	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)		Wind(LL)	0.17	19-20	>999	240	Weight: 272 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D *Except* 8-25 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3 *Except* 4-20 2 X 4 SYP No.2D

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-9-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 4-7-2 oc bracing.

REACTIONS (lb/size) 2=-41/0-3-8, 21=2386/0-3-8, 14=1996/0-3-8, 12=-120/0-3-8
Max Horz 21=-137(load case 6)
Max Uplift2=-271(load case 3), 21=-824(load case 5), 14=-614(load case 6), 12=-232(load case 4)
Max Grav 2=49(load case 9), 21=2386(load case 1), 14=1996(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/8, 2-3=-149/1221, 3-4=-535/1874, 4-5=-1666/400, 5-6=-1834/547, 6-7=-1962/433, 7-8=-1971/456, 8-9=-2440/596, 9-10=-255/1166, 10-11=-248/1116, 11-12=-286/1506, 12-13=0/8
BOT CHORD 2-22=-1127/183, 21-22=-1135/190, 20-21=-1938/560, 19-20=-389/1846, 18-19=-313/2195, 17-25=0/0, 17-18=0/150, 8-18=-79/82, 16-17=0/119, 15-16=-299/1283, 14-15=-1926/463, 12-14=-1395/312
WEBS 3-22=-103/191, 3-21=-684/453, 4-21=-1550/552, 4-20=-845/3428, 5-20=-774/365, 6-20=-303/57, 6-19=-233/230, 7-19=-189/1288, 8-19=-541/366, 16-18=-325/1241, 9-18=-110/803, 9-16=-245/161, 9-15=-2763/737, 11-15=0/396, 11-14=-659/250, 10-15=-63/30

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=15ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; porch left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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 271 lb uplift at joint 2, 824 lb uplift at joint 21, 614 lb uplift at joint 14 and 232 lb uplift at joint 12.

LOAD CASE(S) Standard

Scott W. Miller, FL Lic #58316
MiTek Industries, Inc.
14515 North Outer Forty Drive
Suite 300
Chesterfield, MO, 63017
FL Cert.#6634

September 25,2006

Job	Truss	Truss Type	Qty	Ply	G.C. CONST. / LOT # 6 R.R.	I11010224
6837	T2A	TRIPLE FINK	2	1	Job Reference (optional)	

J & R Overhead,LLC, Keystone Hgts — 6.300 s Jul 11 2006 MiTek Industries, Inc. Mon Sep 25 14:33:50 2006 Page 1

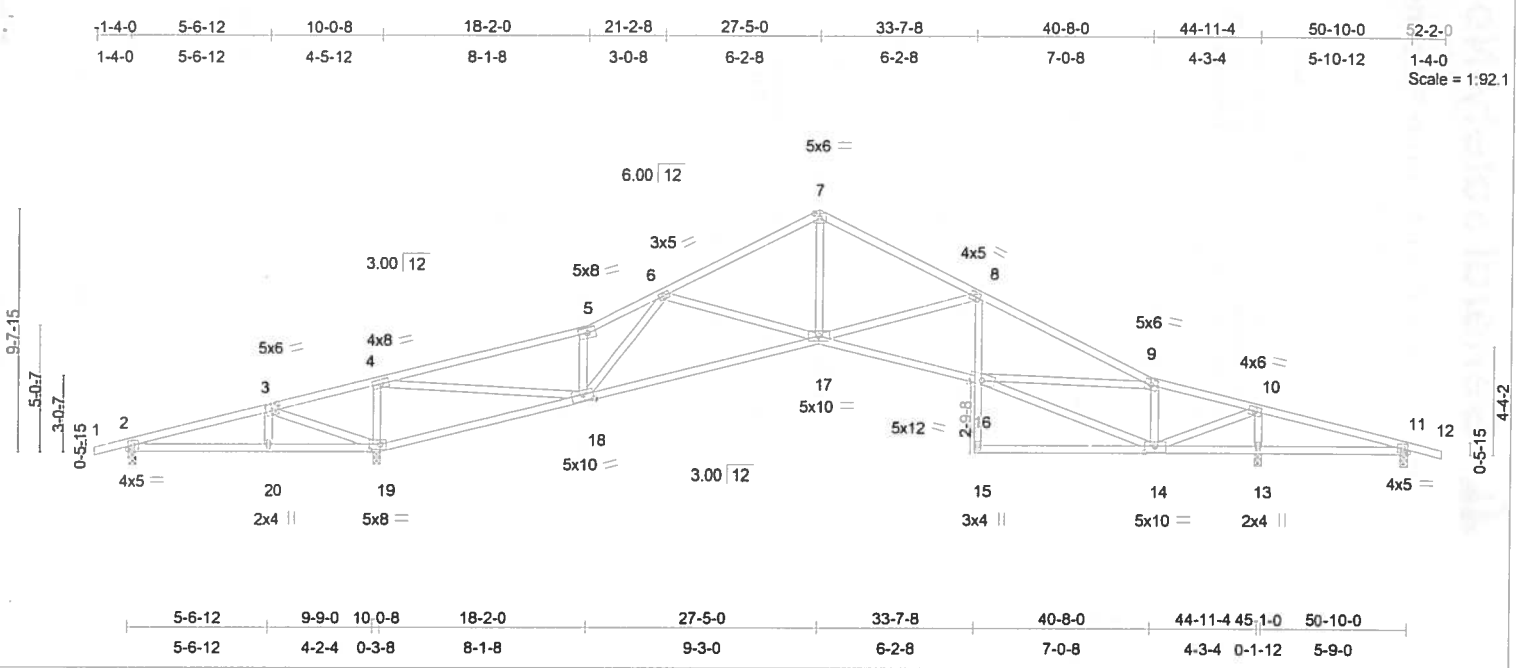

Plate Offsets (X,Y): [3:0-3-0,0-3-0], [14:0-4-12,0-3-0], [18:0-4-8,0-3-0], [19:0-5-4,0-2-12]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.15	TC	0.89	Vert(LL)	-0.20	17-18	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.15	BC	0.69	Vert(TL)	-0.62	17-18	>672	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.87	Horz(TL)	0.24	13	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)		Wind(LL)	0.17	17-18	>999	240	Weight: 264 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D *Except* 8-15 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3 *Except* 4-18 2 X 4 SYP No.2D

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 4-6-9 oc bracing.

REACTIONS (lb/size) 2=-51/0-3-8, 19=2397/0-3-8, 13=2056/0-3-8, 11=-181/0-3-8
Max Horz 19=136(load case 5)
Max Uplift2=-270(load case 3), 19=-824(load case 5), 13=-618(load case 6), 11=-228(load case 4)
Max Grav 2=44(load case 9), 19=2397(load case 1), 13=2056(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/8, 2-3=-155/1256, 3-4=-541/1912, 4-5=-1633/392, 5-6=-1796/538, 6-7=-1944/426, 7-8=-1953/449, 8-9=-2480/613, 9-10=-798/305, 10-11=-330/1688, 11-12=0/8
BOT CHORD 2-20=-1161/188, 19-20=-1168/195, 18-19=-1976/569, 17-18=-382/1820, 16-17=-326/2220, 15-16=0/146, 8-16=-37/110, 14-15=0/66, 13-14=-1570/350, 11-13=-1570/350
WEBS 3-20=-103/192, 3-19=-688/453, 4-19=-1551/551, 4-18=-843/3432, 5-18=-766/363, 6-18=-316/62, 6-17=-229/229, 7-17=-183/1271, 8-17=-595/378, 14-16=-227/825, 9-16=-200/1327, 9-14=-1175/391, 10-14=-575/2498, 10-13=-1906/556

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=15ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; porch left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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 270 lb uplift at joint 2, 824 lb uplift at joint 19, 618 lb uplift at joint 13 and 228 lb uplift at joint 11.

LOAD CASE(S) Standard

Scott W. Miller, FL Lic #58316
MiTek Industries, Inc.
14515 North Outer Forty Drive
Suite 300
Chesterfield, MO, 63017
FL Cert.#6634

September 25,2006

Job	Truss	Truss Type	Qty	Ply	G.C. CONST. / LOT # 6 R.R.
6837	T2B	TRIPLE FINK	3	1	I11010225
					Job Reference (optional)

J & R Overhead,LLC, Keystone Hgts — 6.300 s Jul 11 2006 MiTek Industries, Inc. Mon Sep 25 14:33:51 2006 Page 1

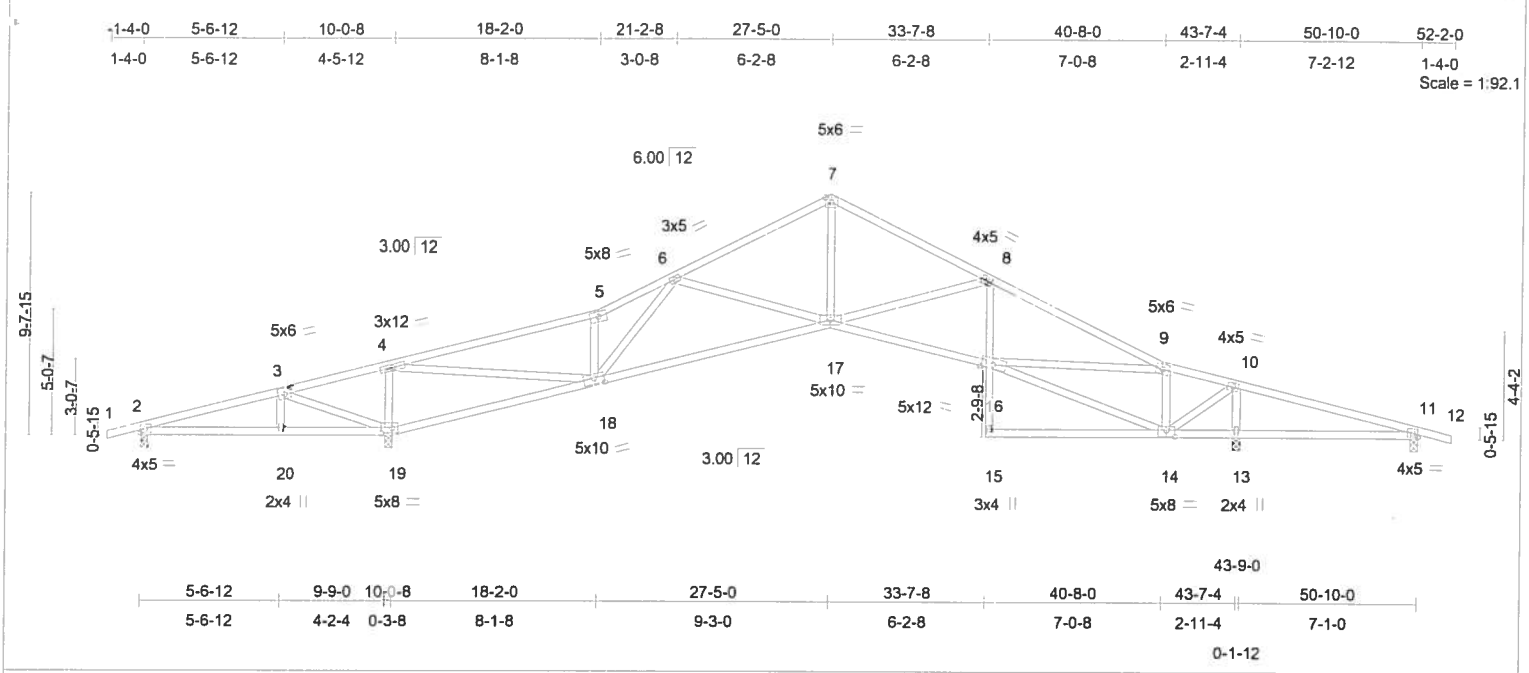

Plate Offsets (X,Y): [3:0-3-0,0-3-0], [14:0-4-0,0-3-0], [18:0-4-12,0-3-0], [19:0-5-4,0-2-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.15	TC	0.85	Vert(LL)	-0.18	17-18	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.15	BC	0.64	Vert(TL)	-0.58	17-18	>696	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.76	Horz(TL)	0.22	13	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)		Wind(LL)	0.15	17-18	>999	240	Weight: 263 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D *Except* 8-15 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3 *Except* 4-18 2 X 4 SYP No.2D

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-1-14 oc purlins.
BOT CHORD Rigid ceiling directly applied or 4-9-15 oc bracing.

REACTIONS (lb/size) 2=5/0-3-8, 19=2265/0-3-8, 13=2027/0-3-8, 11=-76/0-3-8
Max Horz 19=136(load case 5)
Max Uplift2=-274(load case 3), 19=-797(load case 5), 13=-625(load case 6), 11=-263(load case 4)
Max Grav 2=81(load case 9), 19=2265(load case 1), 13=2027(load case 1), 11=14(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/8, 2-3=-113/1059, 3-4=-497/1701, 4-5=-1615/388, 5-6=-1777/534, 6-7=-1773/390, 7-8=-1782/413, 8-9=-2064/504, 9-10=-201/137, 10-11=-288/1528, 11-12=0/8
BOT CHORD 2-20=-971/148, 19-20=-979/155, 18-19=-1760/515, 17-18=-363/1734, 16-17=-225/1835, 15-16=0/144, 8-16=-211/113, 14-15=0/60, 13-14=-1410/302, 11-13=-1410/302
WEBS 3-20=-103/191, 3-19=-671/450, 4-19=-1477/535, 4-18=-795/3205, 5-18=-762/362, 6-18=-222/34, 6-17=-276/244, 7-17=-151/1119, 8-17=-397/318, 14-16=-39/198, 9-16=-262/1615, 9-14=-1079/341, 10-14=-371/1849, 10-13=-1855/513

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=15ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; porch left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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 274 lb uplift at joint 2, 797 lb uplift at joint 19, 625 lb uplift at joint 13 and 263 lb uplift at joint 11.

LOAD CASE(S) Standard

Scott W. Miller, FL Lic #58316
MiTek Industries, Inc.
14515 North Outer Forty Drive
Suite 300
Chesterfield, MO, 63017
FL Cert.#6634

September 25,2006

Job	Truss	Truss Type	Qty	Ply	G.C. CONST. / LOT # 6 R.R.
6837	T2D	TRIPLE FINK	8	1	I11010226
					Job Reference (optional)

J & R Overhead,LLC, Keystone Hgts — 6.300 s Jul 11 2006 MiTek Industries, Inc. Mon Sep 25 14:33:53 2006 Page 1

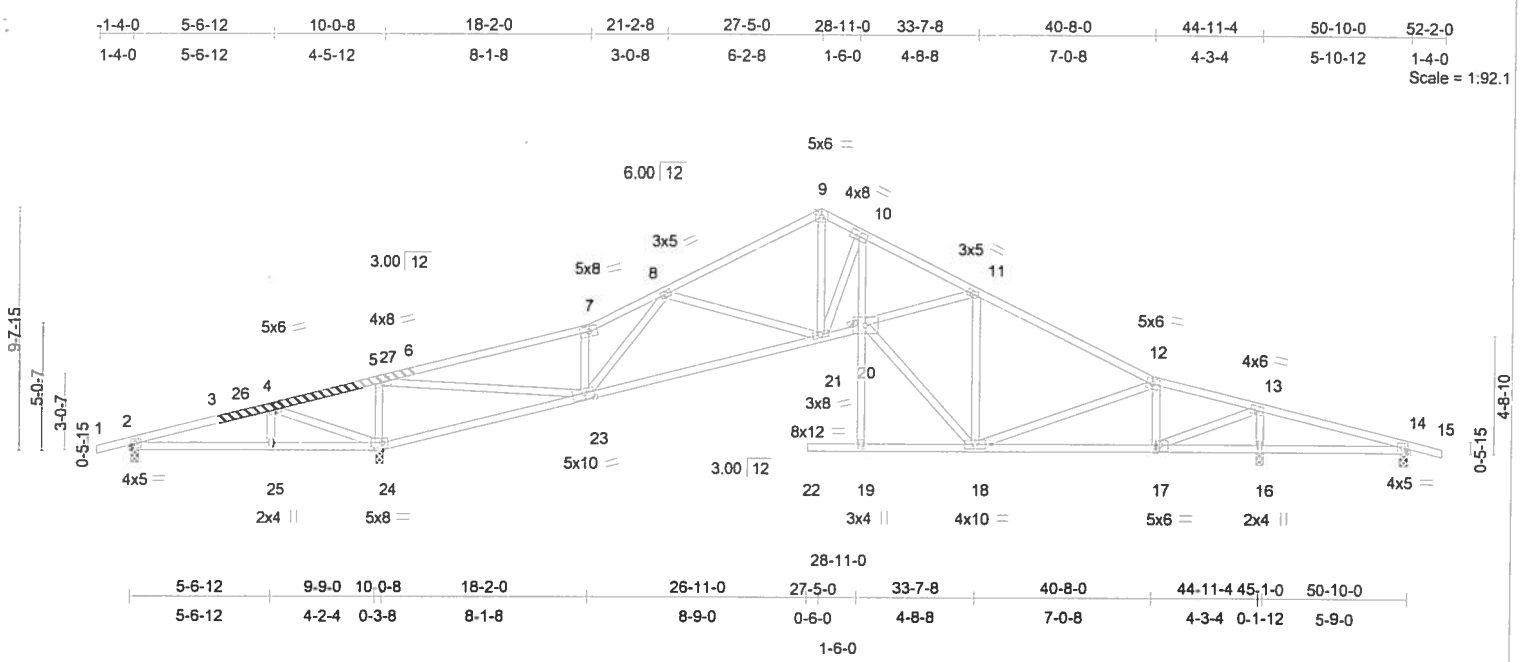

Plate Offsets (X,Y): [4:0-3-0,0-3-0], [17:0-2-0,0-3-0], [23:0-4-4,0-3-0], [24:0-5-4,0-2-12]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.15	TC	0.73	Vert(LL)	-0.25	22	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.15	BC	0.84	Vert(TL)	-0.66	22	>633	240		
BCLL	0.0	Rep Stress Incr	NO	WB	0.93	Horz(TL)	0.30	16	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)		Wind(LL)	0.23	22	>999	240	Weight: 294 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D
WEBS 2 X 4 SYP No.3 *Except* 5-23 2 X 4 SYP No.2D
LBR SCAB 3-6 2 X 4 SYP No.2D one side

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-6-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 4-5-10 oc bracing.
JOINTS 1 Brace at Jt(s): 20

REACTIONS (lb/size) 2=-74/0-3-8, 24=2459/0-3-8, 16=2092/0-3-8, 14=-188/0-3-8
Max Horz 24=136(load case 5)
Max Uplift 2=-282(load case 3), 24=-813(load case 5), 16=-599(load case 6), 14=-232(load case 4)
Max Grav 2=27(load case 9), 24=2459(load case 1), 16=2092(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/8, 2-3=-104/1221, 3-26=-92/1224, 4-26=-88/1256, 4-5=-493/1969, 5-27=-1656/390, 6-27=-1650/392, 6-7=-1591/410, 7-8=-1815/554, 8-9=-2052/433, 9-10=-1904/442, 10-11=-2748/534, 11-12=-1435/443, 12-13=-842/341, 13-14=-306/1715, 14-15=0/8
BOT CHORD 2-25=-1163/141, 24-25=-1171/148, 23-24=-2037/530, 21-23=-396/1885, 20-21=-236/2426, 19-20=0/190, 10-20=-237/1802, 19-22=0/0, 18-19=0/14, 17-18=-234/833, 16-17=-1596/314, 14-16=-1596/314
WEBS 4-25=-103/195, 4-24=-746/453, 5-24=-1578/551, 5-23=-812/3512, 7-23=-751/355, 8-23=-393/66, 8-21=-183/236, 9-21=-183/1296, 10-21=-1518/250, 18-20=-252/1760, 11-20=-66/1223, 11-18=-1327/254, 12-18=-45/397, 12-17=-878/296, 13-17=-563/2571, 13-16=-1944/539

NOTES
1) Attached 8-0-8 scab 3 to 6, front face(s) 2 X 4 SYP No.2D with 1 row(s) of 10d (0.131"x3") nails spaced 9" o.c.except : starting at 5-7-4 from end at joint 3, nail 1 row(s) at 7 o.c. for 2-5-4.
2) Unbalanced roof live loads have been considered for this design.
3) Wind: ASCE 7-02; 110mph (3-second gust); h=15ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; porch left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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 282 lb uplift at joint 2, 813 lb uplift at joint 24, 599 lb uplift at joint 16 and 232 lb uplift at joint 14.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) . The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

Continued on page 2

Scott W. Miller, FL Lic #58316
MiTek Industries, Inc.
14515 North Outer Forty Drive
Suite 300
Chesterfield, MO, 63017
FL Cert.#6634

September 25,2006

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: 1-7=-60, 7-9=-60, 9-12=-60, 12-15=-60, 2-24=-20, 20-24=-20, 19-22=-20, 14-19=-20

Concentrated Loads (lb)

Vert: 22=-25(F)

MiTek
POWER TO PERFORM.
14515 N. Outer Forty, Suite #300
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	G.C. CONST. / LOT # 6 R.R.
6837	T3	FINK	5	1	I11010227
					Job Reference (optional)

J & R Overhead,LLC, Keystone Hgts — 6.300 s Jul 11 2006 MiTek Industries, Inc. Mon Sep 25 14:33:54 2006 Page 1

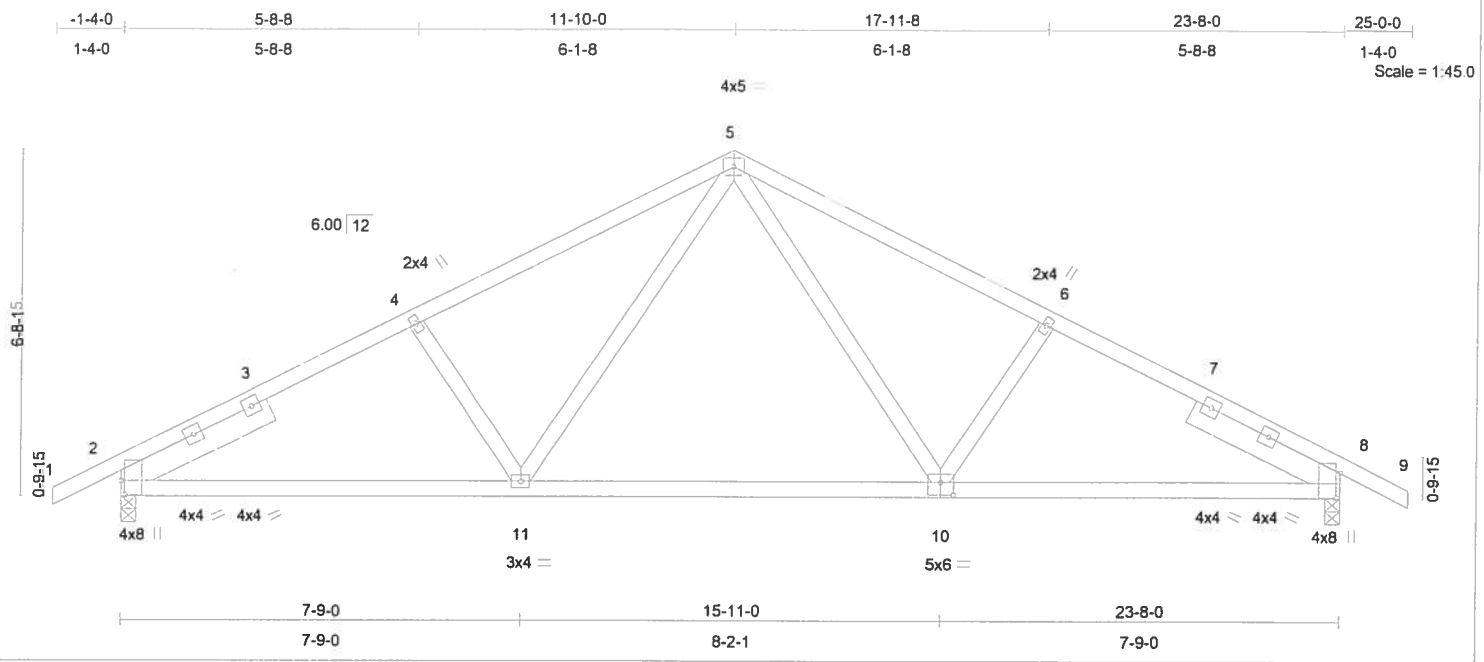

Plate Offsets (X,Y): [2:0-3-4,0-0-14], [8:0-5-12,0-0-14], [10:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.15	TC	0.32	Vert(LL)	-0.07	10-11	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.15	BC	0.39	Vert(TL)	-0.22	10-11	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.15	Horz(TL)	0.04	8	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)		Wind(LL)	0.05	10-11	>999	240	Weight: 127 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D
WEBS 2 X 4 SYP No.3
SLIDER Left 2 X 6 SYP SS 3-2-8, Right 2 X 6 SYP SS 3-2-8

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-2-5 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=1027/0-3-8, 8=1027/0-3-8
Max Horz 2=-96(load case 6)
Max Uplift2=-330(load case 5), 8=-330(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/9, 2-3=-1486/381, 3-4=-1408/407, 4-5=-1308/411, 5-6=-1308/411, 6-7=-1408/407, 7-8=-1486/381, 8-9=0/9
BOT CHORD 2-11=-342/1223, 10-11=-145/889, 8-10=-246/1223
WEBS 4-11=-256/232, 5-11=-135/441, 5-10=-135/441, 6-10=-256/232

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=15ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.33 plate grip DOL=1.33.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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 330 lb uplift at joint 2 and 330 lb uplift at joint 8.

LOAD CASE(S) Standard

Scott W. Miller, FL Lic #58316
MiTek Industries, Inc.
14515 North Outer Forty Drive
Suite 300
Chesterfield, MO, 63017
FL Cert.#6634

September 25,2006

MiTek
POWER TO PERFORM.
14515 N. Outer Forty, Suite #300
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	G.C. CONST. / LOT # 6 R.R.
6837	T3A	FINK	6	1	I11010228
					Job Reference (optional)

J & R Overhead,LLC, Keystone Hgts — 6.300 s Jul 11 2006 MiTek Industries, Inc. Mon Sep 25 14:33:55 2006 Page 1

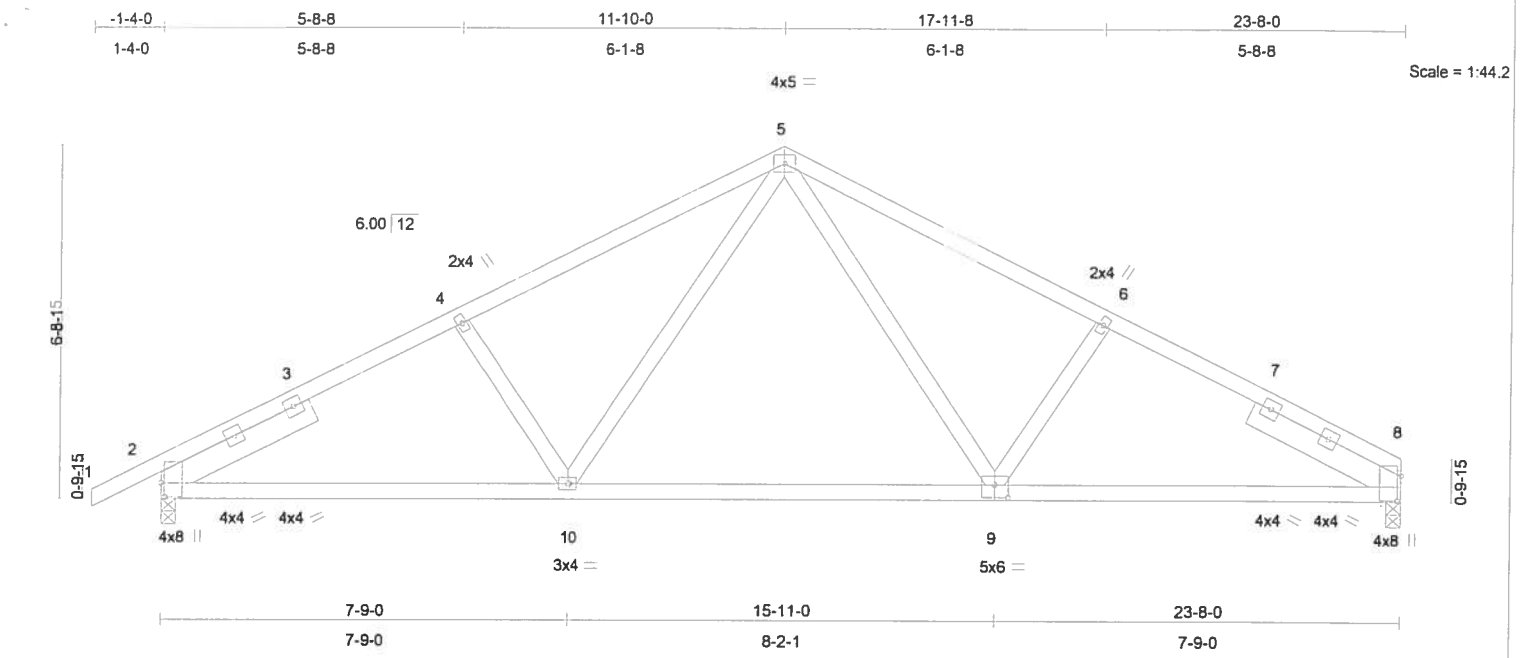

Plate Offsets (X,Y): [2:0-3-4,0-0-14], [8:0-5-12,0-0-14], [9:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.15	TC	0.31	Vert(LL)	-0.07	9-10	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.15	BC	0.39	Vert(TL)	-0.22	9-10	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.16	Horz(TL)	0.04	8	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)		Wind(LL)	0.05	9-10	>999	240	Weight: 125 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D
WEBS 2 X 4 SYP No.3
SLIDER Left 2 X 6 SYP SS 3-2-8, Right 2 X 6 SYP SS 3-2-8

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-2-3 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=1029/0-3-8, 8=944/0-3-8
Max Horz 2=100(load case 5)
Max Uplift2=-330(load case 5), 8=-255(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/9, 2-3=-1491/382, 3-4=-1413/408, 4-5=-1312/412, 5-6=-1319/421, 6-7=-1420/418, 7-8=-1503/398
BOT CHORD 2-10=-347/1226, 9-10=-150/893, 8-9=-269/1237
WEBS 4-10=-256/232, 5-10=-135/441, 5-9=-145/451, 6-9=-264/239

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=15ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.33 plate grip DOL=1.33.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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 330 lb uplift at joint 2 and 255 lb uplift at joint 8.

LOAD CASE(S) Standard

Scott W. Miller, FL Lic #58316
MiTek Industries, Inc.
14515 North Outer Forty Drive
Suite 300
Chesterfield, MO, 63017
FL Cert.#6634

September 25,2006

Job	Truss	Truss Type	Qty	Ply	G.C. CONST. / LOT # 6 R.R.
6837	T3E	FINK	1	1	I11010229
					Job Reference (optional)

J & R Overhead,LLC, Keystone Hgts — 6.300 s Jul 11 2006 MiTek Industries, Inc. Mon Sep 25 14:33:56 2006 Page 1

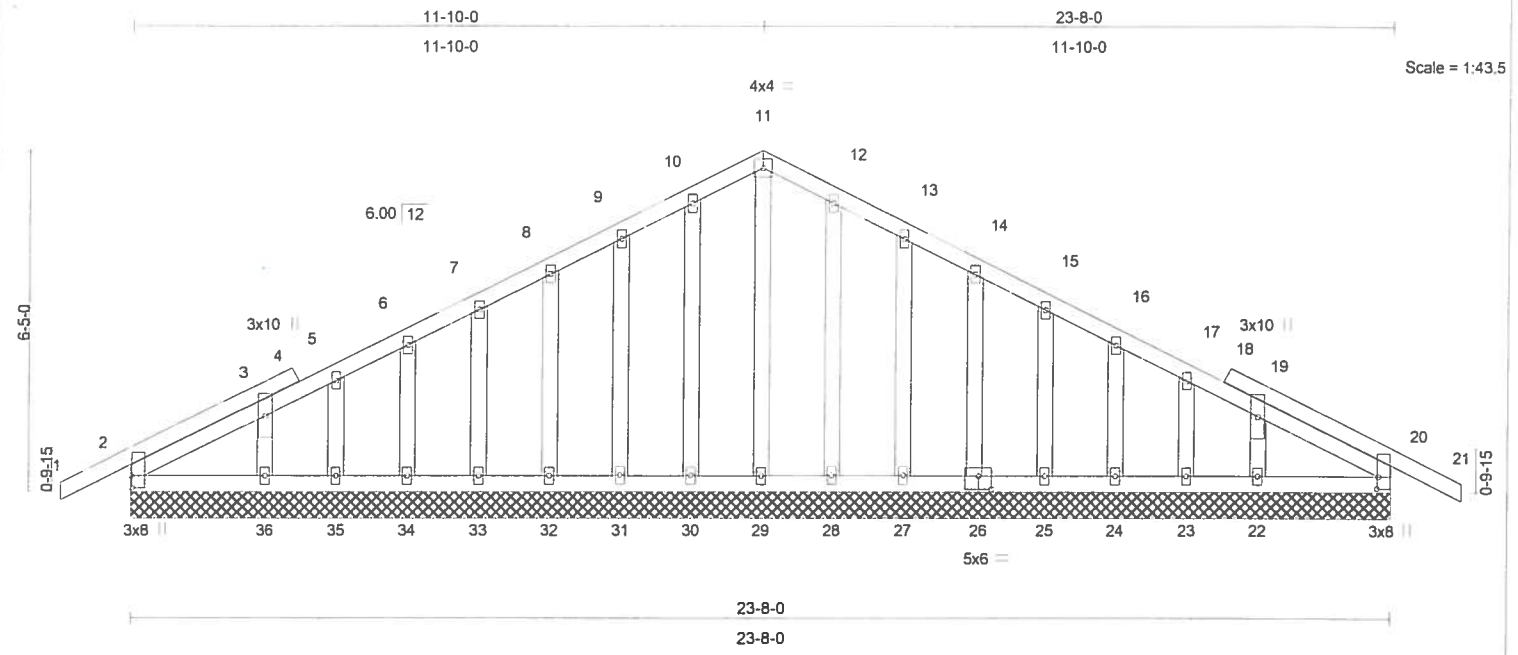

Plate Offsets (X,Y): [2:0-2-12,0-0-3], [20:0-2-12,0-0-5], [26:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.15	TC	0.09	Vert(LL)	-0.00	21	n/r	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.15	BC	0.03	Vert(TL)	-0.01	21	n/r	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.06	Horz(TL)	0.00	20	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)		Wind(LL)	0.00	21	n/r	120	Weight: 165 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D
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) 2=198/23-8-0, 20=197/23-8-0, 29=96/23-8-0, 30=106/23-8-0, 31=107/23-8-0, 32=107/23-8-0, 33=106/23-8-0, 34=109/23-8-0, 35=94/23-8-0, 36=152/23-8-0, 28=105/23-8-0, 27=108/23-8-0, 26=107/23-8-0, 25=105/23-8-0, 24=109/23-8-0, 23=93/23-8-0, 22=152/23-8-0
Max Horz 2=-91(load case 6)
Max Uplift 2=-56(load case 5), 20=-79(load case 6), 30=-33(load case 5), 31=-56(load case 5), 32=-50(load case 5), 33=-50(load case 5), 34=-50(load case 5), 35=-42(load case 5), 36=-77(load case 5), 28=-28(load case 6), 27=-57(load case 6), 26=-50(load case 6), 25=-52(load case 6), 24=-50(load case 6), 23=-46(load case 6), 22=-69(load case 6)
Max Grav 2=198(load case 1), 20=197(load case 1), 29=105(load case 6), 30=107(load case 9), 31=107(load case 9), 32=107(load case 1), 33=106(load case 9), 34=109(load case 9), 35=94(load case 1), 36=153(load case 9), 28=107(load case 10), 27=109(load case 10), 26=107(load case 1), 25=105(load case 10), 24=109(load case 10), 23=93(load case 1), 22=153(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/9, 2-3=-122/46, 3-4=-64/45, 4-5=-60/48, 5-6=-45/69, 6-7=-31/93, 7-8=-31/117, 8-9=-31/141, 9-10=-31/167, 10-11=-30/181, 11-12=-30/176, 12-13=-31/151, 13-14=-31/114, 14-15=-29/79, 15-16=-29/51, 16-17=-28/27, 17-18=-21/10, 18-19=-26/7, 19-20=-80/28, 20-21=0/9
BOT CHORD 2-36=0/115, 35-36=0/115, 34-35=0/115, 33-34=0/115, 32-33=0/115, 31-32=0/115, 30-31=0/115, 29-30=0/115, 28-29=0/115, 27-28=0/115, 26-27=0/115, 25-26=0/116, 24-25=0/116, 23-24=0/116, 22-23=0/116, 20-22=0/116
WEBS 11-29=-92/0, 10-30=-81/46, 9-31=-81/69, 8-32=-80/63, 7-33=-80/63, 6-34=-81/65, 5-35=-72/52, 3-36=-112/100, 12-28=-81/41, 13-27=-81/71, 14-26=-81/63, 15-25=-80/64, 16-24=-81/64, 17-23=-72/55, 19-22=-112/92

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=15ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.33 plate grip DOL=1.33.
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1-2002.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All plates are 2x4 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 1-4-0 oc.

Continued on page 2

Scott W. Miller, FL Lic #58316
MiTek Industries, Inc.
14515 North Outer Forty Drive
Suite 300
Chesterfield, MO, 63017
FL Cert.#6634

September 25,2006

Job	Truss	Truss Type	Qty	Ply	G.C. CONST. / LOT # 6 R.R.
6837	T3E	FINK	1	1	I1010229
					Job Reference (optional)

NOTES

9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 56 lb uplift at joint 2, 79 lb uplift at joint 20, 33 lb uplift at joint 30, 56 lb uplift at joint 31, 50 lb uplift at joint 32, 50 lb uplift at joint 33, 50 lb uplift at joint 34, 42 lb uplift at joint 35, 77 lb uplift at joint 36, 28 lb uplift at joint 28, 57 lb uplift at joint 27, 50 lb uplift at joint 26, 52 lb uplift at joint 25, 50 lb uplift at joint 24, 46 lb uplift at joint 23 and 69 lb uplift at joint 22.

LOAD CASE(S) Standard

MiTek
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14515 N. Outer Forty, Suite #300
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	G.C. CONST. / LOT # 6 R.R.
5837	T4	TRIPLE FINK	6	1	I11010230
J & R Overhead,LLC, Keystone Hgts					Job Reference (optional)

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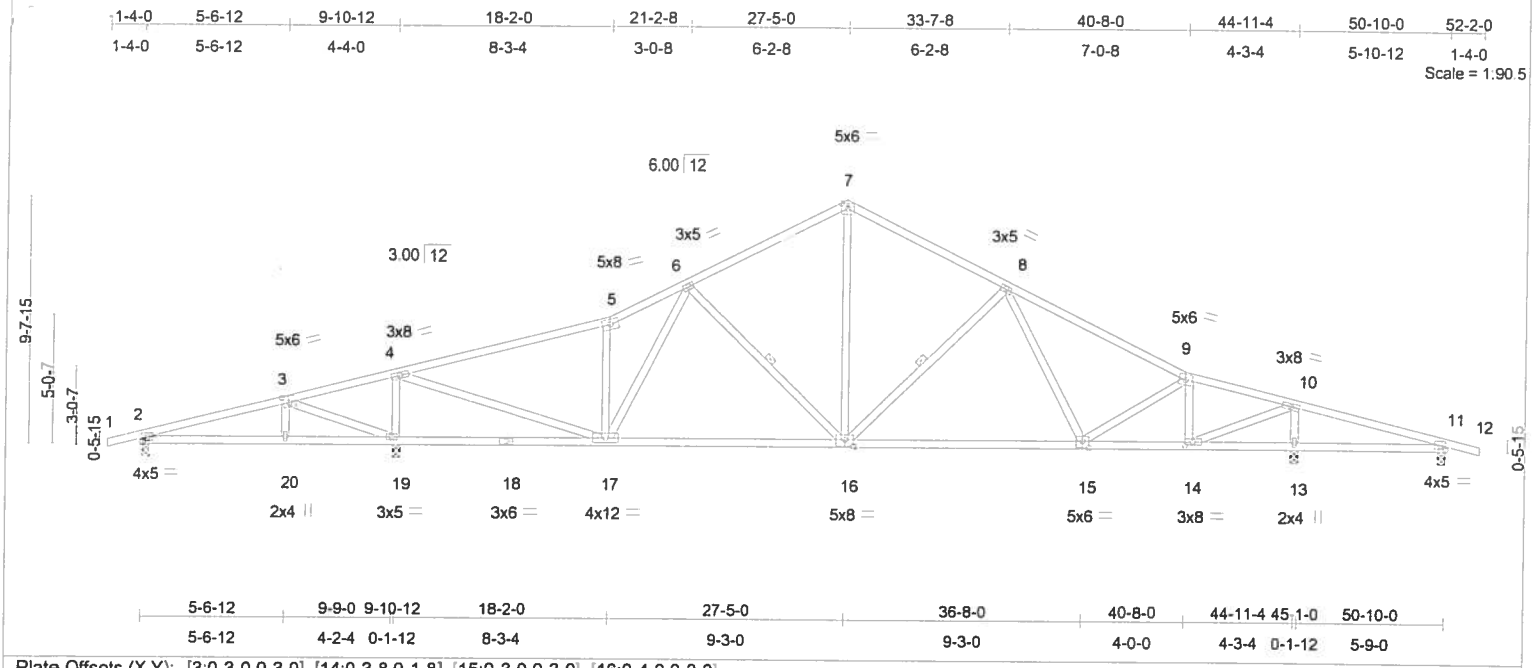

Plate Offsets (X,Y): [3:0-3-0,0-3-0], [14:0-3-8,0-1-8], [15:0-3-0,0-3-0], [16:0-4-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.15	TC	0.67	Vert(LL)	-0.14	15-16	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.15	BC	0.55	Vert(TL)	-0.40	15-16	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.79	Horz(TL)	0.04	13	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)		Wind(LL)	0.10	16-17	>999	240	Weight: 269 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-3-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 6-16, 8-16
with 2 X 4 SYP No.3 with 2 - 10d (0.131"x3") nails nails and cross brace spacing of 20-0-0 oc.

REACTIONS (lb/size) 2=265/0-3-8, 19=2021/0-3-8, 13=1889/0-3-8, 11=46/0-3-8
Max Horz 19=136(load case 5)
Max Uplift2=-270(load case 3), 19=-739(load case 5), 13=-590(load case 6), 11=-218(load case 4)
Max Grav 2=296(load case 9), 19=2021(load case 1), 13=1889(load case 1), 11=95(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/8, 2-3=-46/211, 3-4=-283/713, 4-5=-1605/390, 5-6=-1758/532, 6-7=-1362/451, 7-8=-1371/437, 8-9=-1754/495, 9-10=-1375/412, 10-11=-206/886, 11-12=0/8
BOT CHORD 2-20=-152/0, 19-20=-158/0, 18-19=-650/366, 17-18=-650/366, 16-17=-295/1406, 15-16=-229/1457, 14-15=-301/1350, 13-14=-802/236, 11-13=-802/236
WEBS 3-20=-102/179, 3-19=-577/426, 4-19=-1677/602, 4-17=-587/2259, 5-17=-758/360, 6-17=-137/304, 6-16=-415/240, 7-16=-203/764, 8-16=-488/307, 8-15=0/209, 9-15=0/218, 9-14=-844/265, 10-14=-565/2273, 10-13=-1724/540

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=15ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; cantilever left and right exposed ; end vertical left and right exposed; porch left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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 270 lb uplift at joint 2, 739 lb uplift at joint 19, 590 lb uplift at joint 13 and 218 lb uplift at joint 11.

LOAD CASE(S) Standard

Scott W. Miller, FL Lic #58316
MiTek Industries, Inc.
14515 North Outer Forty Drive
Suite 300
Chesterfield, MO, 63017
FL Cert.#6634

September 25,2006

MiTek
POWER TO PERFORM.
14515 N. Outer Forty, Suite #300
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	G.C. CONST. / LOT # 6 R.R.
F837	T4E	TRIPLE FINK	1	1	I11010231
					Job Reference (optional)

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02, 110mph (3-second gust); h=15ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; porch left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1-2002.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All plates are 2x4 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 studs spaced at 1-4-0 oc.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 207 lb uplift at joint 38, 269 lb uplift at joint 2, 833 lb uplift at joint 66, 802 lb uplift at joint 65, 172 lb uplift at joint 64, 11 lb uplift at joint 63, 47 lb uplift at joint 62, 39 lb uplift at joint 61, 42 lb uplift at joint 60, 49 lb uplift at joint 59, 50 lb uplift at joint 58, 50 lb uplift at joint 57, 51 lb uplift at joint 56, 58 lb uplift at joint 55, 19 lb uplift at joint 54, 13 lb uplift at joint 52, 60 lb uplift at joint 51, 51 lb uplift at joint 50, 50 lb uplift at joint 49, 50 lb uplift at joint 48, 50 lb uplift at joint 47, 51 lb uplift at joint 46, 49 lb uplift at joint 45, 49 lb uplift at joint 44, 23 lb uplift at joint 43, 76 lb uplift at joint 42, 132 lb uplift at joint 41 and 325 lb uplift at joint 40.

LOAD CASE(S) Standard

MiTek
POWER TO PERFORM
14515 N. Outer Forty, Suite #300
Chesterfield, MO 63017