Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 3 MAYFAIR J1914810
L262515	T01	COMMON	7	1	Job Reference (optional)

NOTES

6) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-4=-54, 4-7=-54, 2-10=-10, 8-10=-70(F=-60), 6-8=-10

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December 4,2007

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 3 MAYFAIR
L262515	T01G	GABLE	1	1	J1914811 Job Reference (optional)

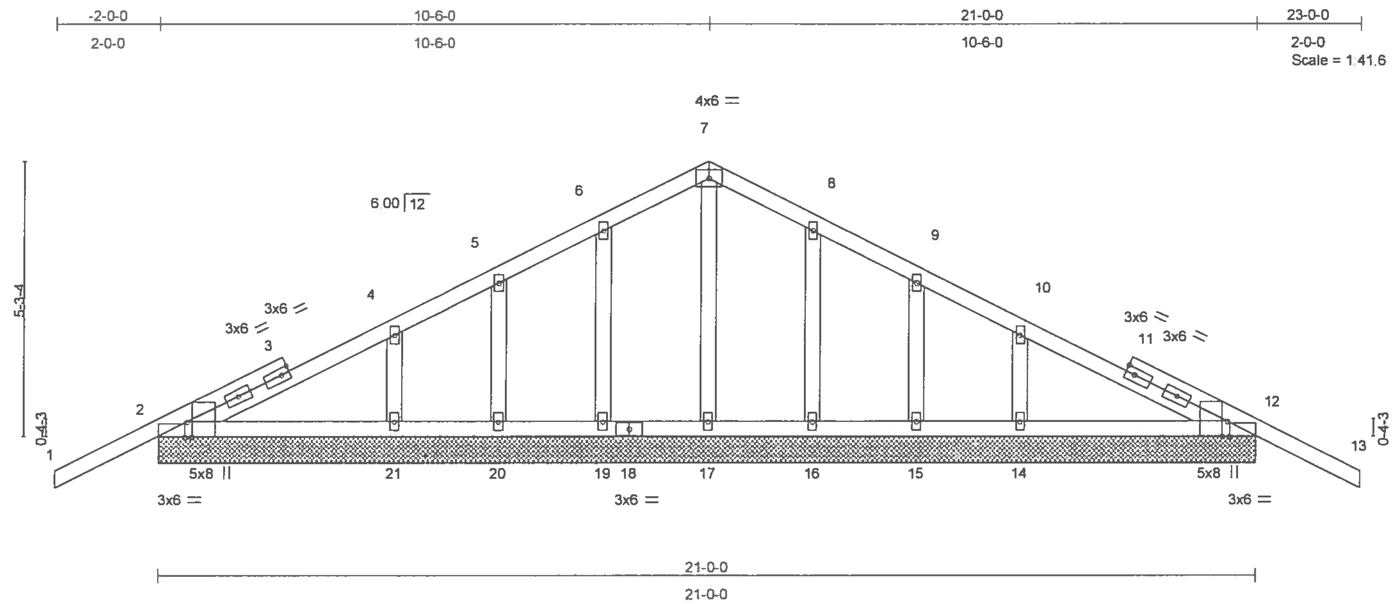

Plate Offsets (X,Y): [2:0-3-8,Edge], [2:0-0-8,Edge], [12:0-3-8,Edge], [12:0-0-8,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.49	Vert(LL)	-0.03	13	n/r	120	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.09	Vert(TL)	-0.05	13	n/r	90		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.12	Horz(TL)	0.00	12	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 110 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) 2=508/21-0-0, 12=508/21-0-0, 17=281/21-0-0, 19=269/21-0-0, 20=175/21-0-0, 21=438/21-0-0, 16=269/21-0-0, 15=175/21-0-0, 14=438/21-0-0
Max Horz 2=107(load case 6)
Max Uplift 2=-306(load case 6), 12=-324(load case 7), 17=-31(load case 6), 19=-149(load case 6), 20=-124(load case 6), 21=-215(load case 6), 16=-148(load case 7), 15=-123(load case 7), 14=-219(load case 7)
Max Grav 2=511(load case 10), 12=511(load case 11), 17=281(load case 1), 19=273(load case 10), 20=175(load case 1), 21=439(load case 10), 16=273(load case 11), 15=175(load case 1), 14=439(load case 11)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-22/99, 2-3=-70/40, 3-4=-103/152, 4-5=-31/90, 5-6=-4/120, 6-7=-13/177, 7-8=-13/177, 8-9=-4/120, 9-10=-31/80, 10-11=-58/152, 11-12=-61/40, 12-13=-22/99
BOT CHORD 2-21=-45/156, 20-21=-45/156, 19-20=-45/156, 18-19=-45/156, 17-18=-45/156, 16-17=-45/156, 15-16=-45/156, 14-15=-45/156, 12-14=-45/156
WEBS 7-17=-262/43, 6-19=-249/179, 5-20=-169/150, 4-21=-390/269, 8-16=-249/179, 9-15=-169/150, 10-14=-390/269

December 4,2007

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 3 MAYFAIR J1914811
L262515	T01G	GABLE	1	1	Job Reference (optional)

JOINT STRESS INDEX

2 = 0.63, 2 = 0.18, 3 = 0.00, 3 = 0.42, 3 = 0.43, 4 = 0.33, 5 = 0.33, 6 = 0.33, 7 = 0.24, 8 = 0.33, 9 = 0.33, 10 = 0.33, 11 = 0.00, 11 = 0.43, 11 = 0.42, 12 = 0.63, 12 = 0.18, 14 = 0.33, 15 = 0.33, 16 = 0.33, 17 = 0.33, 18 = 0.15, 19 = 0.33, 20 = 0.33 and 21 = 0.33

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=14ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) 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 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) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 2-0-0 oc.
8) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 306 lb uplift at joint 2, 324 lb uplift at joint 12, 31 lb uplift at joint 17, 149 lb uplift at joint 19, 124 lb uplift at joint 20, 215 lb uplift at joint 21, 148 lb uplift at joint 16, 123 lb uplift at joint 15 and 219 lb uplift at joint 14.
10) 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: 1-7=-114(F=-60), 7-13=-114(F=-60), 2-12=-10

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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 3 MAYFAIR J1914812
L262515	T02	COMMON	2	1	Job Reference (optional)

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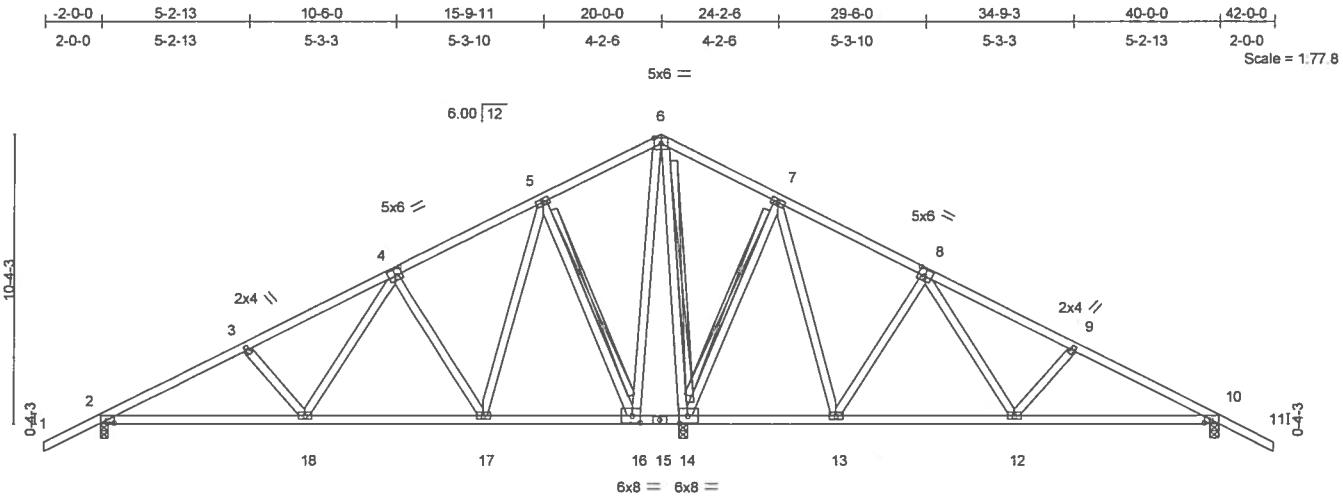

Plate Offsets (X,Y): [2:0-2-12,0-1-8], [4:0-3-0,0-3-0], [8:0-3-0,0-3-0], [10:0-2-12,0-1-8], [14:0-3-8,0-3-0], [16:0-3-8,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.34	Vert(LL)	0.25	17-18	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.49	Vert(TL)	-0.25	17-18	>999	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.90	Horz(TL)	0.02	14	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 255 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 5-8-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing , Except:
9-7-8 oc bracing: 2-18
10-0-0 oc bracing: 17-18.
WEBS T-Brace: 2 X 4 SYP No.3 - 5-16, 6-14, 7-14
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 2=718/0-3-8, 14=1991/0-3-8, 10=448/0-3-8
Max Horz 2=-154(load case 7)
Max Uplift 2=-263(load case 6), 14=-859(load case 6), 10=-373(load case 7)
Max Grav 2=787(load case 10), 14=1991(load case 1), 10=514(load case 11)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-1181/622, 3-4=-1007/594, 4-5=-389/214, 5-6=-210/469, 6-7=-346/660, 7-8=-27/328, 8-9=-386/521, 9-10=-566/558, 10-11=0/47
BOT CHORD 2-18=-387/990, 17-18=-113/573, 16-17=-139/420, 15-16=-434/763, 14-15=-434/763 , 13-14=-334/550, 12-13=-201/128, 10-12=-345/448
WEBS 3-18=-229/219, 4-18=-425/528, 4-17=-553/509, 5-17=-719/805, 5-16=-841/775, 6-16=-508/679, 6-14=-1338/916, 7-14=-566/754, 7-13=-683/429, 8-13=-432/548, 8-12=-521/331, 9-12=-253/261

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December 4,2007

JOINT STRESS INDEX

2 = 0.67, 3 = 0.33, 4 = 0.47, 5 = 0.61, 6 = 0.42, 7 = 0.61, 8 = 0.47, 9 = 0.33, 10 = 0.67, 12 = 0.42, 13 = 0.76, 14 = 0.28, 15 = 0.24, 16 = 0.28, 17 = 0.76 and 18 = 0.42

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=14ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; porch right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All plates are 3x6 MT20 unless otherwise indicated.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 263 lb uplift at joint 2, 859 lb uplift at joint 14 and 373 lb uplift at joint 10.
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: 1-6=-54, 6-11=-54, 2-18=-10, 17-18=-70(F=-60), 10-17=-10

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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 3 MAYFAIR J1914813
L262515	T02G	GABLE	1	1	Job Reference (optional)

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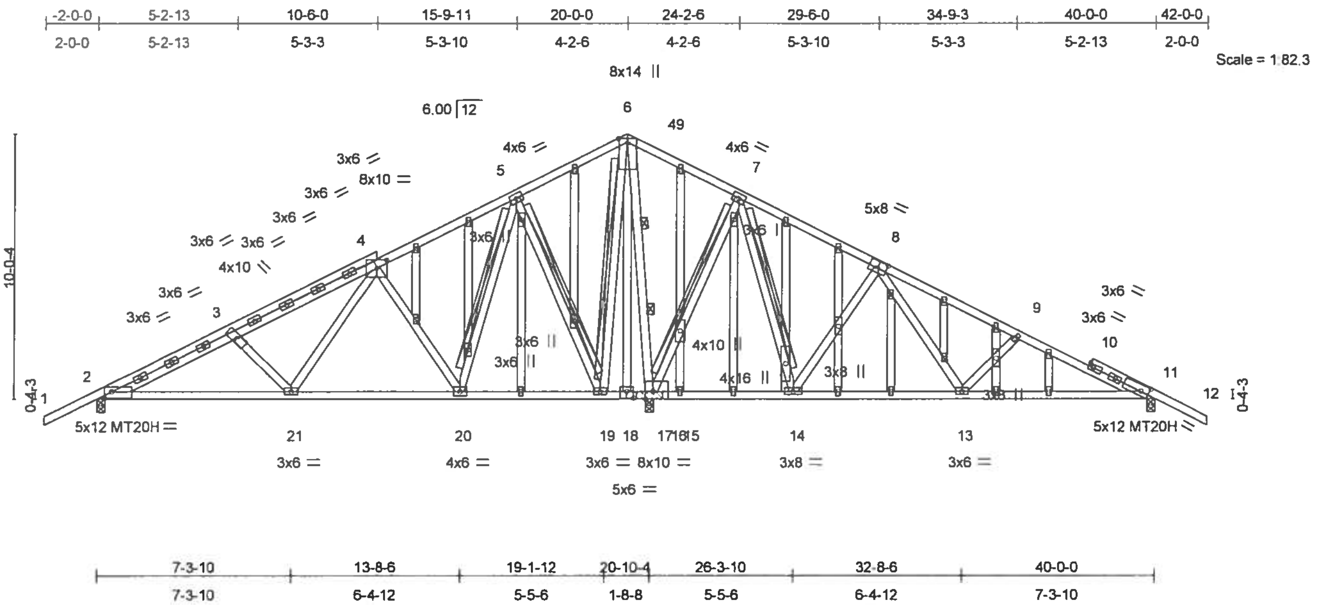

Plate Offsets (X,Y): [2:0-3-4,0-2-12], [4:0-4-12,0-3-12], [8:0-4-0,0-3-0], [11:0-3-12,0-3-0], [16:0-3-8,Edge], [18:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.66	Vert(LL)	0.26	20-21	>948	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.54	Vert(TL)	-0.26	20-21	>954	240	MT20H	187/143
BCLL	10.0	* Rep Stress Incr	NO	WB	0.83	Horz(TL)	0.03	11	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 372 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 5-4-1 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-11-2 oc bracing.
WEBS 2 Rows at 1/3 pts 6-16
T-Brace: 2 X 4 SYP No.3 - 5-20, 5-19, 6-19, 7-16 , 7-14
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 2=792/0-3-8, 16=3556/0-4-3 (0-3-8 + bearing block), 11=986/0-3-8
Max Horz 2=174(load case 6)
Max Uplift 2=-437(load case 6), 16=-2263(load case 6), 11=-840(load case 7)
Max Grav 2=876(load case 10), 16=3556(load case 1), 11=1038(load case 11)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-1406/794, 3-4=-1220/770, 4-5=-599/365, 5-6=-611/787, 6-49=-920/1123, 7-49=-798/919, 7-8=-109/427, 8-9=-850/1060, 9-10=-1157/1331, 10-11=-1259/1388, 11-12=-56/100
BOT CHORD 2-21=-544/1199, 20-21=-260/809, 19-20=-161/428, 18-19=-696/1090, 17-18=-696/1090, 16-17=-696/1090, 15-16=-473/730, 14-15=-473/730, 13-14=-148/313, 11-13=-1079/1048
WEBS 3-21=-192/167, 4-21=-374/490, 4-20=-780/776, 5-20=-955/1008, 5-19=-1386/1422,

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Builders FirstSource

JOINT STRESS INDEX

2 = 0.49, 3 = 0.33, 3 = 0.28, 3 = 0.28, 3 = 0.28, 4 = 0.69, 4 = 0.32, 4 = 0.32, 4 = 0.32, 4 = 0.32, 5 = 0.64, 6 = 0.69, 7 = 0.62, 8 = 0.67, 9 = 0.36, 10 = 0.00, 10 = 0.54, 10 = 0.54, 11 = 0.70, 13 = 0.44, 14 = 0.74, 15 = 0.00, 15 = 0.00, 16 = 0.60, 16 = 0.00, 17 = 0.00, 17 = 0.00, 18 = 0.24, 19 = 0.92, 20 = 0.66, 21 = 0.41, 22 = 0.33, 23 = 0.33, 24 = 0.15, 25 = 0.33, 26 = 0.33, 27 = 0.15, 28 = 0.15, 29 = 0.33, 30 = 0.33, 31 = 0.33, 32 = 0.34, 33 = 0.33, 34 = 0.15, 35 = 0.33, 36 = 0.26, 37 = 0.33, 38 = 0.33, 39 = 0.62, 40 = 0.33, 41 = 0.33, 42 = 0.33, 43 = 0.33, 44 = 0.33, 45 = 0.33, 46 = 0.39, 47 = 0.33 and 48 = 0.33

NOTES

1) 2 X 4 SYP No.2 bearing block 12" long at jt. 16 attached to front face with 2 rows of 10d (0.131"x3") nails spaced 3" o.c. 8 Total fasteners. Bearing is assumed to be SYP.
2) Unbalanced roof live loads have been considered for this design.
3) Wind: ASCE 7-02; 110mph (3-second gust); h=14ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
4) 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"
5) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) All plates are MT20 plates unless otherwise indicated.
7) All plates are 2x4 MT20 unless otherwise indicated.
8) Gable studs spaced at 2-0-0 oc.
9) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 437 lb uplift at joint 2, 2263 lb uplift at joint 16 and 840 lb uplift at joint 11.
11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-4=-54, 4-6=-141(F=-87), 6-49=-141(F=-87), 12-49=-114(F=-60), 2-21=-10, 20-21=-70(F=-60), 11-20=-10

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December 4,2007

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 3 MAYFAIR J1914814
L262515	T03	MONO HIP	1	1	Job Reference (optional)

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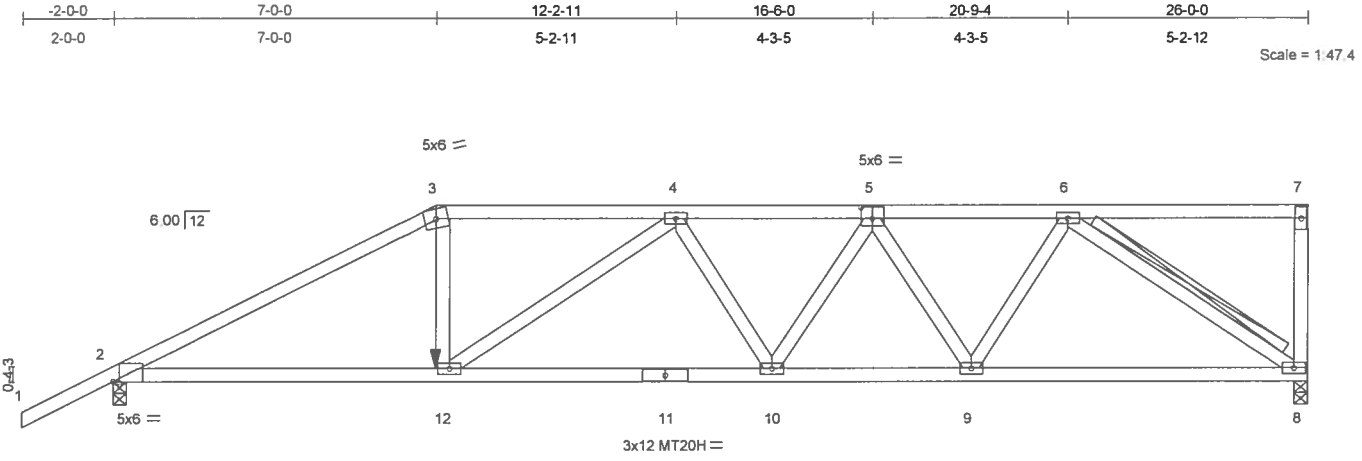

Plate Offsets (X,Y): [2:0-1-11,Edge], [5:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.71	Vert(LL)	-0.17	10-12	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.75	Vert(TL)	-0.41	10-12	>762	240	MT20H	187/143
BCLL	10.0	* Rep Stress Incr	NO	WB	0.66	Horz(TL)	0.12	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 133 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 3-2-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-9-1 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 6-8
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 8=1829/0-3-8, 2=1762/0-3-8
Max Horz 2=163(load case 5)
Max Uplift 8=-631(load case 4), 2=-563(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-3239/1043, 3-4=-2846/970, 4-5=-3315/1124, 5-6=-2671/899, 6-7=-86/16, 7-8=-291/145
BOT CHORD 2-12=-959/2806, 11-12=-1205/3415, 10-11=-1205/3415, 9-10=-1083/3134, 8-9=-770/2156
WEBS 3-12=-276/937, 4-12=-696/343, 4-10=-196/160, 5-10=-77/348, 5-9=-889/353, 6-9=-254/1010, 6-8=-2526/921

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JOINT STRESS INDEX
2 = 0.79, 3 = 0.82, 4 = 0.42, 5 = 0.46, 6 = 0.76, 7 = 0.53, 8 = 0.78, 9 = 0.76, 10 = 0.42, 11 = 0.79 and 12 = 0.59

December 4,2007

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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 3 MAYFAIR J1914814
L262515	T03	MONO HIP	1	1	Job Reference (optional)

NOTES

1) Wind: ASCE 7-02; 110mph (3-second gust); h=14ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS; Lumber DOL=1.60 plate grip DOL=1.60.
2) Provide adequate drainage to prevent water ponding.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All plates are MT20 plates unless otherwise indicated.
5) All plates are 3x6 MT20 unless otherwise indicated.
6) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 631 lb uplift at joint 8 and 563 lb uplift at joint 2.
8) Girder carries hip end with 0-0-0 right side setback, 7-0-0 left side setback, and 7-0-0 end setback.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-3=-54, 3-7=-118(F=-64), 2-12=-10, 8-12=-22(F=-12)
   Concentrated Loads (lb)
   Vert: 12=-411(F)

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December 4,2007

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 3 MAYFAIR J1914815
L262515	T04	MONO HIP	1	1	Job Reference (optional)

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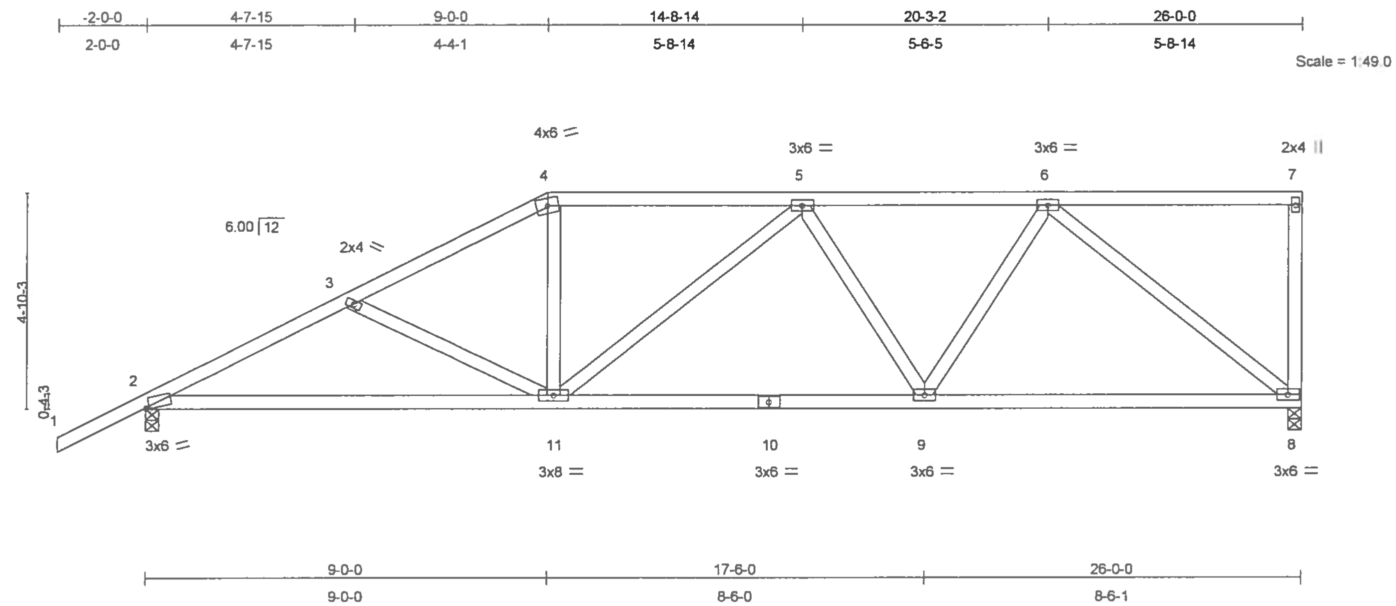

Plate Offsets (X,Y): [2:0-1-1,0-0-7]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.44	Vert(LL)	-0.13	2-11	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.41	Vert(TL)	-0.24	2-11	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.93	Horz(TL)	0.05	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 138 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 5-1-5 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-11-13 oc bracing.

REACTIONS (lb/size) 8=818/0-3-8, 2=943/0-3-8
Max Horz 2=195(load case 6)
Max Uplift 8=-222(load case 5), 2=-244(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-1482/733, 3-4=-1244/628, 4-5=-1077/619, 5-6=-1007/537, 6-7=-37/9, 7-8=-141/98
BOT CHORD 2-11=-801/1262, 10-11=-650/1153, 9-10=-650/1153, 8-9=-455/811
WEBS 3-11=-215/205, 4-11=-55/314, 5-11=-98/102, 5-9=-282/218, 6-9=-157/387, 6-8=-1004/576

JOINT STRESS INDEX
2 = 0.85, 3 = 0.33, 4 = 0.58, 5 = 0.42, 6 = 0.42, 7 = 0.88, 8 = 0.55, 9 = 0.42, 10 = 0.43 and 11 = 0.56

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=14ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Provide adequate drainage to prevent water ponding.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

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December 4,2007

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 3 MAYFAIR J1914815
L262515	T04	MONO HIP	1	1	Job Reference (optional)

NOTES

4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 222 lb uplift at joint 8 and 244 lb uplift at joint 2.

LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida PE No. 34927
1106 Coastal Bay Blvd
Ocean Beach, FL 32456

December 4,2007

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 3 MAYFAIR J1914816
L262515	T05	MONO HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Tue Dec 04 09:26:11 2007 Page 1

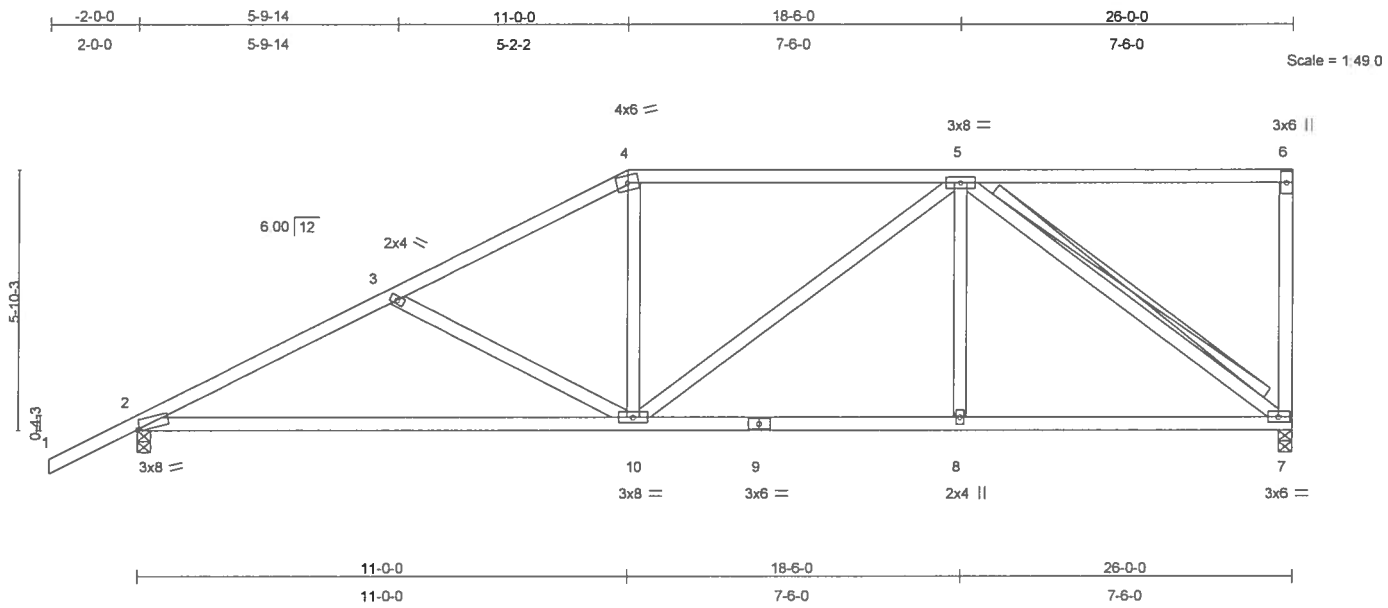


Plate Offsets (X,Y): [2:0-0-10,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.52	Vert(LL)	-0.30	2-10	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.59	Vert(TL)	-0.54	2-10	>568	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.48	Horz(TL)	0.04	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 141 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-0-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-10-14 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 5-7
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 7=818/0-3-8, 2=943/0-3-8
Max Horz 2=227(load case 6)
Max Uplift 7=-220(load case 5), 2=-253(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-1443/714, 3-4=-1135/572, 4-5=-966/575, 5-6=-37/18, 6-7=-179/128
BOT CHORD 2-10=-823/1223, 9-10=-471/827, 8-9=-471/827, 7-8=-471/827
WEBS 3-10=-294/280, 4-10=0/264, 5-10=-131/174, 5-8=0/201, 5-7=-990/567

JOINT STRESS INDEX
2 = 0.87, 3 = 0.33, 4 = 0.79, 5 = 0.56, 6 = 0.39, 7 = 0.45, 8 = 0.33, 9 = 0.26 and 10 = 0.56

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1100 Crandall Bay Blvd
Jacksonville Beach, FL 32250

December 4,2007

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 3 MAYFAIR J1914816
L262515	T05	MONO HIP	1	1	Job Reference (optional)

NOTES

1) Wind: ASCE 7-02; 110mph (3-second gust); h=14ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Provide adequate drainage to prevent water ponding.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 220 lb uplift at joint 7 and 253 lb uplift at joint 2.

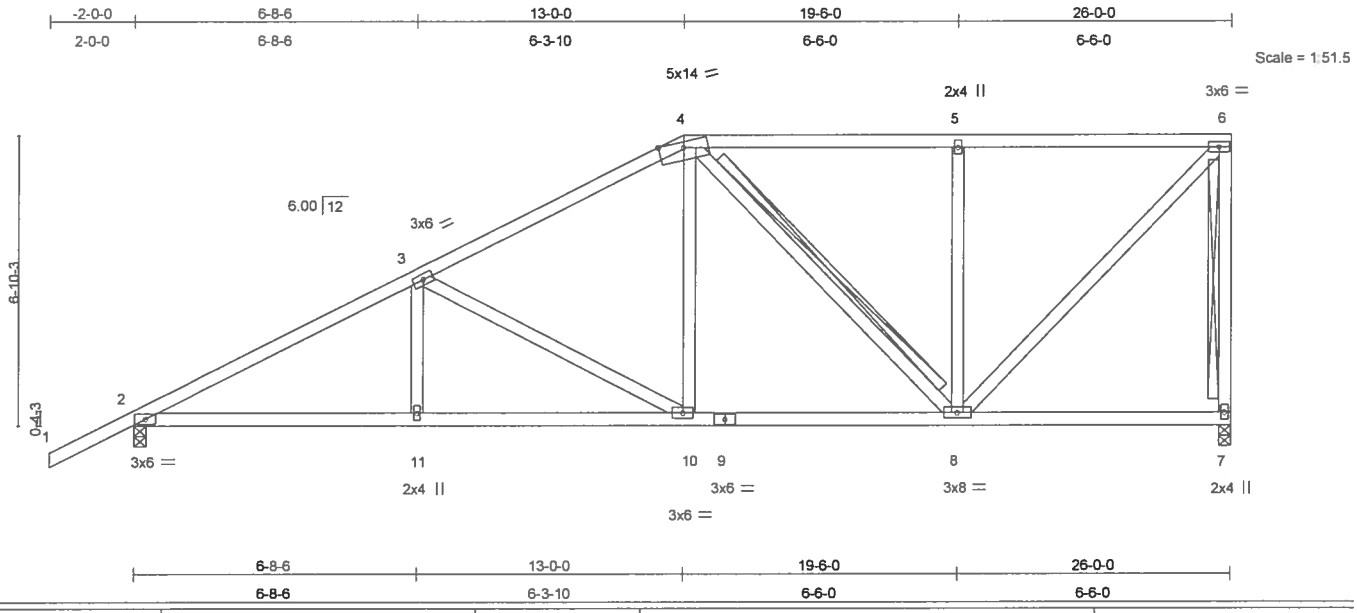
LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida PE No 34164
1100 Cornell Bay Blvd
Daytona Beach, FL 32119

December 4,2007

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 3 MAYFAIR J1914817
L262515	T06	MONO HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Tue Dec 04 09:26:11 2007 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.44	Vert(LL)	0.07	10-11	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.30	Vert(TL)	-0.11	2-11	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.74	Horz(TL)	0.04	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 152 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 4-11-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-11-14 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 6-7, 4-8
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 7=818/0-3-8, 2=943/0-3-8
Max Horz 2=259(load case 6)
Max Uplift 7=-217(load case 5), 2=-258(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-1456/657, 3-4=-1000/510, 4-5=-631/369, 5-6=-631/370, 6-7=-783/480
BOT CHORD 2-11=-819/1223, 10-11=-819/1223, 9-10=-527/831, 8-9=-527/831, 7-8=-12/22
WEBS 3-11=0/209, 3-10=-450/333, 4-10=-122/339, 4-8=-284/223, 5-8=-368/259, 6-8=-514/875

JOINT STRESS INDEX
2 = 0.64, 3 = 0.39, 4 = 0.86, 5 = 0.33, 6 = 0.62, 7 = 0.60, 8 = 0.84, 9 = 0.28, 10 = 0.34 and 11 = 0.83

Julius Lee
Florida PE No. 34869
1106 Coastal Ray Run
Jupiter Beach, FL 33458

December 4,2007

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 3 MAYFAIR J1914817
L262515	T06	MONO HIP	1	1	Job Reference (optional)

NOTES

1) Wind: ASCE 7-02; 110mph (3-second gust); h=14ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Provide adequate drainage to prevent water ponding.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 217 lb uplift at joint 7 and 258 lb uplift at joint 2.

LOAD CASE(S) Standard

[illegible]

December 4,2007

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 3 MAYFAIR J1914818
L262515	T07	SPECIAL	2	1	Job Reference (optional)

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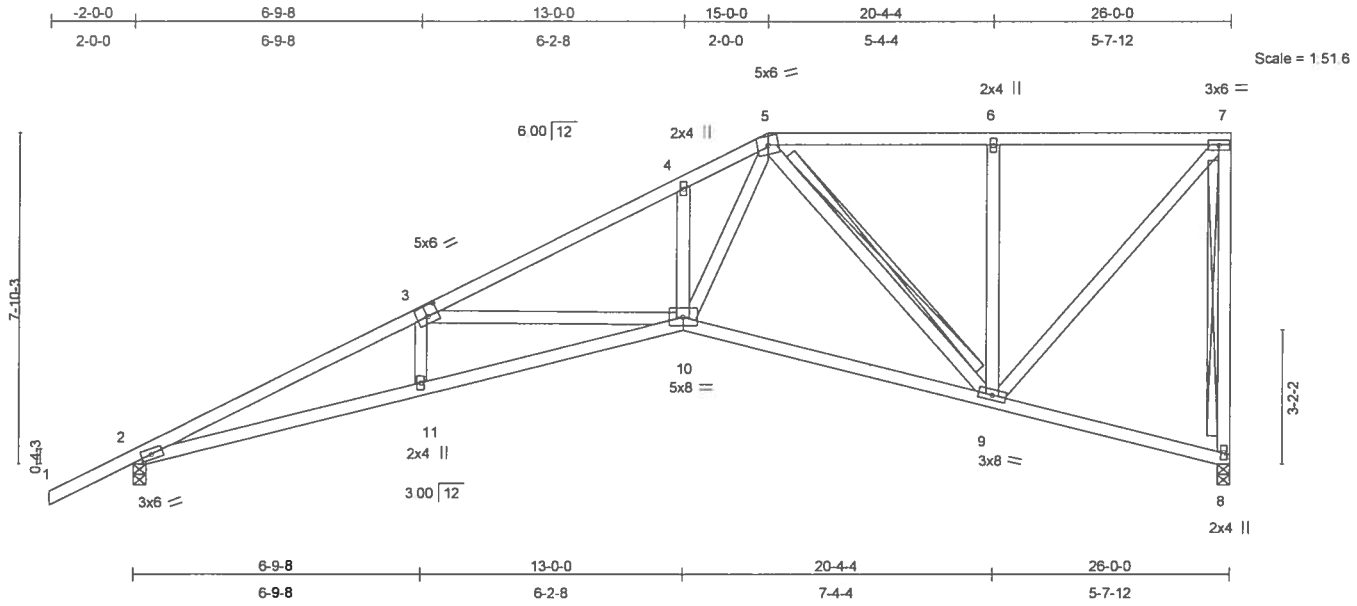

Plate Offsets (X,Y): [2:0-2-12,0-1-8], [3:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.42	Vert(LL)	0.26	10-11	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.52	Vert(TL)	-0.35	10-11	>880	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.64	Horz(TL)	0.22	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 150 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-6-13 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 4-10-9 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 7-8, 5-9
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 8=818/0-3-8, 2=943/0-3-8
Max Horz 2=290(load case 6)
Max Uplift 8=-214(load case 5), 2=-260(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/46, 2-3=-2661/1478, 3-4=-1867/1072, 4-5=-1822/1195, 5-6=-600/365, 6-7=-600/365, 7-8=-794/497
BOT CHORD 2-11=-1647/2365, 10-11=-1650/2367, 9-10=-727/1103, 8-9=-8/32
WEBS 3-11=0/191, 3-10=-689/520, 4-10=-234/258, 5-10=-901/1291, 5-9=-707/513, 6-9=-326/237, 7-9=-541/886

JOINT STRESS INDEX
2 = 0.80, 3 = 0.63, 4 = 0.33, 5 = 0.65, 6 = 0.33, 7 = 0.58, 8 = 0.42, 9 = 0.90, 10 = 0.72 and 11 = 0.33

Julius Lee
Truss Design Engineer
Florida PE No. 34927
1100 Coastal Key Blvd
Venice, FL 34285

December 4,2007

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 3 MAYFAIR J1914818
L262515	T07	SPECIAL	2	1	Job Reference (optional)

NOTES

1) Wind: ASCE 7-02; 110mph (3-second gust); h=14ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Provide adequate drainage to prevent water ponding.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Bearing at joint(s) 8, 2 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 214 lb uplift at joint 8 and 260 lb uplift at joint 2.

LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1102 Commerce Parkway North
Deerfield Beach, FL 33442

December 4,2007

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 3 MAYFAIR J1914819
L262515	T08	SPECIAL	2	1	Job Reference (optional)

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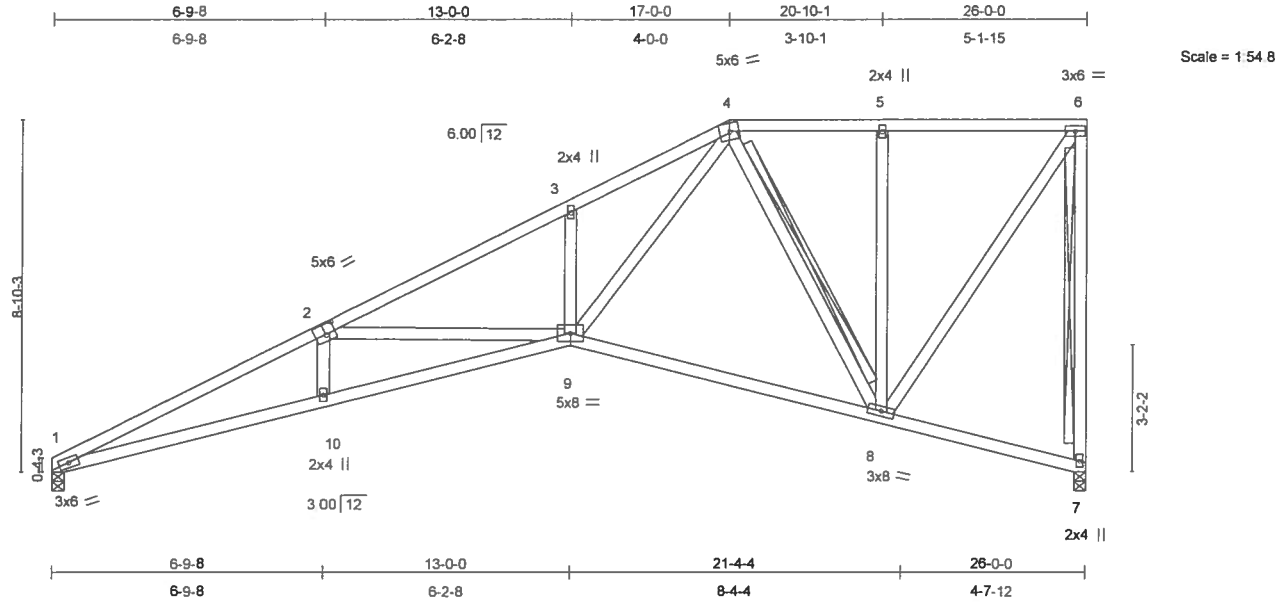

Plate Offsets (X,Y): [2:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.51	Vert(LL)	0.27	9-10	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.60	Vert(TL)	-0.36	9-10	>858	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.82	Horz(TL)	0.23	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 154 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-5-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 4-6-2 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 6-7, 4-8
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 7=823/0-3-8, 1=823/0-3-8
Max Horz 1=276(load case 6)
Max Uplift 7=-211(load case 5), 1=-163(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-2731/1593, 2-3=-1890/1102, 3-4=-1867/1248, 4-5=-473/303, 5-6=-473/303, 6-7=-803/523
BOT CHORD 1-10=-1816/2437, 9-10=-1813/2436, 8-9=-545/785, 7-8=-8/28
WEBS 2-10=0/192, 2-9=-736/603, 3-9=-284/293, 4-9=-1051/1451, 4-8=-601/476, 5-8=-265/189, 6-8=-527/823

JOINT STRESS INDEX
1 = 0.80, 2 = 0.70, 3 = 0.33, 4 = 0.71, 5 = 0.33, 6 = 0.61, 7 = 0.37, 8 = 0.90, 9 = 0.76 and 10 = 0.33

Julius Lee
Truss Design Engineer
Florida PE No. 34927
105 Coastal Bay Blvd
Ponte Vedra, FL 32082

December 4,2007

Continued on page 2

NOTES

1) Wind: ASCE 7-02; 110mph (3-second gust); h=14ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Provide adequate drainage to prevent water ponding.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Bearing at joint(s) 7, 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 211 lb uplift at joint 7 and 163 lb uplift at joint 1.

LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida PE No 34869
1109 Coastal Bay Blvd
Boynton Beach, FL 33435

December 4,2007

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 3 MAYFAIR J1914820
L262515	T09	SPECIAL	2	1	Job Reference (optional)

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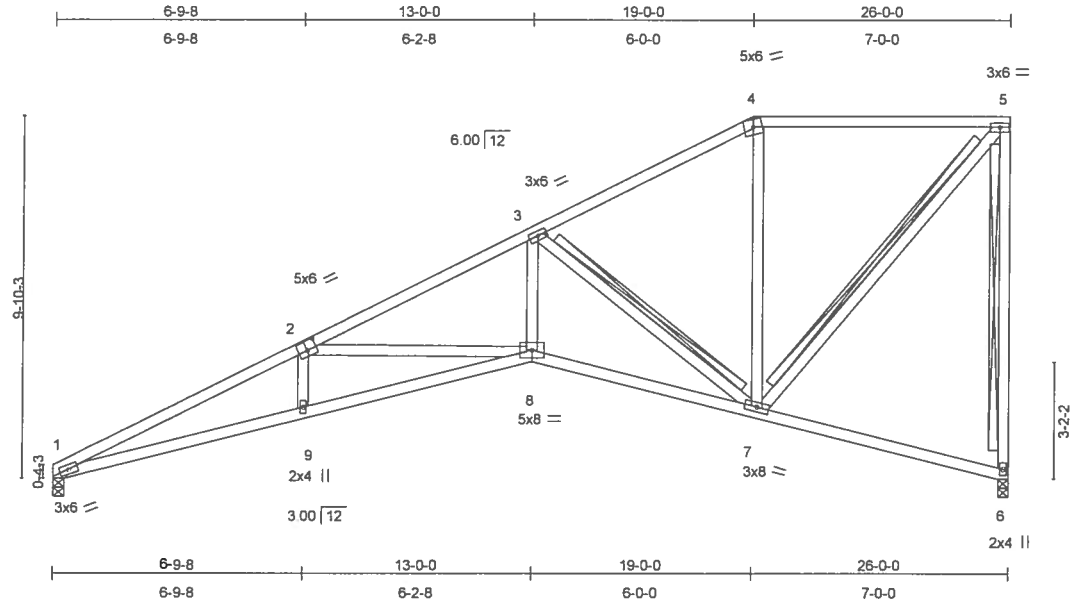

Plate Offsets (X,Y): [2:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.85	Vert(LL)	0.28	8-9	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.60	Vert(TL)	-0.38	8-9	>821	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.50	Horz(TL)	0.24	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 149 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-5-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 4-5-8 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 5-6, 3-7, 5-7
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 6=823/0-3-8, 1=823/0-3-8
Max Horz 1=308(load case 6)
Max Uplift 6=-215(load case 6), 1=-159(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-2728/1571, 2-3=-1888/1098, 3-4=-678/351, 4-5=-545/381, 5-6=-791/554
BOT CHORD 1-9=-1847/2434, 8-9=-1845/2427, 7-8=-1243/1676, 6-7=-12/37
WEBS 2-9=0/207, 2-8=-729/584, 3-8=-736/1082, 3-7=-1371/1046, 4-7=-106/132, 5-7=-578/819

JOINT STRESS INDEX
1 = 0.80, 2 = 0.67, 3 = 0.78, 4 = 0.59, 5 = 0.61, 6 = 0.57, 7 = 0.84, 8 = 0.74 and 9 = 0.33

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1106 Coastal Bay Run
Destin, Florida 32541

December 4,2007

Continued on page 2

NOTES

1) Wind: ASCE 7-02; 110mph (3-second gust); h=14ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Provide adequate drainage to prevent water ponding.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Bearing at joint(s) 6, 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 215 lb uplift at joint 6 and 159 lb uplift at joint 1.

LOAD CASE(S) Standard

December 4,2007

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 3 MAYFAIR J1914821
L262515	T10	SPECIAL	1	1	Job Reference (optional)

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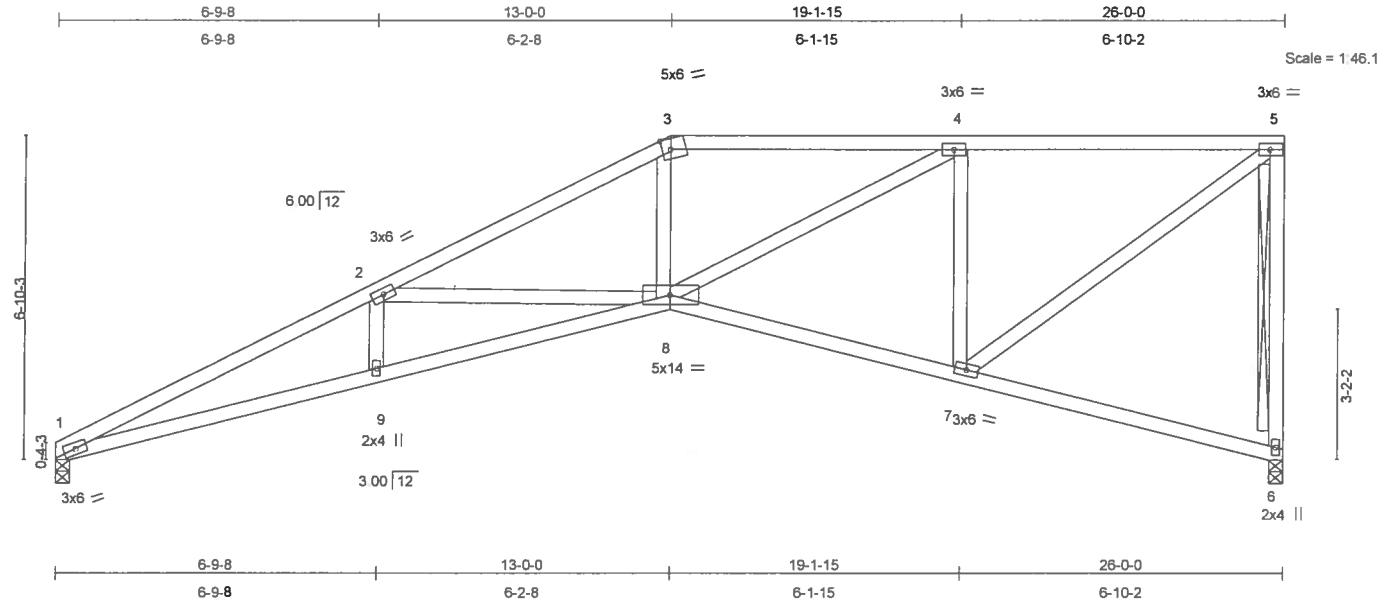

Plate Offsets (X,Y): [3:0-2-3,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.51	Vert(LL)	0.26	8-9	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.60	Vert(TL)	-0.36	8-9	>866	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.75	Horz(TL)	0.22	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 135 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-5-5 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 4-7-15 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 5-6
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 1=823/0-3-8, 6=823/0-3-8
Max Horz 1=211(load case 6)
Max Uplift 1=-162(load case 6), 6=-218(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-2727/1584, 2-3=-1892/1100, 3-4=-1623/1049, 4-5=-877/523, 5-6=-792/493
BOT CHORD 1-9=-1702/2432, 8-9=-1700/2430, 7-8=-544/911, 6-7=-16/44
WEBS 2-9=0/204, 2-8=-728/596, 3-8=-244/489, 4-8=-599/851, 4-7=-777/548, 5-7=-632/1057

JOINT STRESS INDEX
1 = 0.80, 2 = 0.39, 3 = 0.55, 4 = 0.48, 5 = 0.70, 6 = 0.67, 7 = 0.65, 8 = 0.68 and 9 = 0.33

John Lee
Truss Design Engineer
Florida PE No. 34927
109 Comet Bay Blvd
Lake City, FL 32025

December 4,2007

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 3 MAYFAIR J1914821
L262515	T10	SPECIAL	1	1	Job Reference (optional)

NOTES

1) Wind: ASCE 7-02; 110mph (3-second gust); h=14ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Provide adequate drainage to prevent water ponding.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Bearing at joint(s) 1, 6 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 162 lb uplift at joint 1 and 218 lb uplift at joint 6.

LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1109 Channel Bay Blvd
Cedar Keys, FL 32625

December 4,2007

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 3 MAYFAIR J1914822
L262515	T11	HIP	1	1	Job Reference (optional)

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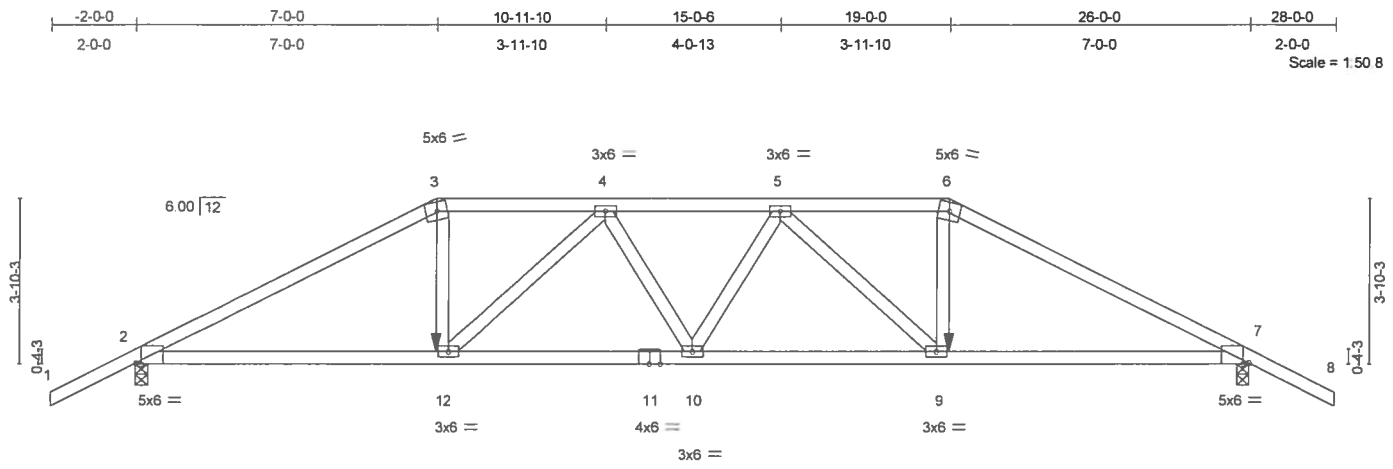

Plate Offsets (X,Y): [2:0-1-11,Edge], [7:0-1-11,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.49	Vert(LL)	-0.19	10	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.71	Vert(TL)	-0.37	10-12	>829	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.42	Horz(TL)	0.14	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 123 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 3-1-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-12 oc bracing.

REACTIONS (lb/size) 2=1799/0-3-8, 7=1799/0-3-8
Max Horz 2=77(load case 5)
Max Uplift 2=-585(load case 5), 7=-585(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-3302/1037, 3-4=-2903/964, 4-5=-3491/1133, 5-6=-2903/964, 6-7=-3302/1037, 7-8=0/47
BOT CHORD 2-12=-887/2860, 11-12=-1098/3455, 10-11=-1098/3455, 9-10=-1083/3455, 7-9=-854/2860
WEBS 3-12=-334/1094, 4-12=-859/351, 4-10=0/135, 5-10=0/135, 5-9=-859/351, 6-9=-334/1094

JOINT STRESS INDEX
2 = 0.80, 3 = 0.71, 4 = 0.42, 5 = 0.42, 6 = 0.71, 7 = 0.80, 9 = 0.69, 10 = 0.42, 11 = 0.94 and 12 = 0.69

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=14ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS; Lumber DOL=1.60 plate grip DOL=1.60.
3) Provide adequate drainage to prevent water ponding.

Julius Lee Truss Design Engineer Florida PE No. 34931 1100 Crandall Bay Blvd Jacksonville Beach, FL 32250

December 4,2007

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 3 MAYFAIR J1914822
L262515	T11	HIP	1	1	Job Reference (optional)

NOTES

4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 585 lb uplift at joint 2 and 585 lb uplift at joint 7.
7) Girder carries hip end with 7-0-0 end setback.
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

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-3=-54, 3-6=-118(F=-64), 6-8=-54, 2-12=-10, 9-12=-22(F=-12), 7-9=-10
   Concentrated Loads (lb)
   Vert: 12=-411(F) 9=-411(F)

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1106 Coastal Bay Blvd
Ocean Beach, FL 32435

December 4,2007

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 3 MAYFAIR J1914823
L262515	T12	HIP	1	1	Job Reference (optional)

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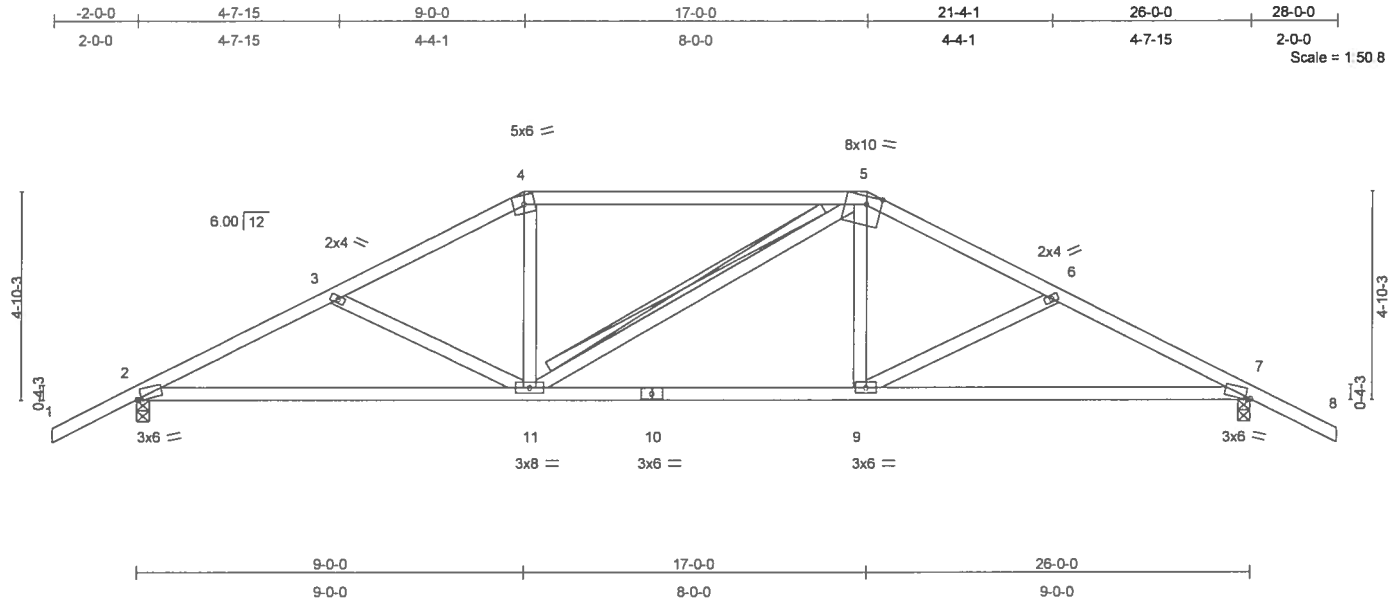

Plate Offsets (X,Y): [2:0-1-5,0-0-7], [5:0-4-3,Edge], [7:0-1-5,0-0-7]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.45	Vert(LL)	-0.14	7-9	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.39	Vert(TL)	-0.27	7-9	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.09	Horz(TL)	0.05	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 128 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-0-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-7-11 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 5-11
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 2=939/0-3-8, 7=939/0-3-8
Max Horz 2=89(load case 6)
Max Uplift 2=-252(load case 6), 7=-252(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-1459/767, 3-4=-1246/677, 4-5=-1088/669, 5-6=-1246/678, 6-7=-1459/767, 7-8=0/47
BOT CHORD 2-11=-520/1239, 10-11=-360/1088, 9-10=-360/1088, 7-9=-520/1240
WEBS 3-11=-175/179, 4-11=-23/290, 5-11=-122/122, 5-9=-23/290, 6-9=-175/178

JOINT STRESS INDEX
2 = 0.81, 3 = 0.33, 4 = 0.67, 5 = 0.66, 6 = 0.33, 7 = 0.81, 9 = 0.34, 10 = 0.38 and 11 = 0.56

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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 3 MAYFAIR J1914823
L262515	T12	HIP	1	1	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=14ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 252 lb uplift at joint 2 and 252 lb uplift at joint 7.

LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida PE No 34863
1100 Cassia Bay Blvd
Davenport, FL 33896

December 4,2007

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 3 MAYFAIR J1914824
L262515	T13	HIP	1	1	Job Reference (optional)

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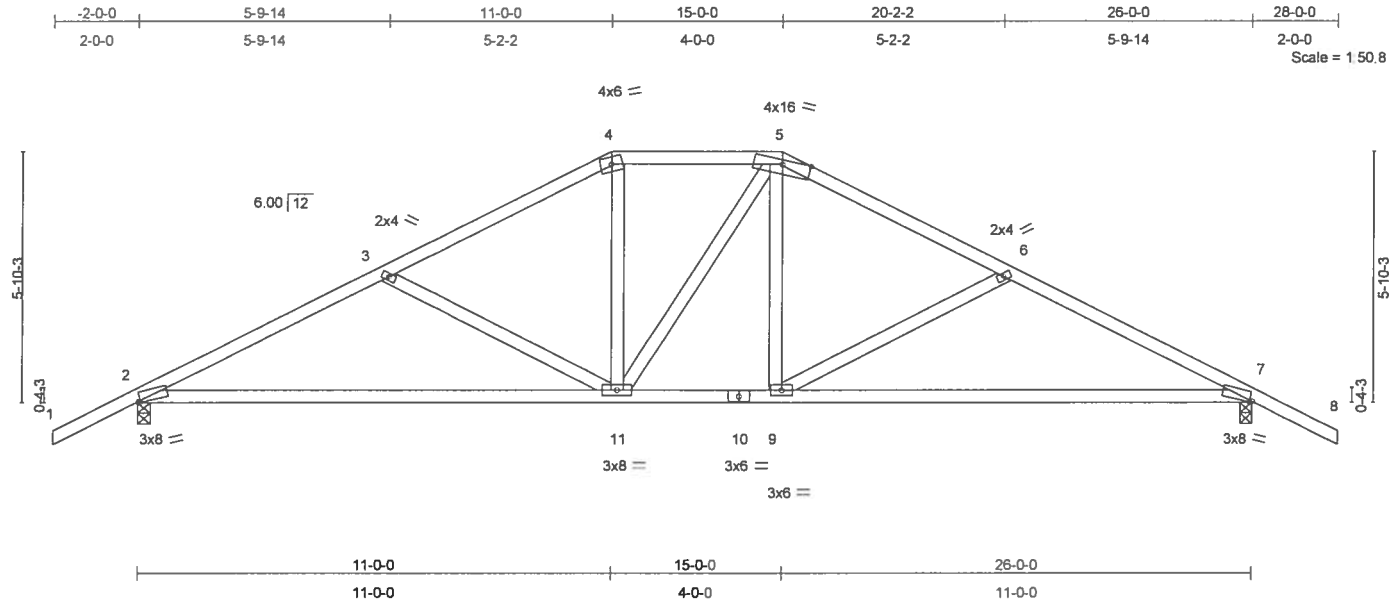

Plate Offsets (X,Y): [2:0-0-10,Edge], [7:0-0-10,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.35	Vert(LL)	-0.32	7-9	>968	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.56	Vert(TL)	-0.58	7-9	>531	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.22	Horz(TL)	0.05	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 131 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-0-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-6-15 oc bracing.

REACTIONS (lb/size) 2=939/0-3-8, 7=939/0-3-8
Max Horz 2=101(load case 6)
Max Uplift 2=-264(load case 6), 7=-264(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-1438/787, 3-4=-1113/634, 4-5=-939/627, 5-6=-1112/634, 6-7=-1438/787, 7-8=0/47
BOT CHORD 2-11=-530/1221, 10-11=-266/938, 9-10=-266/938, 7-9=-530/1221
WEBS 3-11=-326/300, 4-11=-92/285, 5-11=-126/128, 5-9=-92/285, 6-9=-327/300

JOINT STRESS INDEX
2 = 0.91, 3 = 0.33, 4 = 0.50, 5 = 0.65, 6 = 0.33, 7 = 0.91, 9 = 0.34, 10 = 0.70 and 11 = 0.57

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=14ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1109 Coastal Bay Blvd
Ocean Isle Beach, NC 28469

December 4,2007

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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 3 MAYFAIR J1914824
L262515	T13	HIP	1	1	Job Reference (optional)

NOTES

5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 264 lb uplift at joint 2 and 264 lb uplift at joint 7.

LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida PE No. [illegible]
[illegible] Coastal Bay Blvd
Boynton Beach, FL [illegible]

December 4,2007

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 3 MAYFAIR J1914825
L262515	T14	COMMON	3	1	Job Reference (optional)

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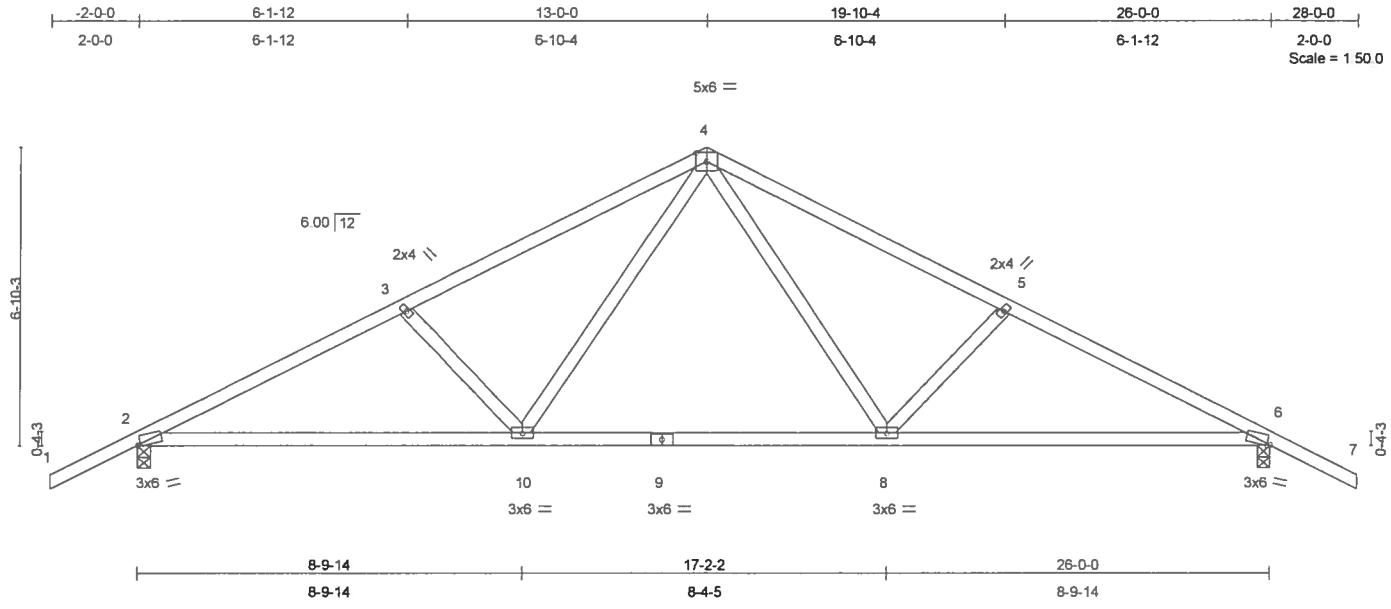

Plate Offsets (X,Y): [2:0-0-13,Edge], [6:0-0-13,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.35	Vert(LL)	-0.12	2-10	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.40	Vert(TL)	-0.24	2-10	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.21	Horz(TL)	0.05	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 123 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-0-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-6-10 oc bracing.

REACTIONS (lb/size) 2=939/0-3-8, 6=939/0-3-8
Max Horz 2=113(load case 6)
Max Uplift 2=-274(load case 6), 6=-274(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-1453/793, 3-4=-1226/739, 4-5=-1226/739, 5-6=-1453/793, 6-7=0/47
BOT CHORD 2-10=-536/1231, 9-10=-224/821, 8-9=-224/821, 6-8=-536/1231
WEBS 3-10=-333/303, 4-10=-199/397, 4-8=-199/397, 5-8=-333/303

JOINT STRESS INDEX
2 = 0.73, 3 = 0.33, 4 = 0.68, 5 = 0.33, 6 = 0.73, 8 = 0.41, 9 = 0.31 and 10 = 0.41

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=14ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi

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Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 3 MAYFAIR J1914825
L262515	T14	COMMON	3	1	Job Reference (optional)

NOTES

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 274 lb uplift at joint 2 and 274 lb uplift at joint 6.

LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1106 Coastal Bay Blvd
Ocean Isle Beach, NC 28469

December 4,2007

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 3 MAYFAIR
L262515	T15	SCISSOR	3	1	J1914826 Job Reference (optional)

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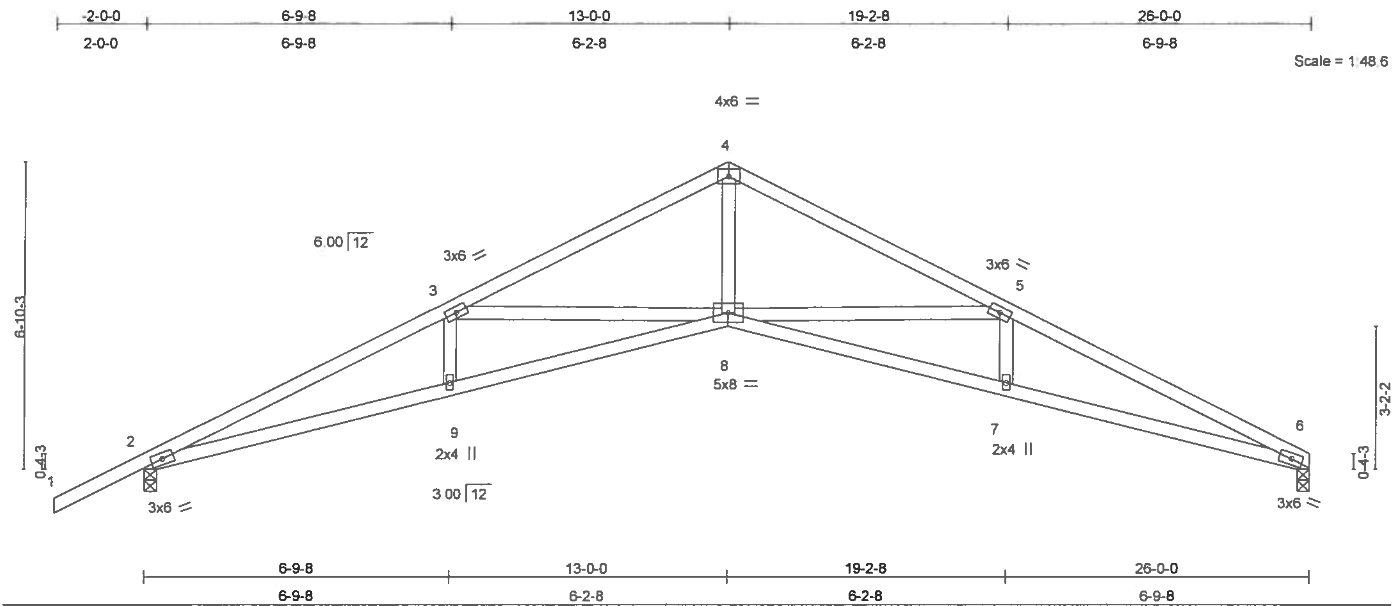

LOADING (psf)		**SPACING**	2-0-0	**CSI**		**DEFL**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	20.0	Plates Increase	1.25	TC	0.39	Vert(LL)	0.28	8-9	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.60	Vert(TL)	-0.46	8-9	>671	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.53	Horz(TL)	0.33	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 114 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-5-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-6-1 oc bracing.

REACTIONS (lb/size) 2=943/0-3-8, 6=818/0-3-8
Max Horz 2=125(load case 6)
Max Uplift 2=-275(load case 6), 6=-179(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/46, 2-3=-2652/1349, 3-4=-1883/955, 4-5=-1884/957, 5-6=-2703/1432
BOT CHORD 2-9=-1130/2356, 8-9=-1133/2357, 7-8=-1215/2408, 6-7=-1218/2410
WEBS 3-9=0/198, 3-8=-716/505, 4-8=-581/1278, 5-8=-768/586, 5-7=0/201

JOINT STRESS INDEX
2 = 0.81, 3 = 0.39, 4 = 0.71, 5 = 0.39, 6 = 0.81, 7 = 0.33, 8 = 0.73 and 9 = 0.33

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=14ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Bearing at joint(s) 2, 6 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.

Continued on page 2

December 4,2007

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 3 MAYFAIR J1914826
L262515	T15	SCISSOR	3	1	Job Reference (optional)

NOTES

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 275 lb uplift at joint 2 and 179 lb uplift at joint 6.

LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida PE No 34810
1100 Crandall Parkway
Boynton Beach, FL 33435

December 4,2007

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 3 MAYFAIR J1914827
L262515	T16	SCISSOR	3	1	Job Reference (optional)

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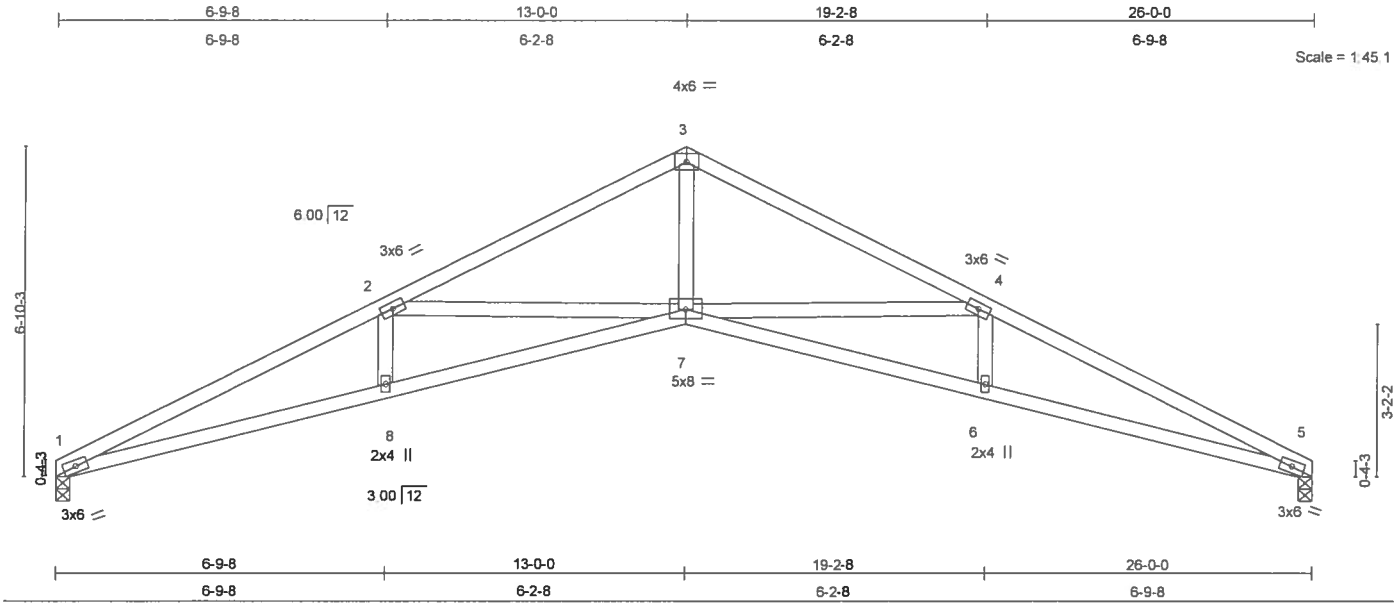

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.38	Vert(LL)	0.29	7	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.60	Vert(TL)	-0.46	7-8	>668	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.53	Horz(TL)	0.34	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 111 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-5-5 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-5-4 oc bracing.

REACTIONS (lb/size) 1=823/0-3-8, 5=823/0-3-8
Max Horz 1=-84(load case 4)
Max Uplift 1=-180(load case 6), 5=-180(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-2724/1466, 2-3=-1902/987, 3-4=-1902/987, 4-5=-2724/1466
BOT CHORD 1-8=-1249/2429, 7-8=-1246/2427, 6-7=-1246/2427, 5-6=-1249/2429
WEBS 2-8=0/202, 2-7=-768/589, 3-7=-613/1298, 4-7=-768/589, 4-6=0/202

JOINT STRESS INDEX
1 = 0.80, 2 = 0.39, 3 = 0.69, 4 = 0.39, 5 = 0.80, 6 = 0.33, 7 = 0.74 and 8 = 0.33

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=14ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Bearing at joint(s) 1, 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.

Julius Lee
True Design Engineer
Florida PE No. 34927
1106 Coastal Bay Blvd
Ocean Ridge, FL 33435

December 4,2007

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 3 MAYFAIR J1914827
L262515	T16	SCISSOR	3	1	Job Reference (optional)

NOTES

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 180 lb uplift at joint 1 and 180 lb uplift at joint 5.

LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida PE No. 34791
109 Coastal Bay Blvd
Leyden Green, FL 32425

December 4,2007

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 3 MAYFAIR J1914828
L262515	T17	HIP	1	1	Job Reference (optional)

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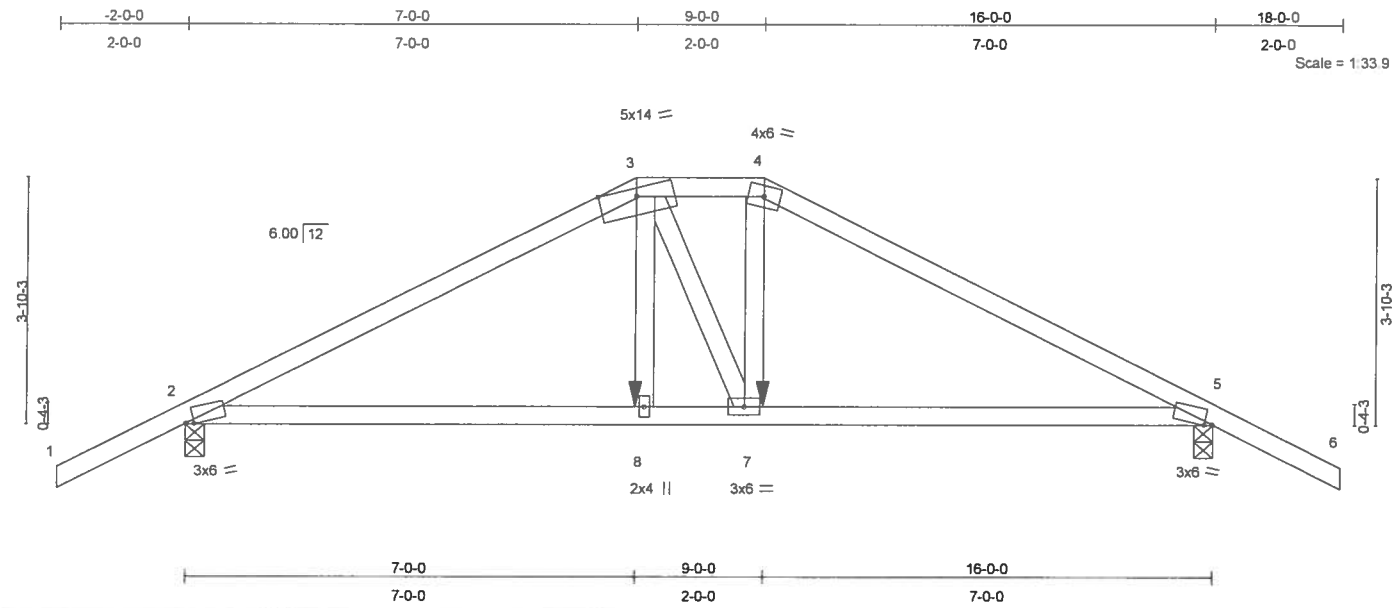

Plate Offsets (X,Y): [2:0-1-9,0-0-7], [5:0-1-9,0-0-7]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.40	Vert(LL)	0.12	2-8	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.42	Vert(TL)	-0.14	2-8	>999	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.19	Horz(TL)	0.04	5	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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-4-10 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-5-5 oc bracing.

REACTIONS (lb/size) 2=1103/0-3-8, 5=1103/0-3-8
Max Horz 2=-77(load case 6)
Max Uplift 2=-595(load case 5), 5=-595(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-1778/804, 3-4=-1526/770, 4-5=-1781/806, 5-6=0/47
BOT CHORD 2-8=-675/1504, 7-8=-684/1523, 5-7=-658/1507
WEBS 3-8=-262/480, 3-7=-146/159, 4-7=-303/592

JOINT STRESS INDEX
2 = 0.77, 3 = 0.87, 4 = 0.76, 5 = 0.77, 7 = 0.38 and 8 = 0.34

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=14ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi

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December 4,2007

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 3 MAYFAIR J1914828
L262515	T17	HIP	1	1	Job Reference (optional)

NOTES

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 595 lb uplift at joint 2 and 595 lb uplift at joint 5.
7) Girder carries hip end with 7-0-0 end setback.
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

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-3=-54, 3-4=-118(F=-64), 4-6=-54, 2-8=-10, 7-8=-22(F=-12), 5-7=-10
   Concentrated Loads (lb)
   Vert: 8=-411(F) 7=-411(F)

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December 4,2007

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 3 MAYFAIR J1914829
L262515	T18	COMMON	3	1	Job Reference (optional)

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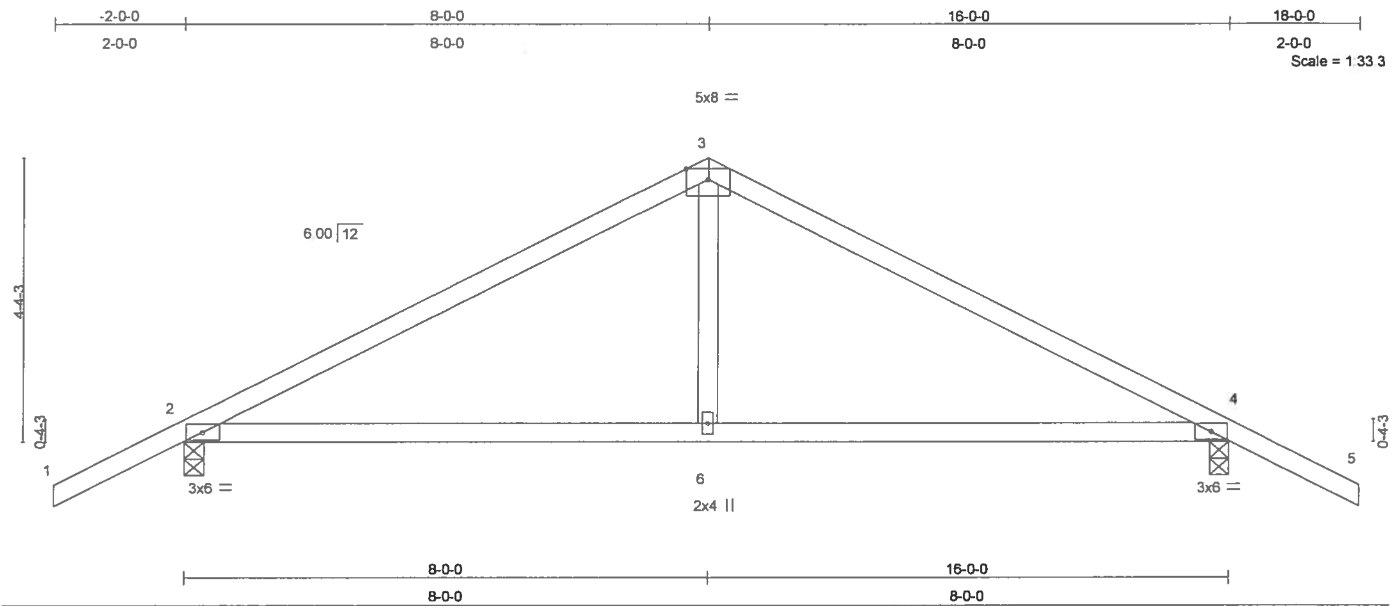

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.51	Vert(LL)	0.24	2-6	>779	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.38	Vert(TL)	-0.14	2-6	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.14	Horz(TL)	-0.02	4	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 63 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 7-1-0 oc bracing.

REACTIONS (lb/size) 2=619/0-3-8, 4=619/0-3-8
Max Horz 2=83(load case 6)
Max Uplift 2=-404(load case 6), 4=-404(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-720/981, 3-4=-720/981, 4-5=0/47
BOT CHORD 2-6=-689/562, 4-6=-689/562
WEBS 3-6=-489/273

JOINT STRESS INDEX
2 = 0.69, 3 = 0.93, 4 = 0.69 and 6 = 0.19

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=14ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi

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