Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / LOT 138 THE PRESERVES J1916291
L262253	T29	COMMON	3	1	Job Reference (optional)

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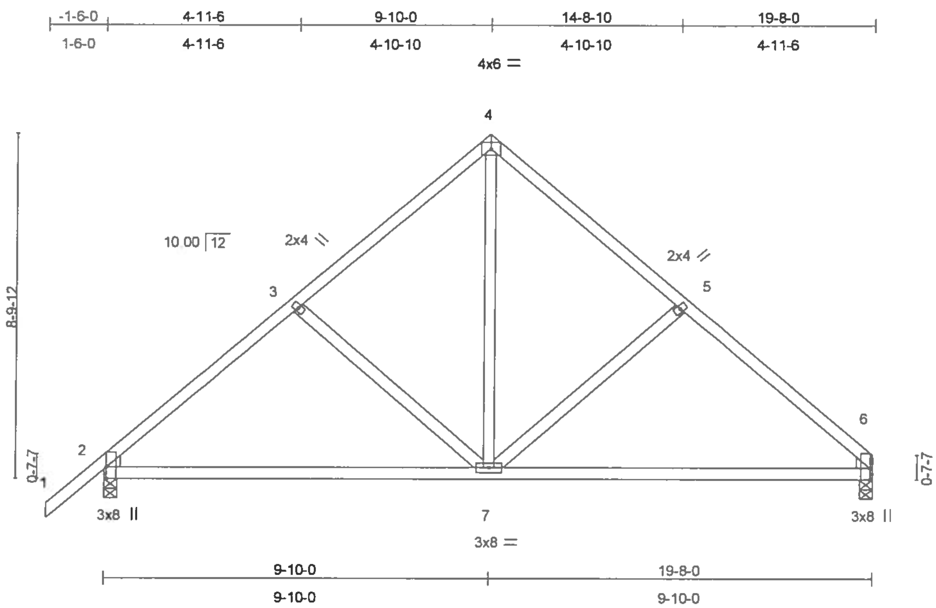

Plate Offsets (X,Y): [2:0-3-8,Edge], [6:0-3-8,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.25	Vert(LL)	-0.14	6-7	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.44	Vert(TL)	-0.26	6-7	>885	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.32	Horz(TL)	0.02	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 103 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3
WEDGE
Left: 2 X 4 SYP No.3, Right: 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=713/0-4-0, 6=615/0-4-0
Max Horz 2=254(load case 5)
Max Uplift 2=-195(load case 6), 6=-120(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-769/354, 3-4=-573/349, 4-5=-574/351, 5-6=-755/358
BOT CHORD 2-7=-167/509, 6-7=-166/518
WEBS 3-7=-198/228, 4-7=-254/410, 5-7=-209/245

JOINT STRESS INDEX
2 = 0.77, 2 = 0.00, 3 = 0.33, 4 = 0.39, 5 = 0.33, 6 = 0.77, 6 = 0.00 and 7 = 0.56

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS 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.

Continued on page 2

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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 195 lb uplift at joint 2 and 120 lb uplift at joint 6.

LOAD CASE(S) Standard

[illegible]
Truss Design Engineer
[illegible]
[illegible]
[illegible]

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Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / LOT 138 THE PRESERVES J1916292
L262253	T30	MONO HIP	1	1	Job Reference (optional)

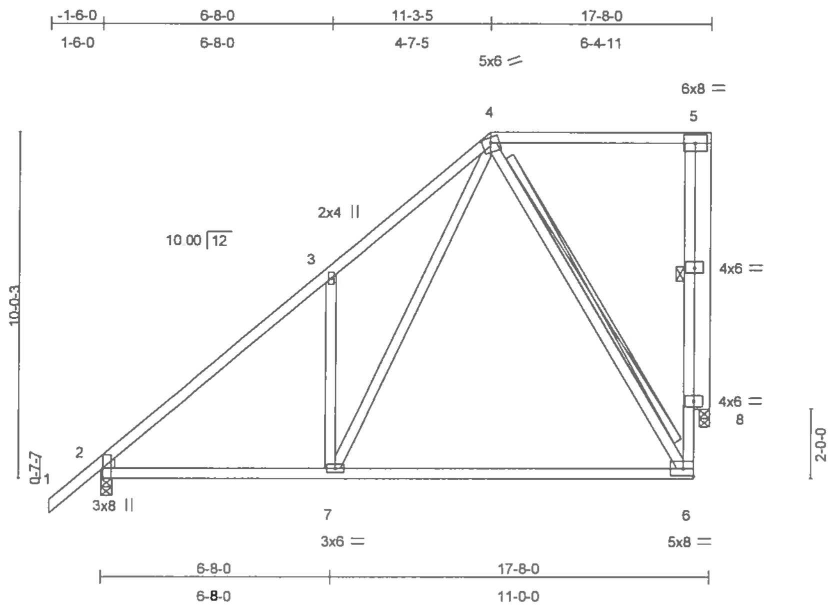

Plate Offsets (X,Y): [2:0-3-8,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.72	Vert(LL)	-0.23	6-7	>895	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.53	Vert(TL)	-0.39	6-7	>517	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.78	Horz(TL)	-0.06	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
OTHERS 2 X 6 SYP No.1D
WEDGE
Left: 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 5-6
T-Brace: 2 X 4 SYP No.3 - 4-6
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) 2=635/0-4-0, 8=544/0-3-8
Max Horz 2=361(load case 6)
Max Uplift 2=-123(load case 6), 8=-180(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-660/91, 3-4=-613/373, 4-5=-26/5, 6-8=-269/375, 5-8=-169/116
BOT CHORD 2-7=-350/404, 6-7=-184/215
WEBS 3-7=-285/391, 4-7=-387/440, 4-6=-378/349

JOINT STRESS INDEX
2 = 0.58, 2 = 0.00, 3 = 0.33, 4 = 0.45, 5 = 0.25, 6 = 0.65, 7 = 0.45, 8 = 0.00, 8 = 0.22 and 8 = 0.22

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Continued on page 2

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / LOT 138 THE PRESERVES J1916292
L262253	T30	MONO HIP	1	1	Job Reference (optional)

NOTES

1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; 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 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 123 lb uplift at joint 2 and 180 lb uplift at joint 8.

LOAD CASE(S) Standard

[illegible]

December 12,2007

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / LOT 138 THE PRESERVES J1916293
L262253	T31	MONO HIP	4	1	Job Reference (optional)

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Scale = 1:81.2

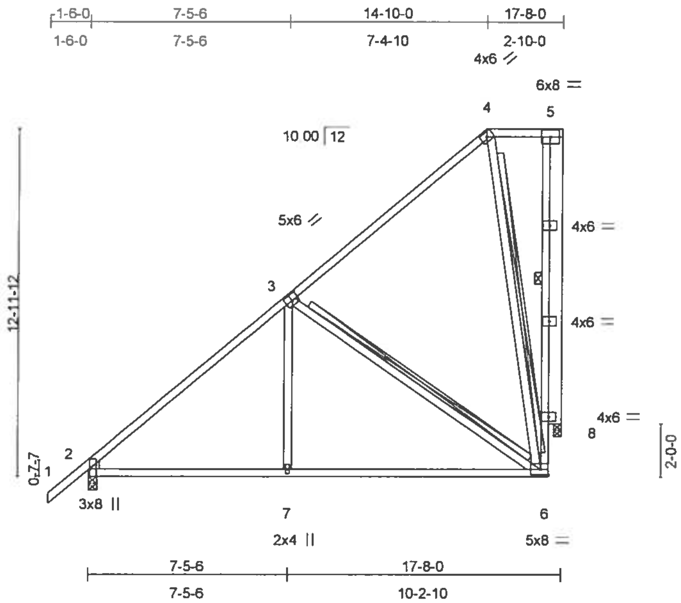

Plate Offsets (X,Y): [2:0-3-8,Edge], [3:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.36	Vert(LL)	-0.16	6-7	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.49	Vert(TL)	-0.28	6-7	>735	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.30	Horz(TL)	-0.05	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.2 *Except*
3-7 2 X 4 SYP No.3, 3-6 2 X 4 SYP No.3
OTHERS 2 X 6 SYP No.1D
WEDGE
Left: 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-5.
BOT CHORD Rigid ceiling directly applied or 9-9-13 oc bracing.
WEBS 1 Row at midpt 5-6
T-Brace: 2 X 4 SYP No.3 - 3-6, 4-6
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.
JOINTS 1 Brace at Jt(s): 5

REACTIONS (lb/size) 2=635/0-4-0, 8=544/0-3-8
Max Horz 2=456(load case 6)
Max Uplift 2=-70(load case 6), 8=-274(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-648/0, 3-4=-205/49, 4-5=-14/0, 6-8=-530/564, 5-8=-71/54
BOT CHORD 2-7=-373/394, 6-7=-373/393
WEBS 3-7=0/292, 3-6=-411/387, 4-6=-294/348

JOINT STRESS INDEX
2 = 0.59, 2 = 0.00, 3 = 0.52, 4 = 0.73, 5 = 0.14, 6 = 0.53, 7 = 0.33, 8 = 0.00, 8 = 0.22, 8 = 0.22 and 8 = 0.22

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Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / LOT 138 THE PRESERVES J1916293
L262253	T31	MONO HIP	4	1	Job Reference (optional)

NOTES

1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; 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 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 70 lb uplift at joint 2 and 274 lb uplift at joint 8.

LOAD CASE(S) Standard

[illegible]

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Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / LOT 138 THE PRESERVES J1916294
L262253	T31A	MONO HIP	1	1	Job Reference (optional)

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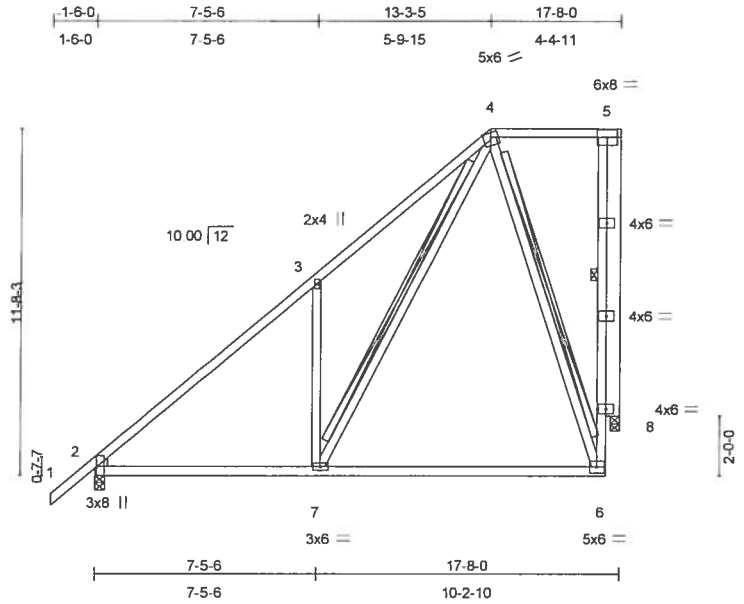

Plate Offsets (X,Y): [2:0-3-8,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.58	Vert(LL)	-0.16	6-7	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.49	Vert(TL)	-0.28	6-7	>719	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.41	Horz(TL)	-0.05	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 145 lb	

LUMBER

TOP CHORD	2 X 4 SYP No.2
BOT CHORD	2 X 4 SYP No.2
WEBS	2 X 4 SYP No.3 *Except* 4-7 2 X 4 SYP No.2
OTHERS	2 X 6 SYP No.1D
WEDGE	
Left: 2 X 4 SYP No.3	

BRACING

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 9-11-9 oc bracing.
WEBS	1 Row at midpt 5-6
	T-Brace: 2 X 4 SYP No.3 - 4-6, 4-7

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) 2=635/0-4-0, 8=544/0-3-8
Max Horz 2=414(load case 6)
Max Uplift 2=-97(load case 6), 8=-230(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=0/45, 2-3=-645/19, 3-4=-620/359, 4-5=-16/0, 6-8=-374/450, 5-8=-94/67
BOT CHORD	2-7=-356/388, 6-7=-132/143
WEBS	3-7=-363/472, 4-6=-428/425, 4-7=-491/536

JOINT STRESS INDEX
2 = 0.64, 2 = 0.00, 3 = 0.33, 4 = 0.36, 5 = 0.14, 6 = 0.66, 7 = 0.45, 8 = 0.00, 8 = 0.22, 8 = 0.22 and 8 = 0.22

Julius Lee
Truss Design Engineer
[illegible]

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Continued on page 2

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / LOT 138 THE PRESERVES J1916294
L262253	T31A	MONO HIP	1	1	Job Reference (optional)

NOTES

1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; 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 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 97 lb uplift at joint 2 and 230 lb uplift at joint 8.

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / LOT 138 THE PRESERVES J1916295
L262253	T32	MONO HIP	1	1	Job Reference (optional)

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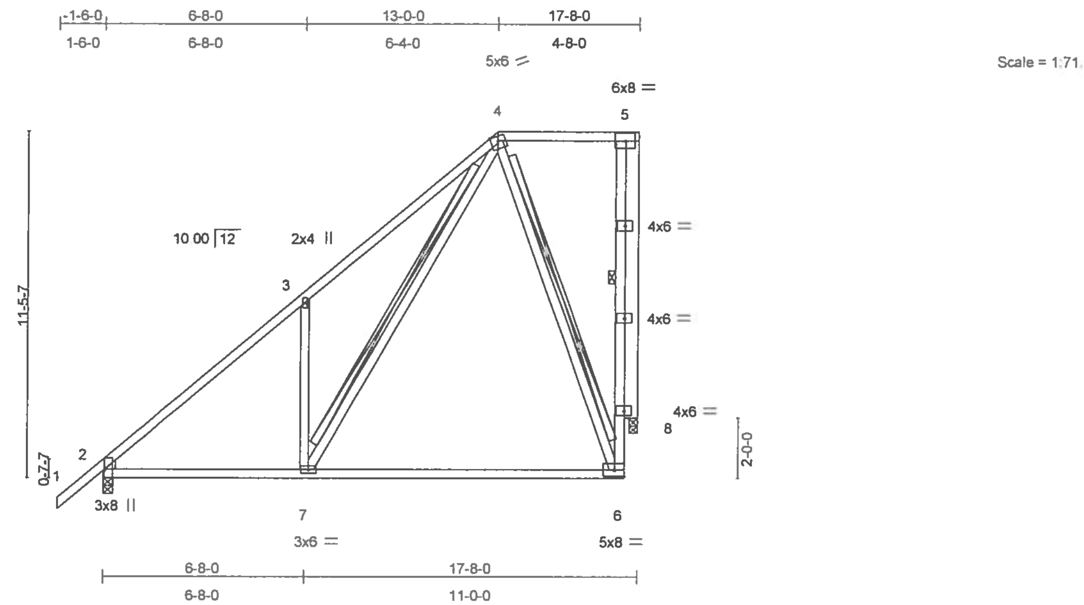

Plate Offsets (X,Y): [2:0-3-8,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.71	Vert(LL)	-0.23	6-7	>886	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.53	Vert(TL)	-0.40	6-7	>505	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.39	Horz(TL)	-0.07	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 143 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3 *Except*
4-7 2 X 4 SYP No.2
OTHERS 2 X 6 SYP No.1D
WEDGE
Left: 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-11-12 oc bracing.
WEBS 1 Row at midpt 5-6
T-Brace: 2 X 4 SYP No.3 - 4-6, 4-7
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) 2=635/0-4-0, 8=544/0-3-8
Max Horz 2=407(load case 6)
Max Uplift 2=-101(load case 6), 8=-222(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-664/35, 3-4=-653/365, 4-5=-20/0, 6-8=-375/452, 5-8=-92/74
BOT CHORD 2-7=-376/412, 6-7=-144/156
WEBS 3-7=-341/452, 4-6=-428/432, 4-7=-469/518

JOINT STRESS INDEX
2 = 0.58, 2 = 0.00, 3 = 0.33, 4 = 0.49, 5 = 0.14, 6 = 0.63, 7 = 0.43, 8 = 0.00, 8 = 0.22, 8 = 0.22 and 8 = 0.22

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Continued on page 2

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / LOT 138 THE PRESERVES J1916295
L262253	T32	MONO HIP	1	1	Job Reference (optional)

NOTES

1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; 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 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 101 lb uplift at joint 2 and 222 lb uplift at joint 8.

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / LOT 138 THE PRESERVES
L262253	T33	MONO HIP	1	1	J1916296 Job Reference (optional)

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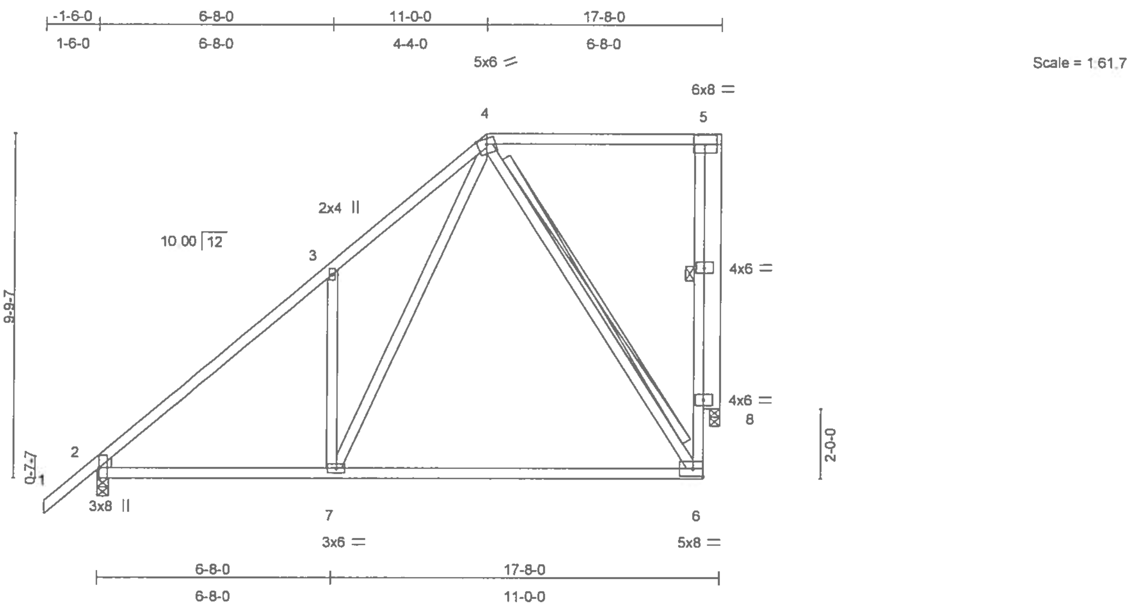

Plate Offsets (X,Y): [2:0-3-8,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.72	Vert(LL)	-0.23	6-7	>897	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.53	Vert(TL)	-0.39	6-7	>519	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.71	Horz(TL)	-0.06	8	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
OTHERS 2 X 6 SYP No.1D
WEDGE
Left: 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 5-6
T-Brace: 2 X 4 SYP No.3 - 4-6
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) 2=635/0-4-0, 8=544/0-3-8
Max Horz 2=353(load case 6)
Max Uplift 2=-126(load case 6), 8=-179(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-660/100, 3-4=-606/374, 4-5=-27/7, 6-8=-255/365, 5-8=-179/124
BOT CHORD 2-7=-346/403, 6-7=-190/226
WEBS 3-7=-276/381, 4-7=-374/427, 4-6=-374/340

JOINT STRESS INDEX
2 = 0.58, 2 = 0.00, 3 = 0.33, 4 = 0.44, 5 = 0.28, 6 = 0.65, 7 = 0.46, 8 = 0.00, 8 = 0.22 and 8 = 0.22

[illegible]

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Continued on page 2

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / LOT 138 THE PRESERVES J1916296
L262253	T33	MONO HIP	1	1	Job Reference (optional)

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NOTES

1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; 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 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 126 lb uplift at joint 2 and 179 lb uplift at joint 8.

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / LOT 138 THE PRESERVES J1916297
L262253	T34	MONO HIP	1	1	Job Reference (optional)

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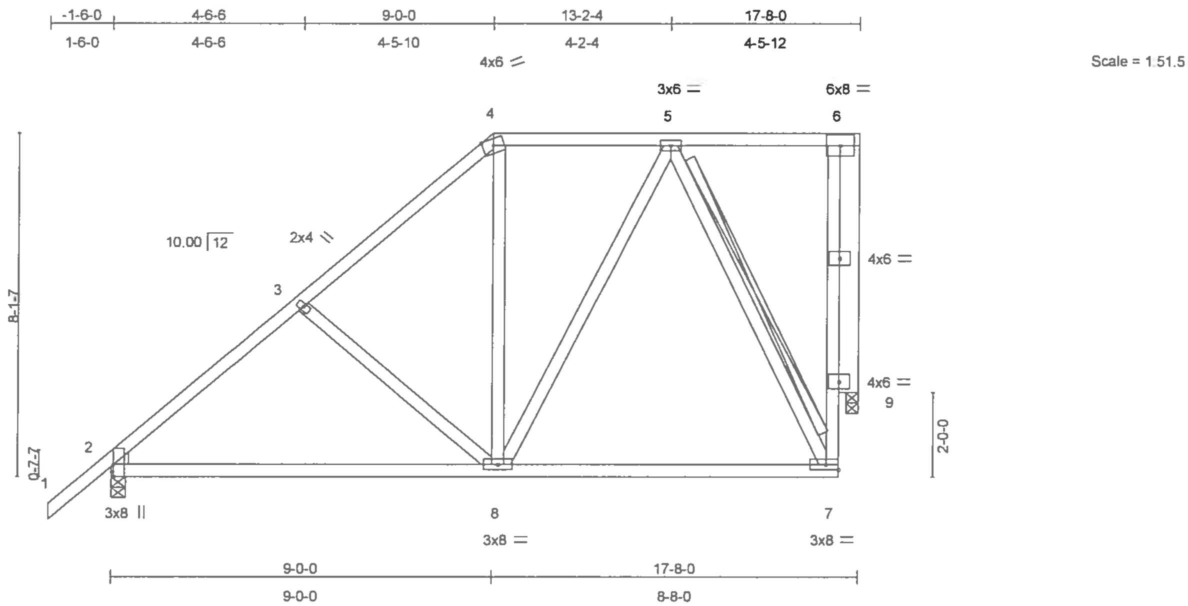

Plate Offsets (X,Y): [2:0-3-8,Edge]

LOADING (psf)		SPACING		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.36	Vert(LL)	-0.11	2-8	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.34	Vert(TL)	-0.20	2-8	>998	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.22	Horz(TL)	-0.02	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 130 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 6 SYP No.1D
WEDGE
Left: 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 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) 2=635/0-4-0, 9=544/0-3-8
Max Horz 2=300(load case 6)
Max Uplift 2=-144(load case 6), 9=-171(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-659/198, 3-4=-478/190, 4-5=-305/218, 5-6=-14/4, 7-9=-268/435, 6-9=-109/79
BOT CHORD 2-8=-388/432, 7-8=-145/209
WEBS 3-8=-167/220, 4-8=0/135, 5-8=-159/210, 5-7=-446/320

JOINT STRESS INDEX
2 = 0.72, 2 = 0.00, 3 = 0.33, 4 = 0.42, 5 = 0.45, 6 = 0.14, 7 = 0.59, 8 = 0.60, 9 = 0.00, 9 = 0.22 and 9 = 0.22

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Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / LOT 138 THE PRESERVES J1916297
L262253	T34	MONO HIP	1	1	Job Reference (optional)

NOTES

1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; 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) 9 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 144 lb uplift at joint 2 and 171 lb uplift at joint 9.

LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida PE no. 34427
1106 Coastal Bay Blvd
Ocean Isle Beach, NC 28469

December 12,2007

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / LOT 138 THE PRESERVES J1916298
L262253	T35	MONO HIP	1	1	Job Reference (optional)

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Scale = 1:40.5

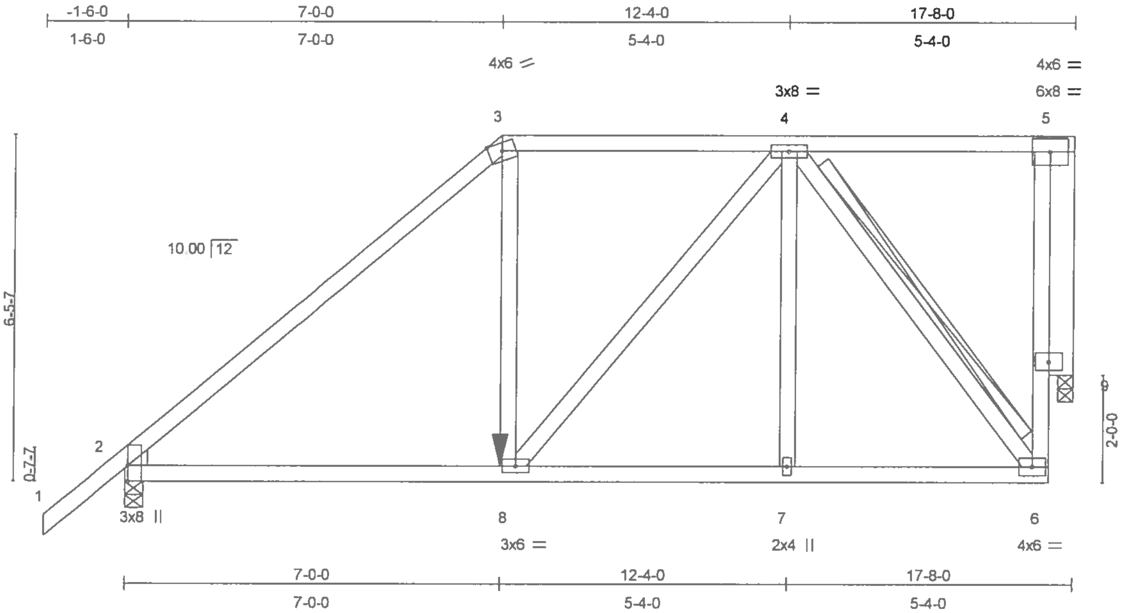

Plate Offsets (X,Y): [2:0-3-8,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.63	Vert(LL)	0.08	7-8	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.41	Vert(TL)	-0.10	2-8	>999	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.42	Horz(TL)	0.01	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 117 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3
OTHERS 2 X 6 SYP No.1D
WEDGE
Left: 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 5-0-15 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-3-10 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 4-6
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) 2=1101/0-4-0, 9=1256/0-3-8
Max Horz 2=247(load case 5)
Max Uplift 2=-516(load case 5), 9=-721(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-1356/658, 3-4=-933/553, 4-5=-33/18, 6-9=-616/1077, 5-9=-178/105
BOT CHORD 2-8=-547/923, 7-8=-434/747, 6-7=-434/747
WEBS 3-8=-327/422, 4-8=-235/288, 4-7=-209/367, 4-6=-1173/683

JOINT STRESS INDEX
2 = 0.72, 2 = 0.00, 3 = 0.72, 4 = 0.60, 5 = 0.24, 6 = 0.79, 7 = 0.34, 8 = 0.39, 9 = 0.00 and 9 = 0.52

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; 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 bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi

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Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / LOT 138 THE PRESERVES J1916298
L262253	T35	MONO HIP	1	1	Job Reference (optional)

NOTES

5) Bearing at joint(s) 9 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 516 lb uplift at joint 2 and 721 lb uplift at joint 9.

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

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-3=-54, 3-5=-72(F=-18), 2-8=-10, 6-8=-69(F=-59)

Concentrated Loads (lb)

Vert: 8=-411(F)

[illegible]

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Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / LOT 138 THE PRESERVES J1916299
L262253	T36	HIP	1	1	Job Reference (optional)

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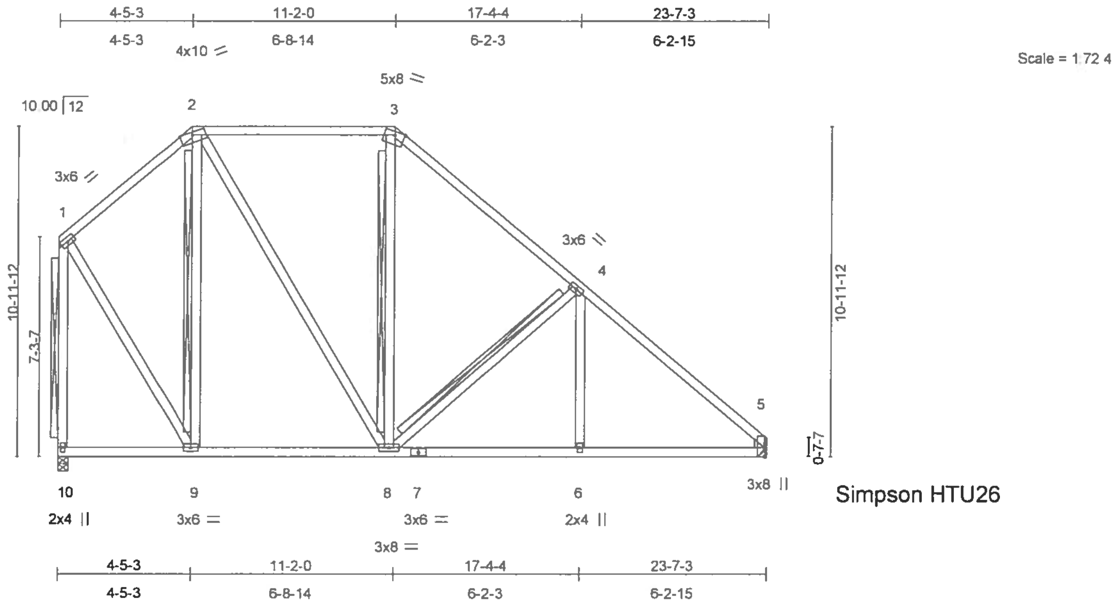

Plate Offsets (X,Y): [5:0-3-8,Edge]

LOADING (psf)		SPACING		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.33	Vert(LL)	0.06	5-6	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.28	Vert(TL)	-0.08	5-6	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.48	Horz(TL)	0.02	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 170 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3 *Except*
2-8 2 X 4 SYP No.2
WEDGE
Right: 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 2-3.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 9-10.
WEBS T-Brace: 2 X 4 SYP No.3 - 2-9, 3-8, 4-8, 1-10
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) 10=746/0-4-0, 5=746/Mechanical
Max Horz 10=-287(load case 4)
Max Uplift 10=-157(load case 7), 5=-125(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-403/262, 2-3=-424/384, 3-4=-659/377, 4-5=-980/383, 1-10=-726/409
BOT CHORD 9-10=-111/300, 8-9=-116/263, 7-8=-162/655, 6-7=-162/655, 5-6=-162/655
WEBS 2-9=-361/224, 2-8=-202/331, 3-8=-23/152, 4-8=-306/321, 4-6=0/203, 1-9=-219/494

JOINT STRESS INDEX
1 = 0.58, 2 = 0.82, 3 = 0.63, 4 = 0.43, 5 = 0.59, 5 = 0.00, 6 = 0.33, 7 = 0.22, 8 = 0.58, 9 = 0.43 and 10 = 0.33

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Continued on page 2

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / LOT 138 THE PRESERVES J1916299
L262253	T36	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=20ft; 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 157 lb uplift at joint 10 and 125 lb uplift at joint 5.

LOAD CASE(S) Standard

[illegible]

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Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / LOT 138 THE PRESERVES J1916300
L262253	T37	HIP	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Fri Dec 07 14:12:45 2007 Page 1

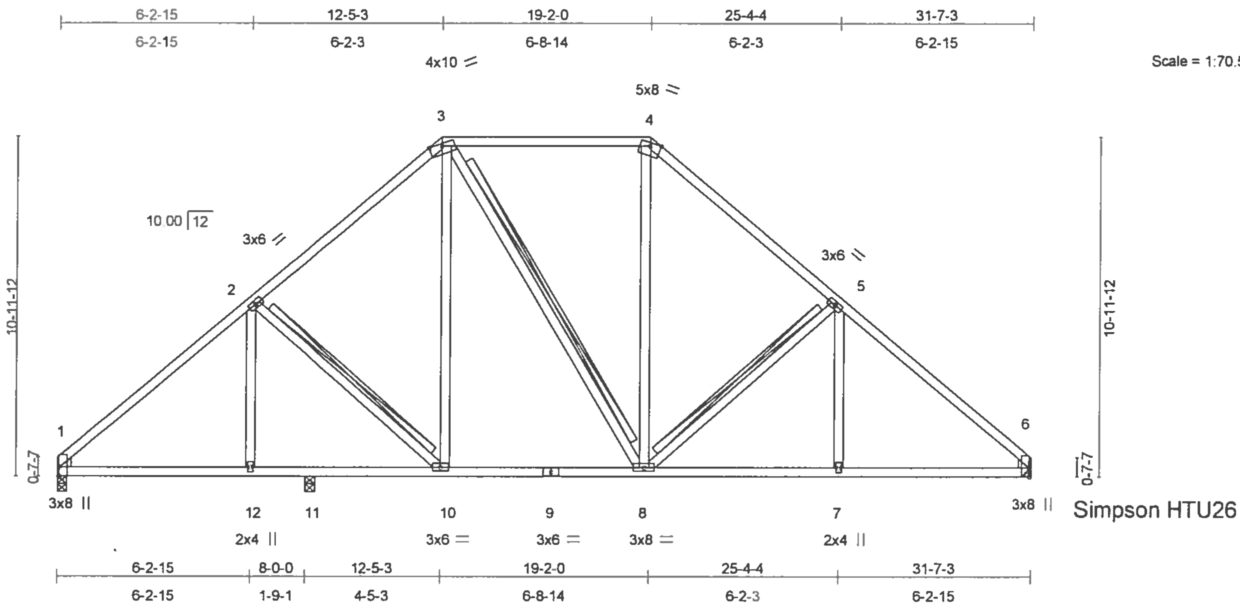

Plate Offsets (X,Y): [1:0-3-8,Edge], [6:0-3-8,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.38	Vert(LL)	0.17	1-12	>573	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.47	Vert(TL)	-0.12	1-12	>779	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.51	Horz(TL)	0.04	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 195 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3 *Except*
3-8 2 X 4 SYP No.2
WEDGE
Left: 2 X 4 SYP No.3, Right: 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-2-12 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 3-4.
BOT CHORD Rigid ceiling directly applied or 7-10-7 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 2-10, 3-8, 5-8
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) 1=901/0-3-8, 6=967/Mechanical, 11=135/0-4-0
Max Horz 1=-296(load case 4)
Max Uplift 1=-357(load case 6), 6=-214(load case 7), 11=-7(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1194/879, 2-3=-960/714, 3-4=-683/623, 4-5=-993/686, 5-6=-1310/689
BOT CHORD 1-12=-538/816, 11-12=-538/816, 10-11=-538/816, 9-10=-256/656, 8-9=-256/656, 7-8=-389/900, 6-7=-389/900
WEBS 2-12=-200/93, 2-10=-230/480, 3-10=-251/228, 3-8=-113/184, 4-8=-196/290, 5-8=-294/308, 5-7=0/200

JOINT STRESS INDEX
1 = 0.60, 1 = 0.00, 2 = 0.43, 3 = 0.88, 4 = 0.64, 5 = 0.43, 6 = 0.66, 6 = 0.00, 7 = 0.33, 8 = 0.58, 9 = 0.29, 10 = 0.35 and 12 = 0.33

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NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
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 357 lb uplift at joint 1, 214 lb uplift at joint 6 and 7 lb uplift at joint 11.

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / LOT 138 THE PRESERVES J1916301
L262253	T38	ROOF TRUSS	2	4	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Apr 19 2006 MiTek Industries, Inc. Tue Dec 11 15:31:31 2007 Page 1

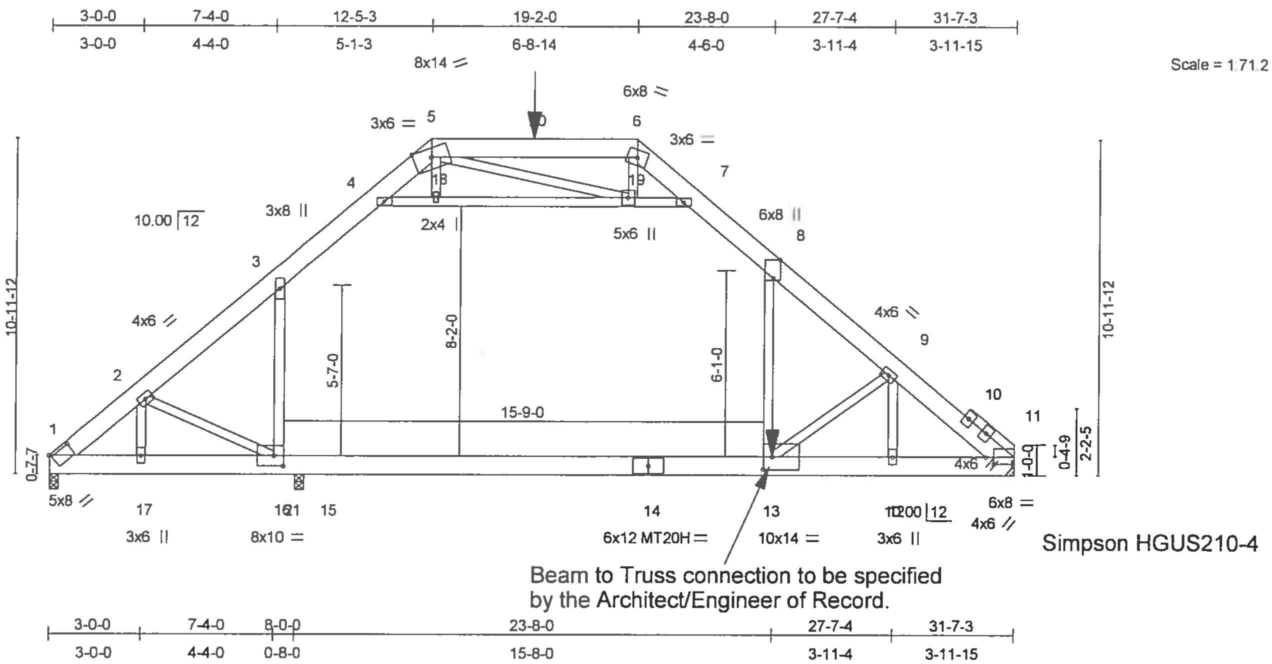

Plate Offsets (X,Y): [1:0-8-4,0-1-1], [8:0-7-3,Edge], [11:0-3-1,0-2-12], [13:0-3-8,0-5-0], [16:0-3-8,0-4-0]

LOADING (psf)		SPACING	6-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.00	TC	0.84	Vert(LL)	-0.49	13-15	>570	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.00	BC	0.98	Vert(TL)	-1.05	13-15	>263	240	MT20H	187/143
BCLL	10.0	* Rep Stress Incr	YES	WB	0.98	Horz(TL)	0.01	11	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 1148 lb	

LUMBER
TOP CHORD 2 X 8 SYP 2400F 2.0E *Except*
5-6 2 X 8 SYP No.1D
BOT CHORD 2 X 8 SYP 2400F 2.0E *Except*
10-11 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD 2-0-0 oc purlins (6-0-0 max.)
(Switched from sheeted: Spacing > 2-0-0).
BOT CHORD Rigid ceiling directly applied or 2-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): 5, 6

REACTIONS (lb/size) 1=7296/0-3-8, 11=8016/Mechanical, 15=2969/0-4-0
Max Horz 1=859(load case 4)
Max Uplift 1=-2391(load case 3), 11=-1720(load case 3), 15=-599(load case 4)
Max Grav 1=7296(load case 1), 11=8016(load case 1), 15=3501(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-8988/3358, 2-3=-10913/2739, 3-4=-7652/2022, 4-5=-1003/1550, 5-20=-237/1245, 6-20=-237/1245, 6-7=-1037/1449, 7-8=-6942/1825, 8-9=-11997/2286, 9-10=-10701/2619, 10-11=-11032/2586
BOT CHORD 1-17=-2240/7121, 17-21=-2264/7058, 16-21=-2264/7058, 15-16=-1153/7682, 14-15=-1153/7682, 13-14=-1153/7682, 12-13=-1985/8936, 11-12=-1985/9086
WEBS 2-17=-3304/0, 2-16=-75/1283, 3-16=-1432/5180, 9-12=-2679/0, 8-13=-1015/7302, 9-13=-1698/1094, 4-18=-9074/1309, 18-19=-9004/1310, 7-19=-7570/1048, 5-18=0/658, 6-19=0/200, 5-19=-464/1579

JOINT STRESS INDEX
1 = 0.61, 2 = 0.34, 3 = 0.42, 4 = 0.79, 5 = 0.33, 6 = 0.38, 7 = 0.67, 8 = 0.73, 9 = 0.34, 10 = 0.00, 10 = 0.40, 10 = 0.11, 11 = 0.64, 12 = 0.16, 13 = 0.34, 14 = 0.85, 16 = 0.30, 17 = 0.17, 18 = 0.34 and 19 = 0.29

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NOTES

1) 4-ply truss to be connected together with 10d (0.131"x3") nails as follows:
   Top chords connected as follows: 2 X 8 - 2 rows at 0-9-0 oc.
   Bottom chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc, 2 X 8 - 2 rows at 0-9-0 oc.
   Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc, Except member 13-8 2 X 4 - 1 row at 0-7-0 oc.
   Attach 2x6 and larger chords with 1/2 inch diameter thru bolts (ASTM a-307) with washers at 2-0-0 on center staggered 1-0-0. Refer to drawing CNBOLTSP1103 for additional bolt spacing information.
   NOTE: Do not drill bolt holes through connector plates.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60.
5) Provide adequate drainage to prevent water ponding.
6) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) All plates are MT20 plates unless otherwise indicated.
8) Ceiling dead load (5.0 psf) on member(s). 3-4, 7-8, 4-18, 18-19, 7-19; Wall dead load (5.0psf) on member(s).3-16, 8-13
9) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 15-16, 13-15
10) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 2391 lb uplift at joint 1, 1720 lb uplift at joint 11 and 599 lb uplift at joint 15.

Loading has been calculated by the truss manufacturer. It is the responsibility of the Architect/Engineer of Record to verify and approve the loading.

LOAD CASE(S) Standard Except:

1) Regular: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 1-3=-162, 3-4=-192, 4-5=-162, 5-6=-162, 6-7=-162, 7-8=-192, 8-11=-162, 1-21=-298(F=-268), 16-21=-143(F=-113), 13-16=-443(F=-113), 11-13=-30, 4-7=-30
      Drag: 3-16=-30, 8-13=-30
   Concentrated Loads (lb)
      Vert: 13=-1660(F) 20=-1260
2) IBC BC Live: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
      Vert: 1-3=-42, 3-4=-72, 4-5=-42, 5-6=-42, 6-7=-42, 7-8=-72, 8-11=-42, 1-21=-261(F=-171), 13-21=-203(F=-113), 12-13=-90, 11-12=-90, 4-7=-30
      Drag: 3-16=-30, 8-13=-30
   Concentrated Loads (lb)
      Vert: 13=-623(F) 20=-473
9) Attic Floor: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 1-3=-42, 3-4=-72, 4-5=-42, 5-6=-42, 6-7=-42, 7-8=-72, 8-11=-42, 1-21=-201(F=-171), 16-21=-143(F=-113), 13-16=-443(F=-113), 11-13=-30, 4-7=-30
      Drag: 3-16=-30, 8-13=-30
   Concentrated Loads (lb)
      Vert: 13=-623(F) 20=-473
10) 1st unbalanced Regular: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 1-3=-162, 3-4=-192, 4-5=-162, 5-6=-162, 6-7=-42, 7-8=-72, 8-11=-42, 1-21=-298(F=-268), 16-21=-143(F=-113), 13-16=-443(F=-113), 11-13=-30, 4-7=-30
      Drag: 3-16=-30, 8-13=-30
   Concentrated Loads (lb)
      Vert: 13=-1660(F) 20=-1260
11) 2nd unbalanced Regular: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 1-3=-42, 3-4=-72, 4-5=-42, 5-6=-162, 6-7=-162, 7-8=-192, 8-11=-162, 1-21=-298(F=-268), 16-21=-143(F=-113), 13-16=-443(F=-113), 11-13=-30, 4-7=-30
      Drag: 3-16=-30, 8-13=-30
   Concentrated Loads (lb)
      Vert: 13=-1660(F) 20=-1260

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[illegible]

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Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / LOT 138 THE PRESERVES J1916302
L262253	T39	MONO TRUSS	4	1	Job Reference (optional)

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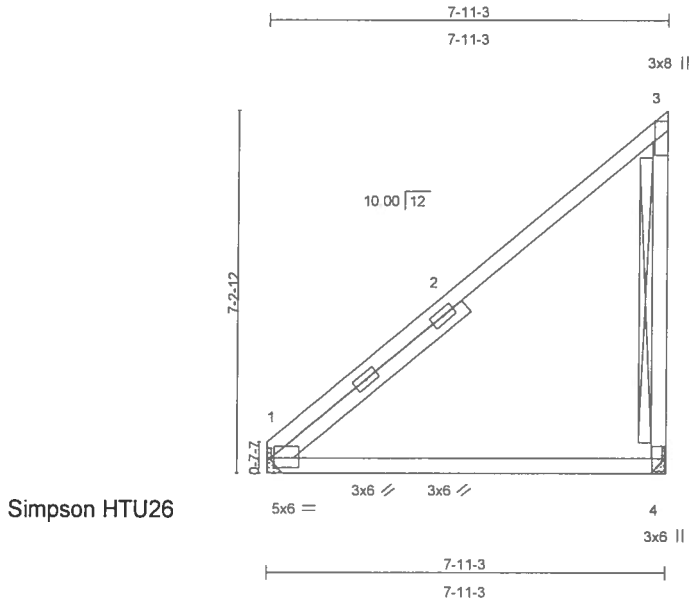

Plate Offsets (X,Y): [1:0-0-12,0-2-4], [3:0-5-0,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.76	Vert(LL)	0.10	1-4	>908	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.32	Vert(TL)	-0.14	1-4	>656	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	4	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 45 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.1D
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3
SLIDER Left 2 X 4 SYP No.3 4-11-3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 3-4
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=245/Mechanical, 4=245/Mechanical
Max Horz 1=217(load case 6)
Max Uplift 4=-164(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-192/0, 2-3=-143/81, 3-4=-178/252
BOT CHORD 1-4=-51/43

JOINT STRESS INDEX
1 = 0.84, 1 = 0.04, 1 = 0.06, 2 = 0.00, 3 = 0.66 and 4 = 0.32

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; 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.

Julius Lee
Truss Design Engineer
Florida PE No 34160
1104 Coastal Bay Blvd
Ocean Ocean, FL 33435

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NOTES

2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 164 lb uplift at joint 4.

LOAD CASE(S) Standard

December 12,2007

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / LOT 138 THE PRESERVES J1916303
L262253	T40	ROOF TRUSS	2	1	Job Reference (optional)

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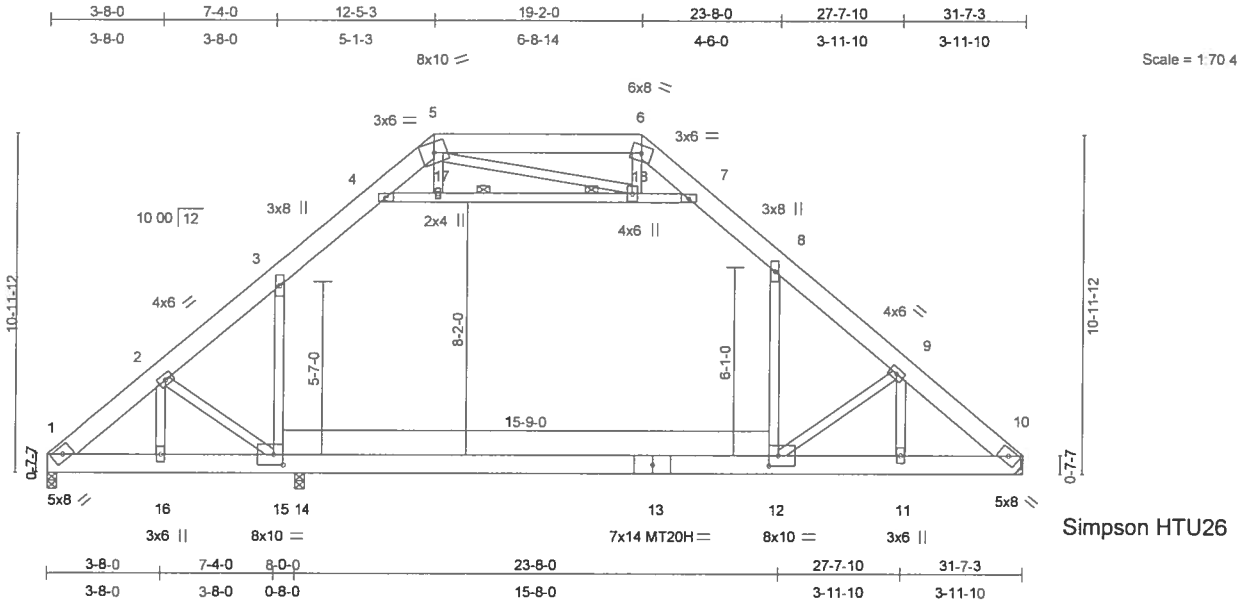

Simpson HTU26

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.81	Vert(LL)	-0.60	12-14	>468	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.87	Vert(TL)	-0.96	12-14	>292	240	MT20H	187/143
BCLL	10.0	* Rep Stress Incr	YES	WB	0.98	Horz(TL)	0.04	10	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 284 lb	

LUMBER
TOP CHORD 2 X 8 SYP No.1D
BOT CHORD 2 X 8 SYP No.1D *Except*
1-13 2 X 8 SYP 2400F 2.0E
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-8-15 oc purlins, except
2-0-0 oc purlins (10-0-0 max.): 5-6.
BOT CHORD Rigid ceiling directly applied or 6-1-15 oc bracing.
WEBS 2 Rows at 1/3 pts 4-7

REACTIONS (lb/size) 1=1389/0-3-8, 10=1733/Mechanical, 14=775/0-4-0
Max Horz 1=-288(load case 4)
Max Uplift 1=-185(load case 7), 10=-62(load case 7), 14=-292(load case 5)
Max Grav 1=1389(load case 1), 10=1733(load case 1), 14=950(load case 11)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1790/502, 2-3=-2369/223, 3-4=-1663/367, 4-5=-95/289, 5-6=0/274, 6-7=-137/244, 7-8=-1512/366, 8-9=-2561/255, 9-10=-2485/369
BOT CHORD 1-16=-319/1379, 15-16=-324/1363, 14-15=0/1636, 13-14=0/1636, 12-13=0/1636, 11-12=-213/1929, 10-11=-212/1936
WEBS 3-15=-162/1151, 8-12=0/1427, 4-17=-2047/185, 17-18=-2030/187, 7-18=-1725/198, 5-17=0/166, 6-18=0/76, 5-18=-80/352, 2-15=-2/477, 9-12=-395/319, 9-11=-489/10, 2-16=-1062/0

[illegible]

JOINT STRESS INDEX
1 = 0.40, 2 = 0.34, 3 = 0.36, 4 = 0.70, 5 = 0.31, 6 = 0.17, 7 = 0.59, 8 = 0.45, 9 = 0.33, 10 = 0.56, 11 = 0.15, 12 = 0.29, 13 = 0.53, 15 = 0.20, 16 = 0.19, 17 = 0.33 and 18 = 0.25

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December 12,2007

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / LOT 138 THE PRESERVES J1916303
L262253	T40	ROOF TRUSS	2	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=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
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 plates are MT20 plates unless otherwise indicated.
6) Ceiling dead load (5.0 psf) on member(s). 3-4, 7-8, 4-17, 17-18, 7-18; Wall dead load (5.0psf) on member(s).3-15, 8-12
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 14-15, 12-14
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 185 lb uplift at joint 1, 62 lb uplift at joint 10 and 292 lb uplift at joint 14.

LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida PE No. 34836
1109 Coastal Bay Blvd
Ocean Isle, NC 28469

December 12,2007

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / LOT 138 THE PRESERVES J1916304
L262253	T41	ROOF TRUSS	3	1	Job Reference (optional)

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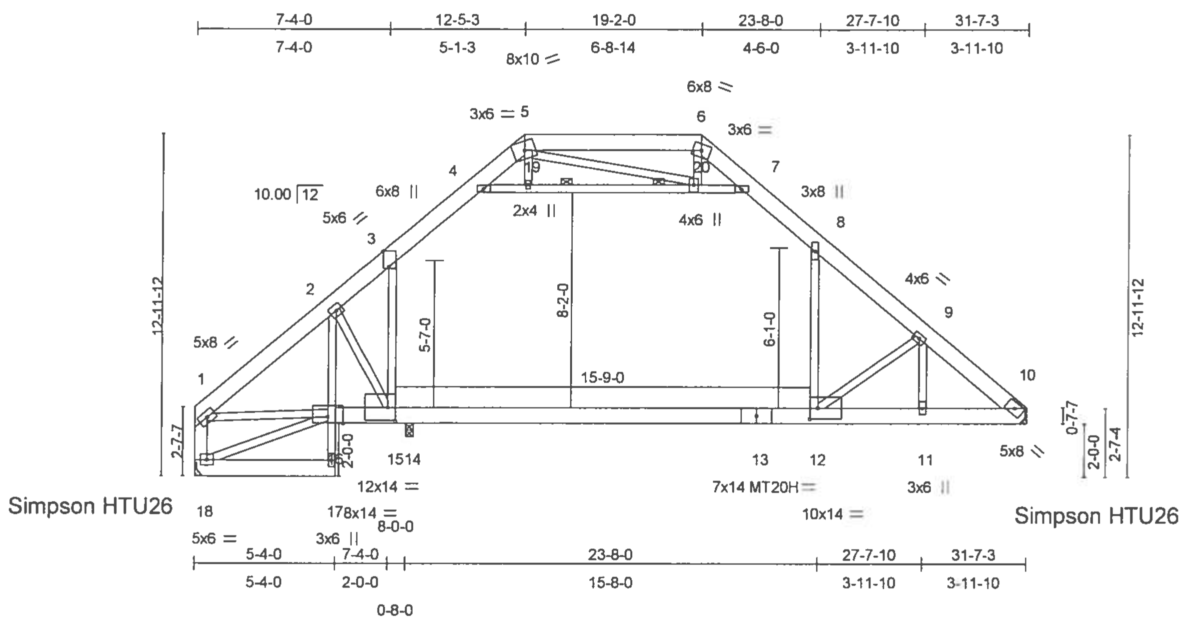

Plate Offsets (X,Y): [3:0-7-3,Edge], [12:0-3-8,0-5-0], [15:0-3-8,0-6-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.79	Vert(LL)	-0.57	12-14	>489	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.91	Vert(TL)	-0.92	12-14	>304	240	MT20H	187/143
BCLL	10.0	* Rep Stress Incr	YES	WB	0.98	Horz(TL)	0.02	10	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 308 lb	

LUMBER
TOP CHORD 2 X 8 SYP No.1D
BOT CHORD 2 X 8 SYP 2400F 2.0E *Except*
17-18 2 X 8 SYP No.1D, 2-17 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3 *Except*
1-18 2 X 6 SYP No.1D

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-9-12 oc purlins, except end verticals, and 2-0-0 oc purlins (10-0-0 max.): 5-6.
BOT CHORD Rigid ceiling directly applied or 5-0-1 oc bracing.
WEBS 2 Rows at 1/3 pts 4-7

REACTIONS (lb/size) 10=1732/Mechanical, 18=1392/Mechanical, 14=768/0-3-8
Max Horz 18=-288(load case 4)
Max Uplift 10=-65(load case 7), 18=-125(load case 7), 14=-259(load case 5)
Max Grav 10=1732(load case 1), 18=1392(load case 1), 14=942(load case 11)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-2004/300, 2-3=-2432/279, 3-4=-1658/369, 4-5=-111/285, 5-6=0/276, 6-7=-143/242, 7-8=-1517/370, 8-9=-2555/262, 9-10=-2482/374, 1-18=-1376/268
BOT CHORD 17-18=-0/77, 16-17=0/63, 2-16=-1159/72, 15-16=-134/1393, 14-15=0/1636, 13-14=0/1636, 12-13=0/1636, 11-12=-217/1926, 10-11=-216/1933
WEBS 3-15=-162/1317, 8-12=0/1410, 4-19=-2018/185, 19-20=-2001/187, 7-20=-1723/202, 5-19=0/164, 6-20=0/83, 5-20=-82/324, 2-15=-70/532, 9-11=-488/13, 9-12=-392/319, 1-16=-87/1334, 16-18=-284/274

JOINT STRESS INDEX
1 = 0.48, 2 = 0.33, 3 = 0.42, 4 = 0.71, 5 = 0.32, 6 = 0.18, 7 = 0.61, 8 = 0.45, 9 = 0.34, 10 = 0.58, 11 = 0.16, 12 = 0.26, 13 = 0.27, 15 = 0.31, 16 = 0.25, 17 = 0.18, 18 = 0.40, 19 = 0.34 and 20 = 0.26

NOTES
1) Unbalanced roof live loads have been considered for this design.

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NOTES

2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; 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 plates are MT20 plates unless otherwise indicated.
6) Ceiling dead load (5.0 psf) on member(s). 3-4, 7-8, 4-19, 19-20, 7-20; Wall dead load (5.0psf) on member(s).3-15, 8-12
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 14-15, 12-14
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 65 lb uplift at joint 10, 125 lb uplift at joint 18 and 259 lb uplift at joint 14.

LOAD CASE(S) Standard

December 12,2007

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / LOT 138 THE PRESERVES J1916305
L262253	T42	ROOF TRUSS	1	4	Job Reference (optional)

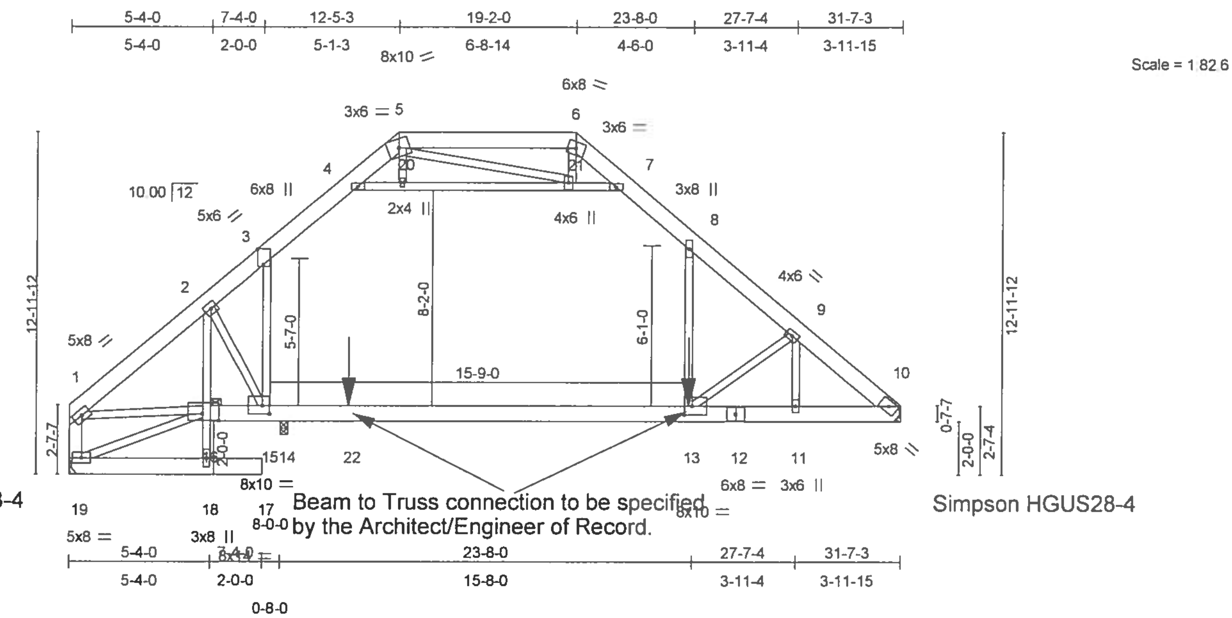

Plate Offsets (X,Y): [3:0-7-3,Edge], [13:0-3-8,0-4-0], [15:0-3-5,0-3-14], [16:0-7-7,0-3-2]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.00	TC	0.47	Vert(LL)	-0.29	13-14	>971	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.00	BC	0.65	Vert(TL)	-0.47	13-14	>596	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.45	Horz(TL)	0.02	10	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 1258 lb	

LUMBER
TOP CHORD 2 X 8 SYP 2400F 2.0E
BOT CHORD 2 X 8 SYP 2400F 2.0E *Except*
2-18 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3 *Except*
1-19 2 X 6 SYP No.1D

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (10-0-0 max.): 5-6.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): 16

REACTIONS (lb/size) 10=3525/Mechanical, 19=4549/Mechanical, 14=4393/0-3-8
Max Horz 19=-288(load case 3)
Max Uplift 10=-459(load case 6), 19=-471(load case 6), 14=-605(load case 4)
Max Grav 10=3525(load case 1), 19=4549(load case 1), 14=4539(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-5381/573, 2-3=-4980/678, 3-4=-3093/465, 4-5=-58/791, 5-6=-66/1036, 6-7=-48/753, 7-8=-2758/417, 8-9=-5358/607, 9-10=-5246/723, 1-19=-3576/390
BOT CHORD 18-19=-34/282, 17-18=0/0, 16-18=-130/2347, 2-16=-442/1021, 15-16=-426/3845, 14-15=-309/3378, 14-22=-309/3378, 13-22=-309/3378, 12-13=-516/4137, 11-12=-516/4137, 10-11=-514/4148
WEBS 3-15=-440/3088, 8-13=-403/3875, 9-13=-1011/383, 9-11=-754/0, 2-15=-1255/255, 4-20=-4898/661, 20-21=-4865/661, 7-21=-4232/567, 5-20=-1/315, 6-21=0/80, 5-21=-130/692, 1-16=-324/3472, 16-19=-294/279

JOINT STRESS INDEX
1 = 0.39, 2 = 0.30, 3 = 0.31, 4 = 0.43, 5 = 0.32, 6 = 0.16, 7 = 0.37, 8 = 0.31, 9 = 0.34, 10 = 0.31, 11 = 0.16, 12 = 0.22, 13 = 0.23, 15 = 0.18, 16 = 0.21, 18 = 0.29, 19 = 0.42, 20 = 0.34 and 21 = 0.26

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NOTES

1) 4-ply truss to be connected together with 10d (0.131"x3") nails as follows:
   Top chords connected as follows: 2 X 8 - 2 rows at 0-9-0 oc, 2 X 6 - 2 rows at 0-9-0 oc.
   Bottom chords connected as follows: 2 X 8 - 3 rows at 0-4-0 oc, 2 X 4 - 1 row at 0-9-0 oc.
   Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
   Attach 2x6 and larger chords with 1/2 inch diameter thru bolts (ASTM a-307) with washers at 2-0-0 on center staggered 1-0-0. Refer to drawing CNBOLTSP1103 for additional bolt spacing information.
   NOTE: Do not drill bolt holes through connector plates.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS; Lumber DOL=1.60 plate grip DOL=1.60.
5) Provide adequate drainage to prevent water ponding.
6) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) Ceiling dead load (5.0 psf) on member(s). 3-4, 7-8, 4-20, 20-21, 7-21; Wall dead load (5.0psf) on member(s).3-15, 8-13
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 14-15, 13-14
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 459 lb uplift at joint 10, 471 lb uplift at joint 19 and 605 lb uplift at joint 14.

LOAD CASE(S) Standard Except:

1) Regular: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 1-3=-54, 3-4=-64, 4-5=-54, 5-6=-54, 6-7=-54, 7-8=-64, 8-10=-54, 18-19=-483(F=-473), 17-18=-483(F=-473), 15-16=-483(F=-473), 14-15=-645(F=-473), 13-14=-172, 10-13=-10, 4-7=-10
      Drag: 3-15=-10, 8-13=-10
   Concentrated Loads (lb)
      Vert: 13=-1500(F) 22=-1300(F)
2) IBC BC Live: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
      Vert: 1-3=-14, 3-4=-24, 4-5=-14, 5-6=-14, 6-7=-14, 7-8=-24, 8-10=-14, 18-19=-62(F=-32), 17-18=-62(F=-32), 15-16=-62(F=-32), 14-15=-74(F=-32), 13-14=-42, 10-13=-30, 4-7=-10
      Drag: 3-15=-10, 8-13=-10
   Concentrated Loads (lb)
      Vert: 13=-563(F) 22=-488(F)
9) Attic Floor: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 1-3=-14, 3-4=-24, 4-5=-14, 5-6=-14, 6-7=-14, 7-8=-24, 8-10=-14, 18-19=-430(F=-420), 17-18=-430(F=-420), 15-16=-430(F=-420), 14-15=-592(F=-420), 13-14=-172, 10-13=-10, 4-7=-10
      Drag: 3-15=-10, 8-13=-10
   Concentrated Loads (lb)
      Vert: 13=-563(F) 22=-488(F)
10) 1st unbalanced Regular: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 1-3=-54, 3-4=-64, 4-5=-54, 5-6=-14, 6-7=-14, 7-8=-24, 8-10=-14, 18-19=-478(F=-468), 17-18=-478(F=-468), 15-16=-478(F=-468), 14-15=-640(F=-468), 13-14=-172, 10-13=-10, 4-7=-10
      Drag: 3-15=-10, 8-13=-10
   Concentrated Loads (lb)
      Vert: 13=-1500(F) 22=-1300(F)
11) 2nd unbalanced Regular: Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 1-3=-14, 3-4=-24, 4-5=-14, 5-6=-54, 6-7=-54, 7-8=-64, 8-10=-54, 18-19=-478(F=-468), 17-18=-478(F=-468), 15-16=-478(F=-468), 14-15=-640(F=-468), 13-14=-172, 10-13=-10, 4-7=-10
      Drag: 3-15=-10, 8-13=-10
   Concentrated Loads (lb)
      Vert: 13=-1500(F) 22=-1300(F)

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[illegible]

December 12,2007

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / LOT 138 THE PRESERVES J1916306
L262253	T43	MONO TRUSS	1	1	Job Reference (optional)

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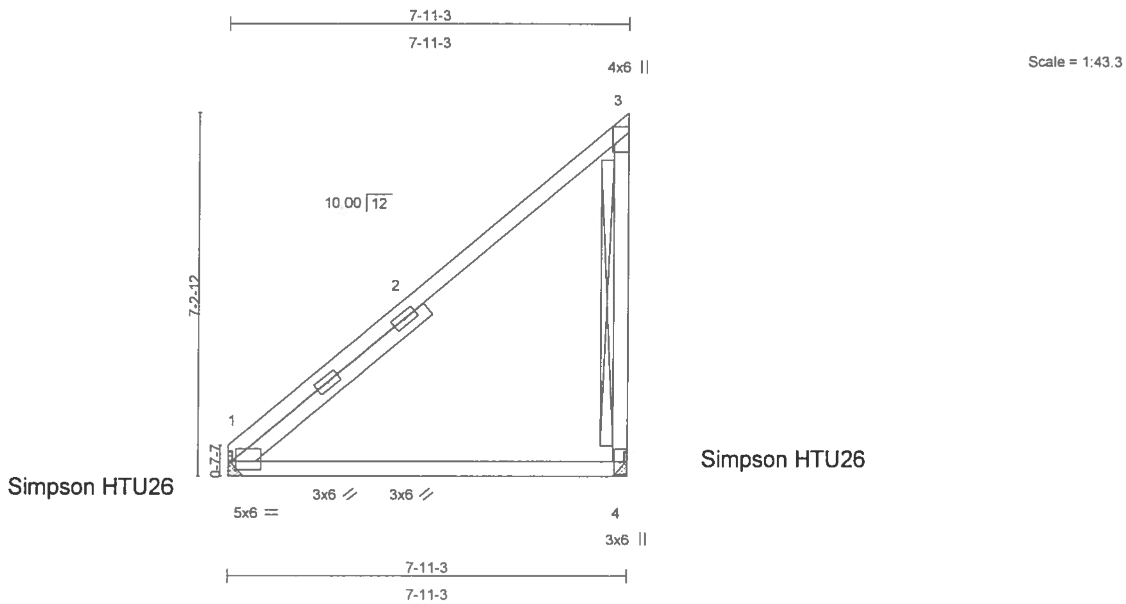

Plate Offsets (X,Y): [1:0-1-0,0-2-0], [3:0-4-2,Edge]

LOADING (psf)		SPACING	2-2-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.85	Vert(LL)	0.12	1-4	>795	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.39	Vert(TL)	-0.15	1-4	>594	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.00	Horz(TL)	-0.00	4	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 45 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3
SLIDER Left 2 X 4 SYP No.3 4-11-3

BRACING
TOP CHORD 2-0-0 oc purlins (6-0-0 max.), except end verticals
(Switched from sheeted: Spacing > 2-0-0).
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 3-4
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.
JOINTS 1 Brace at Jt(s): 3

REACTIONS (lb/size) 1=265/Mechanical, 4=265/Mechanical
Max Horz 1=235(load case 6)
Max Uplift 4=-178(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-211/0, 2-3=-152/85, 3-4=-192/271
BOT CHORD 1-4=-58/48

JOINT STRESS INDEX
1 = 0.84, 1 = 0.04, 1 = 0.06, 2 = 0.00, 3 = 0.62 and 4 = 0.36

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Continued on page 2

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / LOT 138 THE PRESERVES J1916306
L262253	T43	MONO TRUSS	1	1	Job Reference (optional)

NOTES

1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; 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) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 178 lb uplift at joint 4.

LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida PE No. 34863
1106 Coastal Bay Blvd
Ocean Isle Beach, NC 28469

December 12,2007

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / LOT 138 THE PRESERVES J1916307
L262253	T43A	HIP	1	1	Job Reference (optional)

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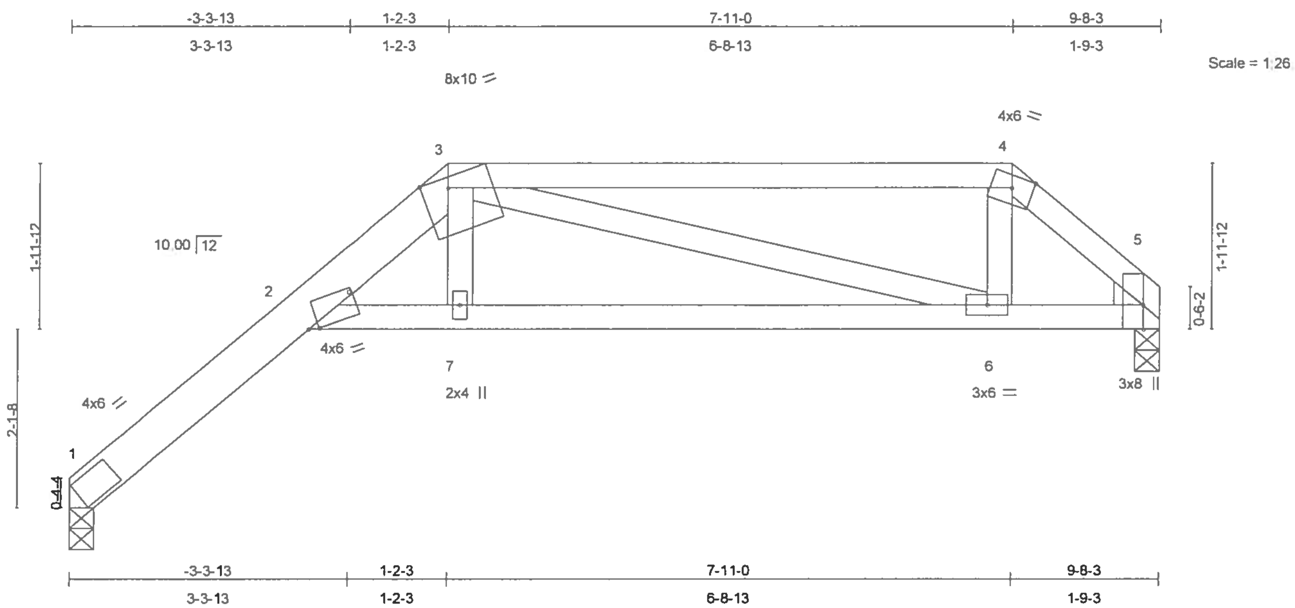

Plate Offsets (X,Y): [2:0-7-14,0-0-7], [2:0-1-9,0-0-5], [3:0-3-13,Edge], [5:0-3-8,Edge]

LOADING (psf)		**SPACING**	2-0-0	**CSI**		**DEFL**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	20.0	Plates Increase	1.25	TC	0.55	Vert(LL)	0.16	2-7	>953	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.49	Vert(TL)	-0.20	2-7	>752	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.35	Horz(TL)	0.17	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 57 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2 *Except*
1-3 2 X 6 SYP No.1D
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3
WEDGE
Right: 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 8-3-12 oc bracing.

REACTIONS (lb/size) 1=413/0-3-8, 5=407/0-3-8
Max Horz 1=102(load case 5)
Max Uplift 1=-97(load case 6), 5=-104(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-242/89, 2-3=-863/570, 3-4=-464/356, 4-5=-595/377
BOT CHORD 2-7=-581/870, 6-7=-584/884, 5-6=-277/451
WEBS 3-7=-32/255, 3-6=-452/314, 4-6=-17/235

JOINT STRESS INDEX
2 = 0.90, 2 = 0.00, 3 = 0.26, 4 = 0.67, 5 = 0.32, 5 = 0.00, 6 = 0.15 and 7 = 0.18

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS 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.

Continued on page 2

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Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / LOT 138 THE PRESERVES J1916307
L262253	T43A	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) Bearing at joint(s) 1 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 97 lb uplift at joint 1 and 104 lb uplift at joint 5.

LOAD CASE(S) Standard

[illegible]

December 12,2007

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / LOT 138 THE PRESERVES J1916308
L262253	T44	COMMON	3	1	Job Reference (optional)

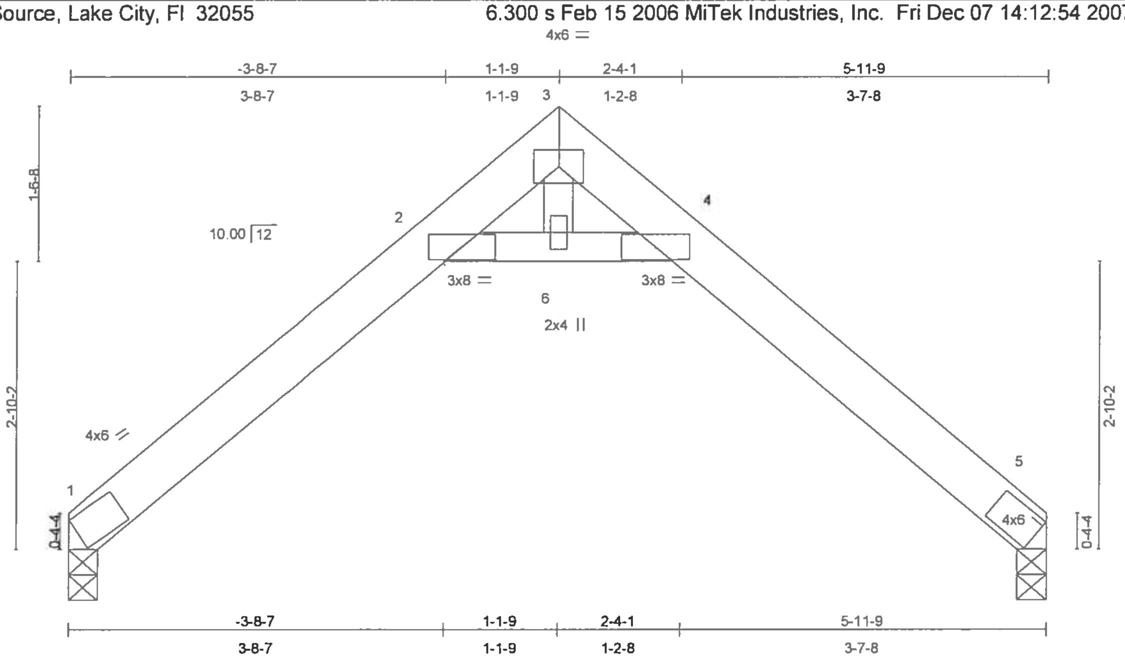


Plate Offsets (X,Y): [2:0-6-2,0-0-4], [2:0-0-3,0-0-5], [2:0-0-4,0-0-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.43	Vert(LL)	-0.15	6	>759	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.46	Vert(TL)	-0.29	6	>386	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.10	Horz(TL)	0.46	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 35 lb	

LUMBER
TOP CHORD 2 X 6 SYP No.1D
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-4-1 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=310/0-3-8, 5=310/0-3-8
Max Horz 1=109(load case 5)
Max Uplift 1=-54(load case 6), 5=-54(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-177/134, 2-3=-779/222, 3-4=-779/222, 4-5=-177/134
BOT CHORD 2-6=-101/869, 4-6=-101/869
WEBS 3-6=-77/323

JOINT STRESS INDEX
2 = 0.70, 2 = 0.00, 2 = 0.00, 3 = 0.47, 4 = 0.70 and 6 = 0.23

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS 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

Continued on page 2

December 12,2007

NOTES

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.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 54 lb uplift at joint 1 and 54 lb uplift at joint 5.

LOAD CASE(S) Standard

December 12,2007

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / LOT 138 THE PRESERVES J1916309
L262253	T44G	COMMON	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Apr 19 2006 MiTek Industries, Inc. Mon Dec 10 11:43:30 2007 Page 1

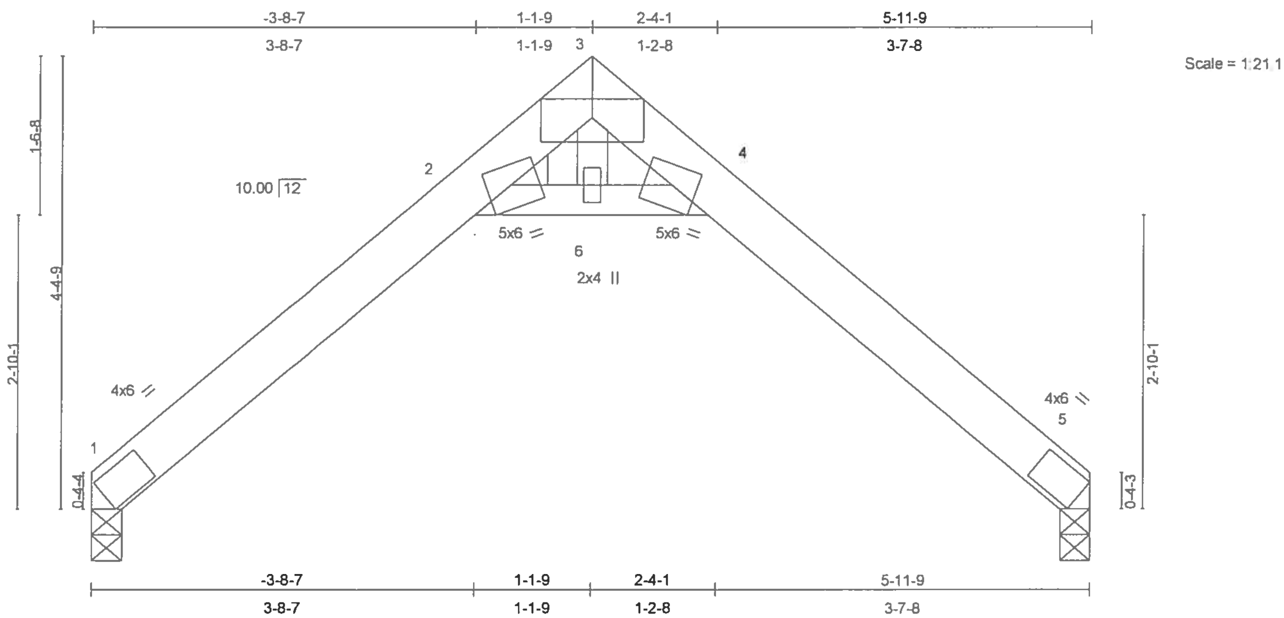


Plate Offsets (X,Y): [2:0-2-5,Edge], [3:0-1-12,1-7-1], [3:1-7-1,0-1-12], [4:0-2-5,Edge]

LOADING (psf)		SPACING		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.74	Vert(LL)	0.23	6	>482	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.69	Vert(TL)	-0.44	6	>257	240	MT20H	187/143
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.15	Horz(TL)	0.68	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 35 lb	

LUMBER
TOP CHORD 2 X 6 SYP No.1D
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3
WEDGE
Left: 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-4-1 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=464/0-3-8, 5=464/0-3-8
Max Horz 1=-136(load case 4)
Max Uplift 1=-192(load case 6), 5=-192(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-266/157, 2-3=-1173/440, 3-4=-1173/440, 4-5=-266/157
BOT CHORD 2-6=-344/1306, 4-6=-344/1306
WEBS 3-6=-166/480

JOINT STRESS INDEX
2 = 0.86, 3 = 1.00, 3 = 0.00, 3 = 0.00, 4 = 0.85 and 6 = 0.35

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) *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 bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi

December 12,2007

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / LOT 138 THE PRESERVES J1916309
L262253	T44G	COMMON	1	1	Job Reference (optional)

NOTES

6) 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.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 192 lb uplift at joint 1 and 192 lb uplift at joint 5.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
9) Truss designed for wind loads in plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail".

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-2=-100(F=-33), 2-3=-87(F=-33), 3-4=-87(F=-33), 4-5=-100(F=-33), 2-4=-10

[illegible]

December 12,2007

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / LOT 138 THE PRESERVES J1916255A
L262253	PB1_ALT	PIGGYBACK	10	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Apr 19 2006 MiTek Industries, Inc. Tue Dec 11 15:02:44 2007 Page 1

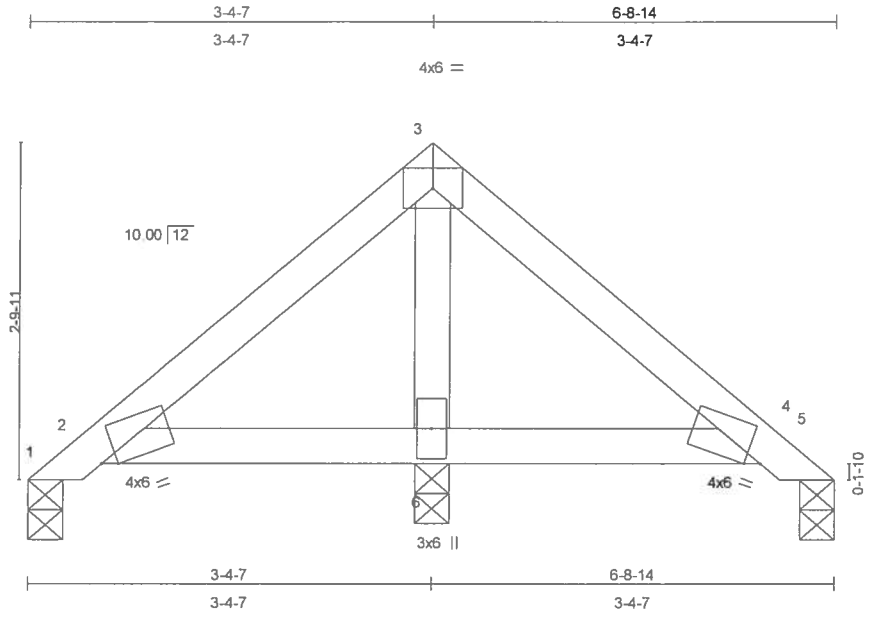


Plate Offsets (X,Y): [2:0-1-9,Edge], [4:0-1-9,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.08	Vert(LL)	-0.00	2-6	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.07	Vert(TL)	-0.01	4-6	>999	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.05	Horz(TL)	0.00	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 24 lb	

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

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

REACTIONS (lb/size) 1=42/0-3-8, 6=330/0-3-8, 5=42/0-3-8
Max Horz 1=-75(load case 4)
Max Uplift 1=-9(load case 7), 6=-81(load case 6), 5=-22(load case 4)
Max Grav 1=61(load case 10), 6=330(load case 1), 5=61(load case 11)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-67/69, 2-3=-49/128, 3-4=-49/128, 4-5=-34/17
BOT CHORD 2-6=-55/103, 4-6=-55/103
WEBS 3-6=-265/182

JOINT STRESS INDEX
2 = 0.16, 3 = 0.17, 4 = 0.16 and 6 = 0.06

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS 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.

[illegible]
December 12,2007

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / LOT 138 THE PRESERVES J1916255A
L262253	PB1_ALT	PIGGYBACK	10	1	Job Reference (optional)

NOTES

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 9 lb uplift at joint 1, 81 lb uplift at joint 6 and 22 lb uplift at joint 5.

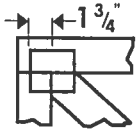
7) SEE MiTek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS

LOAD CASE(S) Standard

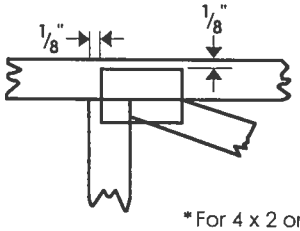
December 12,2007

Symbols

PLATE LOCATION AND ORIENTATION



*Center plate on joint unless dimensions indicate otherwise. Dimensions are in inches. Apply plates to both sides of truss and securely seat.



*For 4 x 2 orientation, locate plates 1/8" from outside edge of truss and vertical web.

*This symbol indicates the required direction of slots in connector plates.

PLATE SIZE

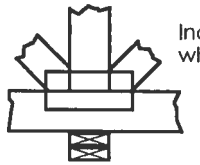
4 x 4

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

LATERAL BRACING

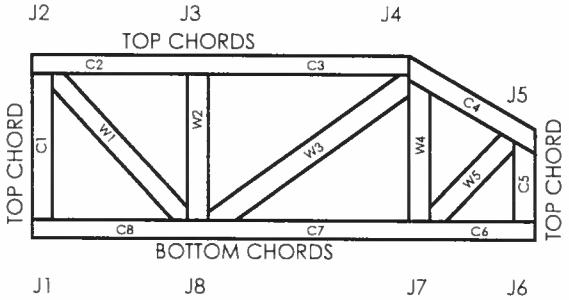
Indicates location of required continuous lateral bracing.

BEARING



Indicates location of joints at which bearings (supports) occur.

Numbering System



JOINTS AND CHORDS ARE NUMBERED CLOCKWISE AROUND THE TRUSS STARTING AT THE LOWEST JOINT FARTHEST TO THE LEFT.

WEBS ARE NUMBERED FROM LEFT TO RIGHT

CONNECTOR PLATE CODE APPROVALS

BOCA	96-31, 96-67
ICBO	3907, 4922
SBCCI	9667, 9432A
WISC/DILHR	960022-W, 970036-N
NER	561

MiTek

TEE-LOK

MiTek Engineering Reference Sheet: MII-7473

General Safety Notes

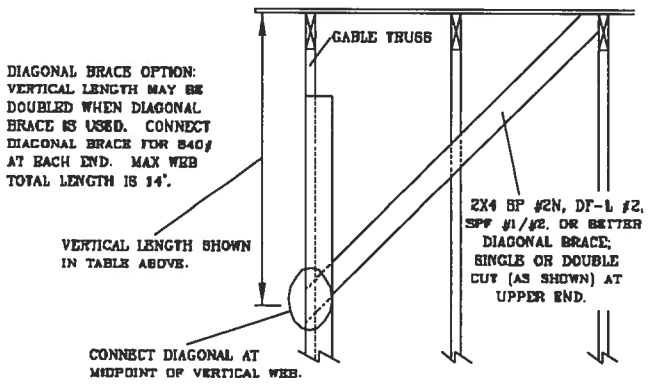
Failure to Follow Could Cause Property Damage or Personal Injury

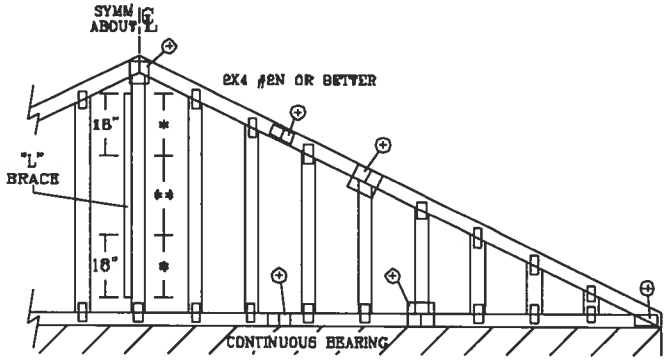
1. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
2. Cut members to bear tightly against each other.
3. Place plates on each face of truss at each joint and embed fully. Avoid knots and wane at joint locations.
4. Unless otherwise noted, locate chord splices at ¼ panel length (± 6" from adjacent joint.)
5. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
6. Unless expressly noted, this design is not applicable for use with fire retardant or preservative treated lumber.
7. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
8. Plate type, size and location dimensions shown indicate minimum plating requirements.
9. Lumber shall be of the species and size, and in all respects, equal to or better than the grade specified.
10. Top chords must be sheathed or purlins provided at spacing shown on design.
11. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
12. Anchorage and / or load transferring connections to trusses are the responsibility of others unless shown.
13. Do not overload roof or floor trusses with stacks of construction materials.
14. Do not cut or alter truss member or plate without prior approval of a professional engineer.
15. Care should be exercised in handling, erection and installation of trusses.

ASCE 7-02: 130 MPH WIND SPEED, 15' MEAN HEIGHT, ENCLOSED, I = 1.00, EXPOSURE C

MAX GABLE VERTICAL LENGTH

2X4 GABLE VERTICAL SPACING	SPECIES	BRACE GRADE	NO BRACES	(1) 1X4 "L" BRACE * GROUP A	(1) 1X4 "L" BRACE * GROUP B	(1) 2X4 "L" BRACE * GROUP A	(1) 2X4 "L" BRACE * GROUP B	(2) 2X4 "L" BRACE ** GROUP A	(2) 2X4 "L" BRACE ** GROUP B	(1) 2X6 "L" BRACE * GROUP A	(1) 2X6 "L" BRACE * GROUP B	(2) 2X6 "L" BRACE ** GROUP A	(2) 2X6 "L" BRACE ** GROUP B
24" O.C.	SPF HF	#1 / #2	3' 4"	6' 10"	6' 0"	6' 11"	7' 1"	8' 3"	8' 5"	10' 10"	11' 2"	12' 11"	13' 3"
		#3	3' 3"	4' 11"	4' 11"	6' 6"	6' 6"	8' 3"	8' 3"	10' 1"	10' 1"	12' 11"	12' 11"
		STUD	3' 3"	4' 11"	4' 11"	6' 5"	6' 5"	8' 3"	8' 3"	10' 0"	10' 0"	12' 11"	12' 11"
		STANDARD	3' 3"	4' 2"	4' 2"	5' 6"	5' 6"	7' 5"	7' 5"	8' 8"	8' 8"	11' 8"	11' 8"
	SP DFL	#1	3' 8"	5' 10"	6' 3"	6' 11"	7' 5"	8' 3"	8' 11"	10' 10"	11' 8"	12' 11"	13' 11"
		#2	3' 7"	5' 10"	6' 3"	6' 11"	7' 5"	8' 3"	8' 11"	10' 10"	11' 8"	12' 11"	13' 11"
		#3	3' 6"	5' 0"	6' 0"	6' 8"	6' 8"	8' 3"	8' 8"	10' 4"	10' 4"	12' 11"	13' 7"
		STUD	3' 6"	5' 0"	5' 0"	6' 7"	6' 7"	8' 3"	8' 8"	10' 3"	10' 3"	12' 11"	13' 7"
		STANDARD	3' 4"	4' 3"	4' 3"	5' 8"	5' 8"	7' 8"	7' 8"	8' 10"	8' 10"	12' 0"	12' 0"
16" O.C.	SPF HF	#1 / #2	3' 10"	6' 8"	6' 10"	7' 11"	8' 1"	9' 6"	9' 8"	12' 6"	12' 9"	14' 0"	14' 0"
		#3	3' 9"	6' 0"	6' 0"	7' 11"	7' 11"	9' 5"	9' 5"	12' 4"	12' 4"	14' 0"	14' 0"
		STUD	3' 9"	6' 0"	6' 0"	7' 11"	7' 11"	9' 5"	9' 5"	12' 4"	12' 4"	14' 0"	14' 0"
		STANDARD	3' 9"	5' 2"	5' 2"	6' 10"	6' 10"	9' 2"	9' 2"	10' 7"	10' 7"	14' 0"	14' 0"
	SP DFL	#1	4' 3"	6' 8"	7' 2"	7' 11"	8' 6"	9' 5"	10' 2"	12' 5"	13' 5"	14' 0"	14' 0"
		#2	4' 2"	6' 8"	7' 2"	7' 11"	8' 6"	9' 5"	10' 2"	12' 5"	13' 5"	14' 0"	14' 0"
		#3	4' 0"	6' 2"	6' 2"	7' 11"	8' 2"	9' 6"	9' 11"	12' 6"	12' 8"	14' 0"	14' 0"
		STUD	4' 0"	6' 1"	6' 1"	7' 11"	8' 1"	9' 5"	9' 11"	12' 5"	12' 5"	14' 0"	14' 0"
		STANDARD	3' 10"	5' 3"	5' 3"	6' 11"	6' 11"	9' 4"	9' 4"	10' 10"	10' 10"	14' 0"	14' 0"
12" O.C.	SPF HF	#1 / #2	4' 3"	7' 4"	7' 7"	8' 9"	8' 11"	10' 6"	10' 8"	13' 8"	14' 0"	14' 0"	14' 0"
		#3	4' 2"	6' 11"	6' 11"	8' 9"	8' 9"	10' 5"	10' 5"	13' 8"	13' 8"	14' 0"	14' 0"
		STUD	4' 2"	6' 11"	6' 11"	8' 9"	8' 9"	10' 5"	10' 5"	13' 8"	13' 8"	14' 0"	14' 0"
		STANDARD	4' 2"	5' 11"	5' 11"	7' 10"	7' 10"	10' 5"	10' 5"	12' 3"	12' 3"	14' 0"	14' 0"
	SP DFL	#1	4' 8"	7' 4"	7' 11"	8' 9"	8' 5"	10' 5"	11' 2"	13' 8"	14' 0"	14' 0"	14' 0"
		#2	4' 7"	7' 4"	7' 11"	8' 9"	8' 5"	10' 6"	11' 2"	13' 8"	14' 0"	14' 0"	14' 0"
		#3	4' 4"	7' 2"	7' 2"	8' 9"	8' 2"	10' 5"	10' 11"	13' 8"	14' 0"	14' 0"	14' 0"
		STUD	4' 4"	7' 1"	7' 1"	8' 9"	8' 2"	10' 6"	10' 11"	13' 8"	14' 0"	14' 0"	14' 0"
		STANDARD	4' 3"	6' 1"	6' 1"	8' 0"	8' 0"	10' 5"	10' 8"	12' 6"	12' 6"	14' 0"	14' 0"





REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.

BRACING GROUP SPECIES AND GRADES:

GROUP A:

SPRUCE-PINE-FIR	
#1 / #2	STANDARD
#3	STUD

HEM-FIR	
#2	STUD
#3	STANDARD

DOUGLAS FIR-LARCH
#3
STUD
STANDARD

SOUTHERN PINE
#3
STUD
STANDARD

GROUP B:

HEM-FIR
#1 & BTR
#1

SOUTHERN PINE
#2
#2

DOUGLAS FIR-LARCH
#1
#2

GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

PROVIDE UPLIFT CONNECTIONS FOR 136 PLF OVER CONTINUOUS BEARING (5 PSF TC DEAD LOAD).

GABLE END SUPPORTS LOAD FROM 4' 0" OUTLOOKERS WITH 2' 0" OVERHANG, OR 12" PLYWOOD OVERHANG.

ATTACH EACH "L" BRACE WITH 10d NAILS.
* FOR (1) "L" BRACE: SPACE NAILS AT 2" O.C. IN 18" END ZONES AND 4" O.C. BETWEEN ZONES.
** FOR (2) "L" BRACES: SPACE NAILS AT 3" O.C. IN 18" END ZONES AND 6" O.C. BETWEEN ZONES.

"L" BRACING MUST BE A MINIMUM OF 80% OF WEB MEMBER LENGTH.

GABLE VERTICAL PLATE SIZES

VERTICAL LENGTH	NO SPLICE
LESS THAN 4' 0"	1X4 OR 2X3
GREATER THAN 4' 0", BUT LESS THAN 11' 6"	2X4
GREATER THAN 11' 6"	2.5X4

+ REFER TO COMMON TRUSS DESIGN FOR PEAK, SPLICE, AND HEEL PLATES.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI. 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

JULIUS LEE'S
CONS. ENGINEERS P.A.
1455 SW 4th AVENUE
DELRAY BEACH, FL 33444-2161
No: 34869
STATE OF FLORIDA

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

REF	ASCE7-02-GAB13015
DATE	11/26/03
DRWG	MITEK STD GABLE 15 E HT
-ENG	

ASCE 7-02: 130 MPH WIND SPEED, 30' MEAN HEIGHT, ENCLOSED, I = 1.00, EXPOSURE C

MAX GABLE VERTICAL LENGTH

2X4 GABLE VERTICAL SPACING	SPECIES	BRACE GRADE	NO BRACES	(1) 1X4 "L" BRACE *		(1) 2X4 "L" BRACE *		(2) 2X4 "L" BRACE **		(1) 2X6 "L" BRACE *		(2) 2X6 "L" BRACE **	
				GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B
24" O.C.	SPF HF	#1 / #2	3' 2"	5' 6"	6' 6"	6' 6"	6' 9"	7' 10"	8' 0"	10' 3"	10' 7"	12' 3"	12' 7"
		#3	3' 1"	4' 5"	4' 5"	5' 10"	5' 10"	7' 10"	7' 10"	9' 1"	9' 1"	12' 3"	12' 3"
		STUD	3' 1"	4' 5"	4' 5"	5' 10"	5' 10"	7' 10"	7' 10"	9' 1"	9' 1"	12' 3"	12' 3"
		STANDARD	2' 11"	3' 9"	3' 9"	5' 0"	5' 0"	6' 9"	6' 9"	7' 10"	7' 10"	10' 7"	10' 7"
	SP DFL	#1	3' 6"	5' 8"	5' 11"	6' 8"	7' 0"	7' 10"	8' 5"	10' 3"	11' 1"	12' 3"	13' 2"
		#2	3' 5"	5' 6"	5' 11"	6' 6"	7' 0"	7' 10"	8' 5"	10' 3"	11' 1"	12' 3"	13' 2"
		#3	3' 3"	4' 6"	4' 6"	6' 0"	6' 0"	7' 10"	8' 1"	9' 4"	9' 4"	12' 3"	12' 6"
		STUD	3' 3"	4' 8"	4' 8"	5' 11"	5' 11"	7' 10"	8' 0"	9' 3"	9' 3"	12' 3"	12' 8"
		STANDARD	3' 0"	3' 10"	3' 10"	5' 1"	5' 1"	6' 11"	6' 11"	8' 0"	8' 0"	10' 10"	10' 10"
16" O.C.	SPF HF	#1 / #2	3' 8"	6' 4"	6' 6"	7' 6"	7' 8"	8' 11"	9' 2"	11' 9"	12' 1"	14' 0"	14' 0"
		#3	3' 7"	5' 5"	5' 5"	7' 2"	7' 2"	8' 11"	8' 11"	11' 2"	11' 2"	14' 0"	14' 0"
		STUD	3' 7"	5' 6"	6' 5"	7' 2"	7' 2"	8' 11"	8' 11"	11' 1"	11' 1"	14' 0"	14' 0"
		STANDARD	3' 7"	4' 8"	4' 8"	6' 2"	6' 2"	8' 3"	8' 3"	9' 7"	9' 7"	12' 11"	12' 11"
	SP DFL	#1	4' 0"	6' 4"	6' 10"	7' 6"	8' 1"	8' 11"	8' 7"	11' 9"	12' 8"	14' 0"	14' 0"
		#2	3' 11"	6' 4"	6' 10"	7' 6"	8' 1"	8' 11"	9' 7"	11' 9"	12' 8"	14' 0"	14' 0"
		#3	3' 9"	5' 7"	6' 7"	7' 4"	7' 4"	8' 11"	8' 6"	11' 5"	11' 6"	14' 0"	14' 0"
		STUD	3' 8"	5' 6"	5' 6"	7' 3"	7' 3"	8' 11"	8' 5"	11' 4"	11' 4"	14' 0"	14' 0"
		STANDARD	3' 8"	4' 9"	4' 9"	6' 3"	6' 3"	8' 5"	8' 5"	9' 9"	9' 9"	13' 3"	13' 3"
12" O.C.	SPF HF	#1 / #2	4' 0"	6' 11"	7' 2"	8' 3"	8' 6"	9' 10"	10' 1"	12' 11"	13' 4"	14' 0"	14' 0"
		#3	3' 11"	6' 3"	6' 3"	8' 3"	8' 3"	9' 10"	9' 10"	12' 11"	12' 11"	14' 0"	14' 0"
		STUD	3' 11"	6' 3"	6' 3"	8' 3"	8' 3"	9' 10"	9' 10"	12' 10"	12' 10"	14' 0"	14' 0"
		STANDARD	3' 11"	5' 4"	5' 4"	7' 1"	7' 1"	9' 6"	9' 6"	11' 1"	11' 1"	14' 0"	14' 0"
	SP DFL	#1	4' 5"	6' 11"	7' 5"	8' 3"	8' 11"	9' 10"	10' 7"	12' 11"	13' 11"	14' 0"	14' 0"
		#2	4' 4"	6' 11"	7' 5"	8' 3"	8' 11"	9' 10"	10' 7"	12' 11"	13' 11"	14' 0"	14' 0"
		#3	4' 2"	6' 5"	6' 5"	8' 3"	8' 6"	9' 10"	10' 4"	12' 11"	13' 3"	14' 0"	14' 0"
		STUD	4' 2"	6' 4"	6' 4"	8' 3"	8' 5"	9' 10"	10' 4"	12' 11"	13' 1"	14' 0"	14' 0"
		STANDARD	4' 0"	5' 6"	5' 6"	7' 3"	7' 3"	9' 9"	9' 9"	11' 4"	11' 4"	14' 0"	14' 0"

BRACING GROUP SPECIES AND GRADES:

GROUP A:

SPRUCE-PINE-FIR	
#1 / #2	STANDARD
#3	STUD

HEM-FIR	
#2	STUD
#3	STANDARD

DOUGLAS FIR-LARCH
#3
STUD
STANDARD

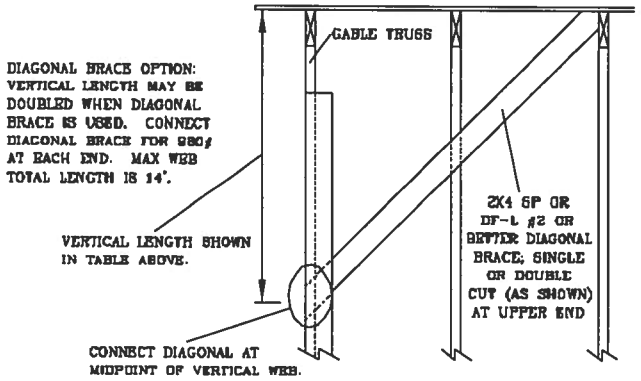
SOUTHERN PINE
#3
STUD
STANDARD

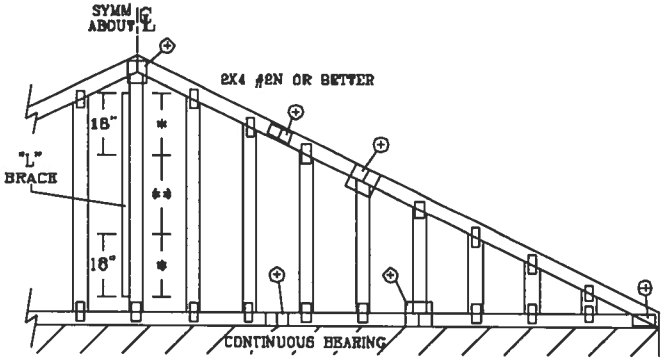
GROUP B:

HEM-FIR
#1 & BTR
#1

SOUTHERN PINE
#3
#2

DOUGLAS FIR-LARCH
#1
#2





REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.

GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

PROVIDE UPLIFT CONNECTIONS FOR 180 PLF OVER CONTINUOUS BEARING (6 PSF TC DEAD LOAD).

GABLE END SUPPORTS LOAD FROM 4' 0" OUTLOOKERS WITH 2' 0" OVERHANG, OR 12" PLYWOOD OVERHANG.

ATTACH EACH "L" BRACE WITH 10d NAILS.
* FOR (1) "L" BRACE: SPACE NAILS AT 2" O.C. IN 18" END ZONES AND 4" O.C. BETWEEN ZONES.
** FOR (2) "L" BRACES: SPACE NAILS AT 3" O.C. IN 18" END ZONES AND 6" O.C. BETWEEN ZONES.

"L" BRACING MUST BE A MINIMUM OF 80% OF WEB MEMBER LENGTH.

GABLE VERTICAL PLATE SIZES

VERTICAL LENGTH	NO SPLICE
LESS THAN 4' 0"	1X4 OR 2X3
GREATER THAN 4' 0", BUT LESS THAN 11' 6"	2X4
GREATER THAN 11' 6"	2.5X4

+ REFER TO COMMON TRUSS DESIGN FOR PEAK, SPLICE, AND HEEL PLATES.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI. 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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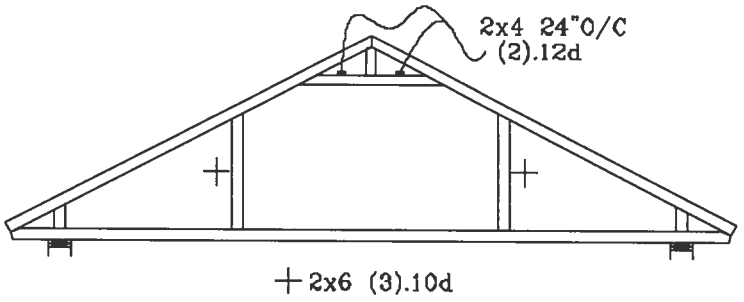
No: 34869
STATE OF FLORIDA

MAX. TOT. LD. 60 PSF

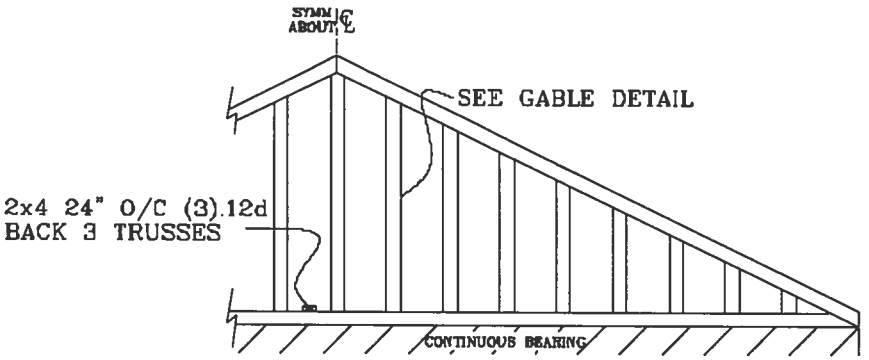
MAX. SPACING 24.0"

REF ASCE7-02-GAB13030
DATE 11/26/03
DWG MITEK STD GABLE 90' E W7
-ENG

TYPICAL ATTIC TRUSS BRACING

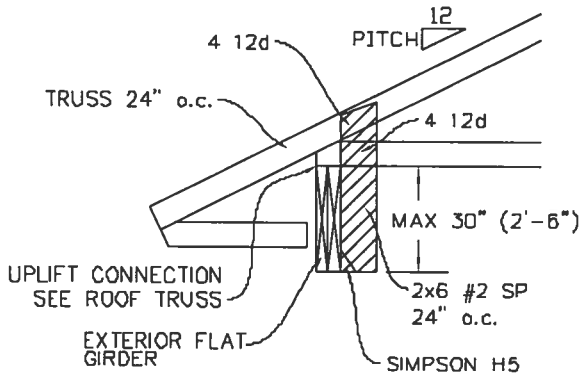


GABLE END TRUSS DETAIL

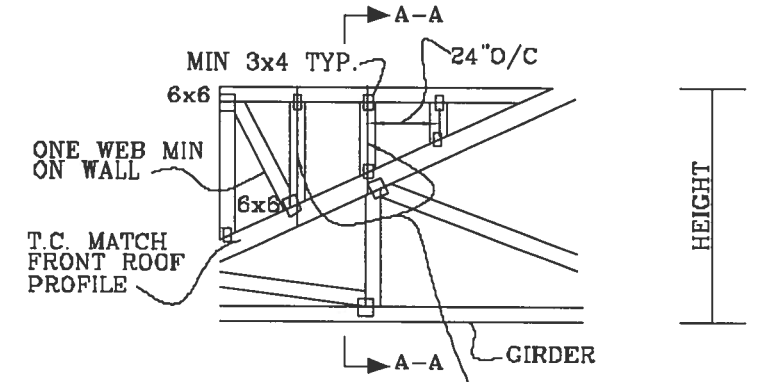


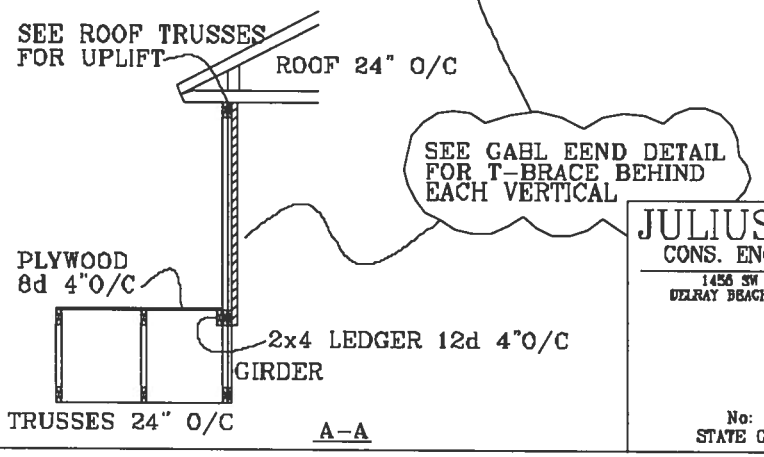
MINIMUM BC BRACING ON GABLE TRUSS. OTHER PERMANENT BRACING DESIGNS BY ARCHITECT OR EOR

TYPICAL ALTERNATE BRACING DETAIL FOR EXTERIOR FLAT GIRDER TRUSS



TYPICAL WALL GIRDER VERTICAL WEB BRACING DETAIL





A-A

JULIUS LEE'S
CONS. ENGINEERS P.A.
1456 SW 4th AVENUE
DELRAY BEACH, FL 33444-2161

No: 34869
STATE OF FLORIDA

PIGGYBACK DETAIL

TOP CHORD 2X4 #2 OR BETTER
BOT CHORD 2X4 #2 OR BETTER
WEBS 2X4 #3 OR BETTER

REFER TO SEALED DESIGN FOR DASHED PLATES.

SPACE PIGGYBACK VERTICALS AT 4' OC MAX.

TOP AND BOTTOM CHORD SPLICES MUST BE STAGGERED SO THAT ONE SPLICE IS NOT DIRECTLY OVER ANOTHER.

PIGGYBACK BOTTOM CHORD MAY BE OMITTED. ATTACH VERTICAL WEBS TO TRUSS TOP CHORD WITH 1.5X3 PLATE.

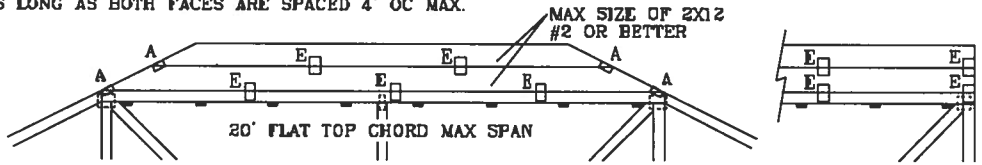
ATTACH PURLINS TO TOP OF FLAT TOP CHORD. IF PIGGYBACK IS SOLID LUMBER OR THE BOTTOM CHORD IS OMITTED, PURLINS MAY BE APPLIED BENEATH THE TOP CHORD OF SUPPORTING TRUSS.

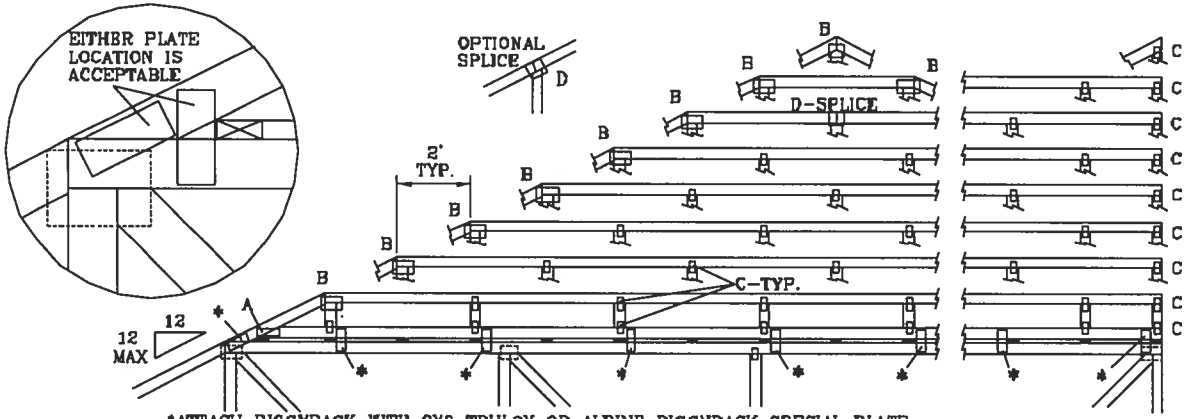
REFER TO ENGINEER'S SEALED DESIGN FOR REQUIRED PURLIN SPACING.

THIS DETAIL IS APPLICABLE FOR THE FOLLOWING WIND CONDITIONS:

- 110 MPH WIND, 30' MEAN HGT, ASCE 7-02, CLOSED BLDG, LOCATED ANYWHERE IN ROOF, 1 MI FROM COAST CAT I, EXP C, WIND TC DL=5 PSF, WIND BC DL=5 PSF
- 110 MPH WIND, 30' MEAN HGT, FBC ENCLOSED BLDG, LOCATED ANYWHERE IN ROOF WIND TC DL=5 PSF, WIND BC DL=5 PSF
- 130 MPH WIND, 30' MEAN HGT, ASCE 7-02, CLOSED BLDG, LOCATED ANYWHERE IN ROOF, CAT II, EXP. C, WIND TC DL=6 PSF, WIND BC DL=6 PSF

FRONT FACE (E,*) PLATES MAY BE OFFSET FROM BACK FACE PLATES AS LONG AS BOTH FACES ARE SPACED 4' OC MAX.





*ATTACH PIGGYBACK WITH 3X8 TRULOX OR ALPINE PIGGYBACK SPECIAL PLATE.

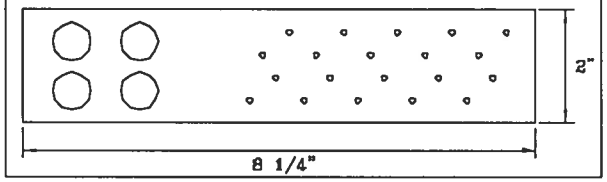
JOINT TYPE	SPANS UP TO			
	30'	34'	38'	52'
A	2X4	2.5X4	2.5X4	3X5
B	4X6	5X6	5X6	5X6
C	1.5X3	1.5X4	1.5X4	1.5X4
D	5X4	5X5	5X5	5X6
E	4X6 OR 3X6 TRULOX AT 4' OC, ROTATED VERTICALLY			

ATTACH TRULOX PLATES WITH (8) 0.120" X 1.375" NAILS, OR EQUAL, PER FACE PER PLY. (4) NAILS IN EACH MEMBER TO BE CONNECTED. REFER TO DRAWING 160 TL FOR TRULOX INFORMATION.

WEB BRACING CHART	
WEB LENGTH	REQUIRED BRACING
0' TO 7'9"	NO BRACING
7'9" TO 10'	1x4 "T" BRACE. SAME GRADE, SPECIES AS WEB MEMBER, OR BETTER, AND 80% LENGTH OF WEB MEMBER. ATTACH WITH 8d NAILS AT 4" OC.
10' TO 14'	2x4 "T" BRACE. SAME GRADE, SPECIES AS WEB MEMBER, OR BETTER, AND 80% LENGTH OF WEB MEMBER. ATTACH WITH 16d NAILS AT 4" OC.

* PIGGYBACK SPECIAL PLATE

ATTACH TEETH TO THE PIGGYBACK AT THE TIME OF FABRICATION. ATTACH TO SUPPORTING TRUSS WITH (4) 0.120" X 1.375" NAILS PER FACE PER PLY. APPLY PIGGYBACK SPECIAL PLATE TO EACH TRUSS FACE AND SPACE 4' OC OR LESS.



THIS DRAWING REPLACES DRAWINGS 634,016 634,017 & 847,045

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI. 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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No: 34869
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MAX LOADING

55 PSF AT 1.33 DUR. FAC.

50 PSF AT 1.25 DUR. FAC.

47 PSF AT 1.15 DUR. FAC.

SPACING 24.0"

REF PIGGYBACK
DATE 09/12/07
DRWG MITEK STD PIGGY
-ENG JL

VALLEY TRUSS DETAIL

TOP CHORD 2X4 SP #2 OR SPF #1/#2 OR BETTER.
BOT CHORD 2X3(*) OR 2X4 SP #2N OR SPF #1/#2 OR BETTER.
WEBS 2X4 SP #3 OR BETTER.

* 2X3 MAY BE RIPPED FROM A 2X6 (PITCHED OR SQUARE).

** ATTACH EACH VALLEY TO EVERY SUPPORTING TRUSS WITH: (2) 16d BOX (0.135" X 3.5") NAILS TOE-NAILED FOR FBC 2004 110 MPH, ASCE 7-02 110 MPH WIND OR (3) 16d FOR ASCE 7-02 130 MPH WIND. 15' MEAN HEIGHT, ENCLOSED BUILDING, EXP. C, RESIDENTIAL, WIND TC DL=5 PSF.

UNLESS SPECIFIED ON ENGINEER'S SEALED DESIGN, APPLY 1X4 "T"-BRACE, 80% LENGTH OF WEB, VALLEY WEB, SAME SPECIES AND GRADE OR BETTER, ATTACHED WITH 8d BOX (0.113" X 2.5") NAILS AT 6" OC, OR CONTINUOUS LATERAL BRACING, EQUALLY SPACED, FOR VERTICAL VALLEY WEBS GREATER THAN 7'9".

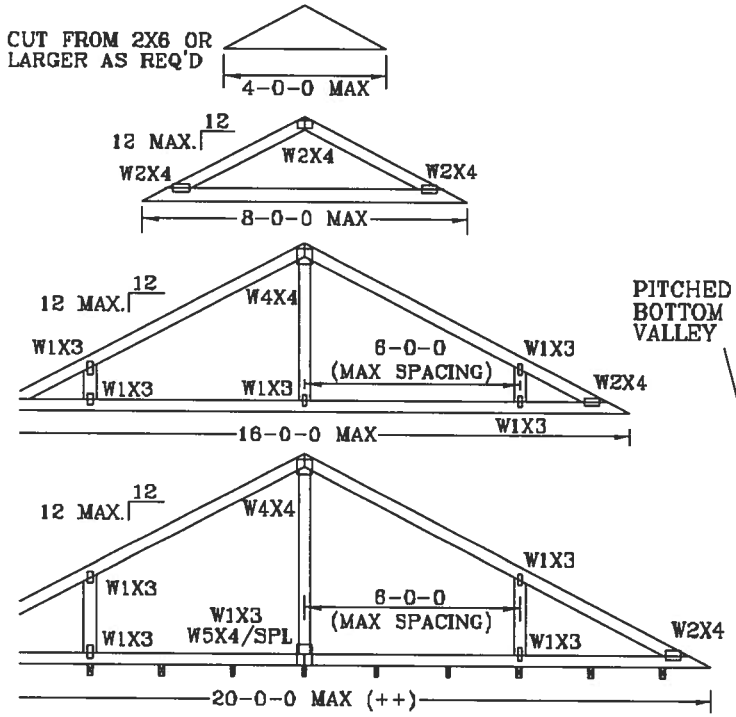
MAXIMUM VALLEY VERTICAL HEIGHT MAY NOT EXCEED 12'0".

TOP CHORD OF TRUSS BENEATH VALLEY SET MUST BE BRACED WITH:
PROPERLY ATTACHED, RATED SHEATHING APPLIED PRIOR TO VALLEY TRUSS INSTALLATION
OR
PURLINS AT 24" OC OR AS OTHERWISE SPECIFIED ON ENGINEERS' SEALED DESIGN
OR
BY VALLEY TRUSSES USED IN LIEU OF PURLIN SPACING AS SPECIFIED ON ENGINEERS' SEALED DESIGN.

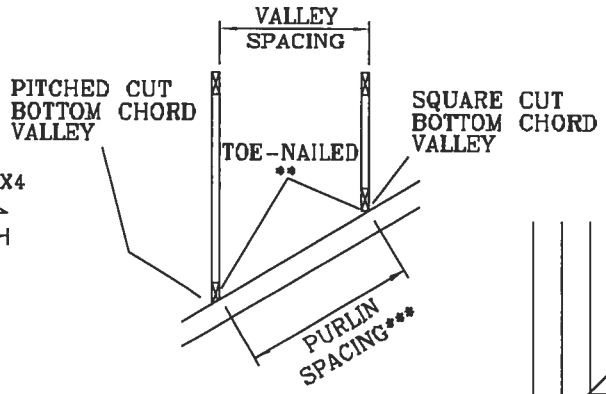
*** NOTE THAT THE PURLIN SPACING FOR BRACING THE TOP CHORD OF THE TRUSS BENEATH THE VALLEY IS MEASURED ALONG THE SLOPE OF THE TOP CHORD.

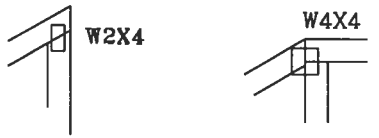
++ LARGER SPANS MAY BE BUILT AS LONG AS THE VERTICAL HEIGHT DOES NOT EXCEED 12'0".

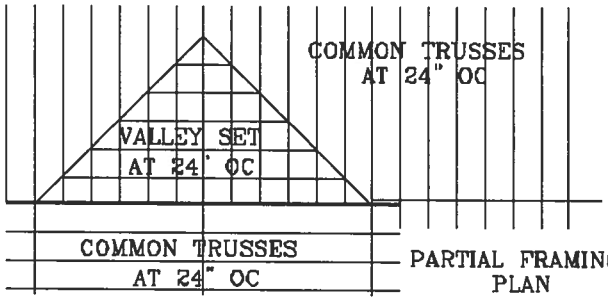
BOTTOM CHORD MAY BE SQUARE OR PITCHED CUT AS SHOWN.



SUPPORTING TRUSSES AT 24" OC MAXIMUM SPACING.







THIS DRAWING REPLACES DRAWING A105

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI. 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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No: 34869
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TC LL	20	20	PSF	REF VALLEY DETAIL
TC DL	7	15	PSF	DATE 11/26/03
BC DL	5	5	PSF	DRWG VALTRUSS1103
BC LL	0	0	PSF	-ENG JL
TOT. LD.	32	40	PSF	
DUR.FAC.	1.25	1.25		
SPACING		24"		

TOE-NAIL DETAIL

TOE-NAILS TO BE DRIVEN AT AN ANGLE OF APPROXIMATELY THIRTY DEGREES WITH THE PIECE AND STARTED APPROXIMATELY ONE-THIRD THE LENGTH OF THE NAIL FROM THE END OF THE MEMBER.

PER ANSI/AF&PA NDS-2001 SECTION 12.4.1 - EDGE DISTANCE, END DISTANCE, SPACING: "EDGE DISTANCES, END DISTANCES AND SPACINGS FOR NAILS AND SPIKES SHALL BE SUFFICIENT TO PREVENT SPLITTING OF THE WOOD."

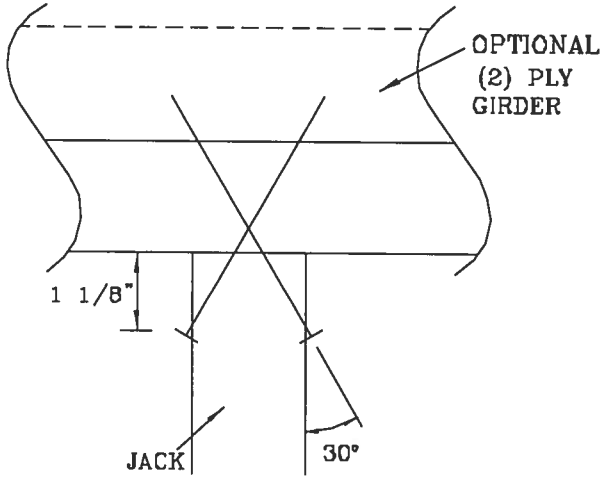
THE NUMBER OF TOE-NAILS TO BE USED IN A SPECIFIC APPLICATION IS DEPENDENT UPON PROPERTIES FOR THE CHORD SIZE, LUMBER SPECIES, AND NAIL TYPE. PROPER CONSTRUCTION PRACTICES AS WELL AS GOOD JUDGEMENT SHOULD DETERMINE THE NUMBER OF NAILS TO BE USED.

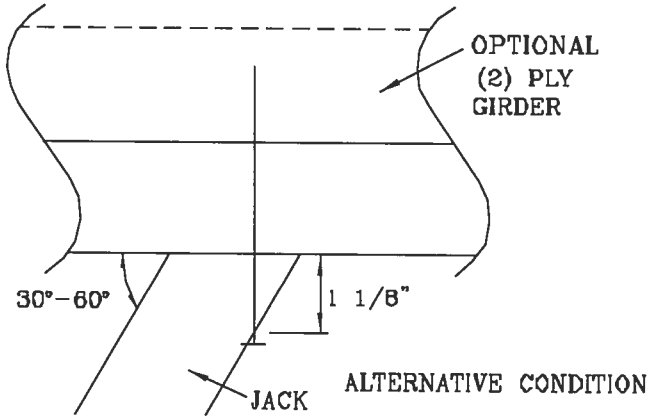
THIS DETAIL DISPLAYS A TOE-NAILED CONNECTION FOR JACK FRAMING INTO A SINGLE OR DOUBLE PLY SUPPORTING GIRDER.

MAXIMUM VERTICAL RESISTANCE OF 16d (0.162"X3.5") COMMON TOE-NAILS

NUMBER OF TOE-NAILS	SOUTHERN PINE		DOUGLAS FIR-LARCH		HEM-FIR		SPRUCE PINE FIR	
	1 PLY	2 PLIES	1 PLY	2 PLIES	1 PLY	2 PLIES	1 PLY	2 PLIES
2	197#	256#	181#	234#	156#	203#	154#	199#
3	296#	383#	271#	351#	234#	304#	230#	298#
4	394#	511#	361#	468#	312#	406#	307#	397#
5	493#	639#	452#	585#	390#	507#	384#	496#

ALL VALUES MAY BE MULTIPLIED BY APPROPRIATE DURATION OF LOAD FACTOR.





ALTERNATIVE CONDITION

THIS DRAWING REPLACES DRAWING 784040

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DELRAY BEACH, FL 33444-2161

No: 34669
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TC LL	PSF	REF TOE-NAIL
TC DL	PSF	DATE 09/12/07
BC DL	PSF	DRWG CNTONAIL1103
BC LL	PSF	-ENG JL
TOT. LD.	PSF	
DUR. FAC.	1.00	
SPACING		

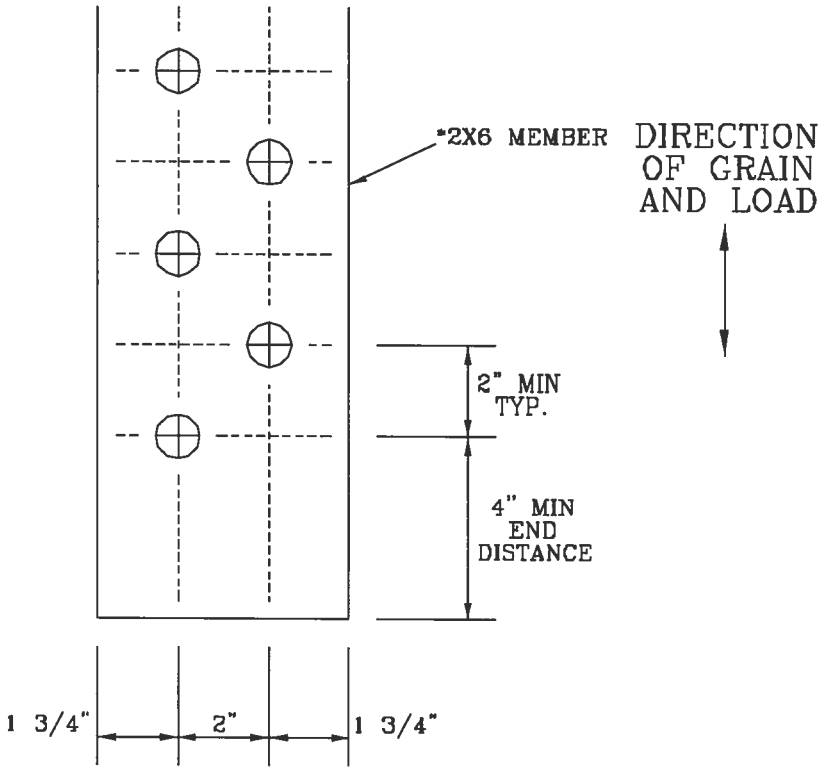
1/2" DIAMETER BOLT SPACING FOR LOAD APPLIED PARALLEL TO GRAIN.

* GRADE AND SPECIES AS SPECIFIED ON THE ALPINE DESIGN.

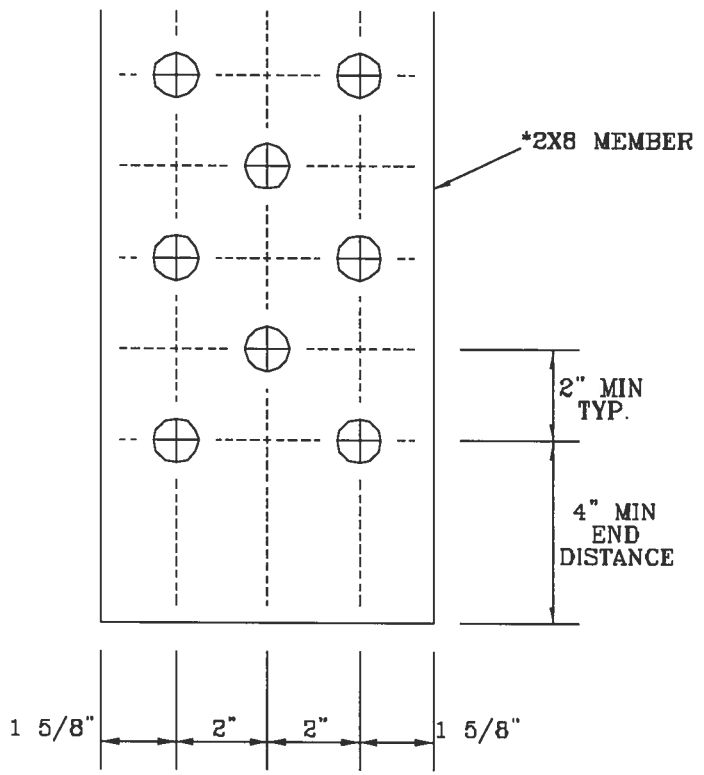
BOLT HOLES SHALL BE A MINIMUM OF 1/32" TO A MAXIMUM OF 1/16" LARGER THAN BOLT DIAMETER.

TYPICAL LOCATION OF 1/2" DIAMETER THRU BOLTS. BOLT QUANTITIES AS NOTED ON SEALED DESIGN MUST BE APPLIED IN ONE OF THE PATTERNS SHOWN BELOW.

WASHERS REQUIRED UNDER BOLT HEAD AND NUT



2X6 DETAIL



2X8 DETAIL

THIS DRAWING REPLACES DRAWING A628.016

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI. 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

JULIUS LEE'S
CONS. ENGINEERS P.A.
1455 SW 4th AVENUE
DELRAY BEACH, FL. 33444-2161

No: 34869
STATE OF FLORIDA

TC LL	PSF	REF	BOLT SPACING
TC DL	PSF	DATE	11/26/03
BC DL	PSF	DRWG	CNBOLTSP1103
BC LL	PSF	-ENG	JL
TOT. LD.	PSF		
DUR. FAC.			
SPACING			

TRULOX CONNECTION DETAIL

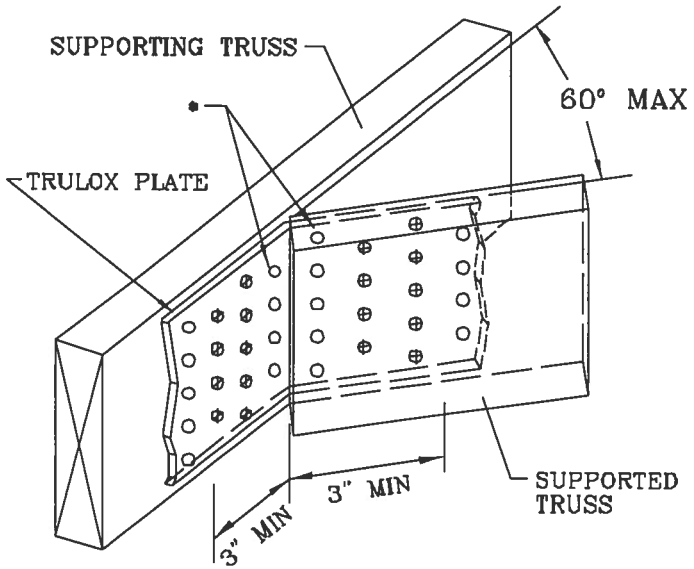
11 GAUGE (0.120" X 1.375") NAILS REQUIRED FOR TRULOX PLATE ATTACHMENT. FILL ROWS COMPLETELY WHERE SHOWN (⊕).

* NAILS MAY BE OMITTED FROM THESE ROWS.

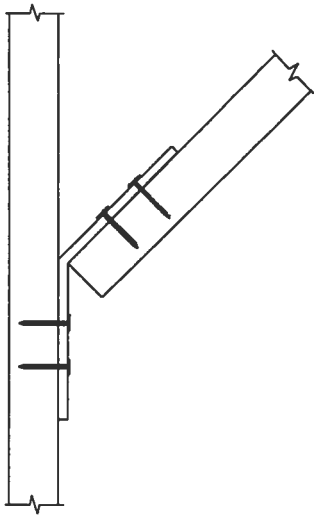
THIS DETAIL MAY BE USED WITH SO. PINE, DOUGLAS-FIR OR HEM-FIR CHORDS WITH A MINIMUM 1.00 DURATION OF LOAD OR SPRUCE-PINE-FIR CHORDS WITH A MINIMUM 1.15 DURATION OF LOAD. CHORD SIZE OF BOTH TRUSSES MUST EXCEED THE TRULOX PLATE WIDTH.

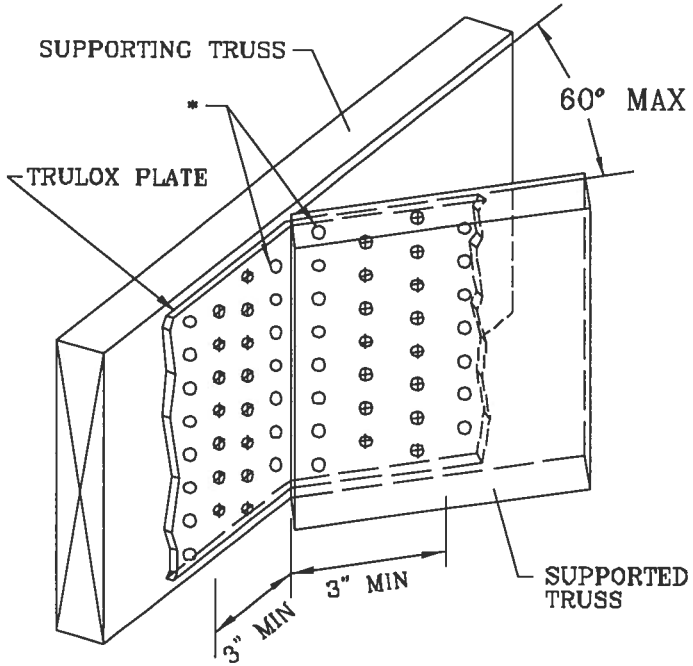
TRULOX PLATE IS CENTERED ON THE CHORDS AND BENT BETWEEN NAIL ROWS.

REFER TO ENGINEER'S SEALED DESIGN REFERENCING THIS DETAIL FOR LUMBER, PLATES, AND OTHER INFORMATION NOT SHOWN.



MINIMUM 3X6 TRULOX PLATE





MINIMUM 5X6 TRULOX PLATE

TRULOX PLATE SIZE	REQUIRED NAILS PER TRUSS	MAXIMUM LOAD UP OR DOWN
3X6	9	350#
5X6	15	990#

THIS DRAWING REPLACES DRAWINGS 1,158,989 1,158,989/R 1,154,944 1,152,217 1,152,017 1,159,154 & 1,151,524

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JULIUS LEE'S
CONS. ENGINEERS P.A.
1455 SW 4th AVENUE
DELRAY BEACH, FL. 33444-2151

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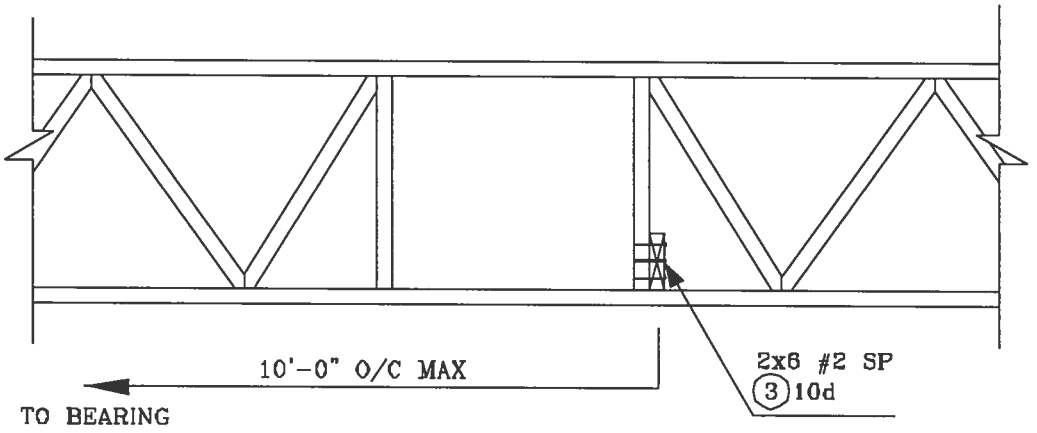
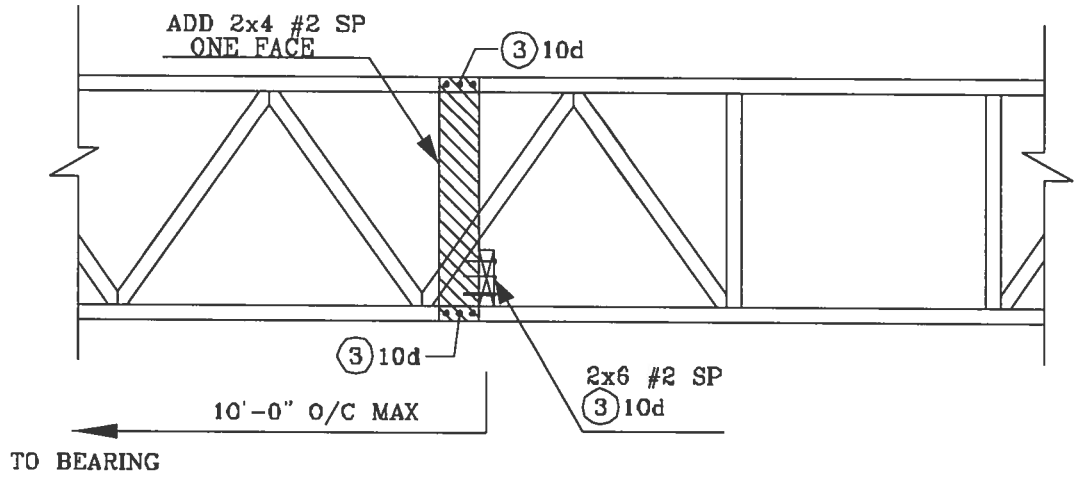
STATE OF FLORIDA

REF	TRULOX
DATE	11/26/03
DRWG	CNTRULOX1103
-ENG	JL

STRONG BACK DETAIL
SYSTEM-42 OR FLAT TRUSS



ALTERNATE DETAIL FOR
STRONG BACK WITH VERTICAL
NOT LINING UP



JULIUS LEE'S
CONS. ENGINEERS P.A.
1456 SW 4th AVENUE
DELRAY BEACH, FL 33444-2161

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