Builders FirstSource

Barrett

JULIUS LEE LICENSE No 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER October 9, 2007

Project Information for: **L257001**

Builder: WOODMAN PARK BUILDERS
Address : 1313 BELL RD
. LAKE CITY, FL
County: COLUMBIA
Truss Count: 52
Design Program: MiTek 20/20 6.3
Building Code: FBC2004/TPI2002

Truss Design Load Information:

Gravity:
Roof (psf): 42.0
Floor (psf): N/A

Wind:
Wind Standard: ASCE 7-02
Wind Speed (mph): 110
Wind Exposure: B

Note: See the individual truss drawings for special loading conditions.

Contractor of Record, responsible for structural engineering:
William G. Wood Florida Certified Building Contractor License No. CBC058182
Address: Woodman Park Builders, Inc. P.O. Box 3535 Lake City, Florida 32056

Truss Design Engineer: Julius Lee, PE Florida P.E. License No. 34869
Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

Notes:

1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1-2002 Section 2.2
2. The seal date shown on the individual truss component drawings must match the seal date on this index sheet.
3. The Truss Design Engineer's responsibility relative to this structure consists solely of the design of the individual truss components and does not include the design of any additional structural elements including but not limited to continuous lateral bracing elelments in the web and chord planes. See Florida Administrative Code 61G15-31.003 sections 3 c) & 5 and Chapter 2 of the National Design Standard for Metal Plate Connected Wood Truss Construction ANSI/TPI 1-2002 for additional information on the responsibilities of the delegated "Truss Design Engineer". Builders FirstSource and Julius Lee, PE do not accept any additional delegations beyond the scope of work described in the referenced documents above.

No.	Drwg. #	Truss ID	Date
1	J1898952	CJ1	10/9/07
2	J1898953	CJ1A	10/9/07
3	J1898954	CJ1B	10/9/07
4	J1898955	CJ3D	10/9/07
5	J1898957	CJ4B	10/9/07
6	J1898958	CJ5B	10/9/07
7	J1898959	EJ2	10/9/07
8	J1898960	EJ3	10/9/07
9	J1898961	EJ5	10/9/07
10	J1898962	EJ5A	10/9/07
11	J1898963	EJ5B	10/9/07
12	J1898964	EJ7	10/9/07
13	J1898965	EJ7A	10/9/07
14	J1898966	EJ7B	10/9/07
15	J1898967	EJ7C	10/9/07
16	J1898968	EJ7D	10/9/07
17	J1898969	EJ7T	10/9/07
18	J1898970	HJ2	10/9/07
19	J1898971	HJ3	10/9/07
20	J1898972	HJ4	10/9/07
21	J1898973	HJ4A	10/9/07
22	J1898974	HJ5A	10/9/07
23	J1898975	HJ6	10/9/07
24	J1898976	T01	10/9/07
25	J1898977	T02	10/9/07
26	J1898978	T03	10/9/07
27	J1898979	T04	10/9/07
28	J1898980	T05	10/9/07
29	J1898981	T06	10/9/07
30	J1898982	T07	10/9/07
31	J1898983	T08	10/9/07
32	J1898984	T09	10/9/07
33	J1898985	T10	10/9/07
34	J1898986	T11	10/9/07
35	J1898987	T12	10/9/07
36	J1898988	T13	10/9/07
37	J1898989	T14	10/9/07
38	J1898990	T15	10/9/07
39	J1898991	T16	10/9/07
40	J1898992	T17	10/9/07
41	J1898993	T18	10/9/07
42	J1898994	T19	10/9/07
43	J1898995	T20	10/9/07
44	J1898996	T21	10/9/07
45	J1898997	T22	10/9/07
46	J1898998	T23	10/9/07
47	J1898999	T24	10/9/07
48	J1899000	T25	10/9/07
49	J1899001	T26	10/9/07
50	J1899002	T27	10/9/07
51	J1899003	T28	10/9/07
52	J1899004	T29	10/9/07

Builders FirstSource

Project Information for: **L257001**

Builder: WOODMAN PARK BUILDERS
Address : 1313 BELL RD
. LAKE CITY, FL
County: COLUMBIA
Truss Count: 52
Design Program: MiTek 20/20 6.3
Building Code: FBC2004/TPI2002

October 9,2007

Truss Design Load Information:

Gravity:

Roof (psf): 42.0
Floor (psf): N/A

Wind:

Wind Standard: ASCE 7-02
Wind Speed (mph): 110
Wind Exposure: B

Note: See the individual truss drawings for special loading conditions.

Contractor of Record, responsible for structural engineering:
William G. Wood Florida Certified Building Contractor License No. CBC058182
Address: Woodman Park Builders, Inc. P.O. Box 3535 Lake City, Florida 32056

Truss Design Engineer: Julius Lee, PE Florida P.E. License No. 34869
Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

Notes:

1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1-2002 Section 2.2
2. The seal date shown on the individual truss component drawings must match the seal date on this index sheet.
3. The Truss Design Engineer's responsibility relative to this structure consists solely of the design of the individual truss components and does not include the design of any additional structural elements including but not limited to continuous lateral bracing elelments in the web and chord planes. See Florida Administrative Code 61G15-31.003 sections 3 c) & 5 and Chapter 2 of the National Design Standard for Metal Plate Connected Wood Truss Construction ANSI/TPI 1-2002 for additional information on the responsibilities of the delegated "Truss Design Engineer". Builders FirstSource and Julius Lee, PE do not accept any additional delegations beyond the scope of work described in the referenced documents above.

No.	Drwg. #	Truss ID	Date	No.	Drwg. #	Truss ID	Date
1	J1898952	CJ1	10/9/07	29	J1898981	T06	10/9/07
2	J1898953	CJ1A	10/9/07	30	J1898982	T07	10/9/07
3	J1898954	CJ1B	10/9/07	31	J1898983	T08	10/9/07
4	J1898955	CJ3D	10/9/07	32	J1898984	T09	10/9/07
5	J1898957	CJ4B	10/9/07	33	J1898985	T10	10/9/07
6	J1898958	CJ5B	10/9/07	34	J1898986	T11	10/9/07
7	J1898959	EJ2	10/9/07	35	J1898987	T12	10/9/07
8	J1898960	EJ3	10/9/07	36	J1898988	T13	10/9/07
9	J1898961	EJ5	10/9/07	37	J1898989	T14	10/9/07
10	J1898962	EJ5A	10/9/07	38	J1898990	T15	10/9/07
11	J1898963	EJ5B	10/9/07	39	J1898991	T16	10/9/07
12	J1898964	EJ7	10/9/07	40	J1898992	T17	10/9/07
13	J1898965	EJ7A	10/9/07	41	J1898993	T18	10/9/07
14	J1898966	EJ7B	10/9/07	42	J1898994	T19	10/9/07
15	J1898967	EJ7C	10/9/07	43	J1898995	T20	10/9/07
16	J1898968	EJ7D	10/9/07	44	J1898996	T21	10/9/07
17	J1898969	EJ7T	10/9/07	45	J1898997	T22	10/9/07
18	J1898970	HJ2	10/9/07	46	J1898998	T23	10/9/07
19	J1898971	HJ3	10/9/07	47	J1898999	T24	10/9/07
20	J1898972	HJ4	10/9/07	48	J1899000	T25	10/9/07
21	J1898973	HJ4A	10/9/07	49	J1899001	T26	10/9/07
22	J1898974	HJ5A	10/9/07	50	J1899002	T27	10/9/07
23	J1898975	HJ6	10/9/07	51	J1899003	T28	10/9/07
24	J1898976	T01	10/9/07	52	J1899004	T29	10/9/07
25	J1898977	T02	10/9/07				
26	J1898978	T03	10/9/07				
27	J1898979	T04	10/9/07				
28	J1898980	T05	10/9/07				

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT	J1898952
L257001	CJ1	MONO TRUSS	16	1	Job Reference (optional)	

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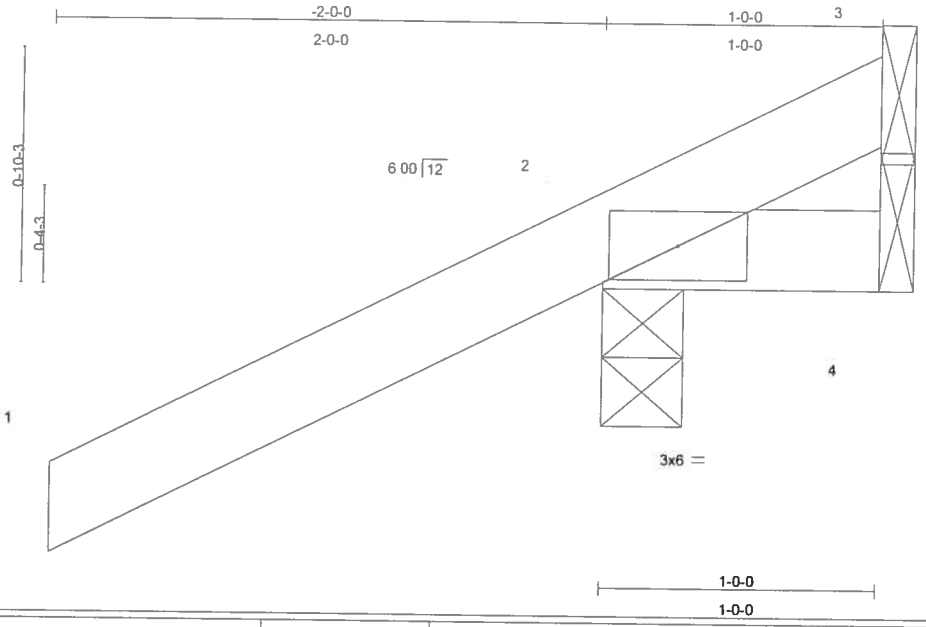

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.28	Vert(LL)	-0.00	2	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.01	Vert(TL)	-0.00	2	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 7 lb	

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

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

REACTIONS (lb/size) 2=256/0-3-8, 4=5/Mechanical, 3=-90/Mechanical
Max Horz 2=87(load case 6)
Max Uplift 2=-286(load case 6), 4=-9(load case 4), 3=-90(load case 1)
Max Grav 2=256(load case 1), 4=14(load case 2), 3=127(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-69/75
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.14

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left 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.
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 286 lb uplift at joint 2, 9 lb uplift at joint 4 and 90 lb uplift at joint 3.

Continued on page 2

Julius Lee
Truss Design Engineer
Florida PE No. 34985
1116 Coastal Ray Pkwy
Boynton Beach, FL 33436

October 9,2007

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT
L257001	CJ1	MONO TRUSS	16	1	J1898952
					Job Reference (optional)

LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida PE No 34985
1106 Coastal Bay Blvd
Boynton Beach, FL 33435

October 9,2007

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1898953
L257001	CJ1A	JACK	4	1	Job Reference (optional)

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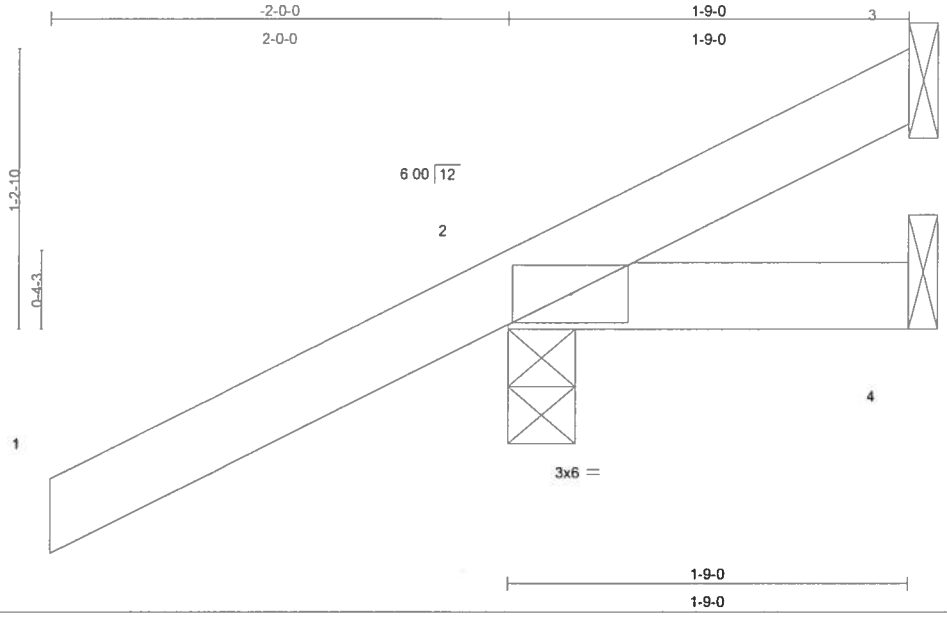

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.27	Vert(LL)	-0.00	2	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.02	Vert(TL)	-0.00	2	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 9 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 1-9-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=229/0-3-8, 4=9/Mechanical, 3=-19/Mechanical
Max Horz 2=104(load case 6)
Max Uplift 2=-215(load case 6), 3=-19(load case 1)
Max Grav 2=229(load case 1), 4=26(load case 2), 3=42(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-52/19
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.12

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) *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 215 lb uplift at joint 2 and 19 lb uplift at joint 3.

Continued on page 2

Julius Lee
Truss Design Engineer
Florida PE No 31988
1105 Kreasel Bay Blvd
Boynton Beach, FL 33435

October 9,2007

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1898953
L257001	CJ1A	JACK	4	1	Job Reference (optional)

LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida PE No. 31958
1166 Coastal Bay Blvd
Boynton Beach, FL 33435

October 9,2007

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1898954
L257001	CJ1B	JACK	2	1	Job Reference (optional)

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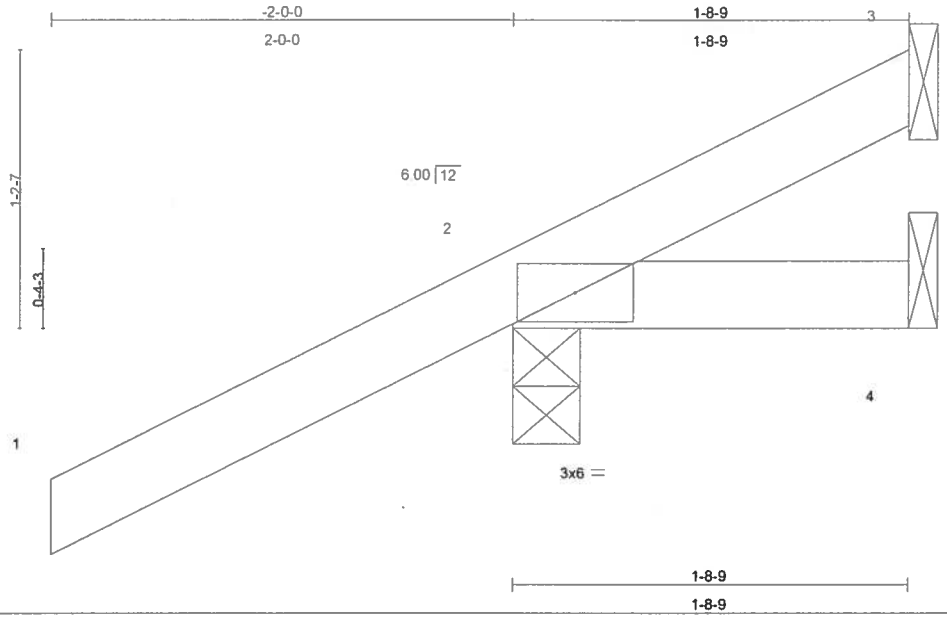

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.27	Vert(LL)	-0.00	2	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.02	Vert(TL)	-0.00	2	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 9 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 1-8-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=230/0-3-8, 4=8/Mechanical, 3=-21/Mechanical
Max Horz 2=103(load case 6)
Max Uplift 2=-217(load case 6), 3=-21(load case 1)
Max Grav 2=230(load case 1), 4=25(load case 2), 3=45(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-52/20
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.12

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) *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 217 lb uplift at joint 2 and 21 lb uplift at joint 3.

Continued on page 2

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1106 Coastal Bay Blvd
Boynton Beach, FL 33435

October 9,2007

LOAD CASE(S) Standard

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

October 9,2007

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1898955
L257001	CJ3D	JACK	1	1	Job Reference (optional)

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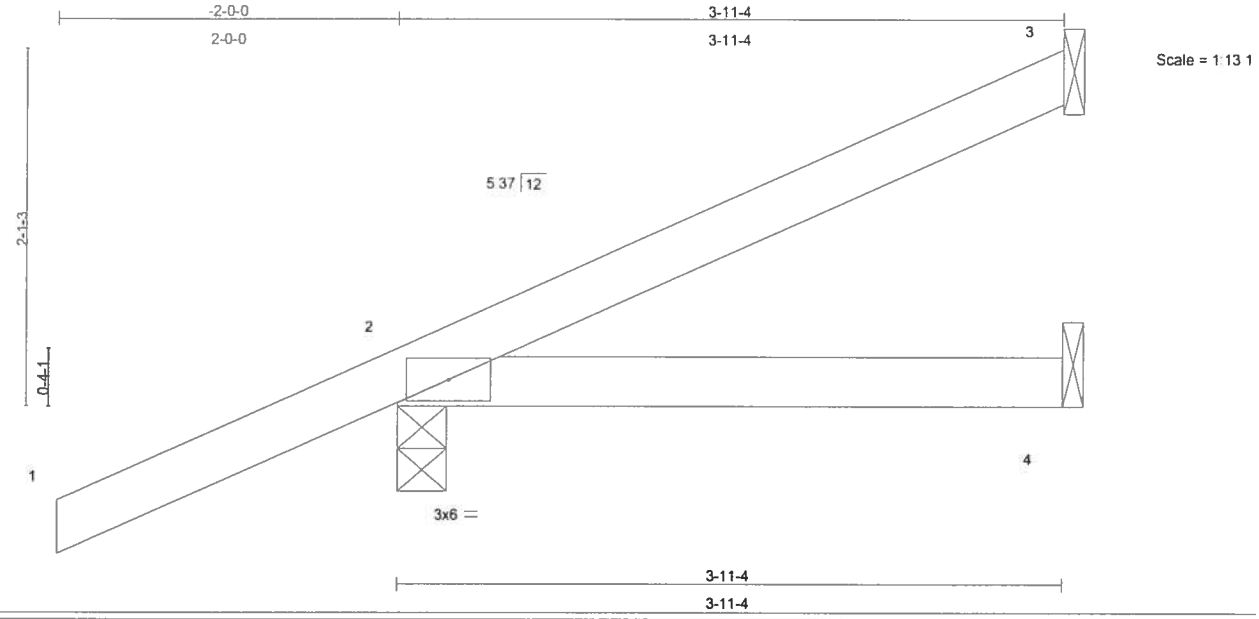

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.28	Vert(LL)	-0.01	2-4	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.10	Vert(TL)	-0.02	2-4	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 16 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-11-4 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=67/Mechanical, 2=269/0-3-8, 4=19/Mechanical
Max Horz 2=137(load case 6)
Max Uplift 3=-49(load case 6), 2=-201(load case 6)
Max Grav 3=67(load case 1), 2=269(load case 1), 4=56(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/43, 2-3=-57/20
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.12

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) *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 49 lb uplift at joint 3 and 201 lb uplift at joint 2.

Continued on page 2

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1106 Coastal Bay Blvd
Boynton Beach, FL 33435

October 9,2007

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1898955
L257001	CJ3D	JACK	1	1	Job Reference (optional)

LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida PE No 34869
1105 Crandal Bay Blvd
Boynton Beach, FL 33435

October 9,2007

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1898957
L257001	CJ4B	JACK	1	1	Job Reference (optional)

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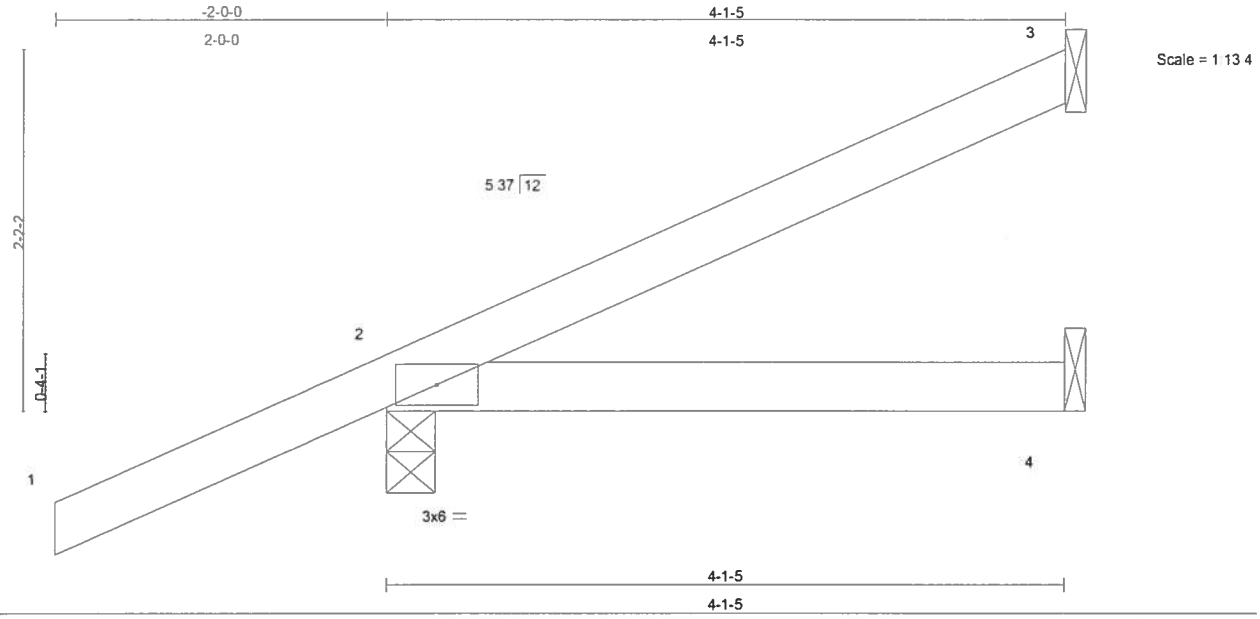

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.28	Vert(LL)	-0.01	2-4	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.11	Vert(TL)	-0.02	2-4	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 16 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-1-5 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=73/Mechanical, 2=273/0-3-8, 4=19/Mechanical
Max Horz 2=141(load case 6)
Max Uplift 3=-54(load case 6), 2=-202(load case 6)
Max Grav 3=73(load case 1), 2=273(load case 1), 4=58(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/43, 2-3=-59/22
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.13

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) *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 54 lb uplift at joint 3 and 202 lb uplift at joint 2.

Continued on page 2

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1106 Coastal Bay Blvd
Boynton Beach, FL 33435

October 9,2007

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1898957
L257001	CJ4B	JACK	1	1	Job Reference (optional)

LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1106 Coastal Bay Blvd
Boynton Beach, FL 33435

October 9,2007

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1898958
L257001	CJ5B	SPECIAL	1	1	Job Reference (optional)

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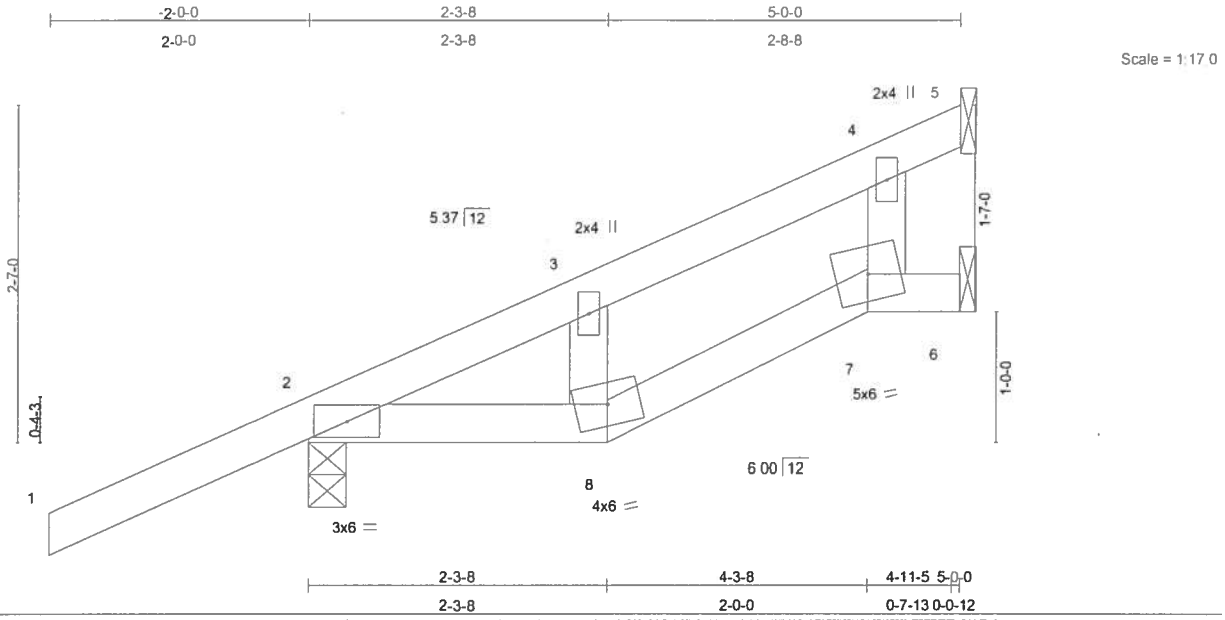

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.28	Vert(LL)	0.06	8	>956	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.03	Vert(TL)	-0.07	8	>862	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.02	Horz(TL)	-0.02	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 22 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 5-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (lb/size) 5=124/Mechanical, 2=295/0-3-8, 6=3/Mechanical
Max Horz 2=159(load case 6)
Max Uplift 5=-70(load case 6), 2=-204(load case 6)
Max Grav 5=124(load case 1), 2=295(load case 1), 6=10(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/43, 2-3=-75/0, 3-4=-66/27, 4-5=-54/50
BOT CHORD 2-8=-3/0, 7-8=-4/18, 6-7=-0/0
WEBS 3-8=0/60, 4-7=0/43

JOINT STRESS INDEX
2 = 0.13, 3 = 0.04, 4 = 0.03, 7 = 0.01 and 8 = 0.03

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

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October 9,2007

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1898958
L257001	CJ5B	SPECIAL	1	1	Job Reference (optional)

NOTES

4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 70 lb uplift at joint 5 and 204 lb uplift at joint 2.

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1898959
L257001	EJ2	JACK	5	1	Job Reference (optional)

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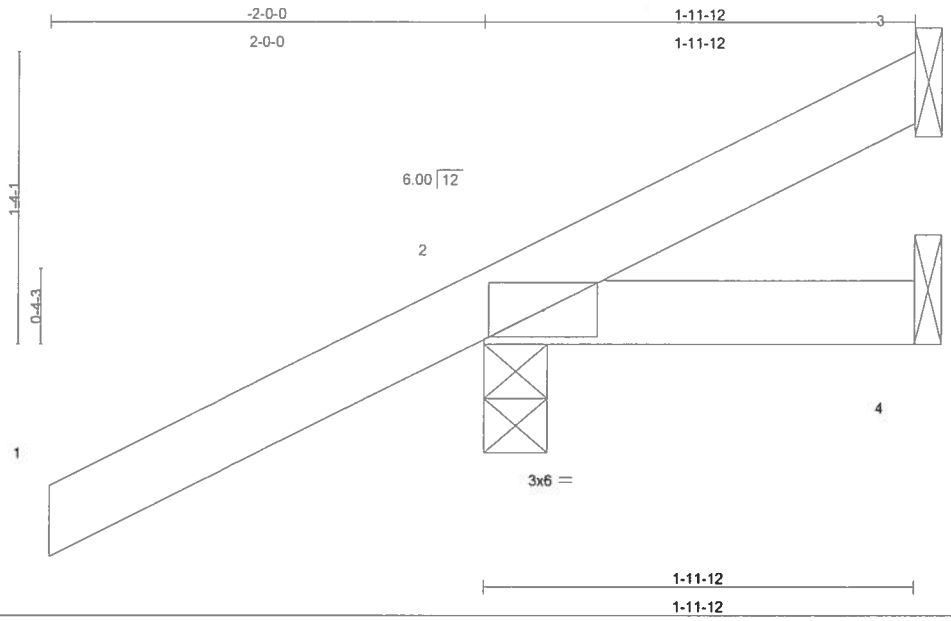

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.27	Vert(LL)	-0.00	2	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.03	Vert(TL)	-0.00	2-4	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 10 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 1-11-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=229/0-3-8, 4=10/Mechanical, 3=-5/Mechanical
Max Horz 2=109(load case 6)
Max Uplift 2=-207(load case 6), 3=-8(load case 9)
Max Grav 2=229(load case 1), 4=29(load case 2), 3=26(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-51/11
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.12

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) *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 207 lb uplift at joint 2 and 8 lb uplift at joint 3.

Continued on page 2

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Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1898959
L257001	EJ2	JACK	5	1	Job Reference (optional)

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1898960
L257001	EJ3	JACK	13	1	Job Reference (optional)

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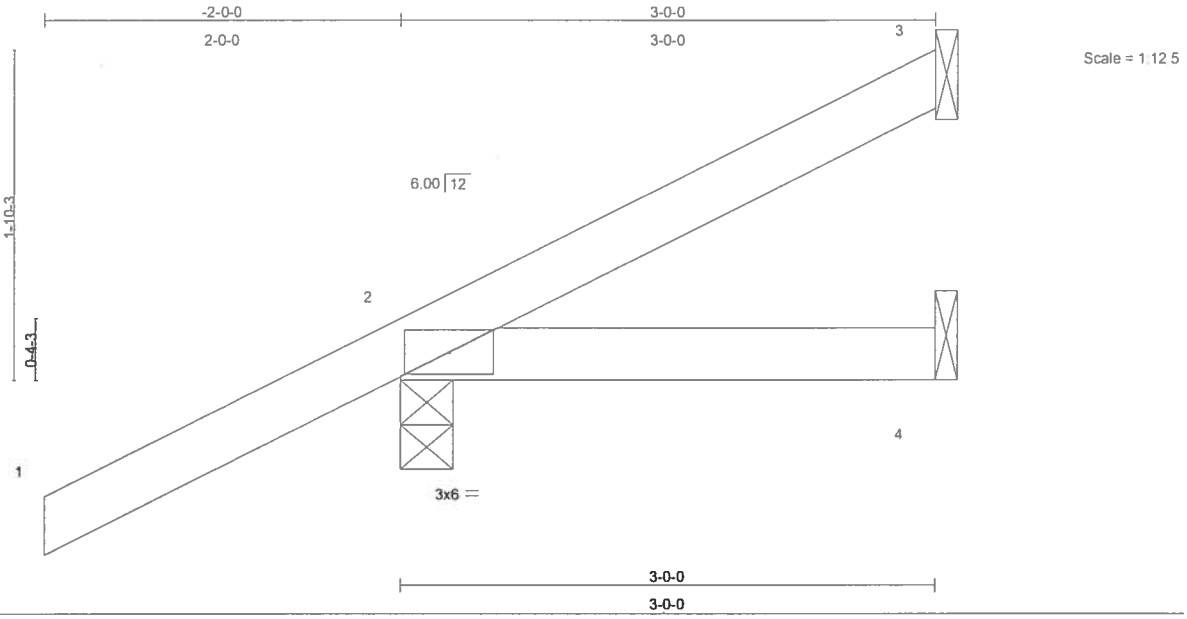

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	0.01	2-4	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.08	Vert(TL)	-0.01	2-4	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 13 lb	

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

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

REACTIONS (lb/size) 3=31/Mechanical, 2=250/0-3-8, 4=14/Mechanical
Max Horz 2=132(load case 6)
Max Uplift 3=-28(load case 7), 2=-238(load case 6), 4=-27(load case 4)
Max Grav 3=31(load case 1), 2=250(load case 1), 4=42(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-57/7
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.13

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; 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.
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 28 lb uplift at joint 3, 238 lb uplift at joint 2 and 27 lb uplift at joint 4.

Continued on page 2

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October 9,2007

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1898960
L257001	EJ3	JACK	13	1	Job Reference (optional)

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1898961
L257001	EJ5	JACK	4	1	Job Reference (optional)

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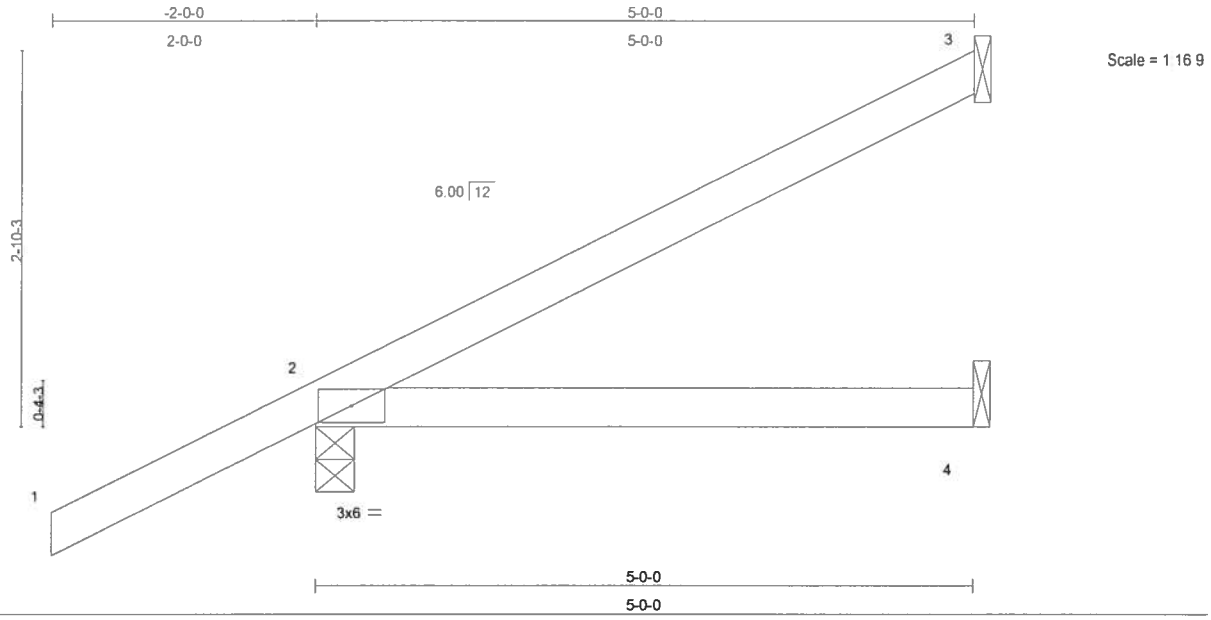

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	-0.03	2-4	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.16	Vert(TL)	-0.05	2-4	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 19 lb	

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

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

REACTIONS (lb/size) 3=103/Mechanical, 2=295/0-3-8, 4=24/Mechanical
Max Horz 2=178(load case 6)
Max Uplift 3=-87(load case 6), 2=-199(load case 6)
Max Grav 3=103(load case 1), 2=295(load case 1), 4=72(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-88/36
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.14

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) *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 87 lb uplift at joint 3 and 199 lb uplift at joint 2.

Continued on page 2

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October 9,2007

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1898961
L257001	EJ5	JACK	4	1	Job Reference (optional)

LOAD CASE(S) Standard

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October 9,2007

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1898962
L257001	EJ5A	MONO TRUSS	1	1	Job Reference (optional)

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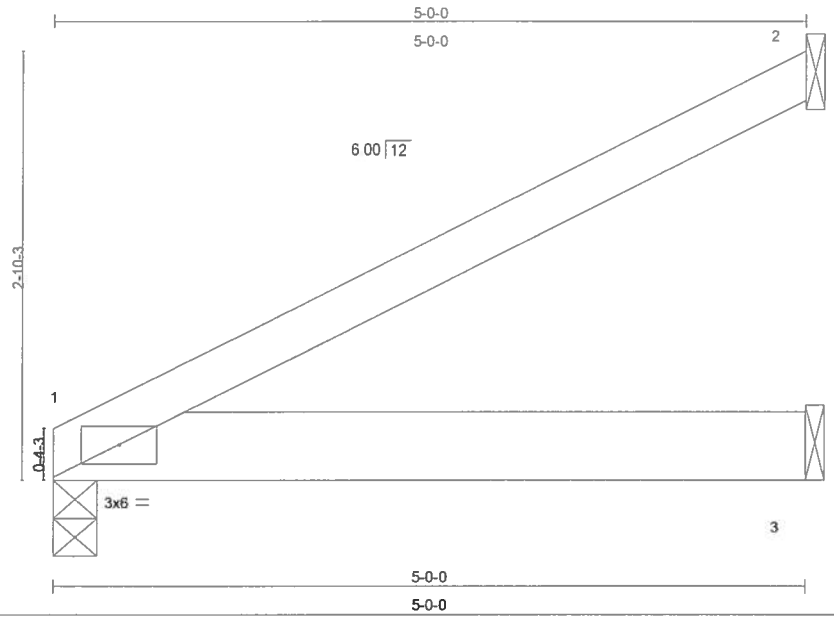

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.32	Vert(LL)	0.04	1-3	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.34	Vert(TL)	-0.06	1-3	>910	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.00	Horz(TL)	-0.00	2	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 20 lb	

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

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

REACTIONS (lb/size) 1=525/0-3-8, 2=129/Mechanical, 3=396/Mechanical
Max Horz 1=112(load case 5)
Max Uplift 1=-232(load case 5), 2=-119(load case 5), 3=-170(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-70/47
BOT CHORD 1-3=0/0

JOINT STRESS INDEX
1 = 0.06

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
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 232 lb uplift at joint 1, 119 lb uplift at joint 2 and 170 lb uplift at joint 3.
5) Girder carries tie-in span(s): 12-0-0 from 0-0-0 to 5-0-0
6) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

Continued on page 2

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October 9,2007

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1898962
L257001	EJ5A	MONO TRUSS	1	1	Job Reference (optional)

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-2=-54, 1-3=-165(F=-155)

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT
L257001	EJ5B	SPECIAL	3	1	J1898963
					Job Reference (optional)

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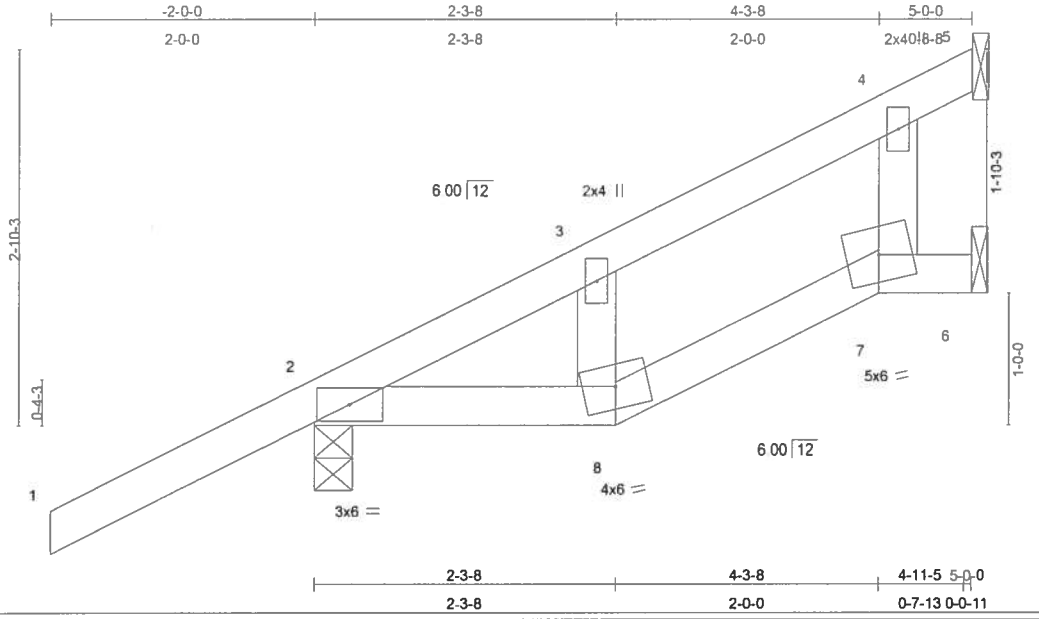

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	0.06	8	>886	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.03	Vert(TL)	-0.07	8	>842	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.02	Horz(TL)	-0.02	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 23 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 5-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (lb/size) 5=124/Mechanical, 2=295/0-3-8, 6=3/Mechanical
Max Horz 2=178(load case 6)
Max Uplift 5=-75(load case 6), 2=-199(load case 6)
Max Grav 5=124(load case 1), 2=295(load case 1), 6=10(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-86/0, 3-4=-75/30, 4-5=-63/54
BOT CHORD 2-8=-3/0, 7-8=-5/16, 6-7=-0/0
WEBS 3-8=0/60, 4-7=0/42

JOINT STRESS INDEX
2 = 0.14, 3 = 0.04, 4 = 0.03, 7 = 0.01 and 8 = 0.03

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

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October 9,2007

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1898963
L257001	EJ5B	SPECIAL	3	1	Job Reference (optional)

NOTES

4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 75 lb uplift at joint 5 and 199 lb uplift at joint 2.

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1898964
L257001	EJ7	JACK	24	1	Job Reference (optional)

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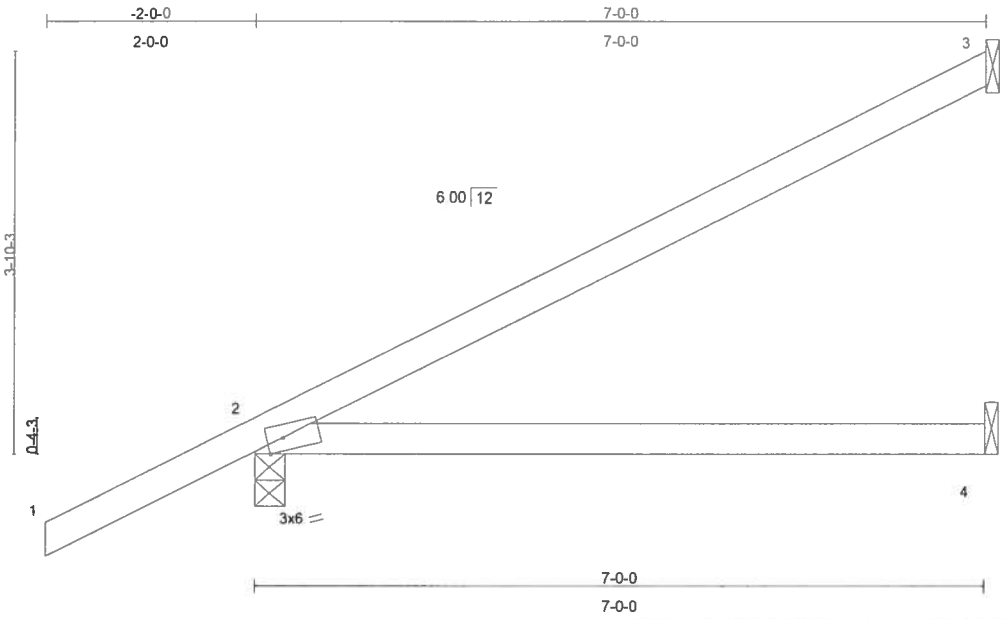

Plate Offsets (X,Y): [2:0-1-12,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.48	Vert(LL)	-0.08	2-4	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.28	Vert(TL)	-0.16	2-4	>501	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 26 lb	

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

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

REACTIONS (lb/size) 3=154/Mechanical, 2=352/0-3-8, 4=45/Mechanical
Max Horz 2=161(load case 6)
Max Uplift 3=-84(load case 6), 2=-139(load case 6)
Max Grav 3=154(load case 1), 2=352(load case 1), 4=94(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-119/54
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.77

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 84 lb uplift at joint 3 and 139 lb uplift at joint 2.

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October 9,2007

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1898964
L257001	EJ7	JACK	24	1	Job Reference (optional)

LOAD CASE(S) Standard

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October 9,2007

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1898965
L257001	EJ7A	MONO HIP	1	1	Job Reference (optional)

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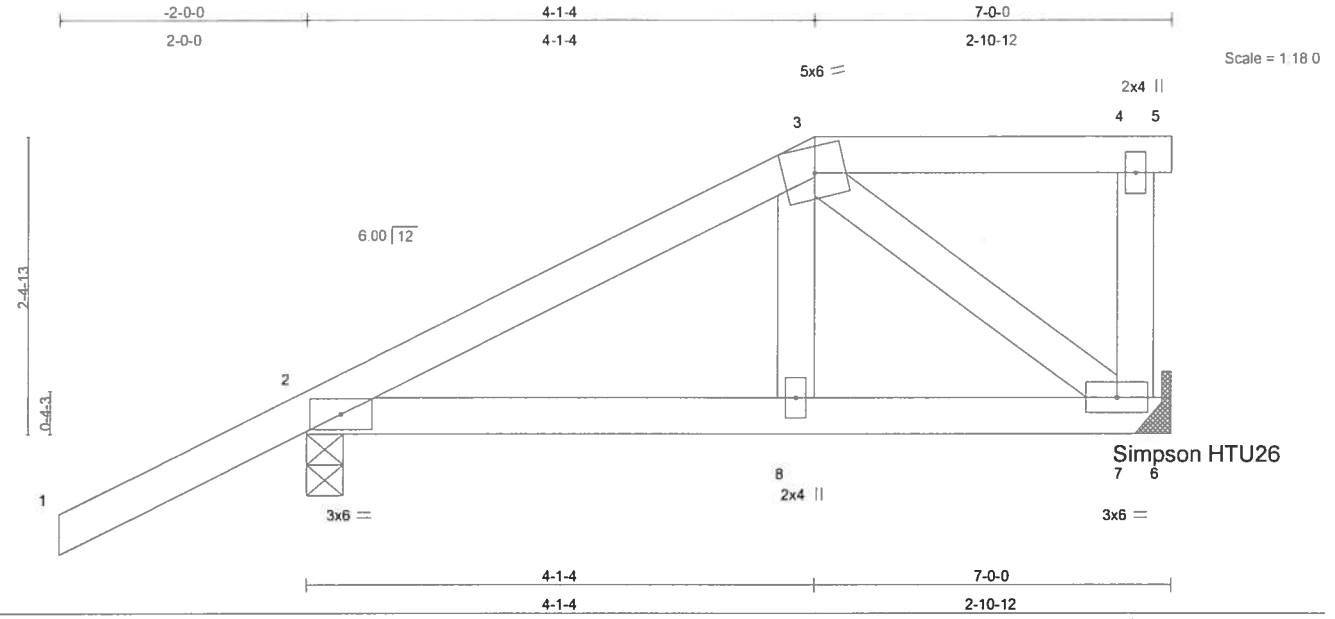

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	-0.01	2-8	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.07	Vert(TL)	-0.01	2-8	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.05	Horz(TL)	0.00	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 35 lb	

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

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=345/0-3-8, 7=198/Mechanical
Max Horz 2=116(load case 6)
Max Uplift 2=-150(load case 6), 7=-55(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-234/88, 3-4=-0/0, 4-5=0/0
BOT CHORD 2-8=-130/159, 7-8=-134/157, 6-7=0/0
WEBS 3-8=0/112, 3-7=-201/172, 4-7=-64/52

JOINT STRESS INDEX
2 = 0.32, 3 = 0.17, 4 = 0.03, 7 = 0.08 and 8 = 0.08

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

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1898965
L257001	EJ7A	MONO HIP	1	1	Job Reference (optional)

NOTES

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 150 lb uplift at joint 2 and 55 lb uplift at joint 7.

LOAD CASE(S) Standard

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October 9,2007

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1898966
L257001	EJ7B	COMMON	1	1	Job Reference (optional)

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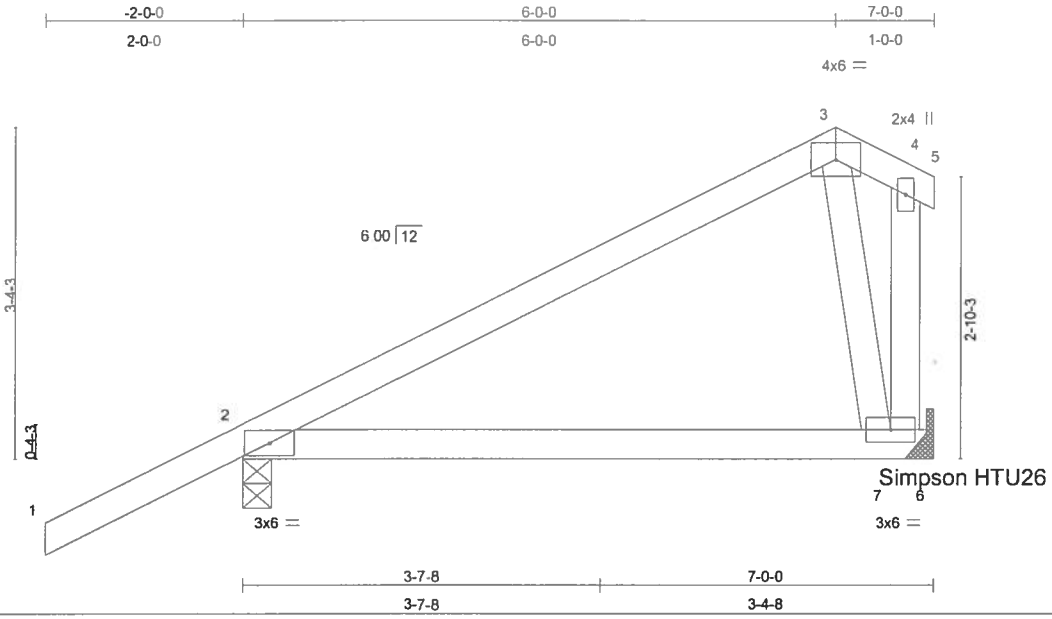

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.22	Vert(LL)	-0.05	2-7	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.17	Vert(TL)	-0.10	2-7	>807	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.10	Horz(TL)	-0.00	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 34 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.1D
BOT CHORD 2 X 4 SYP No.1D
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) 2=340/0-3-8, 7=203/Mechanical
Max Horz 2=137(load case 6)
Max Uplift 2=-147(load case 6), 7=-51(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-153/27, 3-4=-83/89, 4-5=0/2
BOT CHORD 2-7=-86/73, 6-7=0/0
WEBS 3-7=-350/408, 4-7=-213/191

JOINT STRESS INDEX
2 = 0.53, 3 = 0.72, 4 = 0.13 and 7 = 0.22

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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 147 lb uplift at joint 2 and 51 lb uplift at joint 7.

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1898966
L257001	EJ7B	COMMON	1	1	Job Reference (optional)

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1898967
L257001	EJ7C	MONO HIP	1	1	Job Reference (optional)

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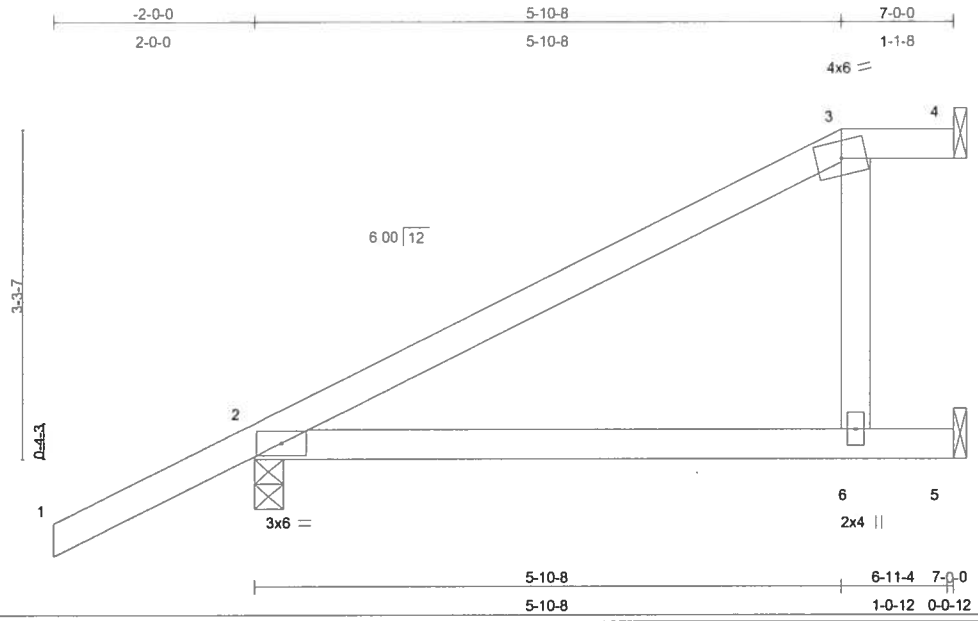

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.31	Vert(LL)	0.14	2-6	>577	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.28	Vert(TL)	-0.16	2-6	>495	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.06	Horz(TL)	0.04	4	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 29 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
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 6-0-0 oc bracing.

REACTIONS (lb/size) 4=34/Mechanical, 2=352/0-3-8, 5=165/Mechanical
Max Horz 2=145(load case 6)
Max Uplift 2=-146(load case 6), 5=-73(load case 6)
Max Grav 4=66(load case 2), 2=352(load case 1), 5=165(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-94/39, 3-4=-0/1
BOT CHORD 2-6=-12/7, 5-6=0/0
WEBS 3-6=-153/248

JOINT STRESS INDEX
2 = 0.32, 3 = 0.37 and 6 = 0.14

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

Continued on page 2

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1898967
L257001	EJ7C	MONO HIP	1	1	Job Reference (optional)

NOTES

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 146 lb uplift at joint 2 and 73 lb uplift at joint 5.

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1898968
L257001	EJ7D	MONO HIP	1	1	Job Reference (optional)

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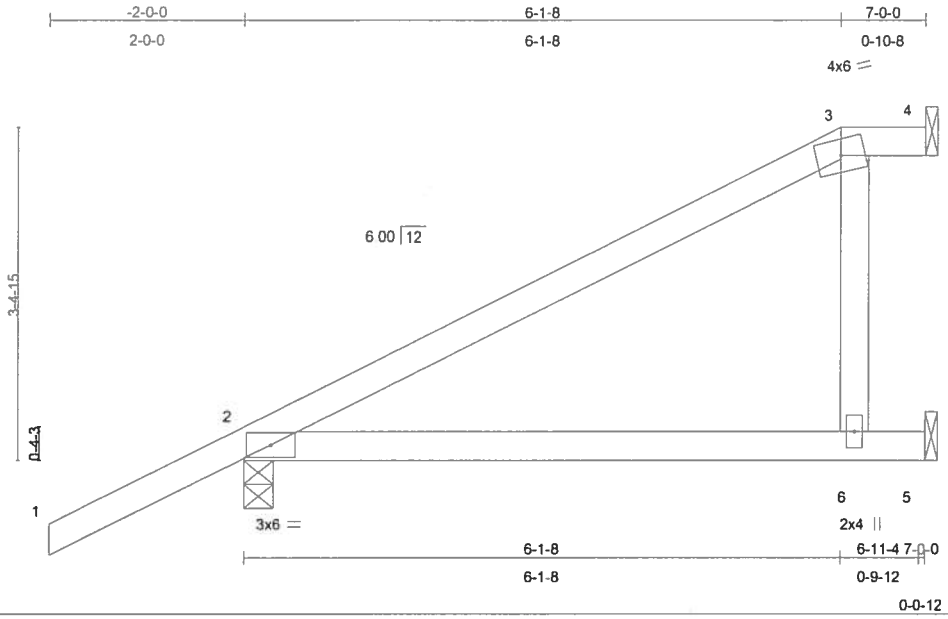

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.31	Vert(LL)	0.14	2-6	>603	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.27	Vert(TL)	-0.16	2-6	>500	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.08	Horz(TL)	0.03	4	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 30 lb	

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

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) 4=-10/Mechanical, 2=352/0-3-8, 5=209/Mechanical
Max Horz 2=149(load case 6)
Max Uplift 4=-10(load case 1), 2=-145(load case 6), 5=-103(load case 6)
Max Grav 4=64(load case 2), 2=352(load case 1), 5=209(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-99/42, 3-4=-1/1
BOT CHORD 2-6=-15/9, 5-6=0/0
WEBS 3-6=-194/310

JOINT STRESS INDEX
2 = 0.34, 3 = 0.37 and 6 = 0.17

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

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1898968
L257001	EJ7D	MONO HIP	1	1	Job Reference (optional)

NOTES

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 10 lb uplift at joint 4, 145 lb uplift at joint 2 and 103 lb uplift at joint 5.

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1898969
L257001	EJ7T	SPECIAL	3	1	Job Reference (optional)

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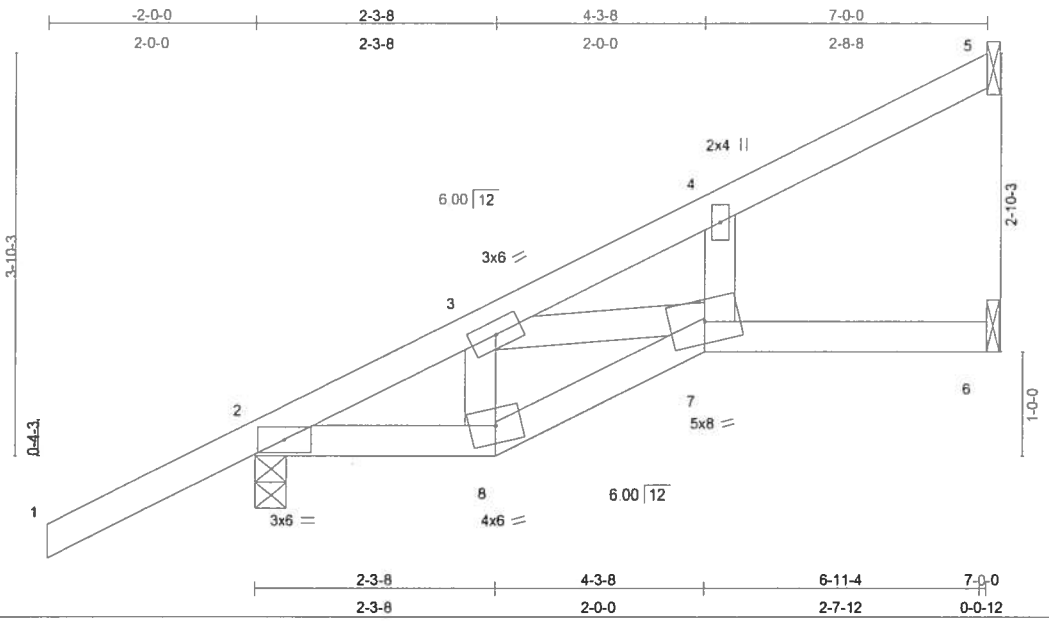

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	0.12	7	>707	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.36	Vert(TL)	-0.11	7	>734	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.06	Horz(TL)	-0.03	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 32 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 6-0-0 oc bracing.

REACTIONS (lb/size) 5=122/Mechanical, 2=352/0-3-8, 6=77/Mechanical
Max Horz 2=161(load case 6)
Max Uplift 5=-55(load case 6), 2=-139(load case 6), 6=-16(load case 6)
Max Grav 5=122(load case 1), 2=352(load case 1), 6=81(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-329/69, 3-4=-112/0, 4-5=-72/48
BOT CHORD 2-8=-235/260, 7-8=-213/248, 6-7=-0/0
WEBS 3-8=-26/65, 3-7=-256/233, 4-7=0/80

JOINT STRESS INDEX
2 = 0.53, 3 = 0.09, 4 = 0.05, 7 = 0.72 and 8 = 0.20

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 55 lb uplift at joint 5, 139 lb uplift at joint 2 and 16 lb uplift at joint 6.

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1898969
L257001	EJ7T	SPECIAL	3	1	Job Reference (optional)

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1898970
L257001	HJ2	JACK	2	1	Job Reference (optional)

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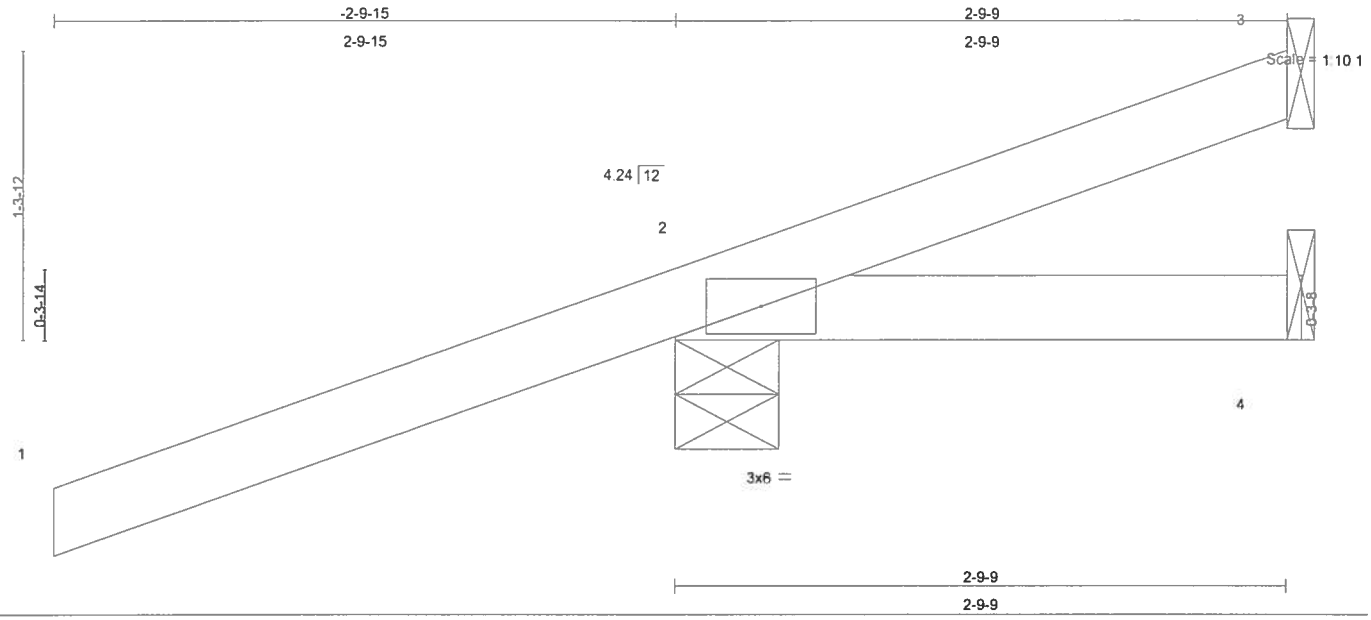

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.54	Vert(LL)	-0.00	2-4	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.04	Vert(TL)	-0.00	2-4	>999	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 13 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-9-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=-68/Mechanical, 2=289/0-5-11, 4=6/Mechanical
Max Horz 2=77(load case 3)
Max Uplift 3=-68(load case 1), 2=-292(load case 3)
Max Grav 3=95(load case 3), 2=289(load case 1), 4=31(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/50, 2-3=-44/34
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.12

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
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 68 lb uplift at joint 3 and 292 lb uplift at joint 2.
5) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1898970
L257001	HJ2	JACK	2	1	Job Reference (optional)

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-2=-54

Trapezoidal Loads (plf)

Vert: 2=-3(F=25, B=25)-to-3=-38(F=8, B=8), 2=-0(F=5, B=5)-to-4=-7(F=1, B=1)

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1898971
L257001	HJ3	JACK	1	1	Job Reference (optional)

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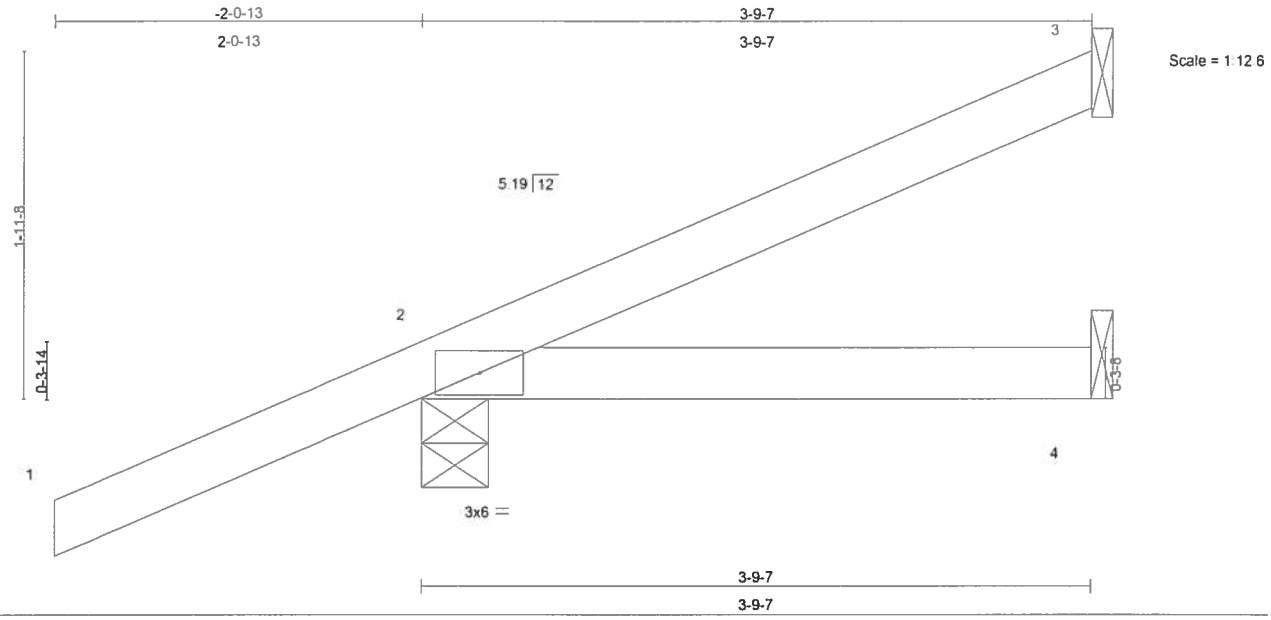

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.30	Vert(LL)	-0.01	2-4	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.08	Vert(TL)	-0.01	2-4	>999	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 15 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-9-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=23/Mechanical, 2=200/0-4-10, 4=11/Mechanical
Max Horz 2=87(load case 5)
Max Uplift 3=-3(load case 6), 2=-174(load case 5)
Max Grav 3=26(load case 7), 2=200(load case 1), 4=46(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/44, 2-3=-30/10
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.09

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
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 3 lb uplift at joint 3 and 174 lb uplift at joint 2.
5) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1898971
L257001	HJ3	JACK	1	1	Job Reference (optional)

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-2=-54

Trapezoidal Loads (plf)

Vert: 2=-3(F=26, B=26)-to-3=-51(F=1, B=1), 2=-0(F=5, B=5)-to-4=-9(F=0, B=0)

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1898972
L257001	HJ4	JACK	6	1	Job Reference (optional)

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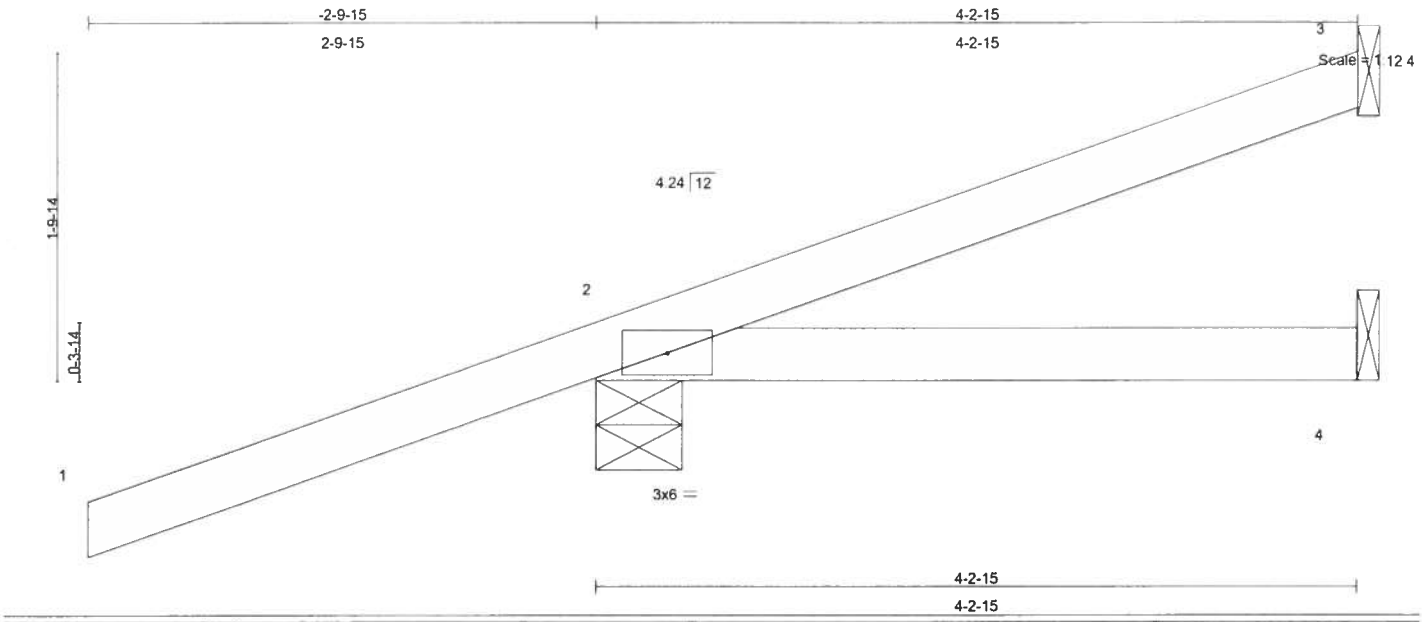

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.54	Vert(LL)	0.02	2-4	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.10	Vert(TL)	-0.02	2-4	>999	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 18 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-2-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=13/Mechanical, 2=279/0-5-11, 4=14/Mechanical
Max Horz 2=98(load case 3)
Max Uplift 3=-5(load case 6), 2=-305(load case 3), 4=-41(load case 3)
Max Grav 3=33(load case 7), 2=279(load case 1), 4=53(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/50, 2-3=-38/11
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.11

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60.
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 5 lb uplift at joint 3, 305 lb uplift at joint 2 and 41 lb uplift at joint 4.

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Continued on page 2

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1898972
L257001	HJ4	JACK	6	1	Job Reference (optional)

NOTES

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

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-2=-54

Trapezoidal Loads (plf)

Vert: 2=-3(F=25, B=25)-to-3=-57(F=-2, B=-2), 2=-0(F=5, B=5)-to-4=-11(F=-0, B=-0)

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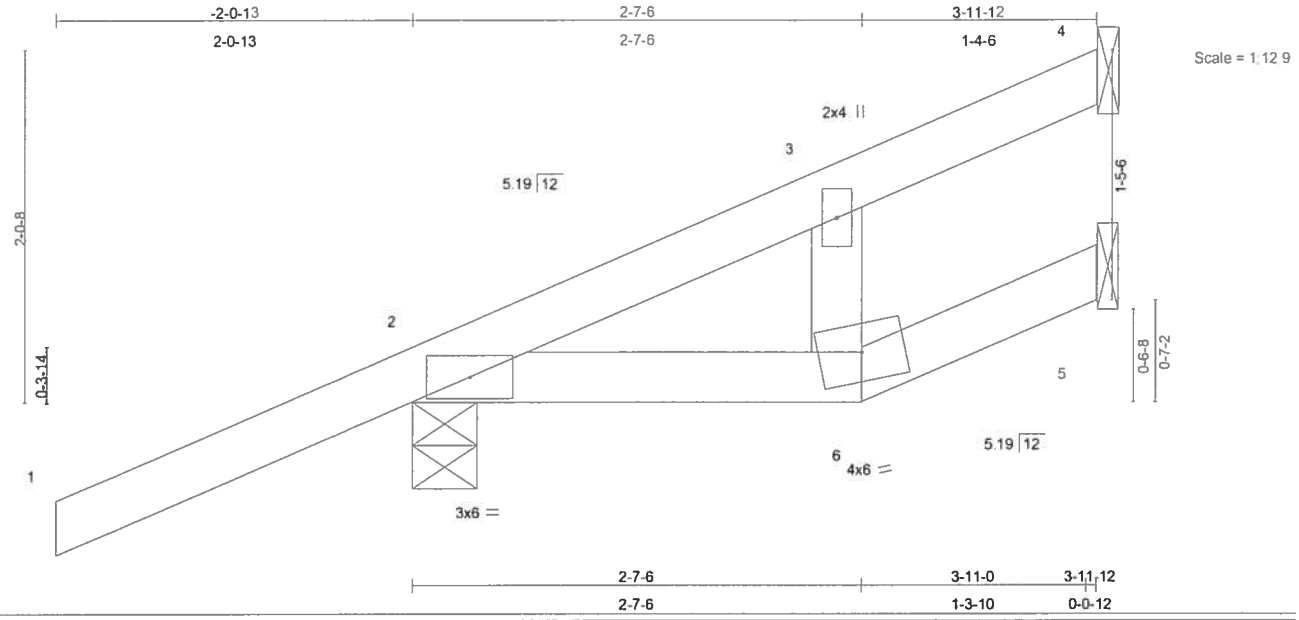
October 9,2007

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1898973
L257001	HJ4A	SPECIAL	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Tue Oct 09 09:38:26 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	0.29	Vert(LL)	-0.02	6	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.04	Vert(TL)	-0.01	6	>999	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.02	Horz(TL)	-0.01	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 18 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 3-11-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (lb/size) 4=38/Mechanical, 2=201/0-4-8, 5=6/Mechanical
Max Horz 2=90(load case 5)
Max Uplift 4=-5(load case 5), 2=-172(load case 5)
Max Grav 4=39(load case 2), 2=201(load case 1), 5=19(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/44, 2-3=-32/5, 3-4=-8/15
BOT CHORD 2-6=-7/0, 5-6=-6/6
WEBS 3-6=0/48

JOINT STRESS INDEX
2 = 0.09, 3 = 0.03 and 6 = 0.02

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
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 5 lb uplift at joint 4 and 172 lb uplift at joint 2.

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1898973
L257001	HJ4A	SPECIAL	2	1	Job Reference (optional)

NOTES

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

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-2=-54

Trapezoidal Loads (plf)

Vert: 2=-3(F=26, B=26)-to-4=-54(F=0, B=0), 2=0(F=5, B=5)-to-6=-6(F=2, B=2), 6=-6(F=2, B=2)-to-5=-10(F=0, B=0)

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1898974
L257001	HJ5A	JACK	1	1	Job Reference (optional)

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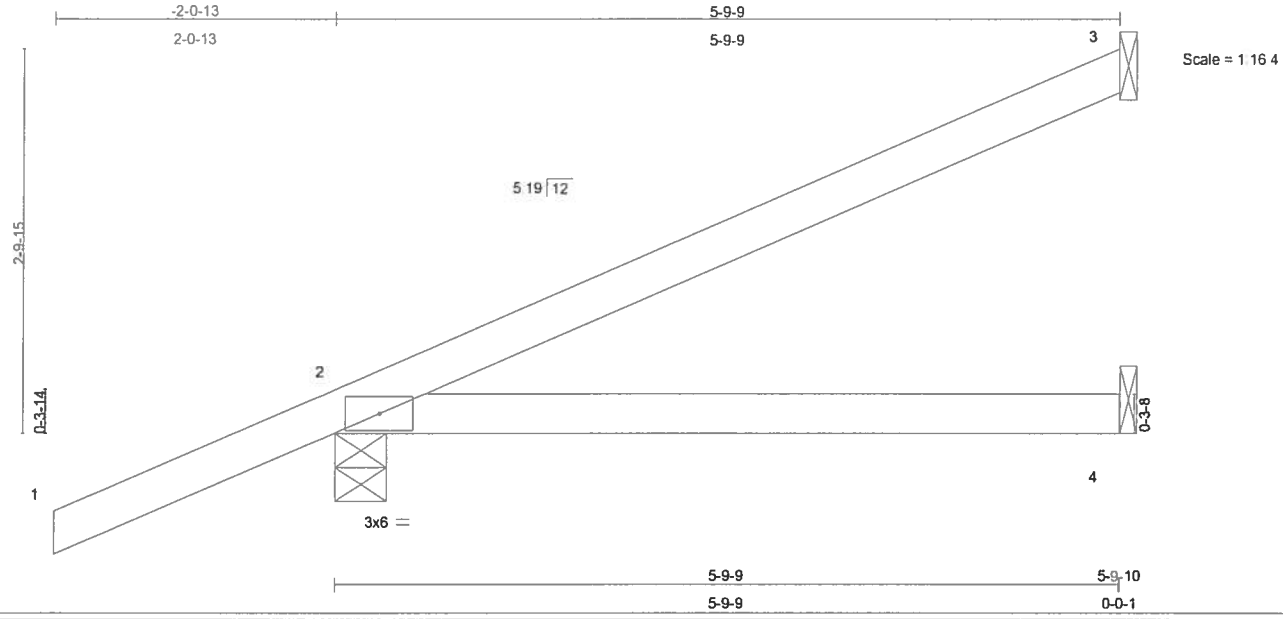

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.30	Vert(LL)	-0.05	2-4	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.22	Vert(TL)	-0.08	2-4	>868	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 22 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-9-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=122/Mechanical, 2=238/0-4-10, 4=27/Mechanical
Max Horz 2=138(load case 5)
Max Uplift 3=-98(load case 5), 2=-166(load case 5)
Max Grav 3=122(load case 1), 2=238(load case 1), 4=82(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/44, 2-3=-54/33
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.10

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
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 98 lb uplift at joint 3 and 166 lb uplift at joint 2.
5) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1898974
L257001	HJ5A	JACK	1	1	Job Reference (optional)

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-2=-54

Trapezoidal Loads (plf)

Vert: 2=-3(F=26, B=26)-to-3=-78(F=-12, B=-12), 2=-0(F=5, B=5)-to-4=-15(F=-2, B=-2)

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1898975
L257001	HJ6	SPECIAL	2	1	Job Reference (optional)

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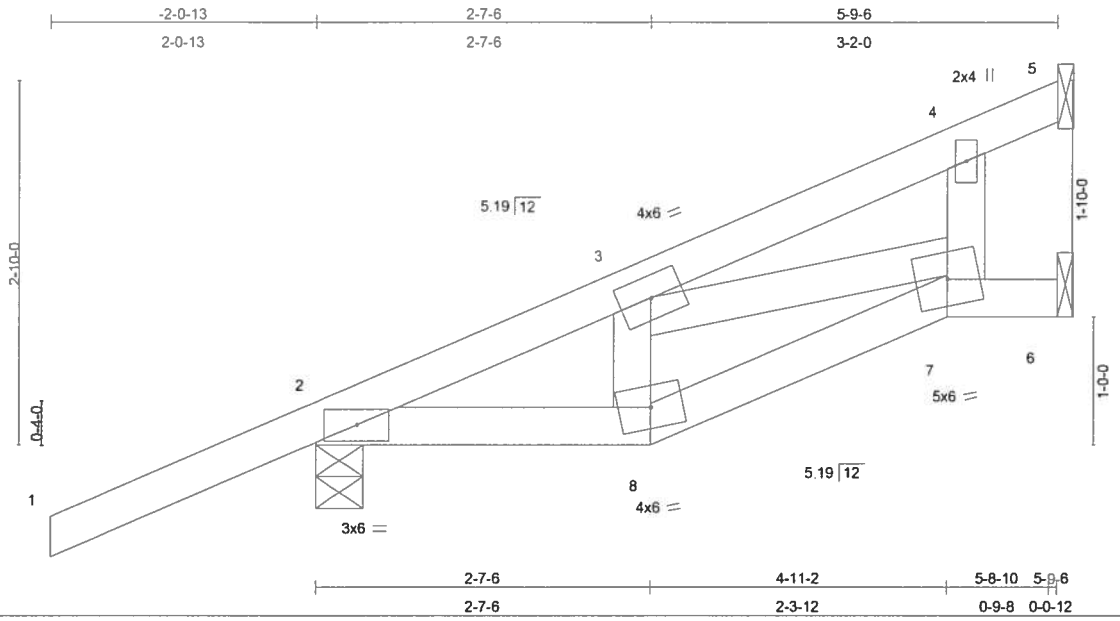

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	-0.01	7	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.06	Vert(TL)	-0.02	7	>999	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.03	Horz(TL)	0.00	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 28 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-9-6 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 5=143/Mechanical, 2=237/0-4-8, 6=5/Mechanical
Max Horz 2=134(load case 5)
Max Uplift 5=-84(load case 5), 2=-166(load case 5)
Max Grav 5=143(load case 1), 2=237(load case 1), 6=13(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/44, 2-3=-130/0, 3-4=-50/2, 4-5=-36/55
BOT CHORD 2-8=-9/112, 7-8=-10/134, 6-7=0/0
WEBS 3-7=-102/8, 4-7=0/102, 3-8=-22/14

JOINT STRESS INDEX
2 = 0.11, 3 = 0.03, 4 = 0.07, 7 = 0.05 and 8 = 0.04

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
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 84 lb uplift at joint 5 and 166 lb uplift at joint 2.

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October 9,2007

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1898975
L257001	HJ6	SPECIAL	2	1	Job Reference (optional)

NOTES

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

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-2=-54

Trapezoidal Loads (plf)

Vert: 2=-3(F=26, B=26)-to-5=-78(F=-12, B=-12), 2=0(F=5, B=5)-to-8=-6(F=2, B=2), 8=-6(F=2, B=2)-to-7=-12(F=-1, B=-1), 7=-12(F=-1, B=-1)-to-6=-14(F=-2, B=-2)

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1898976
L257001	T01	HIP	1	1	Job Reference (optional)

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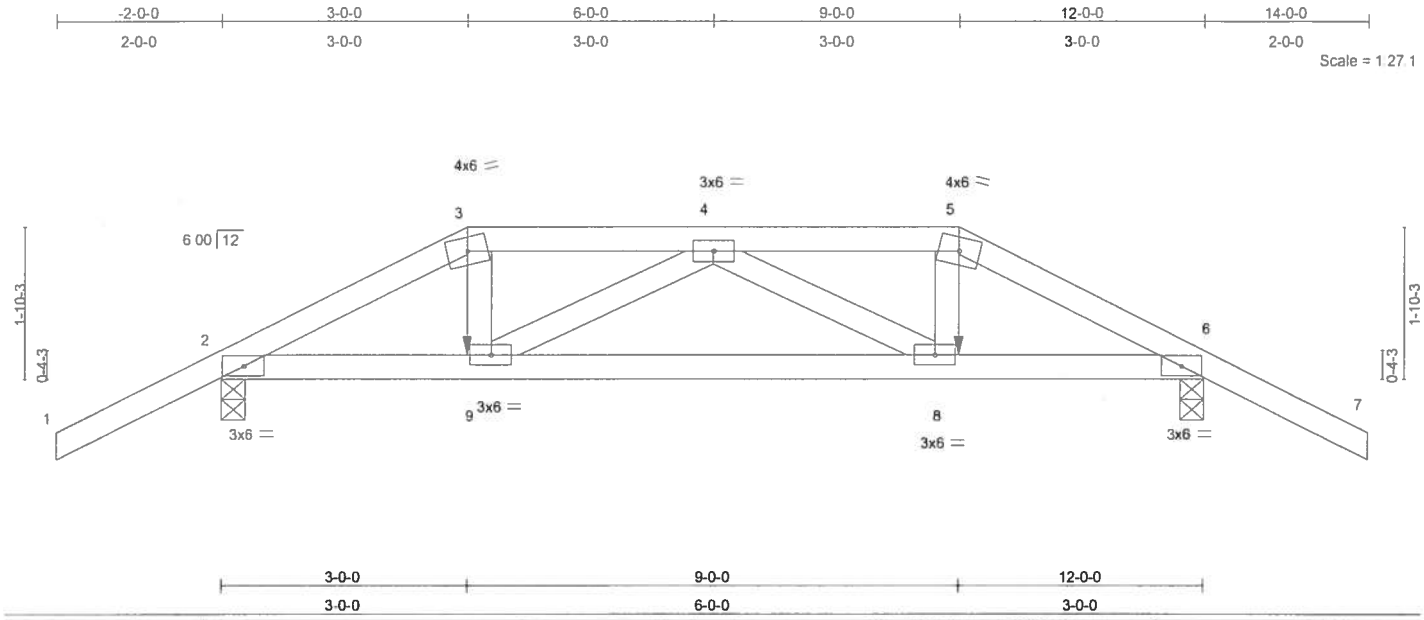

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.27	Vert(LL)	-0.03	8-9	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.22	Vert(TL)	-0.06	8-9	>999	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.07	Horz(TL)	0.01	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 56 lb	

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

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

REACTIONS (lb/size) 2=572/0-3-8, 6=572/0-3-8
Max Horz 2=54(load case 5)
Max Uplift 2=-195(load case 5), 6=-195(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-744/175, 3-4=-632/168, 4-5=-632/168, 5-6=-744/175, 6-7=0/47
BOT CHORD 2-9=-123/614, 8-9=-192/817, 6-8=-115/614
WEBS 3-9=-30/207, 4-9=-226/125, 4-8=-226/124, 5-8=-30/207

JOINT STRESS INDEX
2 = 0.46, 3 = 0.14, 4 = 0.06, 5 = 0.14, 6 = 0.46, 8 = 0.13 and 9 = 0.13

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; 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
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 195 lb uplift at joint 2 and 195 lb uplift at joint 6.

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October 9,2007

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1898976
L257001	T01	HIP	1	1	Job Reference (optional)

NOTES

7) Girder carries hip end with 3-0-0 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, 3-5=-64(F=-10), 5-7=-54, 2-9=-10, 8-9=-12(F=-2), 6-8=-10
   Concentrated Loads (lb)
   Vert: 9=-48(F) 8=-48(F)

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1898977
L257001	T02	HIP	1	1	Job Reference (optional)

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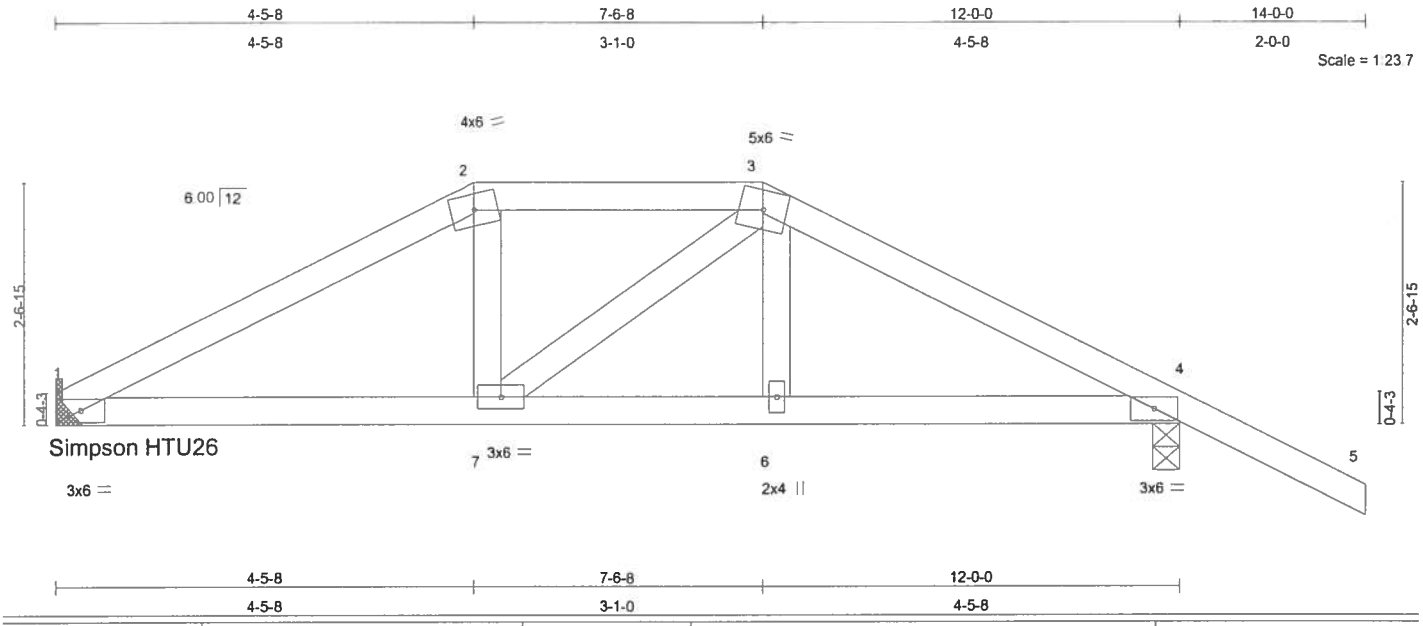

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	0.02	1-7	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.16	Vert(TL)	-0.03	1-7	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.04	Horz(TL)	0.01	4	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 52 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=364/Mechanical or 0-3-8, 4=501/0-3-8
Max Horz 1=-75(load case 7)
Max Uplift 1=-72(load case 6), 4=-174(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-580/344, 2-3=-470/361, 3-4=-553/295, 4-5=0/47
BOT CHORD 1-7=-156/468, 6-7=-103/435, 4-6=-100/436
WEBS 2-7=-4/110, 3-7=-64/101, 3-6=0/105

JOINT STRESS INDEX
1 = 0.39, 2 = 0.40, 3 = 0.17, 4 = 0.31, 6 = 0.07 and 7 = 0.07

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

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1898977
L257001	T02	HIP	1	1	Job Reference (optional)

NOTES

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 72 lb uplift at joint 1 and 174 lb uplift at joint 4.

LOAD CASE(S) Standard

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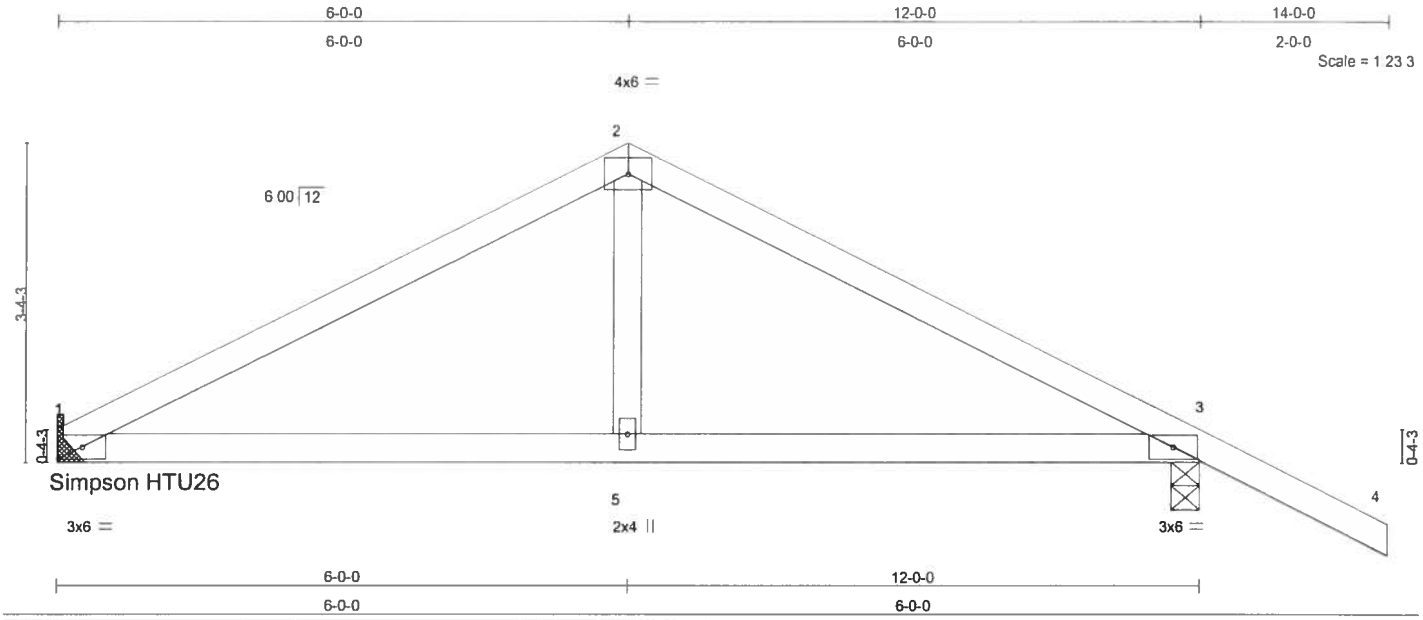
Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1898978
L257001	T03	COMMON	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Tue Oct 09 09:38:30 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	0.29	Vert(LL)	0.05	1-5	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.21	Vert(TL)	-0.06	1-5	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.07	Horz(TL)	0.01	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 46 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=364/Mechanical, 3=501/0-3-8
Max Horz 1=-84(load case 7)
Max Uplift 1=-80(load case 6), 3=-182(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-533/306, 2-3=-538/314, 3-4=0/47
BOT CHORD 1-5=-104/416, 3-5=-104/416
WEBS 2-5=0/203

JOINT STRESS INDEX
1 = 0.62, 2 = 0.75, 3 = 0.62 and 5 = 0.14

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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 80 lb uplift at joint 1 and 182 lb uplift at joint 3.

Continued on page 2

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October 9,2007

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1898978
L257001	T03	COMMON	2	1	Job Reference (optional)

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT
L257001	T04	SPECIAL	1	1	J1898979 Job Reference (optional)

Builders FirstSource, 701 S. Kings Hwy, Fort Pierce FL; 6.300 s Apr 19 2006 MiTek Industries, Inc. Tue Oct 09 12:04:08 2007 Page 1

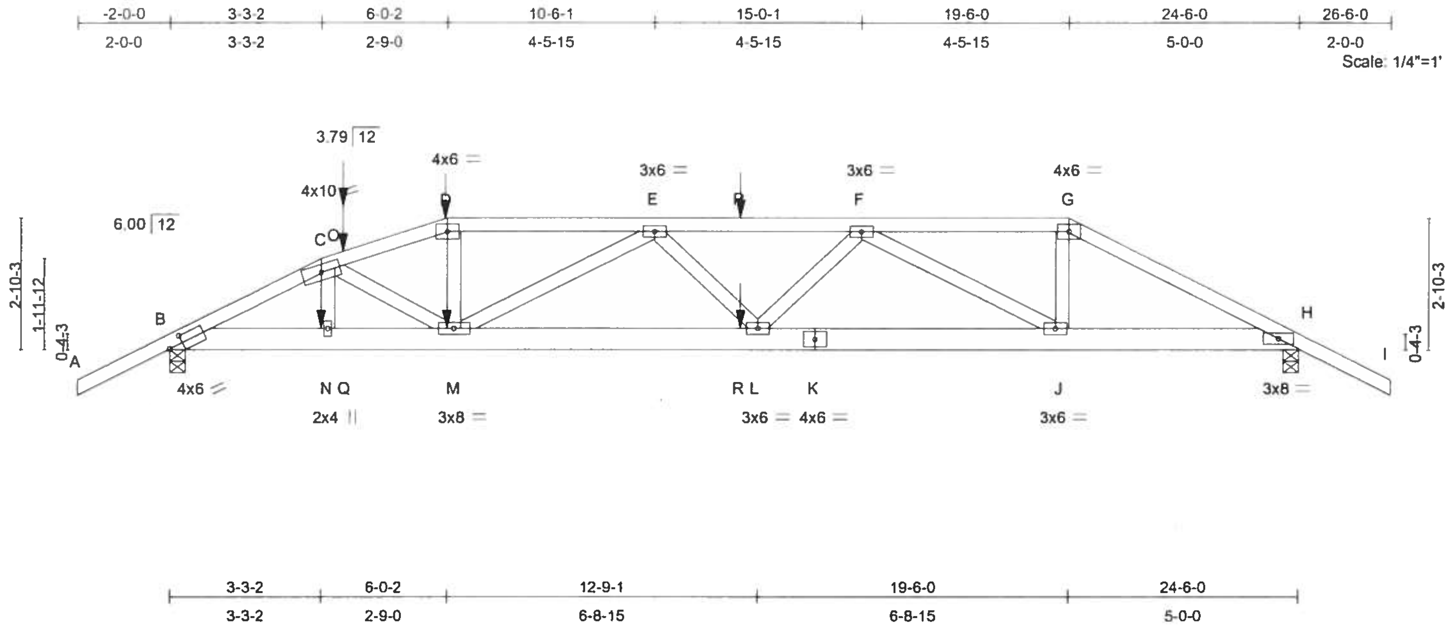

Plate Offsets (X,Y): [B:0-3-10,0-2-0], [C:0-0-0,0-0-0], [D:0-0-0,0-0-0], [E:0-0-0,0-0-0], [F:0-0-0,0-0-0], [G:0-0-0,0-0-0], [H:0-0-0,0-0-0]

LOADING	(psf)	SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.45	Vert(LL)	-0.18	L-M	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.52	Vert(TL)	-0.34	L-M	>859	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.74	Horz(TL)	0.07	H	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 6 SYP No.1D
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-10-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-3-13 oc bracing.

REACTIONS (lb/size) B=1605/0-4-0, H=1350/0-4-0
Max Horz B=68(load case 5)
Max Uplift B=-424(load case 5), H=-344(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-B=0/51, B-C=-2873/703, C-O=-3151/823, D-O=-3092/822, D-E=-3008/805, E-P=-3927/1051, F-P=-3927/1051, F-G=-2124/569, G-H=-2392/603, H-I=0/51
BOT CHORD B-N=-601/2513, N-Q=-598/2504, M-Q=-598/2504, M-R=-1008/3943, L-R=-1008/3943, K-L=-885/3491, J-K=-885/3491, H-J=-483/2076
WEBS C-N=-98/71, C-M=-179/590, D-M=-91/477, E-M=-1131/319, E-L=-41/94, F-L=-149/664, F-J=-1624/484, G-J=-183/841

JOINT STRESS INDEX
B = 0.87, C = 0.75, D = 0.72, E = 0.36, F = 0.54, G = 0.46, H = 0.77, J = 0.55, K = 0.89, L = 0.41, M = 0.57 and N = 0.34

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; 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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NOTES

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 424 lb uplift at joint B and 344 lb uplift at joint H.
7) Girder carries tie-in span(s): 5-0-0 from 6-0-2 to 12-4-8
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: A-C=-54, C-D=-54, D-P=-106(F=-52), G-P=-54, G-I=-54, B-M=-10, M-R=-17(F=-7), H-R=-10
   Concentrated Loads (lb)
   Vert: C=-23(F) D=-122(F) N=-11(F) M=-27(F) O=-73(F) P=-129(F) Q=-19(F) R=-396(F)

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT
L257001	T05	SPECIAL	1	2	J1898980 Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Tue Oct 09 09:38:32 2007 Page 1

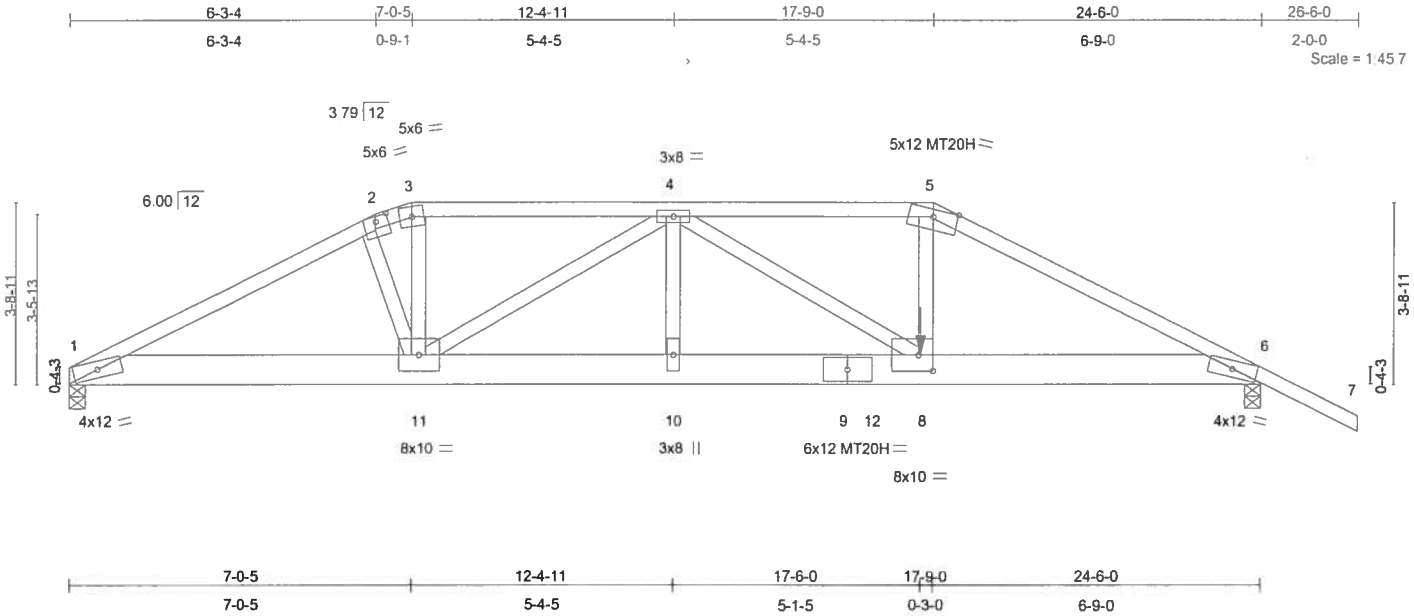

Plate Offsets (X,Y): [2:0-3-0,0-1-3], [8:0-3-8,0-4-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.69	Vert(LL)	-0.22	8-10	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.48	Vert(TL)	-0.42	8-10	>685	240	MT20H	187/143
BCLL	10.0	* Rep Stress Incr	NO	WB	0.71	Horz(TL)	0.08	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 303 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 8 SYP 2400F 2.0E
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-5-4 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=6456/0-4-0, 6=5066/0-4-0
Max Horz 1=-95(load case 6)
Max Uplift 1=-1710(load case 5), 6=-1386(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-10921/2910, 2-3=-10664/2881, 3-4=-10277/2778, 4-5=-9649/2623, 5-6=-10638/2843, 6-7=0/54
BOT CHORD 1-11=-2574/9741, 10-11=-3209/12115, 9-10=-3209/12115, 9-12=-3209/12115, 8-12=-3209/12115, 6-8=-2478/9454
WEBS 3-11=-891/3107, 4-11=-2248/634, 4-10=-646/2464, 4-8=-3007/863, 5-8=-1159/4396, 2-11=-450/1608

JOINT STRESS INDEX
1 = 0.78, 2 = 0.96, 3 = 0.70, 4 = 0.69, 5 = 0.96, 6 = 0.77, 8 = 0.45, 9 = 0.84, 10 = 0.39 and 11 = 0.30

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT
					J1898980
L257001	T05	SPECIAL	1	2	Job Reference (optional)

NOTES

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
   Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
   Bottom chords connected as follows: 2 X 8 - 2 rows at 0-9-0 oc.
   Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc, Except member 8-5 2 X 4 - 1 row at 0-6-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) 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) All plates are MT20 plates unless otherwise indicated.
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 1710 lb uplift at joint 1 and 1386 lb uplift at joint 6.
10) Girder carries tie-in span(s): 31-8-4 from 0-0-0 to 16-6-0

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
      Vert: 1-2=-54, 2-3=-54, 3-5=-54, 5-7=-54, 1-12=-480(F=-470), 6-12=-10
   Concentrated Loads (lb)
      Vert: 8=-2187(F)

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1898981
L257001	T06	HIP	1	1	Job Reference (optional)

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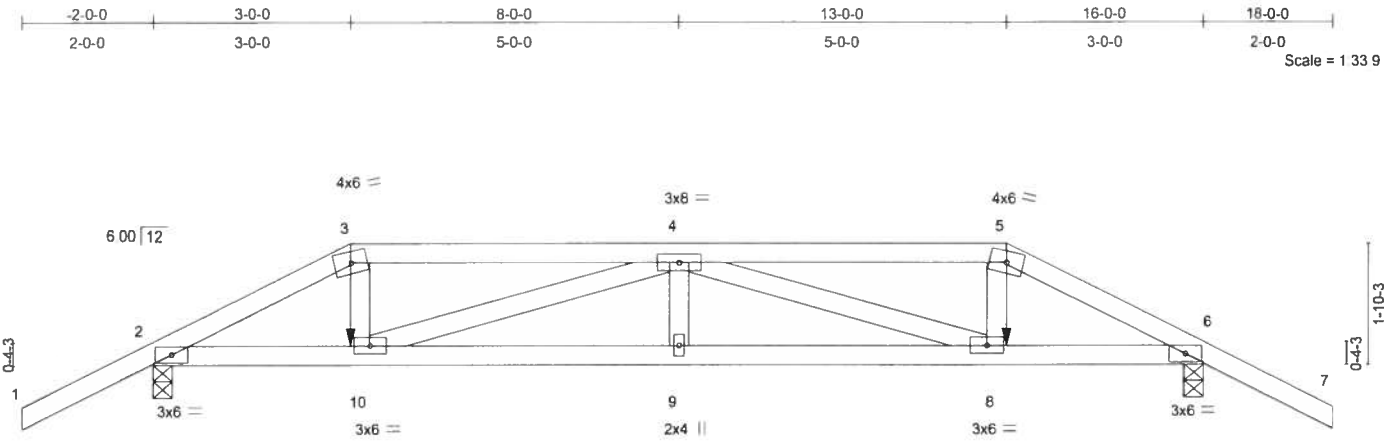

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.27	Vert(LL)	-0.06	9	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.36	Vert(TL)	-0.12	9	>999	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.30	Horz(TL)	0.04	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 75 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-11-1 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=723/0-3-8, 6=723/0-3-8
Max Horz 2=-54(load case 6)
Max Uplift 2=-215(load case 5), 6=-215(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-1085/289, 3-4=-950/274, 4-5=-950/274, 5-6=-1085/289, 6-7=0/47
BOT CHORD 2-10=-227/925, 9-10=-396/1559, 8-9=-396/1559, 6-8=-219/925
WEBS 3-10=-43/284, 4-10=-652/224, 4-9=0/159, 4-8=-652/224, 5-8=-43/284

JOINT STRESS INDEX
2 = 0.62, 3 = 0.37, 4 = 0.29, 5 = 0.37, 6 = 0.62, 8 = 0.18, 9 = 0.11 and 10 = 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; 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
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 215 lb uplift at joint 2 and 215 lb uplift at joint 6.

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1898981
L257001	T06	HIP	1	1	Job Reference (optional)

NOTES

7) Girder carries hip end with 3-0-0 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, 3-5=-64(F=-10), 5-7=-54, 2-10=-10, 8-10=-12(F=-2), 6-8=-10
   Concentrated Loads (lb)
   Vert: 10=-48(F) 8=-48(F)

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT
L257001	T07	HIP	1	2	J1898982 Job Reference (optional)

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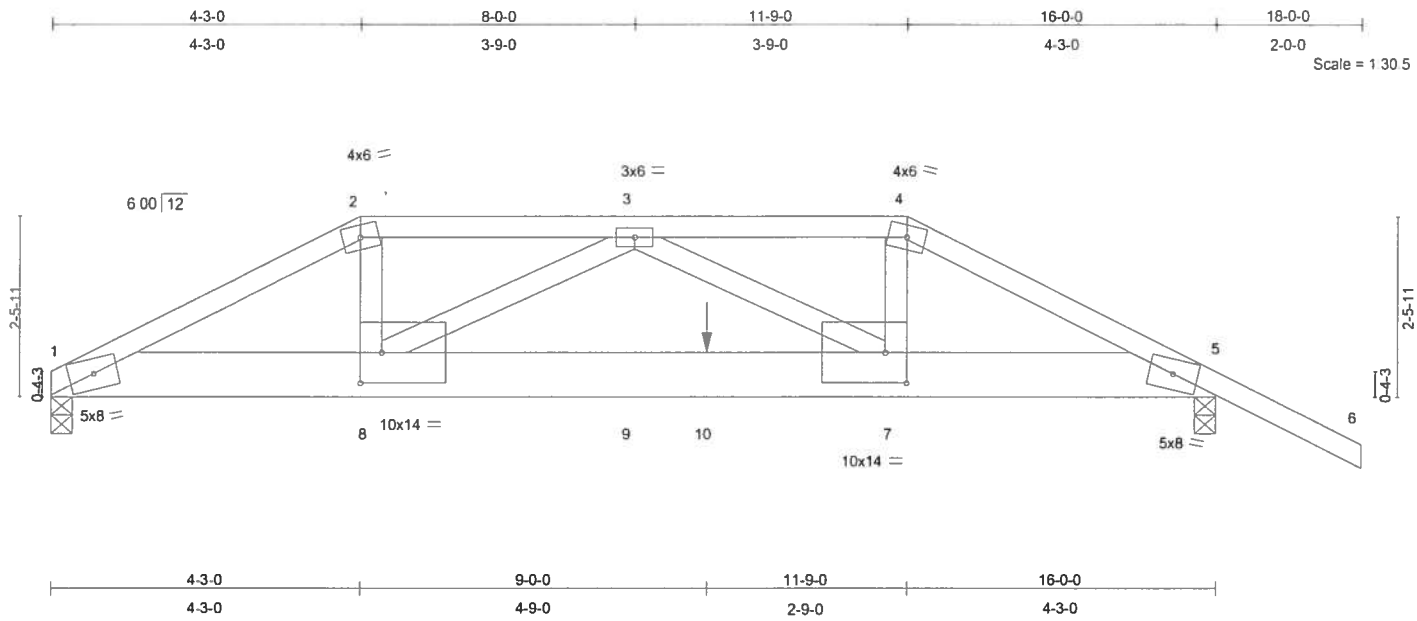

Plate Offsets (X,Y): [7:0-3-8,0-5-0], [8:0-3-8,0-5-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.25	Vert(LL)	-0.15	7-8	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.55	Vert(TL)	-0.30	7-8	>636	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.53	Horz(TL)	0.03	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 189 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 8 SYP 2400F 2.0E
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-7-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=4220/0-3-8, 5=2783/0-3-8
Max Horz 1=-80(load case 6)
Max Uplift 1=-1120(load case 4), 5=-782(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-7936/2114, 2-3=-7309/1976, 3-4=-6013/1623, 4-5=-6549/1737, 5-6=0/54
BOT CHORD 1-8=-1860/7071, 8-9=-1808/6849, 9-10=-1808/6849, 7-10=-1808/6849, 5-7=-1507/5817
WEBS 2-8=-879/3311, 3-8=-181/548, 3-7=-1005/331, 4-7=-710/2735

JOINT STRESS INDEX
1 = 0.80, 2 = 0.87, 3 = 0.19, 4 = 0.87, 5 = 0.80, 7 = 0.32 and 8 = 0.32

NOTES
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2 X 8 - 2 rows at 0-7-0 oc.
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT
L257001	T07	HIP	1	2	J1898982 Job Reference (optional)

NOTES

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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1120 lb uplift at joint 1 and 782 lb uplift at joint 5.
9) Girder carries tie-in span(s): 31-8-4 from 0-0-0 to 8-0-0

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-2=-54, 2-4=-54, 4-6=-54, 1-9=-480(F=-470), 5-9=-10
   Concentrated Loads (lb)
   Vert: 10=-2187(F)

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT
L257001	T08	HIP	1	2	J1898983
					Job Reference (optional)

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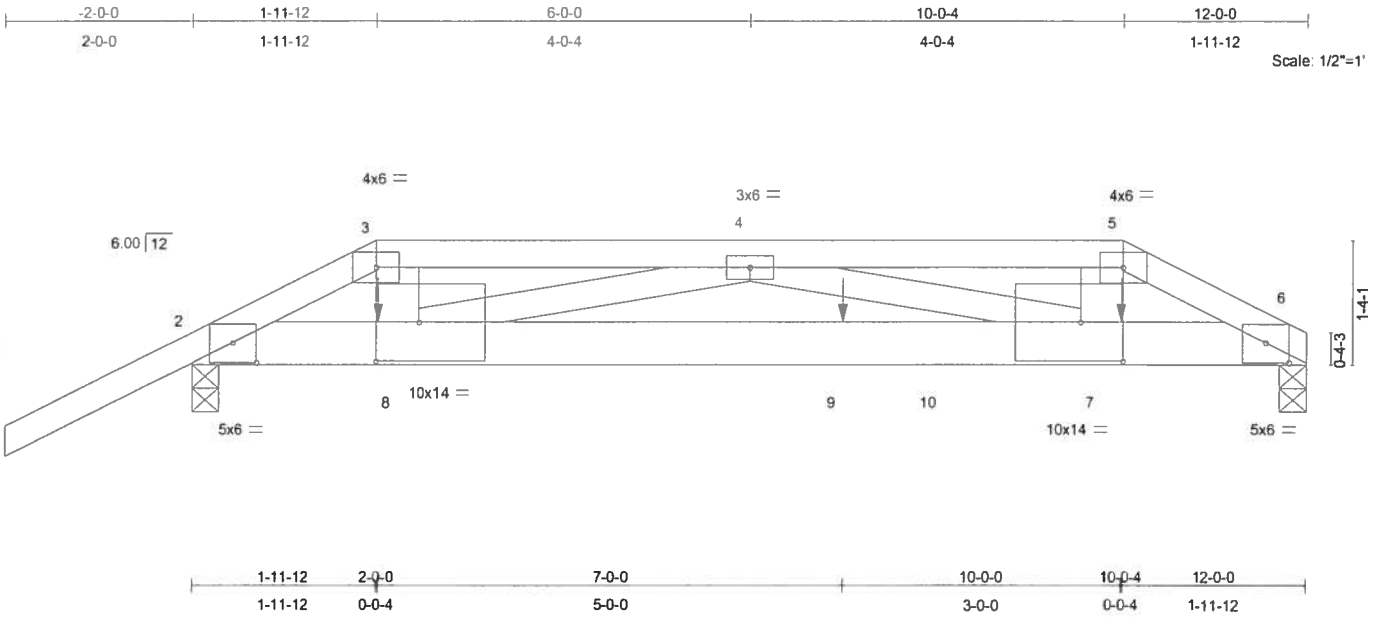

Plate Offsets (X,Y): [2:0-3-0,0-2-9], [6:0-3-0,0-2-9], [7:0-5-8,0-5-0], [8:0-5-8,0-5-0]

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)	-0.19	7-8	>754	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.99	Vert(TL)	-0.36	7-8	>391	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.19	Horz(TL)	0.03	6	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 6 SYP No.1D
WEBS 2 X 6 SYP No.1D *Except*
4-8 2 X 4 SYP No.3, 4-7 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-9-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 6=3060/0-3-8, 2=1634/0-3-8
Max Horz 2=64(load case 5)
Max Uplift 6=-824(load case 3), 2=-467(load case 5)
Max Grav 6=3062(load case 10), 2=1634(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/51, 2-3=-4332/1152, 3-4=-4270/1140, 4-5=-7030/1899, 5-6=-7133/1916
BOT CHORD 2-8=-1011/3795, 8-9=-1703/6157, 9-10=-1703/6157, 7-10=-1703/6157, 6-7=-1668/6234
WEBS 3-8=-509/2030, 4-8=-1958/622, 4-7=-313/913, 5-7=-901/3410

JOINT STRESS INDEX
2 = 0.82, 3 = 0.76, 4 = 0.39, 5 = 0.76, 6 = 0.82, 7 = 0.26 and 8 = 0.26

NOTES
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2 X 6 - 2 rows at 0-7-0 oc.
Webs connected as follows: 2 X 6 - 2 rows at 0-9-0 oc, 2 X 4 - 1 row at 0-9-0 oc.

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT
					J1898983
L257001	T08	HIP	1	2	Job Reference (optional)

NOTES

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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 824 lb uplift at joint 6 and 467 lb uplift at joint 2.
9) Girder carries tie-in span(s): 31-8-4 from 8-0-0 to 11-8-0
10) Girder carries hip end with 2-0-0 end setback.

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-3=-54, 3-5=-50(F=4), 5-6=-54, 2-8=-10, 8-10=-9(F=1), 7-10=-480(F=-470), 6-7=-480(F=-470)
   Concentrated Loads (lb)
   Vert: 8=-11(F) 7=-11(F) 9=-2032(F)

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1898984
L257001	T09	SPECIAL	1	1	Job Reference (optional)

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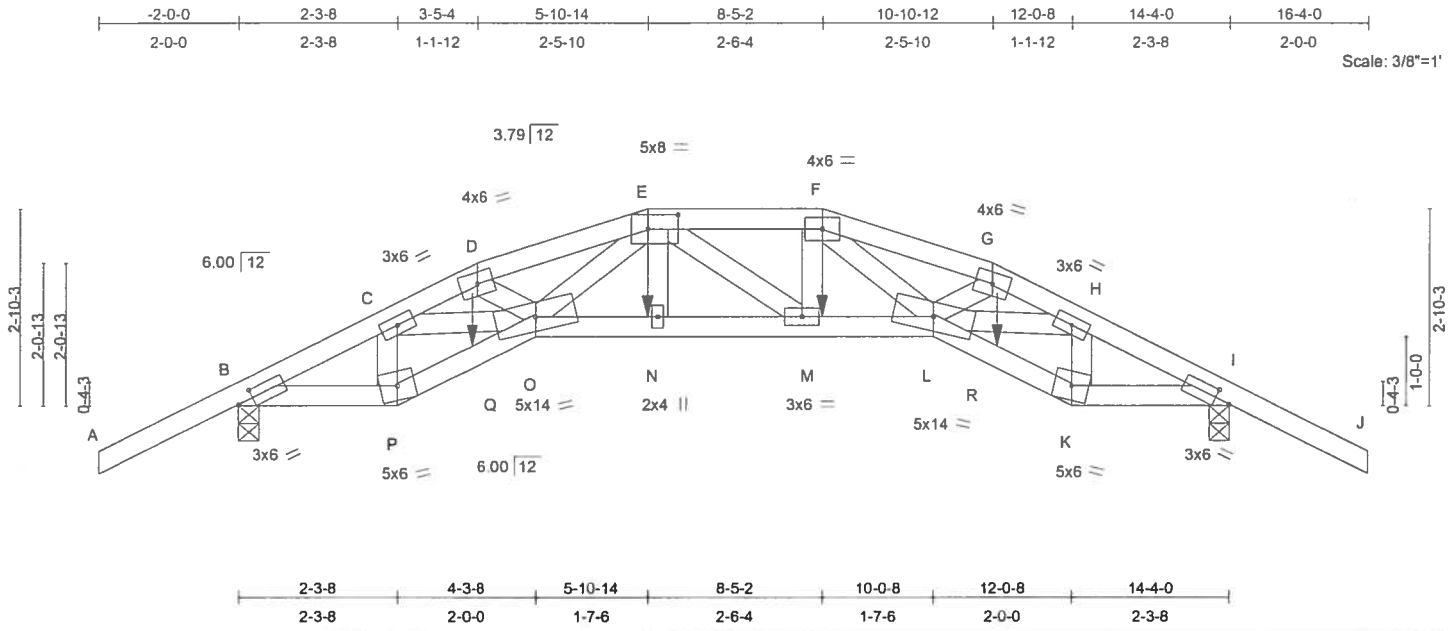

Plate Offsets (X,Y): [B:0-2-10,0-1-8], [C:0-0-0,0-0-0], [D:0-0-0,0-0-0], [E:0-5-4,0-2-8], [F:0-0-0,0-0-0], [G:0-0-0,0-0-0], [H:0-0-0,0-0-0], [I:0-2-10,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.27	Vert(LL)	-0.10	N	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.59	Vert(TL)	-0.20	M-N	>835	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.39	Horz(TL)	0.12	I	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 77 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 3-5-1 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-4-9 oc bracing.

REACTIONS (lb/size) B=1076/0-3-8, I=1076/0-3-8
Max Horz B=66(load case 5)
Max Uplift B=-395(load case 5), I=-395(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-B=0/47, B-C=-1758/537, C-D=-2949/911, D-E=-3096/968, E-F=-2551/838, F-G=-3095/964, G-H=-2948/907, H-I=-1758/537, I-J=0/47
BOT CHORD B-P=-436/1493, P-Q=-448/1539, O-Q=-468/1601, N-O=-738/2521, M-N=-745/2547, L-M=-738/2524, L-R=-464/1601, K-R=-444/1539, I-K=-432/1493
WEBS C-P=-614/198, C-O=-406/1204, D-O=-112/454, E-O=-165/571, E-N=-76/282, E-M=-79/87, F-M=-86/326, F-L=-151/567, G-L=-111/455, H-L=-403/1203, H-K=-614/186

JOINT STRESS INDEX
B = 0.78, C = 0.59, D = 0.81, E = 0.66, F = 0.49, G = 0.81, H = 0.59, I = 0.78, K = 0.40, L = 0.64, M = 0.21, N = 0.21, O = 0.64 and P = 0.40

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; Lumber DOL=1.60 plate grip DOL=1.60.
3) Provide adequate drainage to prevent water ponding.

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1898984
L257001	T09	SPECIAL	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 395 lb uplift at joint B and 395 lb uplift at joint I.
7) Girder carries hip end with 3-5-4 right side setback, 3-5-4 left side setback, and 5-0-0 end setback.
8) Girder carries hip end with 5-10-14 right side setback, 5-10-14 left side setback, and 5-0-0 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: A-D=-54, D-E=-91(F=-37), E-F=-91(F=-37), F-G=-91(F=-37), G-J=-54, B-P=-10, P-Q=-10, O-Q=-17(F=-7), L-O=-17(F=-7), L-R=-17(F=-7), K-R=-10, I-K=-10
   Concentrated Loads (lb)
   Vert: N=-221(F) M=-221(F) Q=-128(F) R=-128(F)

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1898985
L257001	T10	SPECIAL	1	1	Job Reference (optional)

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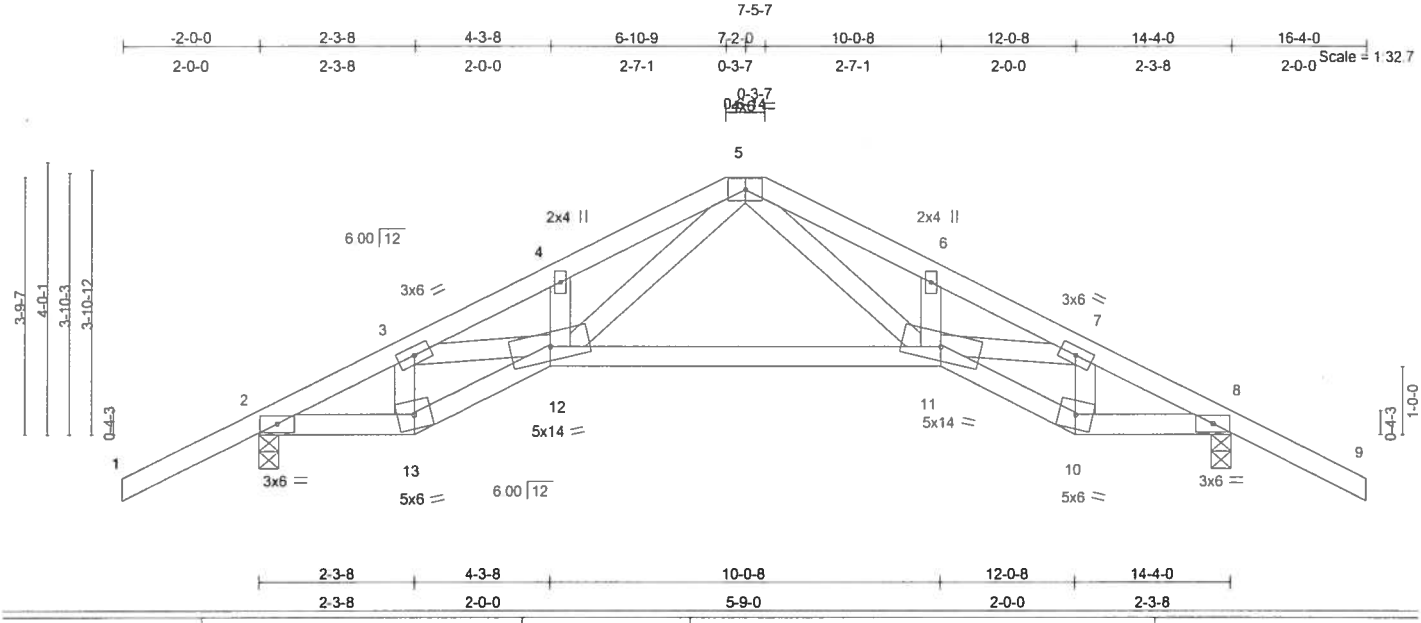

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	-0.04	11-12	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.19	Vert(TL)	-0.10	11-12	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.18	Horz(TL)	0.04	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 75 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-11-6 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=565/0-3-8, 8=565/0-3-8
Max Horz 2=-78(load case 7)
Max Uplift 2=-196(load case 6), 8=-196(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-697/295, 3-4=-1102/465, 4-5=-1092/540, 5-6=-1092/540, 6-7=-1102/465, 7-8=-697/295, 8-9=0/47
BOT CHORD 2-13=-123/574, 12-13=-122/602, 11-12=-73/566, 10-11=-122/602, 8-10=-123/574
WEBS 3-13=-277/122, 3-12=-140/427, 4-12=-121/143, 5-12=-241/551, 5-11=-241/551, 6-11=-121/143, 7-11=-140/427, 7-10=-277/122

JOINT STRESS INDEX
2 = 0.56, 3 = 0.20, 4 = 0.07, 5 = 0.36, 6 = 0.07, 7 = 0.20, 8 = 0.56, 10 = 0.17, 11 = 0.19, 12 = 0.19 and 13 = 0.17

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

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1898985
L257001	T10	SPECIAL	1	1	Job Reference (optional)

NOTES

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 196 lb uplift at joint 2 and 196 lb uplift at joint 8.

LOAD CASE(S) Standard

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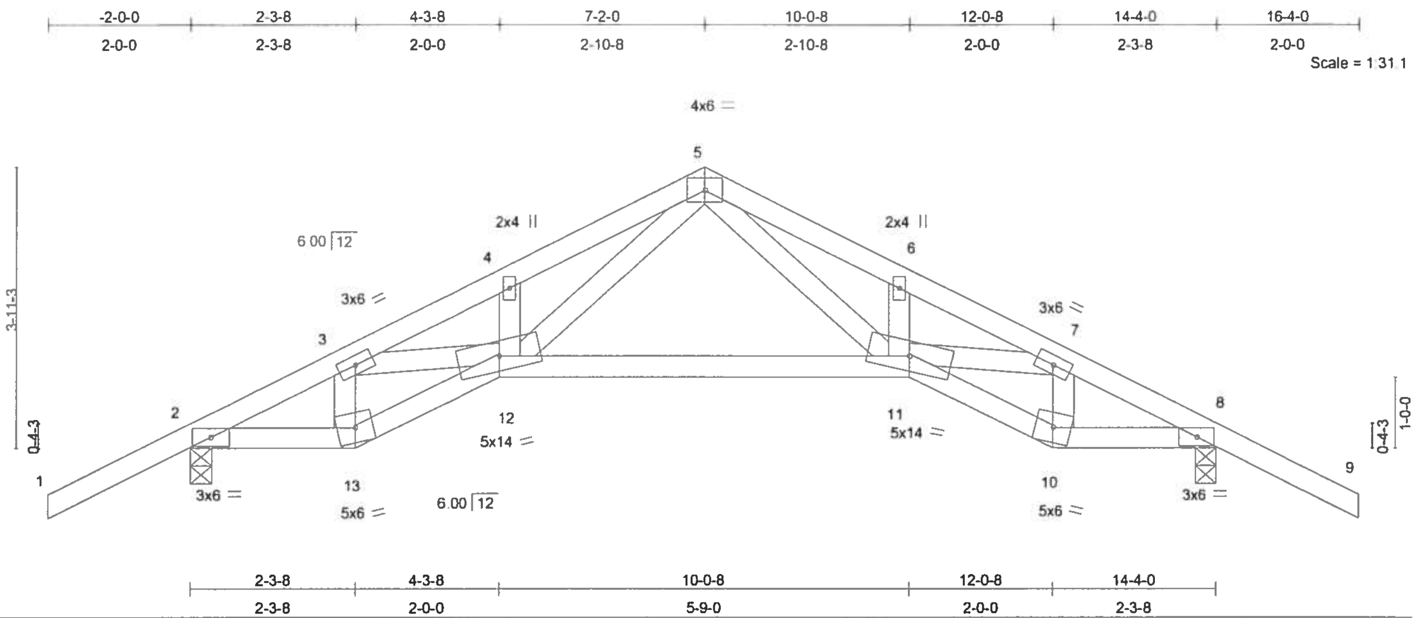
Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1898986
L257001	T11	SPECIAL	1	1	Job Reference (optional)



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	-0.04	11-12	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.19	Vert(TL)	-0.10	11-12	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.18	Horz(TL)	0.04	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 75 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-11-6 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=565/0-3-8, 8=565/0-3-8
Max Horz 2=-78(load case 7)
Max Uplift 2=-196(load case 6), 8=-196(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-697/295, 3-4=-1102/465, 4-5=-1092/540, 5-6=-1092/540, 6-7=-1102/465, 7-8=-697/295, 8-9=0/47
BOT CHORD 2-13=-123/574, 12-13=-122/602, 11-12=-73/566, 10-11=-122/602, 8-10=-123/574
WEBS 3-13=-277/122, 3-12=-140/427, 4-12=-121/143, 5-12=-241/551, 5-11=-241/551, 6-11=-121/143, 7-11=-140/427, 7-10=-277/122

JOINT STRESS INDEX
2 = 0.56, 3 = 0.20, 4 = 0.07, 5 = 0.41, 6 = 0.07, 7 = 0.20, 8 = 0.56, 10 = 0.17, 11 = 0.19, 12 = 0.19 and 13 = 0.17

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

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1898986
L257001	T11	SPECIAL	1	1	Job Reference (optional)

NOTES

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 196 lb uplift at joint 2 and 196 lb uplift at joint 8.

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1898987
L257001	T12	SPECIAL	1	1	Job Reference (optional)

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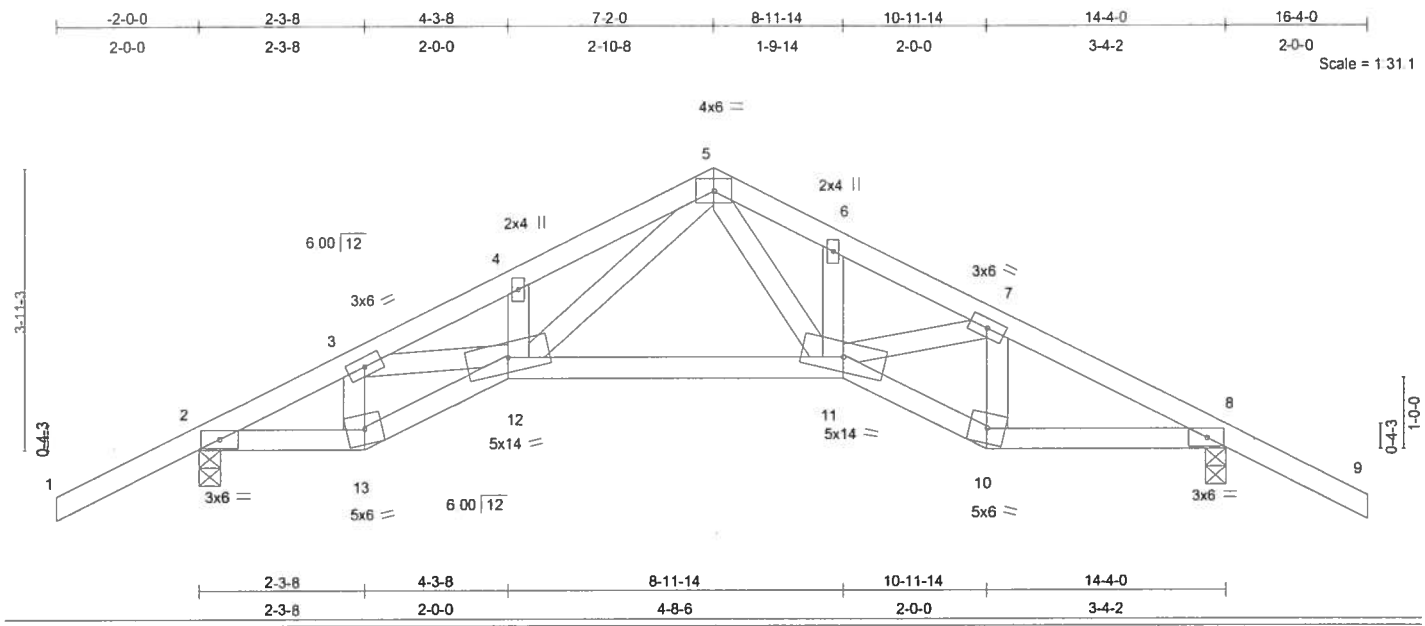

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	-0.04	11-12	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.19	Vert(TL)	-0.07	11-12	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.17	Horz(TL)	0.04	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 76 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-11-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=565/0-3-8, 8=565/0-3-8
Max Horz 2=-78(load case 7)
Max Uplift 2=-196(load case 6), 8=-196(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-701/294, 3-4=-1091/467, 4-5=-1085/544, 5-6=-858/458, 6-7=-890/409, 7-8=-711/335, 8-9=0/47
BOT CHORD 2-13=-122/576, 12-13=-121/601, 11-12=-68/566, 10-11=-163/627, 8-10=-152/584
WEBS 3-13=-267/121, 3-12=-142/414, 4-12=-122/150, 5-12=-250/538, 5-11=-177/372, 6-11=-84/95, 7-11=-24/215, 7-10=-265/128

JOINT STRESS INDEX
2 = 0.55, 3 = 0.20, 4 = 0.08, 5 = 0.40, 6 = 0.05, 7 = 0.11, 8 = 0.48, 10 = 0.16, 11 = 0.15, 12 = 0.18 and 13 = 0.16

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

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1898987
L257001	T12	SPECIAL	1	1	Job Reference (optional)

NOTES

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 196 lb uplift at joint 2 and 196 lb uplift at joint 8.

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT
L257001	T13	SPECIAL	1	2	J1898988
					Job Reference (optional)

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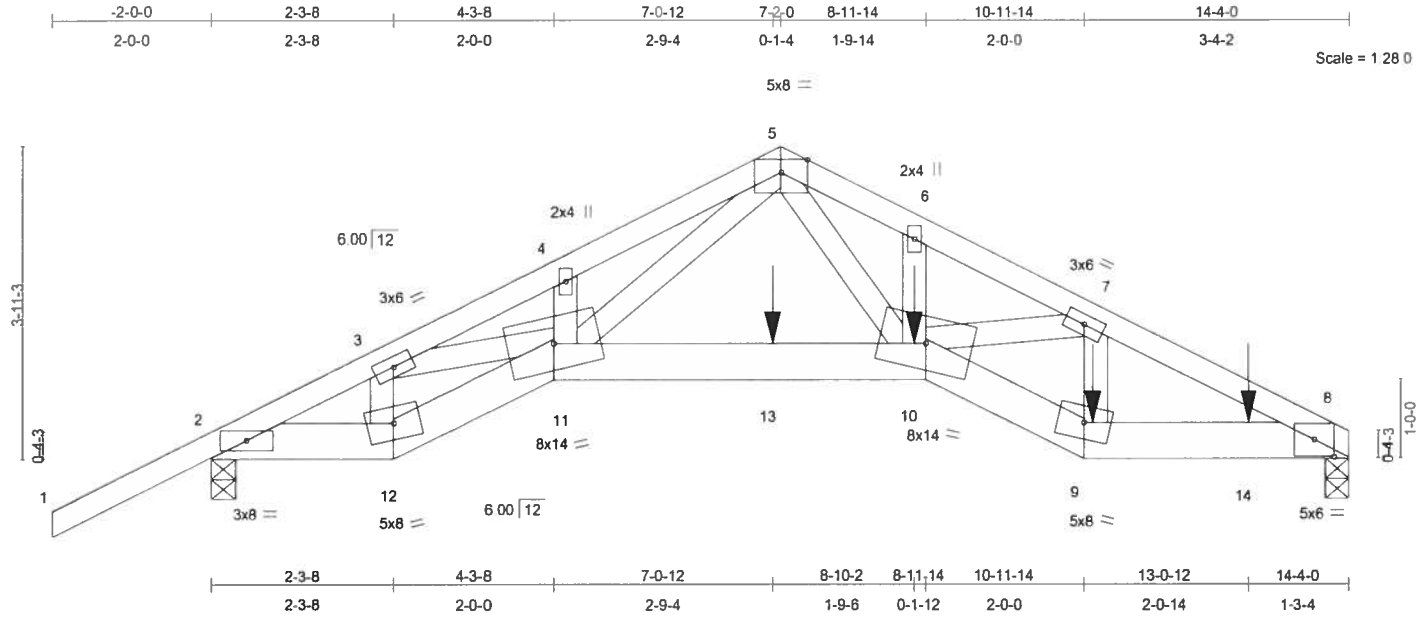

Plate Offsets (X,Y): [8:0-3-0,0-2-9]

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)	-0.17	10-11	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.91	Vert(TL)	-0.32	10-11	>528	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.88	Horz(TL)	0.12	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 169 lb	

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

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

REACTIONS (lb/size) 8=3770/0-3-8, 2=2302/0-3-8
Max Horz 2=95(load case 5)
Max Uplift 8=-1017(load case 6), 2=-675(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/51, 2-3=-4414/1133, 3-4=-8061/2094, 4-5=-7906/2100, 5-6=-8538/2304, 6-7=-8756/2327, 7-8=-6597/1775
BOT CHORD 2-12=-979/3910, 11-12=-1009/4050, 11-13=-1208/4741, 10-13=-1208/4741, 9-10=-1711/6452, 9-14=-1557/5873, 8-14=-1556/5868
WEBS 3-12=-1893/535, 3-11=-942/3486, 4-11=-51/315, 6-10=-97/426, 7-10=-535/2101, 7-9=-1715/458, 5-11=-870/3258, 5-10=-1496/5461

JOINT STRESS INDEX
2 = 0.67, 3 = 0.82, 4 = 0.11, 5 = 0.78, 6 = 0.14, 7 = 0.51, 8 = 0.75, 9 = 0.81, 10 = 0.56, 11 = 0.46 and 12 = 0.58

NOTES
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2 X 6 - 2 rows at 0-6-0 oc.
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT
L257001	T13	SPECIAL	1	2	J1898988 Job Reference (optional)

NOTES

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) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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 1017 lb uplift at joint 8 and 675 lb uplift at joint 2.

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-5=-54, 5-8=-54, 2-12=-10, 11-12=-10, 10-11=-10, 9-10=-10, 8-9=-10
   Concentrated Loads (lb)
   Vert: 10=-1005(F) 9=-1005(F) 13=-2042(F) 14=-1005(F)

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT
L257001	T14	HIP	1	1	J1898989 Job Reference (optional)

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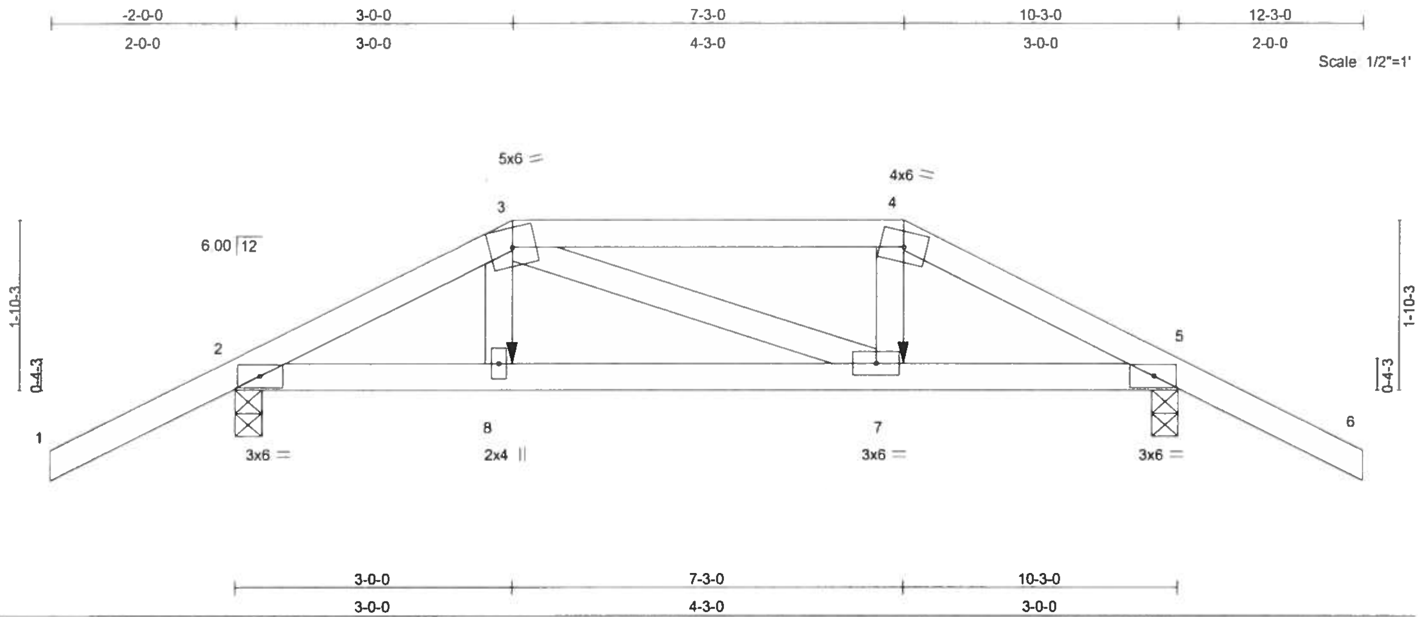

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.27	Vert(LL)	0.02	7-8	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.20	Vert(TL)	-0.03	7-8	>999	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.04	Horz(TL)	0.01	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 48 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) 2=508/0-3-8, 5=505/0-3-8
Max Horz 2=-54(load case 6)
Max Uplift 2=-312(load case 5), 5=-311(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-620/355, 3-4=-516/329, 4-5=-616/348, 5-6=0/47
BOT CHORD 2-8=-285/513, 7-8=-277/507, 5-7=-270/509
WEBS 3-8=-91/130, 3-7=-49/30, 4-7=-87/130

JOINT STRESS INDEX
2 = 0.53, 3 = 0.16, 4 = 0.26, 5 = 0.51, 7 = 0.08 and 8 = 0.09

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; 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
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 312 lb uplift at joint 2 and 311 lb uplift at joint 5.

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1898989
L257001	T14	HIP	1	1	Job Reference (optional)

NOTES

7) Girder carries hip end with 3-0-0 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=-64(F=-10), 4-6=-54, 2-8=-10, 7-8=-12(F=-2), 5-7=-10
   Concentrated Loads (lb)
   Vert: 8=-48(F) 7=-48(F)

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1898990
L257001	T15	HIP	1	1	Job Reference (optional)

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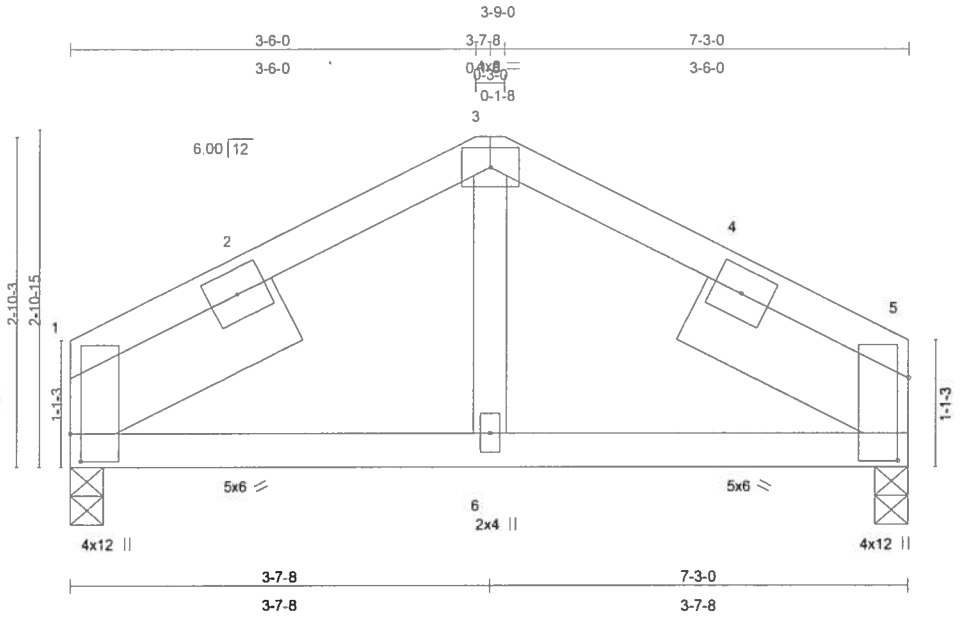

Plate Offsets (X,Y): [1:0-2-14,0-1-2], [5:0-8-10,0-1-2]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.12	Vert(LL)	0.01	1-6	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.07	Vert(TL)	-0.01	1-6	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.03	Horz(TL)	-0.00	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 40 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 8 SYP No.1D 2-1-15, Right 2 X 8 SYP No.1D 2-1-15

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=232/0-3-8, 5=232/0-3-8
Max Horz 1=-33(load case 4)
Max Uplift 1=-139(load case 6), 5=-139(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=-266/393, 2-3=-199/414, 3-4=-199/414, 4-5=-264/393
BOT CHORD	1-6=-242/178, 5-6=-242/178
WEBS	3-6=-209/106

JOINT STRESS INDEX
1 = 0.27, 1 = 0.14, 2 = 0.00, 3 = 0.21, 4 = 0.00, 5 = 0.27, 5 = 0.14 and 6 = 0.08

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 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.

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1898990
L257001	T15	HIP	1	1	Job Reference (optional)

NOTES

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 139 lb uplift at joint 1 and 139 lb uplift at joint 5.

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1898991
L257001	T16	COMMON	1	1	Job Reference (optional)

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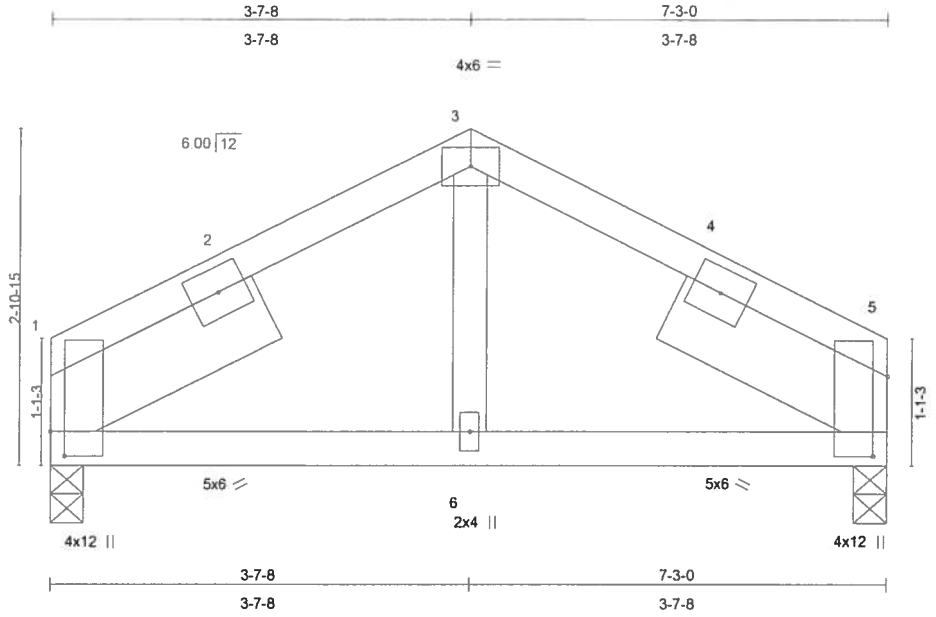

Plate Offsets (X,Y): [1:0-2-9,0-1-8], [5:0-8-5,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.12	Vert(LL)	0.01	5-6	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.07	Vert(TL)	-0.01	5-6	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.03	Horz(TL)	-0.00	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 40 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 8 SYP No.1D 2-1-15, Right 2 X 8 SYP No.1D 2-1-15

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=232/0-3-8, 5=232/0-3-8
Max Horz 1=-33(load case 4)
Max Uplift 1=-139(load case 6), 5=-139(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-266/393, 2-3=-199/414, 3-4=-199/414, 4-5=-264/393
BOT CHORD 1-6=-242/178, 5-6=-242/178
WEBS 3-6=-209/106

JOINT STRESS INDEX
1 = 0.32, 1 = 0.14, 2 = 0.00, 3 = 0.21, 4 = 0.00, 5 = 0.32, 5 = 0.14 and 6 = 0.08

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 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.

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1898991
L257001	T16	COMMON	1	1	Job Reference (optional)

NOTES

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 139 lb uplift at joint 1 and 139 lb uplift at joint 5.

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1898992
L257001	T17	SPECIAL	1	1	Job Reference (optional)

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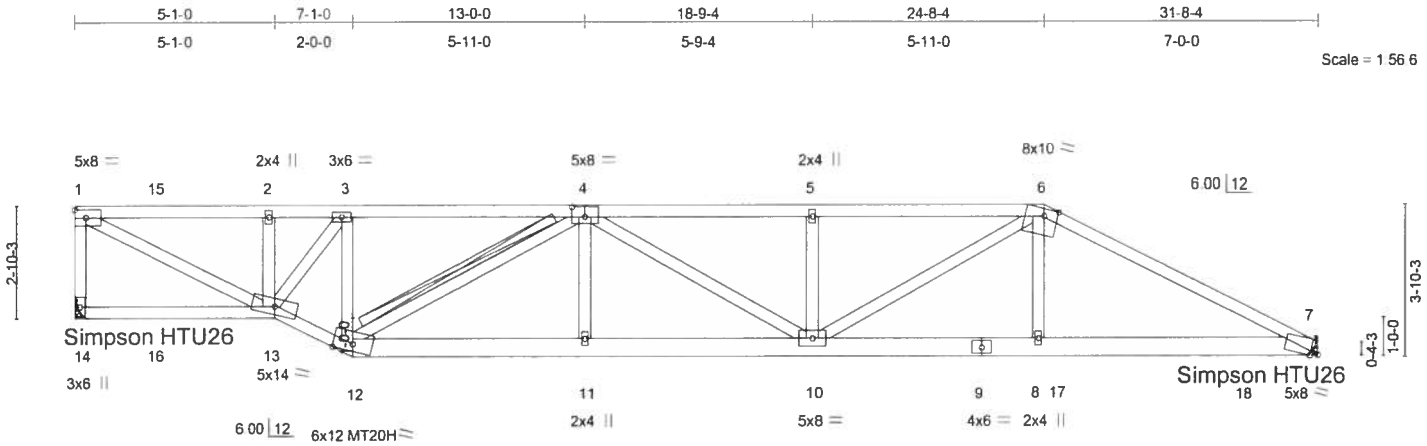

Plate Offsets (X,Y): [4:0-4-0,0-3-0], [6:0-4-3,Edge], [7:0-2-7,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.88	Vert(LL)	-0.30	10-11	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.85	Vert(TL)	-0.58	10-11	>655	240	MT20H	187/143
BCLL	10.0	* Rep Stress Incr	NO	WB	0.69	Horz(TL)	0.08	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 183 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
9-12 2 X 6 SYP No.1D, 7-9 2 X 6 SYP No.1D
WEBS 2 X 4 SYP No.3 *Except*
1-13 2 X 4 SYP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-3-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-4-2 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 4-12
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) 14=2042/Mechanical, 7=2032/Mechanical
Max Horz 14=-112(load case 6)
Max Uplift 14=-561(load case 3), 7=-506(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-14=-1968/568, 1-15=-3407/933, 2-15=-3407/933, 2-3=-3407/933, 3-4=-3405/960, 4-5=-4759/1315, 5-6=-4759/1315, 6-7=-3940/1022
BOT CHORD 14-16=0/123, 13-16=0/123, 12-13=-980/3733, 11-12=-1259/4827, 10-11=-1259/4826, 9-10=-867/3473, 8-9=-867/3473, 8-17=-866/3455, 17-18=-866/3455, 7-18=-866/3455
WEBS 1-13=-1018/3721, 2-13=-238/118, 3-13=-34/71, 3-12=-544/214, 4-12=-1652/442, 4-11=0/279, 4-10=-79/43, 5-10=-673/311, 6-10=-470/1491, 6-8=-40/423

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1898992
L257001	T17	SPECIAL	1	1	Job Reference (optional)

JOINT STRESS INDEX

1 = 0.73, 2 = 0.33, 3 = 0.40, 4 = 0.66, 5 = 0.33, 6 = 0.80, 7 = 0.73, 8 = 0.33, 9 = 0.90, 10 = 0.67, 11 = 0.33, 12 = 0.80, 13 = 0.87 and 14 = 0.43

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 plates are MT20 plates 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 561 lb uplift at joint 14 and 506 lb uplift at joint 7.
7) Girder carries tie-in span(s): 7-0-0 from 25-0-0 to 29-9-0
8) Girder carries hip end with 7-0-0 right side setback, 2-0-0 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: 1-15=-54, 6-15=-118(F=-64), 6-7=-54, 14-16=-10, 13-16=-22(F=-12), 12-13=-22(F=-12), 8-12=-22(F=-12), 8-17=-10, 17-18=-85(F=-75), 7-18=-10

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1898993
L257001	T18	SPECIAL	1	1	Job Reference (optional)

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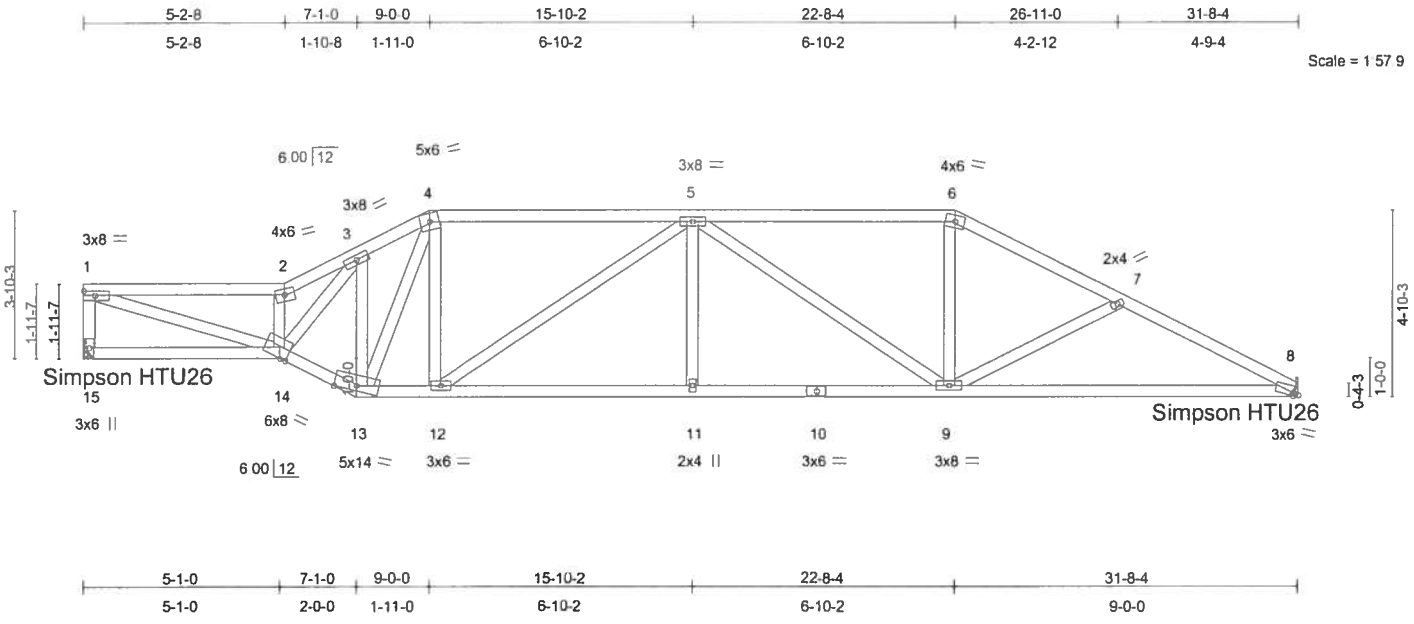

Plate Offsets (X,Y): [8:0-1-9,0-0-7], [14:0-1-11,0-0-1]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.61	Vert(LL)	0.19	11-12	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.55	Vert(TL)	-0.33	11-12	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.77	Horz(TL)	0.08	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 174 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 3-7-13 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-8-13 oc bracing.

REACTIONS (lb/size) 15=1005/Mechanical, 8=1005/Mechanical
Max Horz 15=-108(load case 7)
Max Uplift 15=-205(load case 4), 8=-189(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-15=-933/520, 1-2=-2440/1298, 2-3=-2859/1553, 3-4=-1686/1000, 4-5=-1456/879, 5-6=-1462/886, 6-7=-1665/925, 7-8=-1892/1047
BOT CHORD 14-15=-22/177, 13-14=-753/1637, 12-13=-645/1448, 11-12=-823/1785, 10-11=-823/1785, 9-10=-823/1785, 8-9=-860/1642
WEBS 1-14=-1270/2387, 2-14=-1416/821, 3-14=-844/1673, 3-13=-816/431, 4-13=-169/202, 4-12=-68/315, 5-12=-489/212, 5-11=0/187, 5-9=-490/204, 6-9=-180/430, 7-9=-222/237

JOINT STRESS INDEX
1 = 0.75, 2 = 0.81, 3 = 0.85, 4 = 0.45, 5 = 0.56, 6 = 0.67, 7 = 0.33, 8 = 0.81, 9 = 0.56, 10 = 0.59, 11 = 0.33, 12 = 0.34, 13 = 0.50, 14 = 0.85 and 15 = 0.38

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

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1898993
L257001	T18	SPECIAL	1	1	Job Reference (optional)

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 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 205 lb uplift at joint 15 and 189 lb uplift at joint 8.

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1898994
L257001	T19	HIP	1	1	Job Reference (optional)

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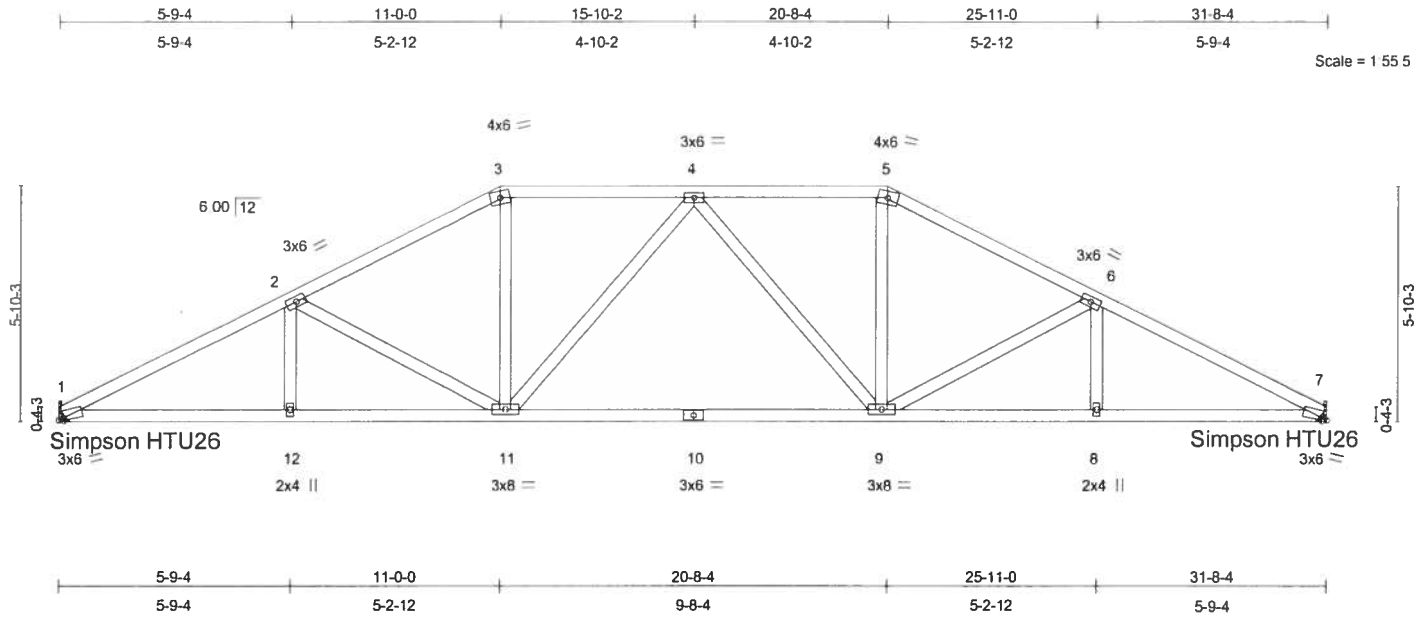

Plate Offsets (X,Y): [1:0-1-9,0-0-7], [7:0-1-9,0-0-7]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	-0.19	9-11	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.53	Vert(TL)	-0.38	9-11	>983	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.26	Horz(TL)	0.08	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 160 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 4-4-4 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-8-8 oc bracing.

REACTIONS (lb/size) 1=1005/Mechanical, 7=1005/Mechanical
Max Horz 1=71(load case 5)
Max Uplift 1=-193(load case 6), 7=-193(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1911/1043, 2-3=-1532/888, 3-4=-1322/853, 4-5=-1322/853, 5-6=-1532/888, 6-7=-1911/1043
BOT CHORD 1-12=-846/1639, 11-12=-846/1639, 10-11=-641/1426, 9-10=-641/1426, 8-9=-846/1639, 7-8=-846/1639
WEBS 2-12=0/144, 2-11=-378/319, 3-11=-185/387, 4-11=-277/120, 4-9=-277/120, 5-9=-185/387, 6-9=-378/319, 6-8=0/144

JOINT STRESS INDEX
1 = 0.78, 2 = 0.39, 3 = 0.55, 4 = 0.38, 5 = 0.55, 6 = 0.39, 7 = 0.78, 8 = 0.33, 9 = 0.56, 10 = 0.63, 11 = 0.56 and 12 = 0.33

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.

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1898994
L257001	T19	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 193 lb uplift at joint 1 and 193 lb uplift at joint 7.

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1898995
L257001	T20	HIP	1	1	Job Reference (optional)

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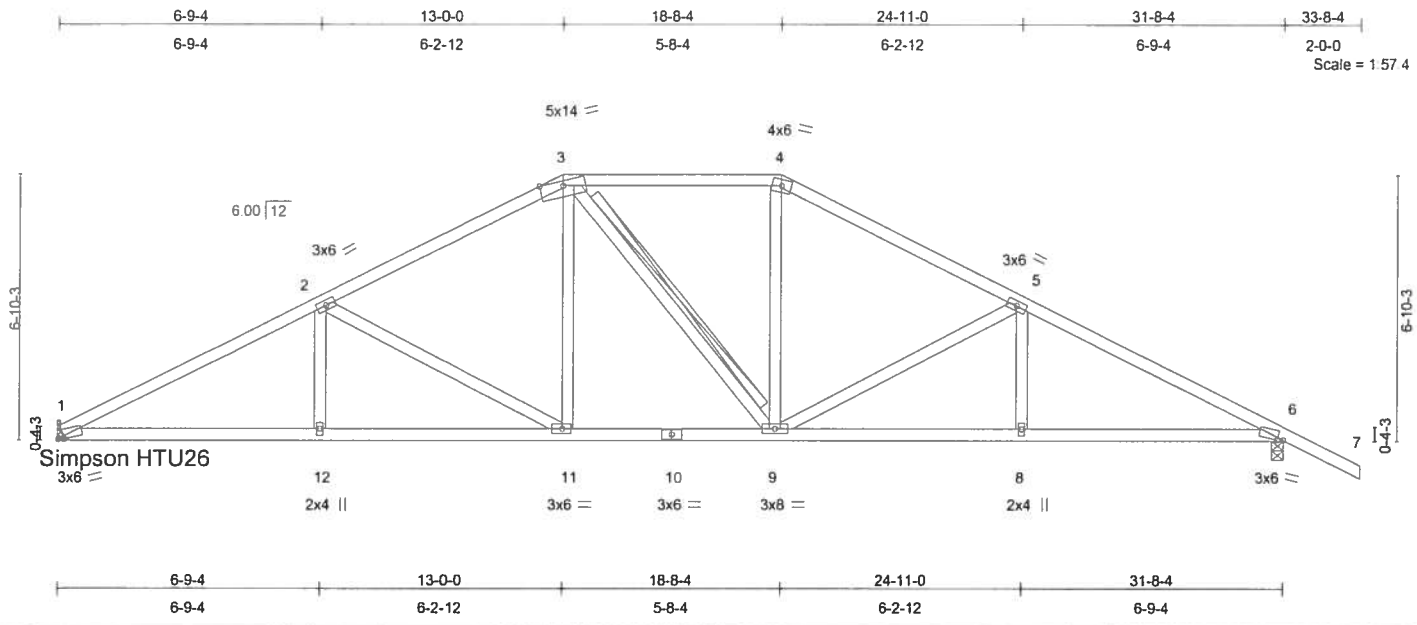

Plate Offsets (X,Y): [1:0-1-13,0-0-7], [6:0-1-13,0-0-7]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.36	Vert(LL)	0.11	9-11	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.45	Vert(TL)	-0.18	9-11	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.44	Horz(TL)	0.08	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 163 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 4-3-5 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-0-12 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 3-9
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) 1=1001/Mechanical, 6=1125/0-3-8
Max Horz 1=-126(load case 7)
Max Uplift 1=-205(load case 6), 6=-299(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1876/1024, 2-3=-1396/835, 3-4=-1183/811, 4-5=-1394/830, 5-6=-1846/975, 6-7=0/47
BOT CHORD 1-12=-739/1601, 11-12=-739/1601, 10-11=-402/1184, 9-10=-402/1184, 8-9=-688/1570, 6-8=-688/1570
WEBS 2-12=0/216, 2-11=-481/386, 3-11=-143/327, 3-9=-154/153, 4-9=-130/325, 5-9=-448/331, 5-8=0/211

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JOINT STRESS INDEX
1 = 0.83, 2 = 0.39, 3 = 0.79, 4 = 0.70, 5 = 0.39, 6 = 0.77, 8 = 0.33, 9 = 0.56, 10 = 0.40, 11 = 0.34 and 12 = 0.33

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1898995
L257001	T20	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 205 lb uplift at joint 1 and 299 lb uplift at joint 6.

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1898996
L257001	T21	HIP	1	1	Job Reference (optional)

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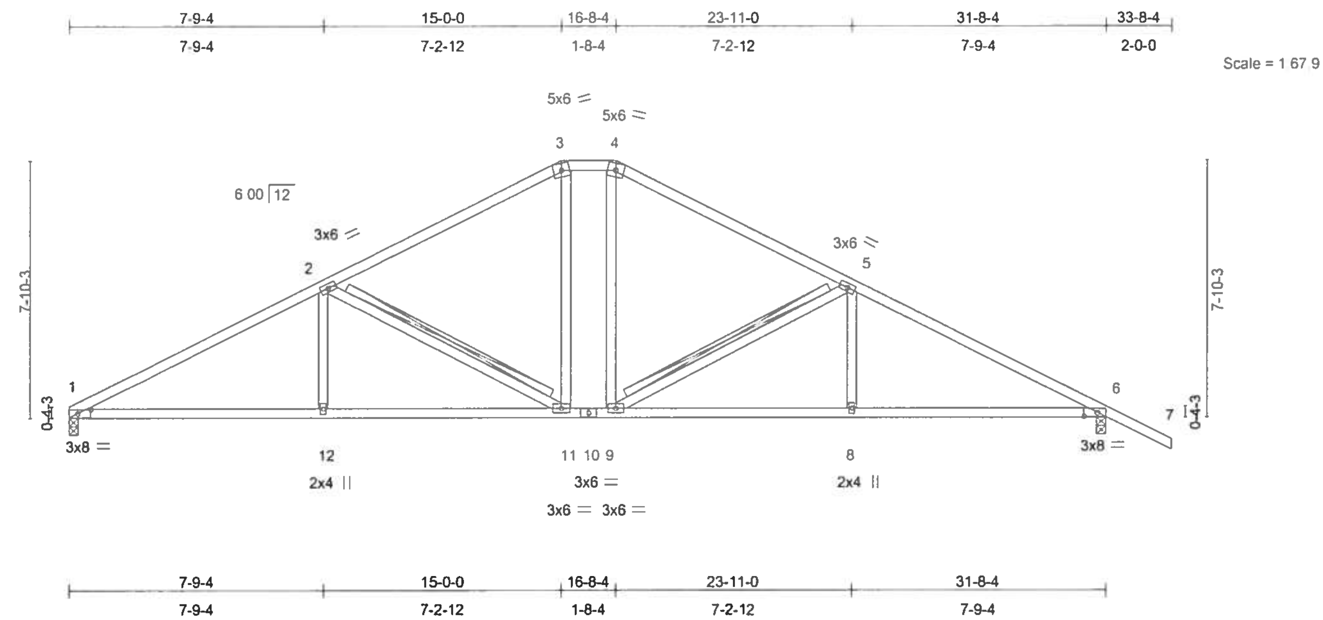

Plate Offsets (X,Y): [1:0-4-12,0-1-8], [6:0-4-12,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.43	Vert(LL)	0.15	1-12	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.50	Vert(TL)	-0.24	8-9	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.26	Horz(TL)	0.08	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 160 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 4-1-10 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-0-3 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 2-11, 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) 1=1001/0-3-8, 6=1125/0-3-8
Max Horz 1=-138(load case 7)
Max Uplift 1=-215(load case 6), 6=-310(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1842/1017, 2-3=-1273/793, 3-4=-1059/786, 4-5=-1272/792, 5-6=-1819/979, 6-7=0/47
BOT CHORD 1-12=-721/1564, 11-12=-721/1564, 10-11=-323/1059, 9-10=-323/1059, 8-9=-680/1539, 6-8=-680/1539
WEBS 2-12=0/253, 2-11=-618/454, 3-11=-180/309, 4-9=-170/307, 5-9=-590/408, 5-8=0/249

JOINT STRESS INDEX
1 = 0.70, 2 = 0.39, 3 = 0.58, 4 = 0.58, 5 = 0.39, 6 = 0.71, 8 = 0.33, 9 = 0.34, 10 = 0.42, 11 = 0.34 and 12 = 0.33

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1898996
L257001	T21	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 215 lb uplift at joint 1 and 310 lb uplift at joint 6.

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1898997
L257001	T22	SPECIAL	3	1	Job Reference (optional)

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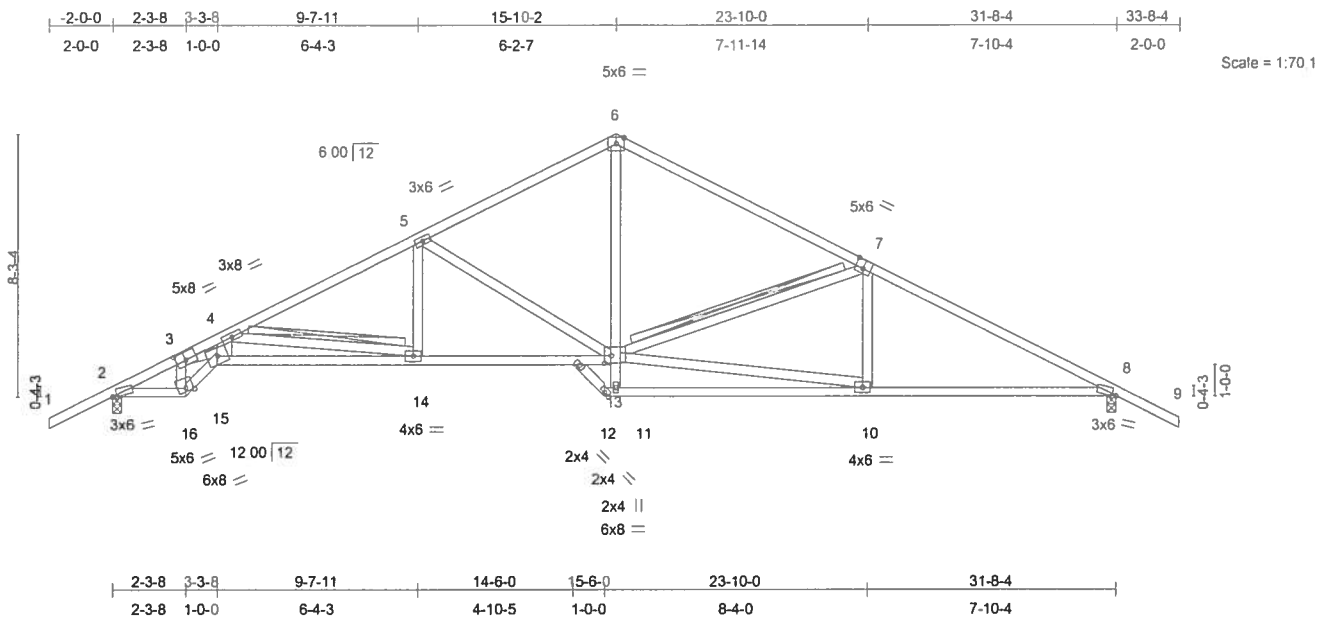

Plate Offsets (X,Y): [2:0-1-12,0-0-7], [3:0-3-12,0-3-0], [7:0-3-0,0-3-4], [8:0-1-8,0-0-7], [12:0-2-0,Edge], [13:0-2-8,0-2-12]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.43	Vert(LL)	0.28	14-15	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.91	Vert(TL)	-0.49	14-15	>774	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.77	Horz(TL)	0.23	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 180 lb	

LUMBER

TOP CHORD	2 X 4 SYP No.2
BOT CHORD	2 X 4 SYP No.2 *Except* 8-12 2 X 4 SYP No.1D
WEBS	2 X 4 SYP No.3 *Except* 4-15 2 X 6 SYP No.1D
OTHERS	2 X 4 SYP No.1D

BRACING

TOP CHORD	Structural wood sheathing directly applied or 2-10-4 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 4-9-3 oc bracing.
WEBS	T-Brace: 2 X 4 SYP No.3 - 4-14, 7-13

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=1122/0-3-8, 8=1122/0-3-8
Max Horz 2=-129(load case 7)
Max Uplift 2=-313(load case 6), 8=-313(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=0/47, 2-3=-1842/889, 3-4=-4307/2091, 4-5=-2017/1085, 5-6=-1367/832, 6-7=-1370/806, 7-8=-1814/967, 8-9=0/47
BOT CHORD	2-16=-627/1552, 15-16=-783/1979, 14-15=-1655/3546, 13-14=-719/1764, 11-12=0/0, 10-11=-13/41, 8-10=-669/1533
WEBS	3-16=-1299/556, 3-15=-1171/2400, 4-15=-362/1103, 4-14=-1797/944, 5-14=-91/395, 5-13=-719/458, 11-13=0/109, 6-13=-420/771, 7-13=-487/373, 7-10=-79/156, 10-13=-663/1505

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October 9,2007

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1898997
L257001	T22	SPECIAL	3	1	Job Reference (optional)

JOINT STRESS INDEX

2 = 0.76, 3 = 0.62, 4 = 0.63, 5 = 0.39, 6 = 0.66, 7 = 0.79, 8 = 0.79, 10 = 0.62, 11 = 0.33, 12 = 0.46, 13 = 0.57, 14 = 0.50, 15 = 0.86, 16 = 0.57 and 17 = 0.33

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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 313 lb uplift at joint 2 and 313 lb uplift at joint 8.

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1898998
L257001	T23	SPECIAL	4	1	Job Reference (optional)

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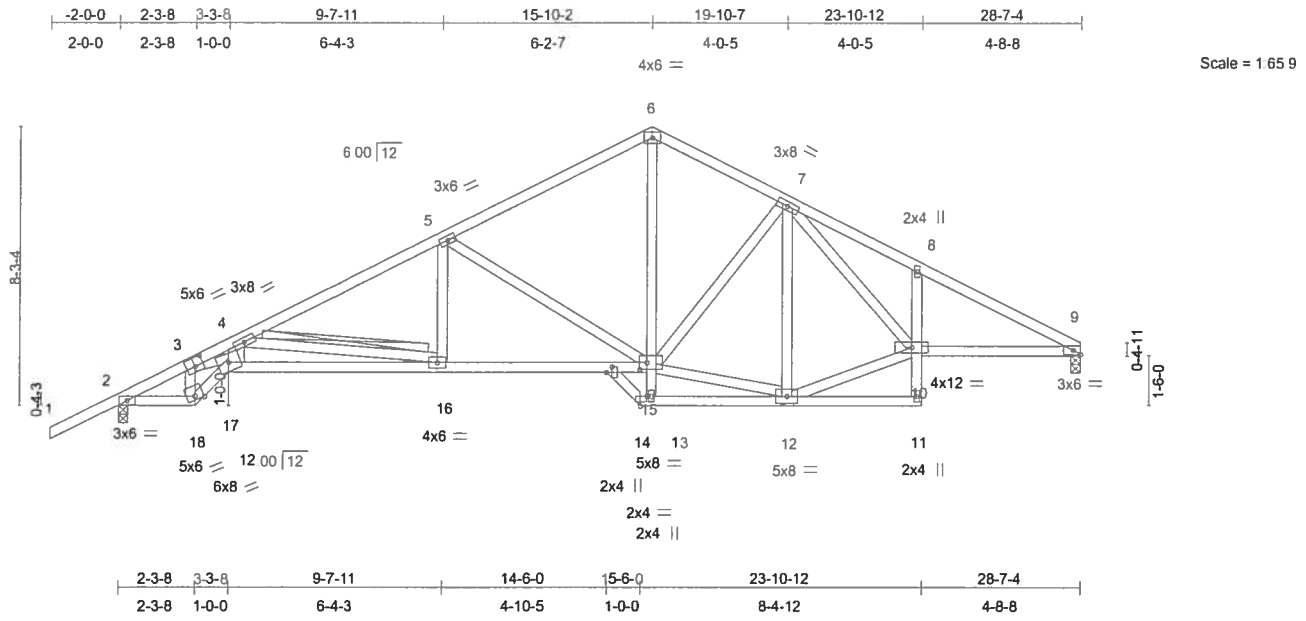

Plate Offsets (X,Y): [3:0-3-0,0-3-0], [14:0-2-8,Edge], [15:0-2-8,0-2-8], [19:0-2-0,0-2-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.41	Vert(LL)	0.27	16-17	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.80	Vert(TL)	-0.42	16-17	>804	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.69	Horz(TL)	0.18	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 180 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* 4-17 2 X 6 SYP No.1D

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-0-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 4-7-4 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 4-16
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) 9=903/0-3-8, 2=1027/0-3-8
Max Horz 2=173(load case 6)
Max Uplift 9=-186(load case 7), 2=-297(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-1647/789, 3-4=-3843/2066, 4-5=-1762/995, 5-6=-1122/722, 6-7=-1064/724, 7-8=-1610/1032, 8-9=-1694/950
BOT CHORD 2-18=-695/1384, 17-18=-870/1767, 16-17=-1766/3162, 15-16=-796/1537, 13-14=0/0, 12-13=-6/19, 11-12=-42/74, 10-11=0/54, 8-10=-176/208, 9-10=-770/1448
WEBS 3-18=-1163/612, 3-17=-1232/2142, 4-17=-414/990, 4-16=-1639/978, 5-16=-96/380, 5-15=-719/493, 13-15=0/61, 6-15=-415/645, 7-15=-124/113, 12-15=-440/926, 7-12=-504/286, 7-10=-463/731, 10-12=-421/906

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1898998
L257001	T23	SPECIAL	4	1	Job Reference (optional)

JOINT STRESS INDEX

2 = 0.71, 3 = 0.74, 4 = 0.57, 5 = 0.39, 6 = 0.54, 7 = 0.86, 8 = 0.56, 9 = 0.69, 10 = 0.67, 11 = 0.43, 12 = 0.43, 13 = 0.33, 14 = 0.45, 15 = 0.66, 16 = 0.46, 17 = 0.76, 18 = 0.51 and 19 = 0.33

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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 186 lb uplift at joint 9 and 297 lb uplift at joint 2.

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1898999
L257001	T24	SPECIAL	1	1	Job Reference (optional)

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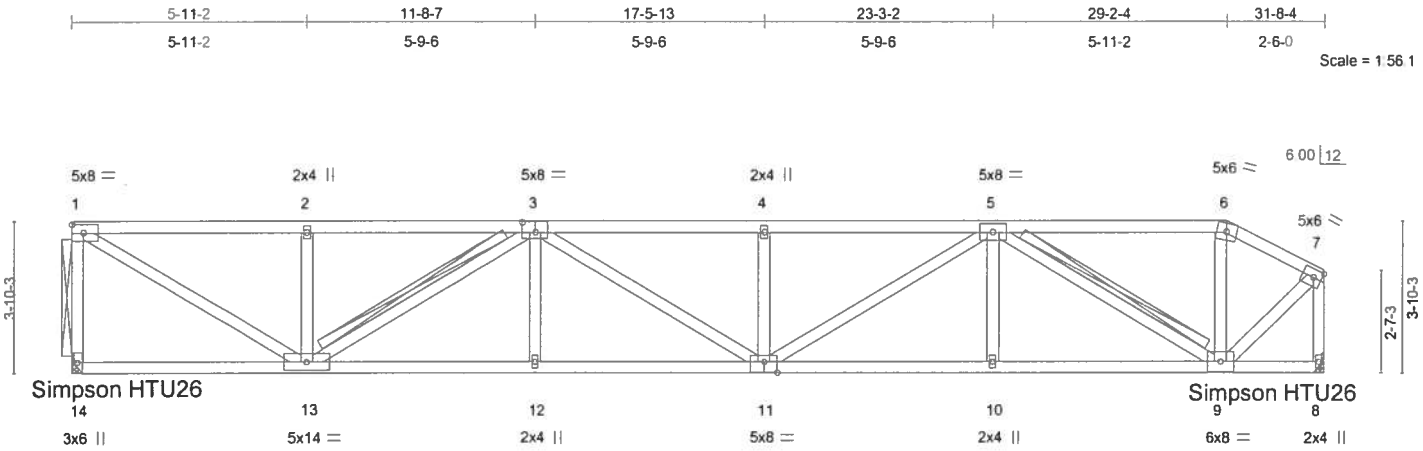

Plate Offsets (X,Y): [3:0-4-0,0-3-0], [11:0-4-0,0-3-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.98	Vert(LL)	-0.31	11-12	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.70	Vert(TL)	-0.61	11-12	>620	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.67	Horz(TL)	0.15	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 179 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.1D
WEBS 2 X 4 SYP No.3 *Except*
1-13 2 X 4 SYP No.2, 3-13 2 X 4 SYP No.2
3-11 2 X 4 SYP No.2, 5-11 2 X 4 SYP No.2
5-9 2 X 4 SYP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-4-3 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-11 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 1-14, 3-13, 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) 14=2187/Mechanical, 8=2187/Mechanical
Max Horz 14=-83(load case 6)
Max Uplift 14=-611(load case 3), 8=-578(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-14=-2108/637, 1-2=-3000/839, 2-3=-3000/839, 3-4=-4867/1375, 4-5=-4867/1375, 5-6=-1493/460, 6-7=-1663/463, 7-8=-2165/578
BOT CHORD 13-14=0/98, 12-13=-1224/4591, 11-12=-1224/4591, 10-11=-1034/3857, 9-10=-1034/3857, 8-9=-7/10
WEBS 1-13=-951/3406, 2-13=-700/311, 3-13=-1869/530, 3-12=0/241, 3-11=-100/324, 4-11=-669/294, 5-11=-319/1185, 5-10=0/247, 5-9=-2777/765, 6-9=0/232, 7-9=-531/2029

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JOINT STRESS INDEX

1 = 0.69, 2 = 0.33, 3 = 0.68, 4 = 0.33, 5 = 0.72, 6 = 0.75, 7 = 0.69, 8 = 0.77, 9 = 0.82, 10 = 0.33, 11 = 0.92, 12 = 0.33, 13 = 0.85 and 14 = 0.44

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
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 611 lb uplift at joint 14 and 578 lb uplift at joint 8.
6) Girder carries hip end with 0-0-0 right side setback, 0-0-0 left side setback, and 7-0-0 end setback.
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=-118(F=-64), 6-7=-118(F=-64), 8-14=-22(F=-12)

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1899000
L257001	T25	HIP	1	1	Job Reference (optional)

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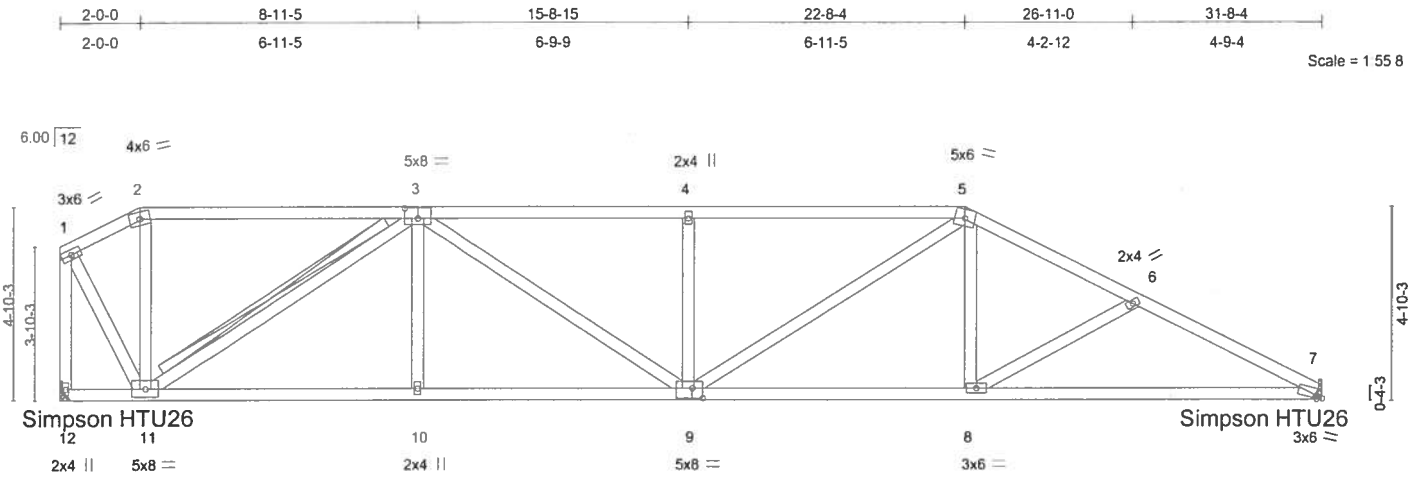

Plate Offsets (X,Y): [3:0-4-0,0-3-0], [7:0-1-9,0-0-7], [9:0-3-4,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.32	Vert(LL)	-0.13	7-8	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.42	Vert(TL)	-0.27	7-8	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.48	Horz(TL)	0.08	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 174 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 4-5-1 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 3-11
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) 7=1005/Mechanical, 12=1005/Mechanical
Max Horz 12=-127(load case 7)
Max Uplift 7=-202(load case 4), 12=-235(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-488/265, 2-3=-452/282, 3-4=-1787/1014, 4-5=-1779/1007, 5-6=-1677/907, 6-7=-1894/1019, 1-12=-1002/528
BOT CHORD 11-12=-2/182, 10-11=-586/1451, 9-10=-586/1451, 8-9=-631/1454, 7-8=-836/1643
WEBS 2-11=-113/108, 3-11=-1208/645, 3-10=0/214, 3-9=-234/406, 4-9=-382/267, 5-9=-174/491, 5-8=-70/291, 6-8=-209/231, 1-11=-487/939

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JOINT STRESS INDEX
1 = 0.77, 2 = 0.63, 3 = 0.36, 4 = 0.33, 5 = 0.49, 6 = 0.33, 7 = 0.77, 8 = 0.34, 9 = 0.45, 10 = 0.33, 11 = 0.48 and 12 = 0.36

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1899000
L257001	T25	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 202 lb uplift at joint 7 and 235 lb uplift at joint 12.

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1899001
L257001	T26	HIP	1	1	Job Reference (optional)

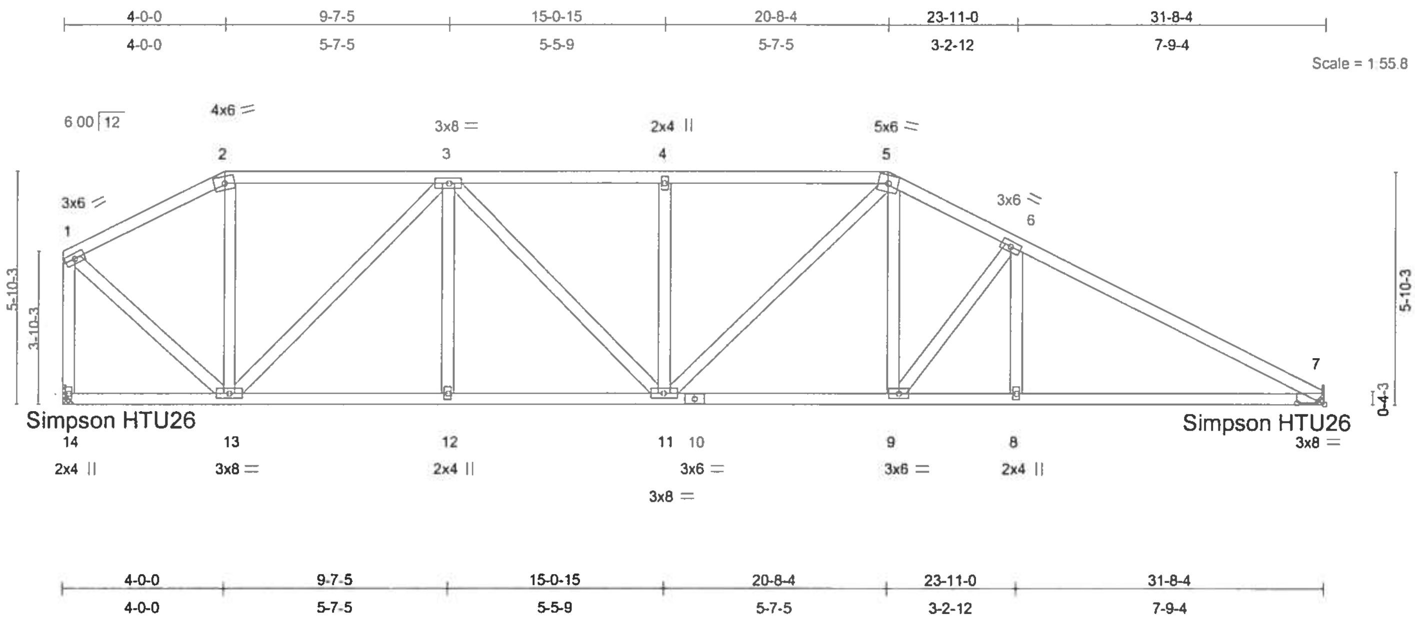

Plate Offsets (X,Y): [7:0-8-4,0-0-6]

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)	0.15	7-8	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.52	Vert(TL)	-0.23	7-8	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.87	Horz(TL)	0.06	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 187 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-0-13 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-10-0 oc bracing.

REACTIONS (lb/size) 7=1005/Mechanical, 14=1005/Mechanical
Max Horz 14=-139(load case 7)
Max Uplift 7=-188(load case 7), 14=-203(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-765/431, 2-3=-653/434, 3-4=-1447/874, 4-5=-1448/873, 5-6=-1524/901, 6-7=-1839/957, 1-14=-983/551
BOT CHORD 13-14=0/171, 12-13=-460/1223, 11-12=-460/1223, 10-11=-530/1299, 9-10=-530/1299, 8-9=-741/1556, 7-8=-741/1556
WEBS 2-13=0/153, 3-13=-835/440, 3-12=0/162, 3-11=-187/331, 4-11=-313/227, 5-11=-111/309, 5-9=-220/331, 6-9=-402/331, 6-8=-8/203, 1-13=-435/858

JOINT STRESS INDEX
1 = 0.62, 2 = 0.49, 3 = 0.56, 4 = 0.33, 5 = 0.29, 6 = 0.42, 7 = 0.74, 8 = 0.33, 9 = 0.40, 10 = 0.42, 11 = 0.56, 12 = 0.33, 13 = 0.82 and 14 = 0.36

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.

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Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1899001
L257001	T26	HIP	1	1	Job Reference (optional)

NOTES

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 188 lb uplift at joint 7 and 203 lb uplift at joint 14.

LOAD CASE(S) Standard

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October 9,2007

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1899002
L257001	T27	SPECIAL	1	1	Job Reference (optional)

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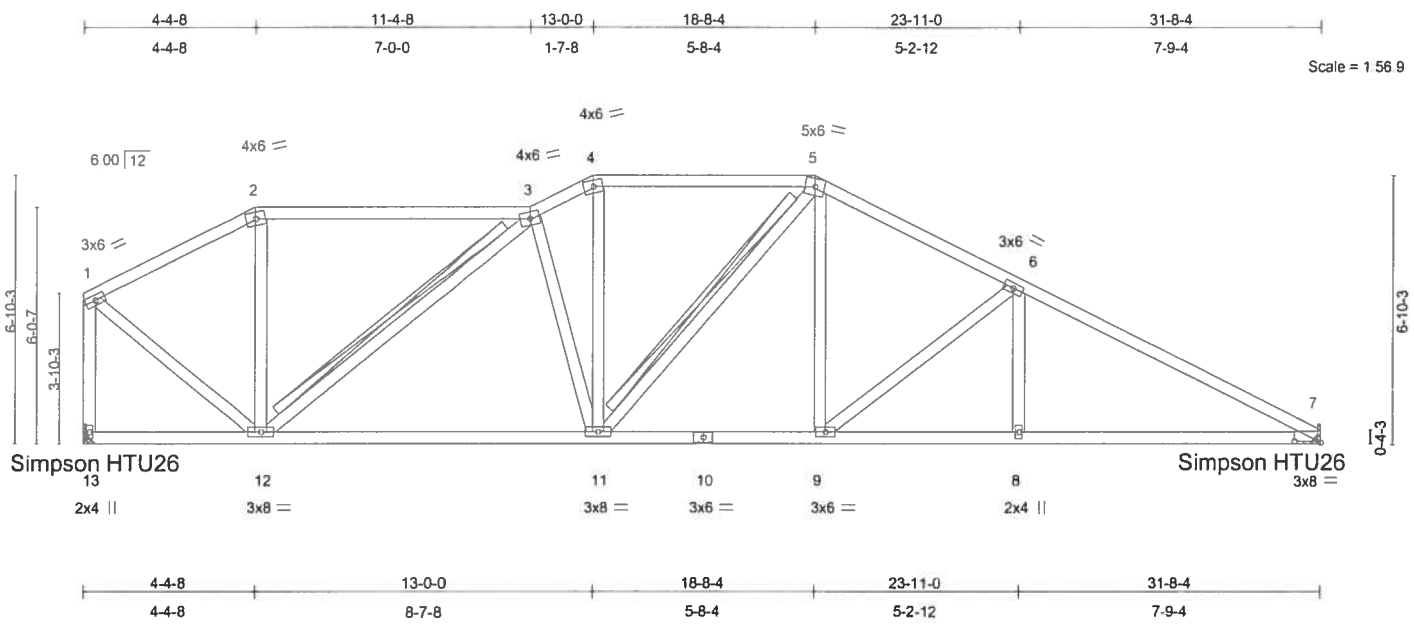

Plate Offsets (X,Y): [7:0-8-0,0-0-6]

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)	0.15	7-8	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.52	Vert(TL)	-0.24	11-12	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.37	Horz(TL)	0.06	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 186 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-0-15 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-9-8 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 3-12, 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) 7=1005/Mechanical, 13=1005/Mechanical
Max Horz 13=-151(load case 7)
Max Uplift 7=-201(load case 7), 13=-212(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-812/458, 2-3=-697/466, 3-4=-1350/843, 4-5=-1191/770, 5-6=-1403/835, 6-7=-1839/972, 1-13=-990/555
BOT CHORD 12-13=-5/171, 11-12=-514/1288, 10-11=-456/1182, 9-10=-456/1182, 8-9=-754/1557, 7-8=-754/1557
WEBS 2-12=-39/150, 3-12=-771/444, 4-11=-246/413, 5-11=-120/157, 5-9=-191/316, 6-9=-470/372, 6-8=0/225, 1-12=-449/891, 3-11=-360/281

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JOINT STRESS INDEX
1 = 0.62, 2 = 0.73, 3 = 0.75, 4 = 0.53, 5 = 0.35, 6 = 0.39, 7 = 0.73, 8 = 0.33, 9 = 0.34, 10 = 0.40, 11 = 0.66, 12 = 0.84 and 13 = 0.35

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Continued on page 2

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1899002
L257001	T27	SPECIAL	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 201 lb uplift at joint 7 and 212 lb uplift at joint 13.

LOAD CASE(S) Standard

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October 9,2007

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1899003
L257001	T28	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Tue Oct 09 09:38:55 2007 Page 1

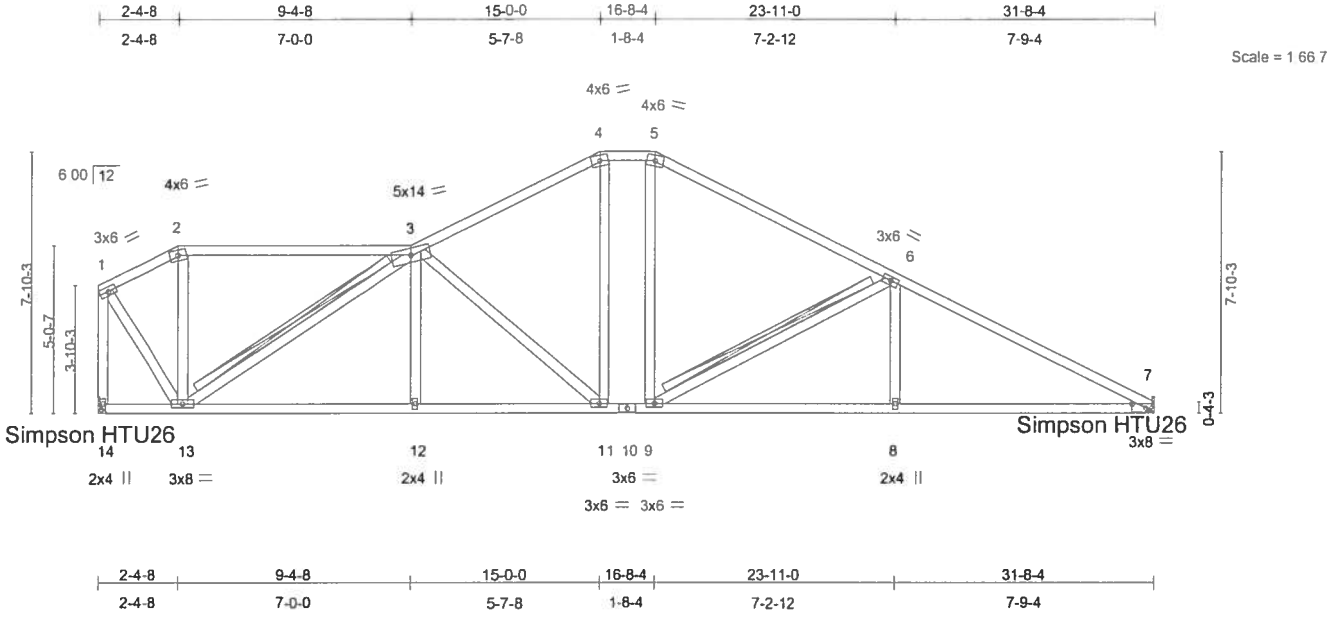

Plate Offsets (X,Y): [7:0-4-12,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.43	Vert(LL)	0.15	7-8	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.50	Vert(TL)	-0.23	8-9	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.50	Horz(TL)	0.07	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 185 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 4-1-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 3-13, 6-9
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) 7=1005/Mechanical, 14=1005/Mechanical
Max Horz 14=-162(load case 7)
Max Uplift 7=-211(load case 7), 14=-222(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-557/316, 2-3=-507/328, 3-4=-1254/784, 4-5=-1062/764, 5-6=-1278/770, 6-7=-1853/1000, 1-14=-1006/555
BOT CHORD 13-14=-14/182, 12-13=-618/1426, 11-12=-617/1428, 10-11=-380/1062, 9-10=-380/1062, 8-9=-784/1574, 7-8=-784/1574
WEBS 2-13=-109/88, 3-13=-1117/646, 3-12=0/196, 3-11=-529/313, 4-11=-232/377, 5-9=-138/319, 6-9=-618/461, 6-8=0/256, 1-13=-494/930

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JOINT STRESS INDEX
1 = 0.75, 2 = 0.67, 3 = 0.50, 4 = 0.55, 5 = 0.78, 6 = 0.39, 7 = 0.71, 8 = 0.33, 9 = 0.34, 10 = 0.38, 11 = 0.35, 12 = 0.33, 13 = 0.96, and 14 = 0.36

October 9,2007

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1899003
L257001	T28	SPECIAL	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 211 lb uplift at joint 7 and 222 lb uplift at joint 14.

LOAD CASE(S) Standard

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October 9,2007

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1899004
L257001	T29	COMMON	5	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Tue Oct 09 09:38:56 2007 Page 1

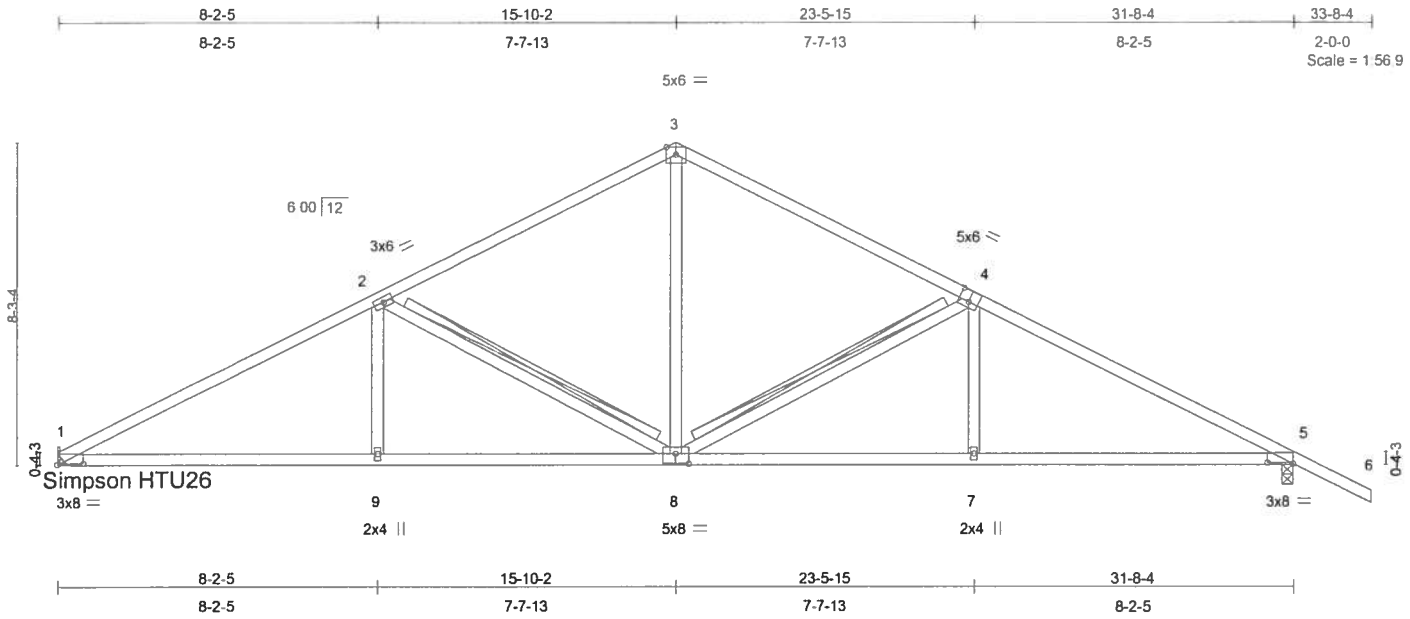

Plate Offsets (X,Y): [1:0-8-0,0-0-6], [4:0-3-0,0-3-4], [5:0-8-0,0-0-6], [8:0-4-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.45	Vert(LL)	0.18	1-9	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.52	Vert(TL)	-0.27	1-9	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.42	Horz(TL)	0.08	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 151 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-0-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-11-11 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 2-8, 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) 1=1001/Mechanical, 5=1125/0-3-8
Max Horz 1=-143(load case 7)
Max Uplift 1=-219(load case 6), 5=-314(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1823/1012, 2-3=-1233/783, 3-4=-1232/782, 4-5=-1799/975, 5-6=0/47
BOT CHORD 1-9=-710/1543, 8-9=-710/1543, 7-8=-670/1515, 5-7=-669/1516
WEBS 2-9=0/259, 2-8=-621/468, 3-8=-375/622, 4-8=-592/425, 4-7=0/257

JOINT STRESS INDEX
1 = 0.73, 2 = 0.39, 3 = 0.69, 4 = 0.77, 5 = 0.77, 7 = 0.33, 8 = 0.40 and 9 = 0.33

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

October 9,2007

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK-BARRETT J1899004
L257001	T29	COMMON	5	1	Job Reference (optional)

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) *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 219 lb uplift at joint 1 and 314 lb uplift at joint 5.

LOAD CASE(S) Standard

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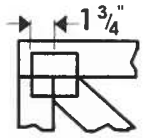
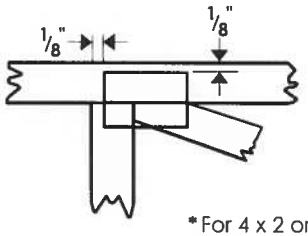
October 9,2007

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

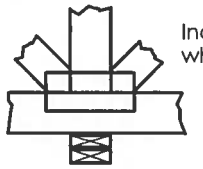
4 x 4

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

LATERAL BRACING

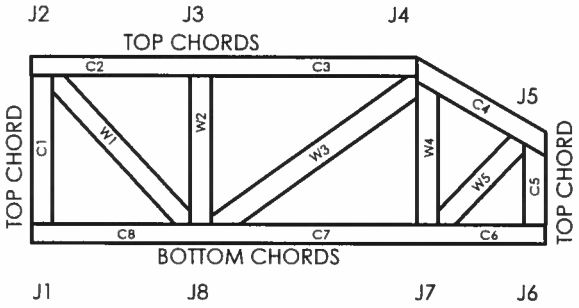
Indicates location of required continuous lateral bracing.

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 *		(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' 4"	6' 10"	6' 0"	6' 11"	7' 1"	8' 3"	8' 6"	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' 5"	11' 5"
	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"	5' 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' 5"	9' 5"	12' 5"	12' 9"	14' 0"	14' 0"
		#3	3' 9"	8' 0"	8' 0"	7' 11"	7' 11"	9' 5"	9' 5"	12' 4"	12' 4"	14' 0"	14' 0"
		STUD	3' 9"	8' 0"	6' 0"	7' 11"	7' 11"	9' 5"	9' 5"	12' 4"	12' 4"	14' 0"	14' 0"
		STANDARD	3' 9"	5' 2"	6' 2"	6' 10"	6' 10"	9' 2"	9' 2"	10' 7"	10' 7"	14' 0"	14' 0"
	SP DFL	#1	4' 3"	8' 8"	7' 2"	7' 11"	8' 6"	9' 5"	10' 2"	12' 5"	13' 5"	14' 0"	14' 0"
		#2	4' 2"	8' 8"	7' 2"	7' 11"	8' 6"	9' 5"	10' 2"	12' 5"	13' 5"	14' 0"	14' 0"
		#3	4' 0"	8' 2"	6' 2"	7' 11"	8' 2"	9' 5"	9' 11"	12' 5"	12' 8"	14' 0"	14' 0"
		STUD	4' 0"	8' 1"	6' 1"	7' 11"	8' 1"	9' 5"	9' 11"	12' 5"	12' 8"	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' 5"	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"	6' 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"	9' 5"	10' 5"	11' 2"	13' 8"	14' 0"	14' 0"	14' 0"
		#2	4' 7"	7' 4"	7' 11"	8' 9"	9' 5"	10' 5"	11' 2"	13' 8"	14' 0"	14' 0"	14' 0"
		#3	4' 4"	7' 2"	7' 2"	8' 9"	9' 2"	10' 5"	10' 11"	13' 8"	14' 0"	14' 0"	14' 0"
		STUD	4' 4"	7' 1"	7' 1"	8' 9"	9' 2"	10' 5"	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"

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

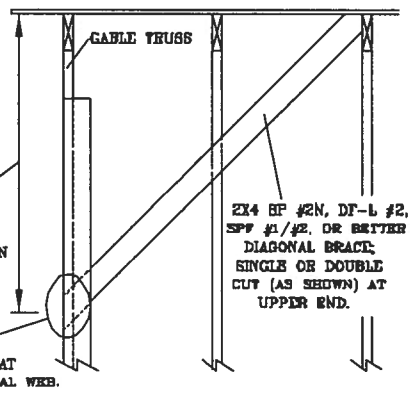
GROUP B:

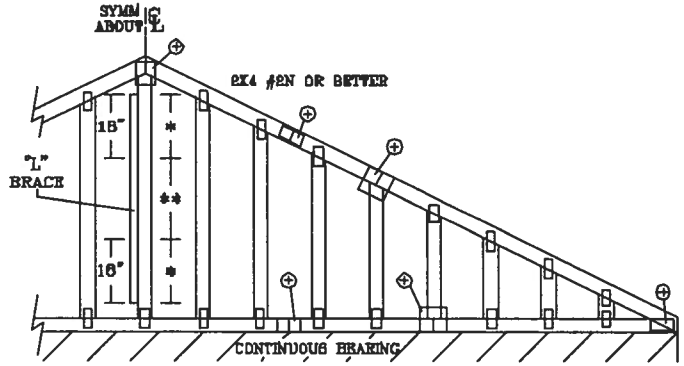
HEM-FIR: #1 & BTR, #1

SOUTHERN PINE: #3, #2

DOUGLAS FIR-LARCH: #1, #2

DIAGONAL BRACE OPTION: VERTICAL LENGTH MAY BE DOUBLED WHEN DIAGONAL BRACE IS USED. CONNECT DIAGONAL BRACE FOR 840# AT EACH END. MAX WEB TOTAL LENGTH IS 14'.





REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.

GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

PROVIDE UPLIFT CONNECTIONS FOR 136 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 60% 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' 8"	2X4
GREATER THAN 11' 8"	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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DELRAY BEACH, FL. 33444-2161
No: 34869
STATE OF FLORIDA

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

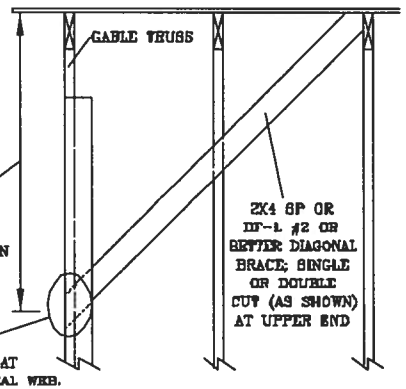
REF ASCE7-02-GAB13015
DATE 11/26/03
DRWG MITEK STD GABLE 15 E HT
-ENG

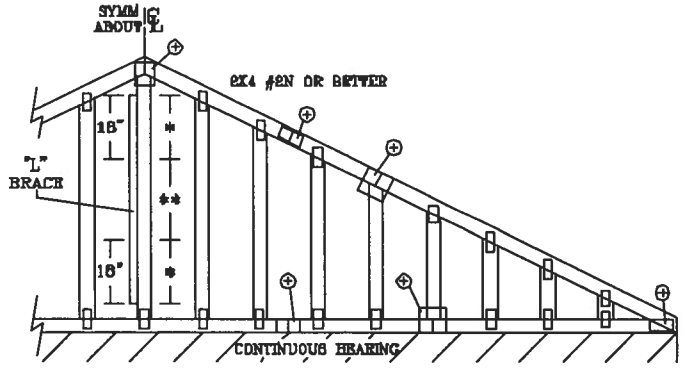
ASCE 7-02: 130 MPH WIND SPEED, 30' MEAN HEIGHT, ENCLOSED, I = 1.00, EXPOSURE C

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"	5' 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' 6"	4' 6"	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' 8"	5' 8"	5' 11"	6' 8"	7' 0"	7' 10"	8' 5"	10' 3"	11' 1"	12' 3"	13' 2"
		#2	3' 6"	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' 8"
		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' 8"	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"	5' 6"	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' 8"	8' 1"	8' 11"	9' 7"	11' 9"	12' 8"	14' 0"	14' 0"
		#2	3' 11"	6' 4"	6' 10"	7' 8"	8' 1"	8' 11"	9' 7"	11' 9"	12' 8"	14' 0"	14' 0"
		#3	3' 9"	5' 7"	5' 7"	7' 4"	7' 4"	8' 11"	9' 6"	11' 6"	11' 6"	14' 0"	14' 0"
		STUD	3' 8"	5' 6"	5' 8"	7' 3"	7' 3"	8' 11"	9' 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' 8"	8' 3"	8' 11"	9' 10"	10' 7"	12' 11"	13' 11"	14' 0"	14' 0"
		#2	4' 4"	6' 11"	7' 8"	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' 8"	5' 8"	7' 3"	7' 3"	9' 9"	9' 9"	11' 4"	11' 4"	14' 0"	14' 0"

DIAGONAL BRACE OPTION: VERTICAL LENGTH MAY BE DOUBLED WHEN DIAGONAL BRACE IS USED. CONNECT DIAGONAL BRACE FOR 880# AT EACH END. MAX WEB TOTAL LENGTH IS 14'.





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
#1
#2

DOUGLAS FIR-LARCH
#1
#2

GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

PROVIDE UPLIFT CONNECTIONS FOR 180 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 60% 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.

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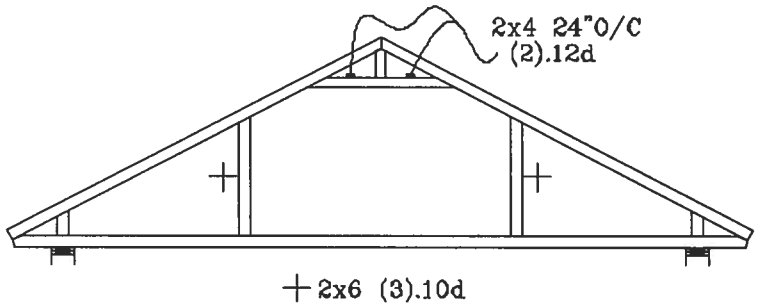
JULIUS LEE'S
CONS. ENGINEERS P.A.
1456 SW 4th AVENUE
DELRAY BEACH, FL. 33444-2161
No: 34869
STATE OF FLORIDA

MAX. TOT. LD. 60 PSF

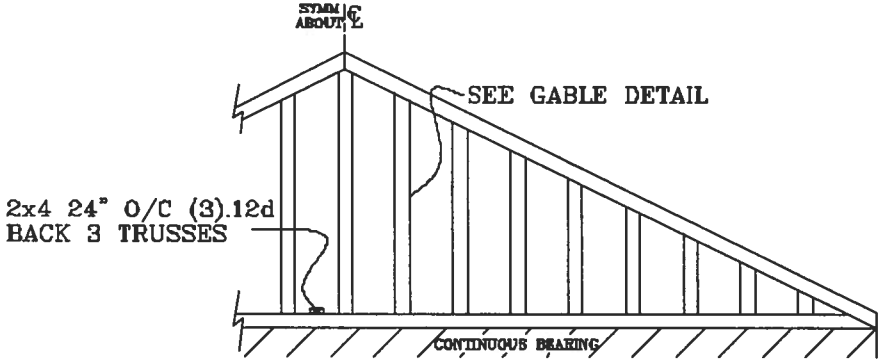
MAX. SPACING 24.0"

REF ASCE7-02-GAB13030
DATE 11/26/03
DWG MITEK STD GABLE 30' 2 H7
-ENG

TYPICAL ATTIC TRUSS BRACING

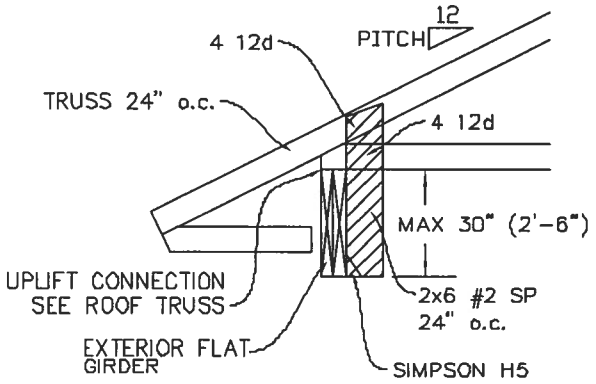


GABLE END TRUSS DETAIL

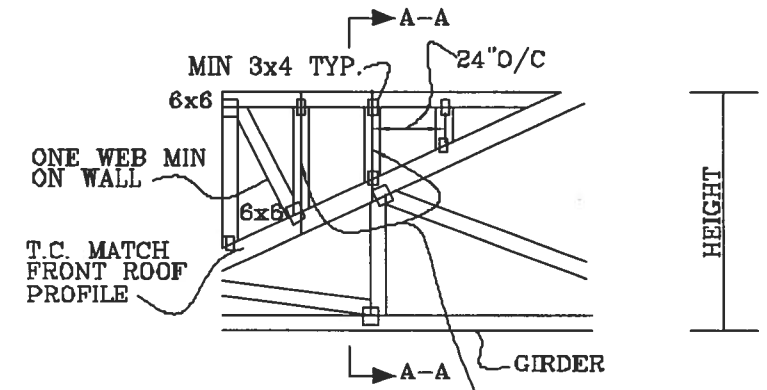


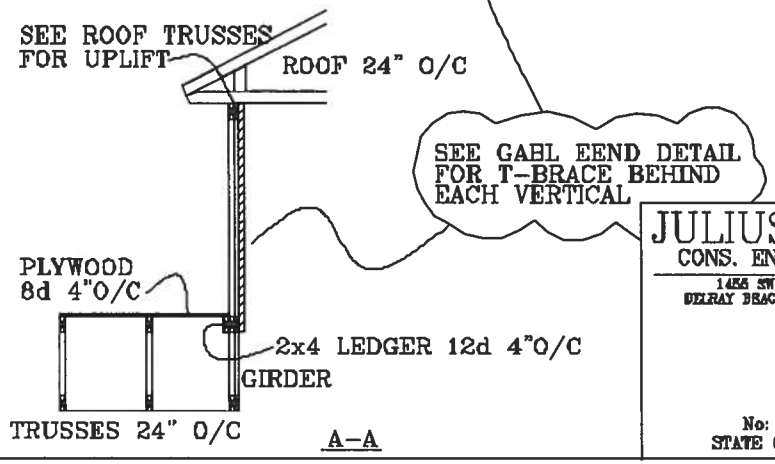
MINIMUM BC BRACING ON GABLE TRUSS. OTHER PERMANENT BRACING DESIGNS BY ARCHITECT OR EOR

TYPICAL ALTERNATE BRACING DETAIL FOR EXTERIOR FLAT GIRDER TRUSS



TYPICAL WALL GIRDER VERTICAL WEB BRACING DETAIL





A-A

JULIUS LEE'S
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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

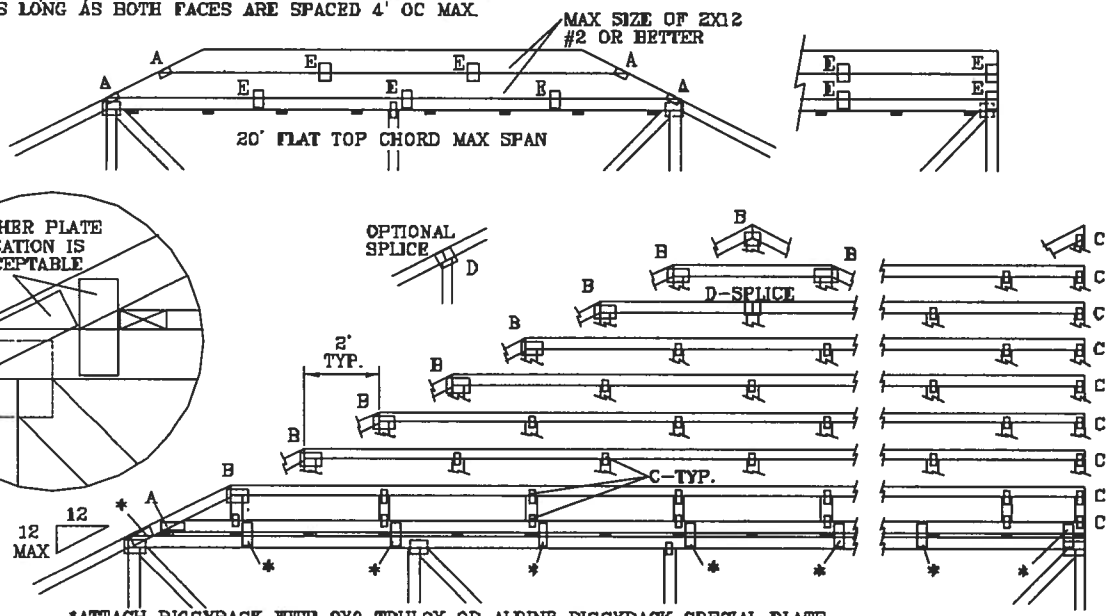
110 MPH WIND, 30' MEAN HGT, FBC ENCLOSED BLDG, LOCATED ANYWHERE IN ROOF WIND TC DL=5 PSF, WIND BC DL=5 PSF

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.

JOINT TYPE	SPANS UP TO			
	30'	34'	38'	52'
A	2X4	2.5X4	2.5X4	3X5
B	4X8	5X8	5X8	5X8
C	1.5X3	1.5X4	1.5X4	1.5X4
D	5X4	5X5	5X5	5X8
E	4X8 OR 3X6 TRULOX AT 4' OC, ROTATED VERTICALLY			

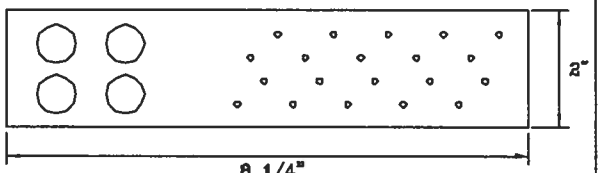
ATTACH TRULOX PLATES WITH (8) 0.120" X 1.375" NAILS, OR EQUAL, PER FACE PER PLY. (4) NAILS IN EACH MEMBER TO BE CONNECTED. REFER TO DRAWING 160 TL FOR TRULOX INFORMATION.



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

JULIUS LEE'S
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DELRAY BEACH, FL 33444-2161

No: 34869
STATE OF FLORIDA

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".

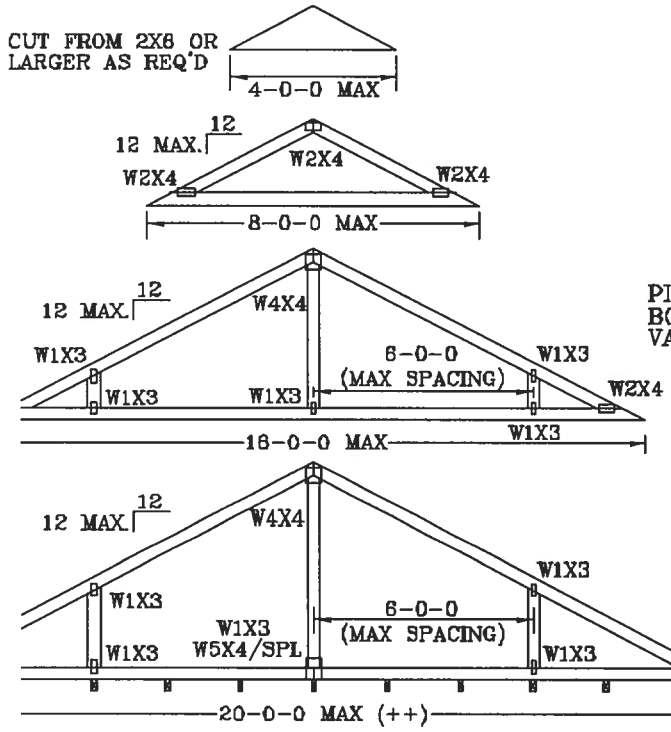
MAXIMUM VALLEY VERTICAL HEIGHT MAY NOT EXCEED 12'0".

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.

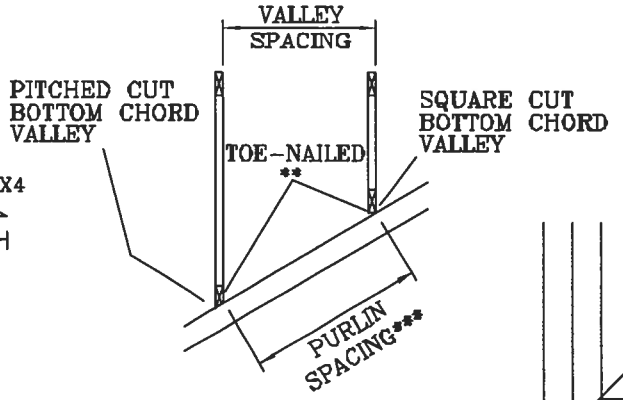
*** NOTE THAT THE PURLIN SPACING FOR BRACING THE TOP CHORD OF THE TRUSS BENEATH THE VALLEY IS MEASURED ALONG THE SLOPE OF THE TOP CHORD.

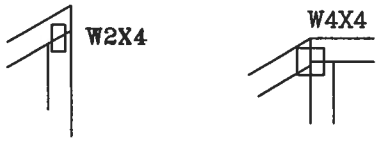
++ LARGER SPANS MAY BE BUILT AS LONG AS THE VERTICAL HEIGHT DOES NOT EXCEED 12'0".

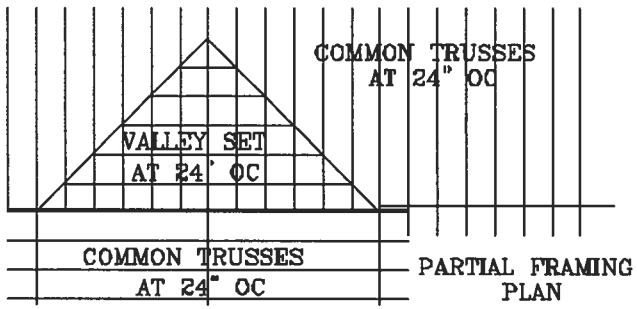
BOTTOM CHORD MAY BE SQUARE OR PITCHED CUT AS SHOWN.



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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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		
DURFAC. 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."

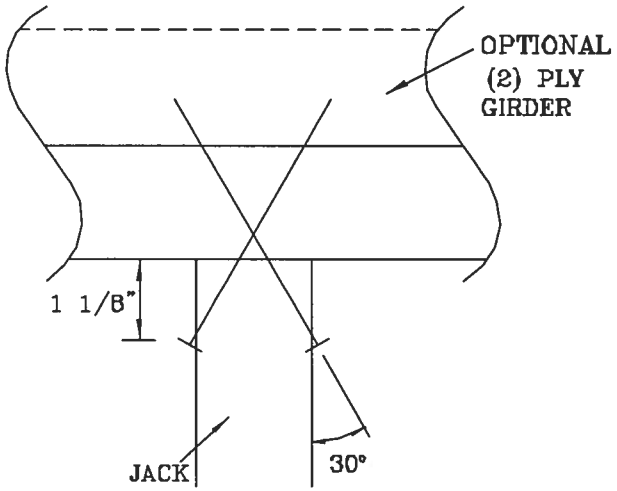
THE NUMBER OF TOE-NAILS TO BE USED IN A SPECIFIC APPLICATION IS DEPENDENT UPON PROPERTIES FOR THE CHORD SIZE, LUMBER SPECIES, AND NAIL TYPE. PROPER CONSTRUCTION PRACTICES AS WELL AS GOOD JUDGEMENT SHOULD DETERMINE THE NUMBER OF NAILS TO BE USED.

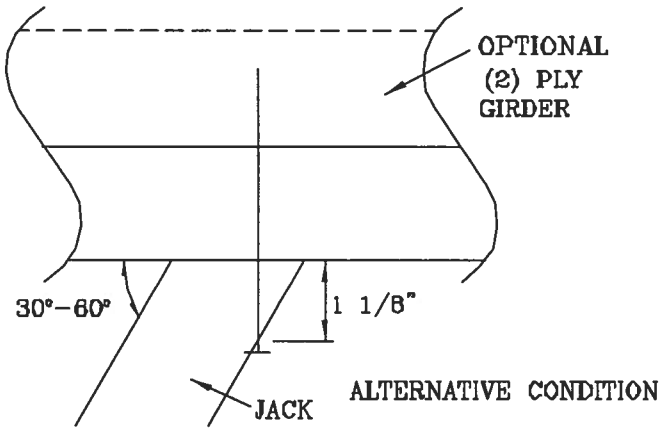
THIS DETAIL DISPLAYS A TOE-NAILED CONNECTION FOR JACK FRAMING INTO A SINGLE OR DOUBLE PLY SUPPORTING GIRDER.

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

==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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1450 SW 4th AVENUE
DELRAY BEACH, FL 33444-2161

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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			

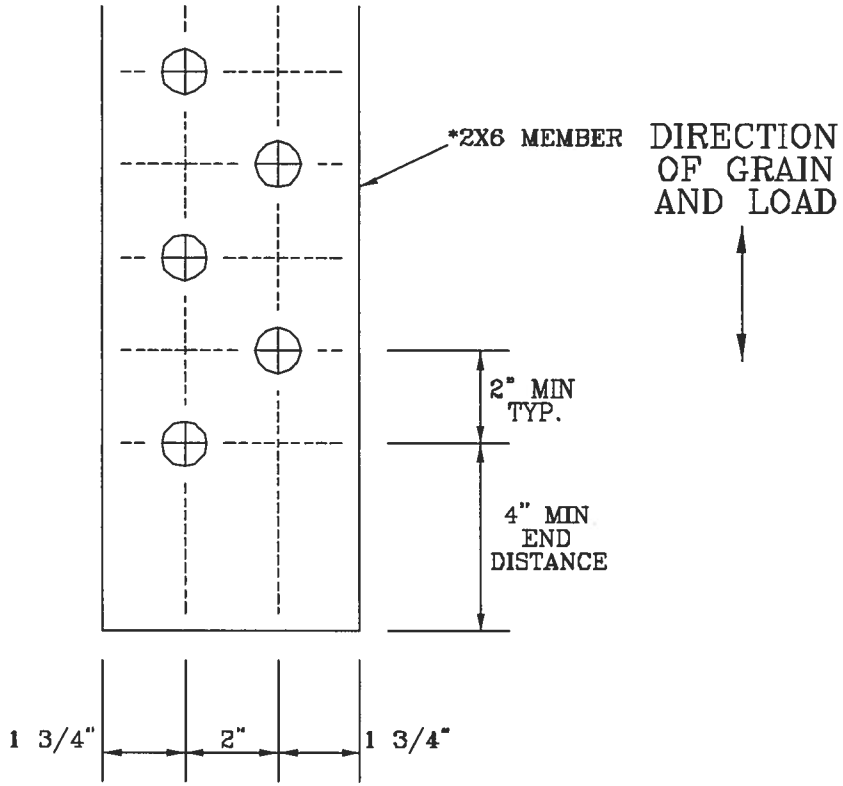
1/2" DIAMETER BOLT SPACING FOR LOAD APPLIED PARALLEL TO GRAIN.

* GRADE AND SPECIES AS SPECIFIED ON THE ALPINE DESIGN.

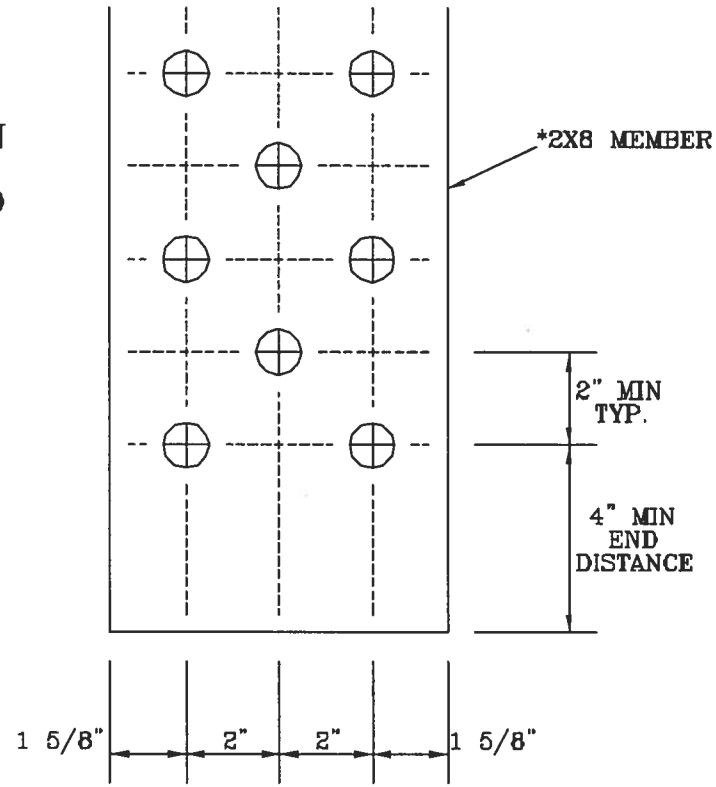
BOLT HOLES SHALL BE A MINIMUM OF 1/32" TO A MAXIMUM OF 1/16" LARGER THAN BOLT DIAMETER.

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.

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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

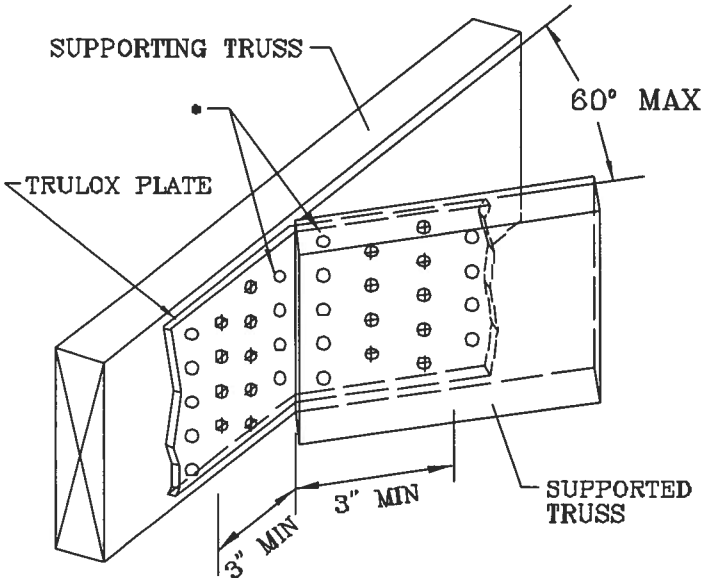
11 GAUGE (0.120" X 1.375") NAILS REQUIRED FOR TRULOX PLATE ATTACHMENT. FILL ROWS COMPLETELY WHERE SHOWN (⊕).

* NAILS MAY BE OMITTED FROM THESE ROWS.

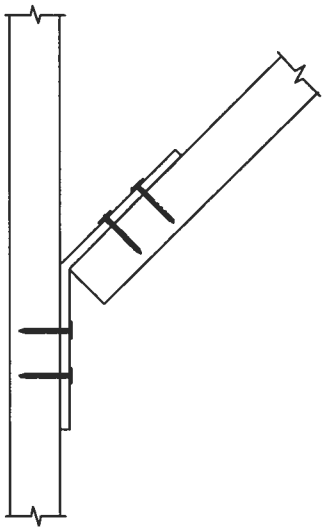
THIS DETAIL MAY BE USED WITH SO. PINE, DOUGLAS-FIR OR HEM-FIR CHORDS WITH A MINIMUM 1.00 DURATION OF LOAD OR SPRUCE-PINE-FIR CHORDS WITH A MINIMUM 1.15 DURATION OF LOAD. CHORD SIZE OF BOTH TRUSSES MUST EXCEED THE TRULOX PLATE WIDTH.

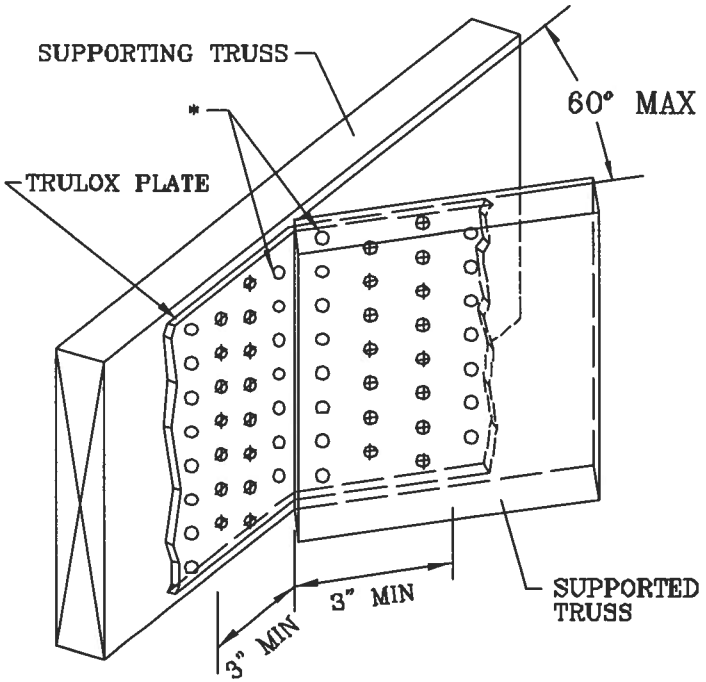
TRULOX PLATE IS CENTERED ON THE CHORDS AND BENT BETWEEN NAIL ROWS.

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

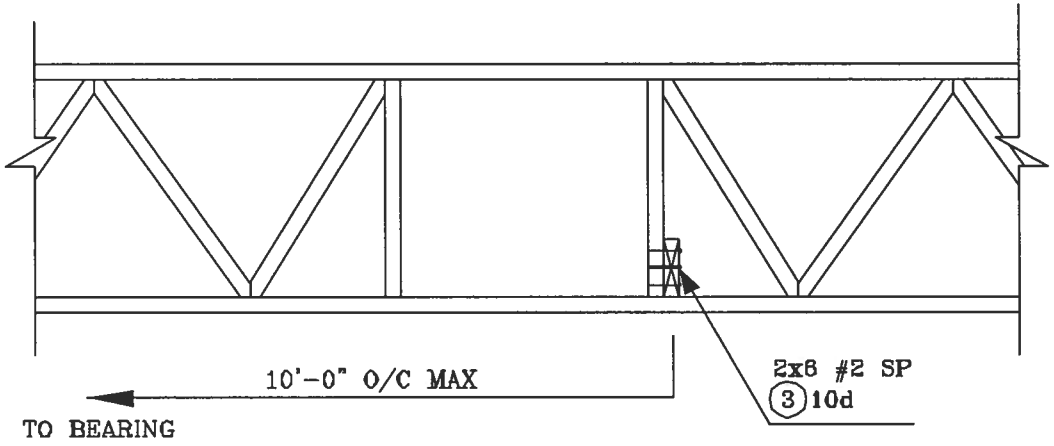
==WARNING== TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE 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

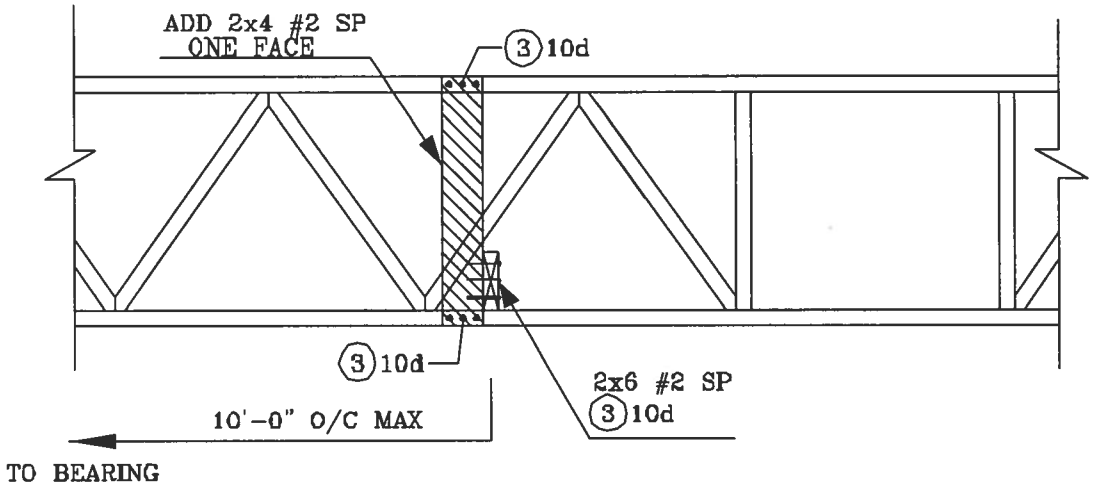
No: 34869
STATE OF FLORIDA

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



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