DATE 01/16/2008

Columbia County Building Permit

This Permit Must Be Prominently Posted on Premises During Construction

PERMIT
000026628

APPLICANT MELANIE RODER PHONE 623-7829

ADDRESS 387 SW KEMP COURT LAKE CITY FL 32024

OWNER SIM-Q DEVELOPERS PHONE 867-0692

ADDRESS 453 SW ROSEMARY DRIVE LAKE CITY FL 32024

CONTRACTOR DAVID SIMQUE PHONE 867-0692

LOCATION OF PROPERTY 90W, TL ON 252B, TR ON ROSEMARY DR, 6TH LOT ON RIGHT

TYPE DEVELOPMENT SFD,UTILITY ESTIMATED COST OF CONSTRUCTION 190600.00

HEATED FLOOR AREA 2809.00 TOTAL AREA 3812.00 HEIGHT ____ STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 10/12 FLOOR SLAB

LAND USE & ZONING PRD MAX. HEIGHT ____

Minimum Set Back Requirments: STREET-FRONT 25.00 REAR 15.00 SIDE 10.00

NO. EX.D.U. 0 FLOOD ZONE X PP DEVELOPMENT PERMIT NO. ____

PARCEL ID 03-4S-16-02731-111 SUBDIVISION PRESERVE AT LAUREL LAKES

LOT 111 BLOCK ____ PHASE ____ UNIT ____ TOTAL ACRES ____

000001527	____	CBC056158	Melanie	
Culvert Permit No.	Culvert Waiver	Contractor's License Number	Applicant/Owner/Contractor	
WAIVER	X08-009	BK	JH	Y
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident

COMMENTS: MFE: 116.5 PER PLAT, ELEVATION CONFRMATION LETTER REQUIRED AT SLAB, NOC ON FILE

Check # or Cash 3370

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power ____ date/app. by | Foundation ____ date/app. by | Monolithic ____ date/app. by

Under slab rough-in plumbing ____ date/app. by | Slab ____ date/app. by | Sheathing/Nailing ____ date/app. by

Framing ____ date/app. by | Rough-in plumbing above slab and below wood floor ____ date/app. by

Electrical rough-in ____ date/app. by | Heat & Air Duct ____ date/app. by | Peri. beam (Lintel) ____ date/app. by

Permanent power ____ date/app. by | C.O. Final ____ date/app. by | Culvert ____ date/app. by

M/H tie downs, blocking, electricity and plumbing ____ date/app. by | Pool ____ date/app. by

Reconnection ____ date/app. by | Pump pole ____ date/app. by | Utility Pole ____ date/app. by

M/H Pole ____ date/app. by | Travel Trailer ____ date/app. by | Re-roof ____ date/app. by

BUILDING PERMIT FEE $ 955.00 CERTIFICATION FEE $ 19.06 SURCHARGE FEE $ 19.06

MISC. FEES $ 0.00 ZONING CERT. FEE $ 50.00 FIRE FEE $ 0.00 WASTE FEE $ ____

FLOOD DEVELOPMENT FEE $ ____ FLOOD ZONE FEE $ 25.00 CULVERT FEE $ 25.00 **TOTAL FEE** 1093.12

INSPECTORS OFFICE Gale Tedder CLERKS OFFICE CH

NOTICE: IN ADDITION TO THE REQUIREMENTS OF THIS PERMIT, THERE MAY BE ADDITIONAL RESTRICTIONS APPLICABLE TO THIS PROPERTY THAT MAY BE FOUND IN THE PUBLIC RECORDS OF THIS COUNTY. AND THERE MAY BE ADDITIONAL PERMITS REQUIRED FROM OTHER GOVERNMENTAL ENTITIES SUCH AS WATER MANAGEMENT DISTRICTS, STATE AGENCIES, OR FEDERAL AGENCIES.

"WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT."

EVERY PERMIT ISSUED SHALL BECOME INVALID UNLESS THE WORK AUTHORIZED BY SUCH PERMIT IS COMMENCED WITHIN 180 DAYS AFTER ITS ISSUANCE, OR IF THE WORK AUTHORIZED BY SUCH PERMIT IS SUSPENDED OR ABANDONED FOR A PERIOD OF 180 DAYS AFTER THE TIME THE WORK IS COMMENCED. A VALID PERMIT RECIEVES AN APPROVED INSPECTION EVERY 180 DAYS. WORK SHALL BE CONSIDERED TO BE IN ACTIVE PROGESS WHEN THE PERMIT HAS RECIEVED AN APPROVED INSPECTION WITHIN 180 DAYS.

The Issuance of this Permit Does Not Waive Compliance by Permittee with Deed Restrictions.

Columbia County Building Permit Application

For Office Use Only Application # 0801-33 Date Received 1/9/08 By GT Permit # 1527/26628
Zoning Official BLK Date 15.01.08 Flood Zone X per plat FEMA Map # N/A Zoning PRD
Land Use RLD Elevation N/A MFE 116.5 per plat River N/A Plans Examiner OK JTH Date 1-14-08
Comments ~~Fees~~ missing (~~Truss drawings~~) Elevation Confirmation Letter Required
☑ NOC ☑ EH ☑ Deed or PA ☑ Site Plan ☐ State Road Info ☐ Parent Parcel # ____
☐ Dev Permit # ____ ☐ In Floodway ☑ Letter of Authorization from Contractor
☐ Unincorporated area ☐ Incorporated area ☐ Town of Fort White ☐ Town of Fort White Compliance letter

Fax 752-2282

Name Authorized Person Signing Permit Melanie Roder Phone 623-7829

Address 387 SW Kemp court Lake City, FL 32024

Owners Name Sim-Q Developers Phone 867-0692

911 Address 453 SW Rosemary dr, Lake City, FL 32024

Contractors Name David Simque Construction LLC Phone ____

Address 122 SW Midtown Pl, Suite 101, Lake City, FL 32024

Fee Simple Owner Name & Address ____

Bonding Co. Name & Address ____

Architect/Engineer Name & Address Will Myers / Mark Disosway

Mortgage Lenders Name & Address Capital City Bank, 4040 NW 16th Blvd, Gainesville, FL 32605

Circle the correct power company – (FL Power & Light) – Clay Elec. – Suwannee Valley Elec. – Progress Energy

Property ID Number 03-4S-16-02731-111 Estimated Cost of Construction 190,000

Subdivision Name Preserve at Laurel Lakes Lot 111 Block ____ Unit 1 Phase ____

Driving Directions 90W TL on CR 252B TR on SW Rosemary dr, 6th lot right.

Number of Existing Dwellings on Property 0

Construction of SFD Total Acreage .33 Lot Size ____

Do you need a - Culvert Permit or (Culvert Waiver) or Have an Existing Drive Total Building Height 29'-0"

Actual Distance of Structure from Property Lines - Front ~~28'-0"~~ Side ~~18'-0"~~ Side ~~13'-9"~~ Rear ~~45'-2"~~

Number of Stories 1 Heated Floor Area 2809 Total ~~Heated~~ Floor Area ~~2809~~ 3812 Roof Pitch 10-12

Application is hereby made to obtain a permit to do work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work be performed to meet the standards of all laws regulating construction in this jurisdiction.

spoke to Melanie 1/15/08

 Revised 11-13-07

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

FLORIDA'S CONSTRUCTION LIEN LAW: Protect Yourself and Your Investment
According to Florida Law, those who work on your property or provide materials, and are not paid-in-full, have a right to enforce their claim for payment against your property. This claim is known as a construction lien. If your contractor fails to pay subcontractors or material suppliers or neglects to make other legally required payments, the people who are owed money may look to your property for payment, even if you have paid your contractor in full. This means if a lien is filed against your property, it could be sold against your will to pay for labor, materials or other services which your contractor may have failed to pay.

NOTICE OF RESPONSIBILITY TO BUILDING PERMITEE:
YOU ARE HEREBY NOTIFIED as the recipient of a building permit from Columbia County, Florida, you will be held responsible to the County for any damage to sidewalks and/or road curbs and gutters, concrete features and structures, together with damage to drainage facilities, removal of sod, major changes to lot grades that result in ponding of water, or other damage to roadway and other public infrastructure facilities caused by you or your contractor, subcontractors, agents or representatives in the construction and/or improvement of the building and lot for which this permit is issued. No certificate of occupancy will be issued until all corrective work to these public infrastructures and facilities has been corrected.

OWNERS AFFIDAVIT: I hereby certify that all the foregoing information is accurate and all work will be done in compliance with all applicable laws and regulating construction and zoning. I further understand the above written responsibilities in Columbia County for obtaining this Building Permit.

X _____
Owners Signature

Affirmed under penalty of perjury to by the Owner and subscribed before me this 8 **day of** Jan **20**08.

Personally known ✓ **or Produced Identification** _____

_____ **SEAL:**
State of Florida Notary Signature (For the Owner)

Linda R. Roder
Commission #DD303275
Expires: Mar 24, 2008
Bonded Thru
Atlantic Bonding Co., Inc.

CONTRACTORS AFFIDAVIT: By my signature I understand and agree that I have informed and provided this written statement to the owner of all the above written responsibilities in Columbia County for obtaining this Building Permit.

X _____
Contractor's Signature (Permitee)

Contractor's License Number _____
Columbia County
Competency Card Number _____

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 8 **day of** Jan **20**08.

Personally known ✓ **or Produced Identification** _____

_____ **SEAL:**
State of Florida Notary Signature (For the Contractor)

Linda R. Roder
Commission #DD303275
Expires: Mar 24, 2008
Bonded Thru
Atlantic Bonding Co., Inc.

TERRY McDAVID
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328

File No. 07-373

PERMIT NO._____

TAX FOLIO NO.: 03-4S-16-02731-111

NOTICE OF COMMENCEMENT

Inst:200812000295 Date:1/7/2008 Time:4:15 PM
DC,P.DeWitt Cason,Columbia County Page 1 of 2

STATE OF FLORIDA
COUNTY OF COLUMBIA

The undersigned hereby gives notice that improvement will be made to certain real property, and in accordance with Chapter 713, Florida Statutes, the following information is provided in this Notice of Commencement.

1. Description of property:

Lot 111, PRESERVE AT LAUREL LAKE, UNIT 1, a subdivision according to the plat thereof as recorded in Plat Book 9, Pages 18-25 of the public records of Columbia County, Florida.

2. General description of improvement: Construction of single family dwelling.

3. Owner information:

a. Name and address: SIM-Q DEVELOPERS, LLC, a Florida Limited Liability Company, 122 SW Midtown Place, Suite 101, Lake City, Florida 32024.

b. Interest in property: Fee Simple

c. Name and address of fee simple title holder (if other than Owner):

4. Contractor: SIMQUE CONSTRUCTION, LLC, 122 SW Midtown Place, Suite 101, Lake City, Florida 32024.

5. Surety

a. Name and address: None

6. Lender: CAPITAL CITY BANK, 4040 NW 16th Boulevard, Gainesville, Florida 32605.

7. Persons within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by Section 713.13(1)(a)7., Florida Statutes: None

8. In addition to himself, Owner designates JOHN RAFFERTY, CAPITAL CITY BANK, 4040 NW 16th Boulevard, Gainesville, Florida 32605, 352-372-5162, to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes.

SIM-Q DEVELOPERS, LLC

By: _____
David Simque
Managing Member

STATE OF FLORIDA
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 7th day of January 2008, by DAVID SIMQUE, Managing Member of SIM-Q DEVELOPERS, LLC, a Florida Limited Liability Company, on behalf of said company. He is personally known to me and did not take an oath.

_____
Notary Public
My commission expires: _____

TERRY MCDAVID
MY COMMISSION # DD 500788
EXPIRES: January 16, 2010
Bonded Thru Notary Public Underwriters

In Witness Whereof, grantor has hereunto set grantor's hand and seal the day and year first above written.

Signed, sealed and delivered in our presence:

(Signature of First Witness)
Terry McDavid
(Typed Name of First Witness)

(Signature of Second Witness)
Myrtle Ann McElroy
(Typed Name of Second Witness)

RESIDENTIAL DEVELOPMENT GROUP, LLC

(SEAL)
Grantor
By: DANIEL CRAPPS,
Managing Member

(SEAL)
Grantor
By: CHARLES S. SPARKS,
Managing Member

STATE OF Florida
COUNTY OF Columbia

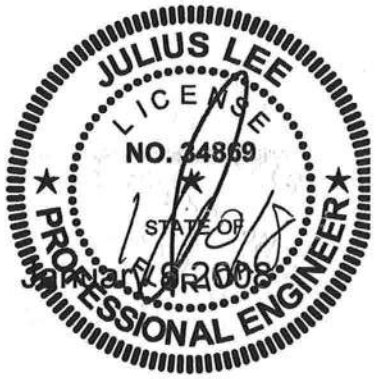
The foregoing instrument was acknowledged before me this 7th day of January, 2008, by DANIEL CRAPPS and CHARLES S. SPARKS, as Managing Members of RESIDENTIAL DEVELOPMENT GROUP, LLC, A Florida Limited Liability Company, who are personally known to me and who did not take an oath.

My Commission Expires:

Notary Public
Printed, typed, or stamped name:

TERRY MCDAVID
MY COMMISSION # DD 500788
EXPIRES: January 16, 2010
Bonded Thru Notary Public Underwriters

Builders FirstSource



Project Information for: SEAL TRUSSES

Builder: Aarom Simque Homes, Inc.
Lot : 111
Subdivision: Preserve
County: Columbia
Truss Count: 73
Design Program: MiTek 20/20 6.3
Building Code: FBC2004/TPI2002

Truss Design Load Information:

Gravity:	**Wind:**	
Roof (psf): 42.0	Wind Standard: ASCE 7-02	Wind Exposure: B
Floor (psf): 55.0	Wind Speed (mph): 110	

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

Contractor of Record, responsible for structural engineering:

Aaron D. Simque Florida Registered Building Contractor License No. RB29003130
Address: Aarom Simque Homes, Inc. Route 9 Box 785-33 Lake City, FL 32024

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

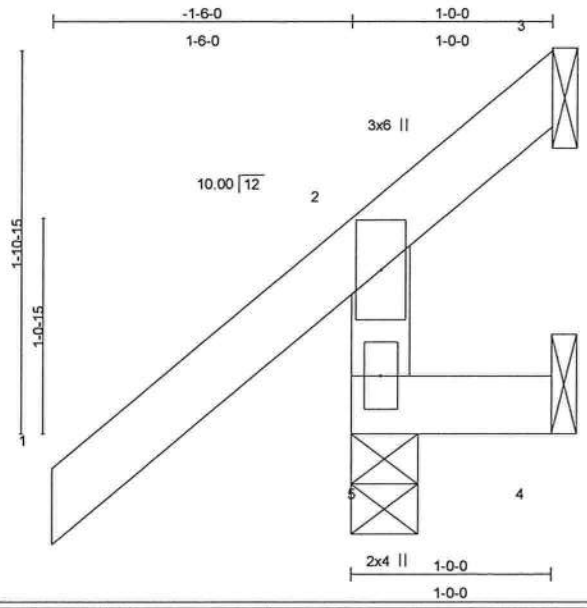
Notes:

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	No.	Drwg. #	Truss ID	Date
1	J1922675	CJ1	1/9/08	29	J1922703	PB4A	1/9/08	57	J1922731	T20	1/9/08
2	J1922676	CJ1A	1/9/08	30	J1922704	PB4B	1/9/08	58	J1922732	T21	1/9/08
3	J1922677	CJ3	1/9/08	31	J1922705	PB4C	1/9/08	59	J1922733	T22	1/9/08
4	J1922678	CJ3A	1/9/08	32	J1922706	PB4D	1/9/08	60	J1922734	T23	1/9/08
5	J1922679	CJ5	1/9/08	33	J1922707	PB4E	1/9/08	61	J1922735	T24	1/9/08
6	J1922680	CJ5A	1/9/08	34	J1922708	PB4F	1/9/08	62	J1922736	T25	1/9/08
7	J1922681	EJ3	1/9/08	35	J1922709	PB4G	1/9/08	63	J1922737	T26	1/9/08
8	J1922682	EJ7	1/9/08	36	J1922710	PB5	1/9/08	64	J1922738	T26G	1/9/08
9	J1922683	EJ7A	1/9/08	37	J1922711	T01G	1/9/08	65	J1922739	T27	1/9/08
10	J1922684	EJ7B	1/9/08	38	J1922712	T02	1/9/08	66	J1922740	T27G	1/9/08
11	J1922685	HJ4	1/9/08	39	J1922713	T02G	1/9/08	67	J1922741	T28	1/9/08
12	J1922686	HJ9	1/9/08	40	J1922714	T03	1/9/08	68	J1922742	T28G	1/9/08
13	J1922687	HJ9A	1/9/08	41	J1922715	T04	1/9/08	69	J1922743	T29	1/9/08
14	J1922688	PB1	1/9/08	42	J1922716	T05	1/9/08	70	J1922744	T30	1/9/08
15	J1922689	PB1A	1/9/08	43	J1922717	T06	1/9/08	71	J1922745	T31	1/9/08
16	J1922690	PB1B	1/9/08	44	J1922718	T07	1/9/08	72	J1922746	T32	1/9/08
17	J1922691	PB1C	1/9/08	45	J1922719	T08	1/9/08	73	J1922747	T32G	1/9/08
18	J1922692	PB1D	1/9/08	46	J1922720	T09	1/9/08				
19	J1922693	PB2	1/9/08	47	J1922721	T10	1/9/08				
20	J1922694	PB2A	1/9/08	48	J1922722	T11	1/9/08				
21	J1922695	PB2B	1/9/08	49	J1922723	T12	1/9/08				
22	J1922696	PB2C	1/9/08	50	J1922724	T13	1/9/08				
23	J1922697	PB2D	1/9/08	51	J1922725	T14	1/9/08				
24	J1922698	PB2E	1/9/08	52	J1922726	T15	1/9/08				
25	J1922699	PB3	1/9/08	53	J1922727	T16	1/9/08				
26	J1922700	PB3A	1/9/08	54	J1922728	T17	1/9/08				
27	J1922701	PB3B	1/9/08	55	J1922729	T18	1/9/08				
28	J1922702	PB4	1/9/08	56	J1922730	T19	1/9/08				

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME
					J1922675
SEAL TRUSSES	CJ1	JACK	4	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 03 16:39:43 2008 Page 1



Scale = 1:10.9

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.28	Vert(LL)	0.00	5	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.04	Vert(TL)	0.00	5	>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: 8 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 1-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 5=203/0-4-0, 4=-15/Mechanical, 3=-45/Mechanical
Max Horz 5=121(load case 6)
Max Uplift 5=-131(load case 6), 4=-27(load case 6), 3=-45(load case 1)
Max Grav 5=203(load case 1), 4=7(load case 2), 3=39(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 2-5=-179/190, 1-2=0/57, 2-3=-58/30
BOT CHORD 4-5=0/0

JOINT STRESS INDEX
2 = 0.33 and 5 = 0.32

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
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 131 lb uplift at joint 5, 27 lb uplift at joint 4 and 45 lb uplift at joint 3.

Continued on page 2

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

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME J1922675
SEAL TRUSSES	CJ1	JACK	4	1	Job Reference (optional)

LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida PE No. 34183
1109 Coastal Bay Blvd
Boynton Beach, FL 33435

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME
SEAL TRUSSES	CJ1A	JACK	4	1	J1922676
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 03 16:39:43 2008 Page 1

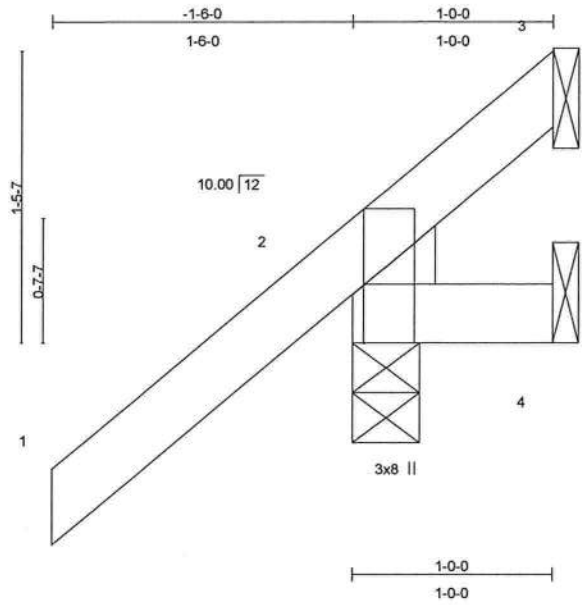


Plate Offsets (X,Y): [2:0-3-8,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.16	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
WEDGE
Left: 2 X 4 SYP No.3

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=180/0-4-0, 4=5/Mechanical, 3=-41/Mechanical
Max Horz 2=113(load case 6)
Max Uplift 2=-172(load case 6), 3=-41(load case 1)
Max Grav 2=180(load case 1), 4=14(load case 2), 3=53(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/44, 2-3=-70/48
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.08 and 2 = 0.00

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

Continued on page 2

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

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME
					J1922676
SEAL TRUSSES	CJ1A	JACK	4	1	Job Reference (optional)

NOTES

4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 172 lb uplift at joint 2 and 41 lb uplift at joint 3.

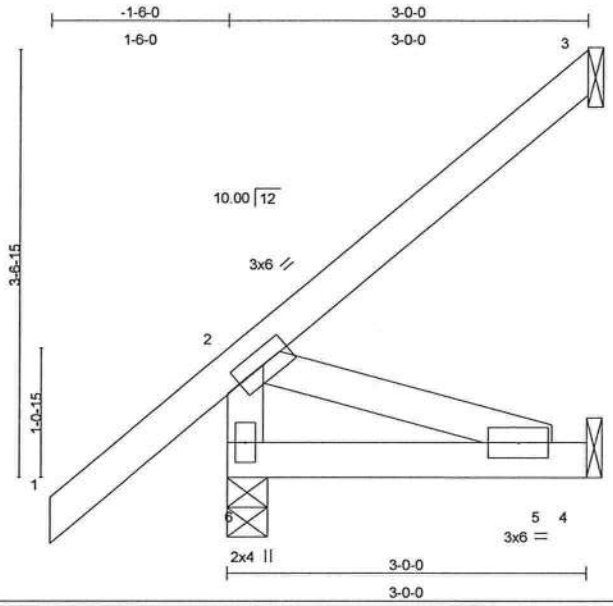
LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1389 Coastal Bay Blvd
Boynton Beach, FL 33435

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME J1922677
SEAL TRUSSES	CJ3	JACK	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 03 16:39:44 2008 Page 1



Scale = 1:18.2

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.23	Vert(LL)	-0.00	5-6	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.06	Vert(TL)	-0.01	5-6	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.06	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
WEBS 2 X 4 SYP No.3

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

REACTIONS (lb/size) 6=204/0-4-0, 3=49/Mechanical, 4=14/Mechanical
Max Horz 6=216(load case 6)
Max Uplift 6=-77(load case 6), 3=-48(load case 6), 4=-55(load case 6)
Max Grav 6=204(load case 1), 3=49(load case 1), 4=42(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 2-6=-190/93, 1-2=0/57, 2-3=-65/22
BOT CHORD 5-6=-240/0, 4-5=0/0
WEBS 2-5=0/253

JOINT STRESS INDEX
2 = 0.11, 5 = 0.07 and 6 = 0.07

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; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
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

Julius Lee
Truss Design Engineer
Florida PE# No. 34183
1109 Coastal Bay Blvd
Boynton Beach, FL 33435

January 9,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME J1922677
SEAL TRUSSES	CJ3	JACK	2	1	Job Reference (optional)

NOTES

4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 77 lb uplift at joint 6, 48 lb uplift at joint 3 and 55 lb uplift at joint 4.

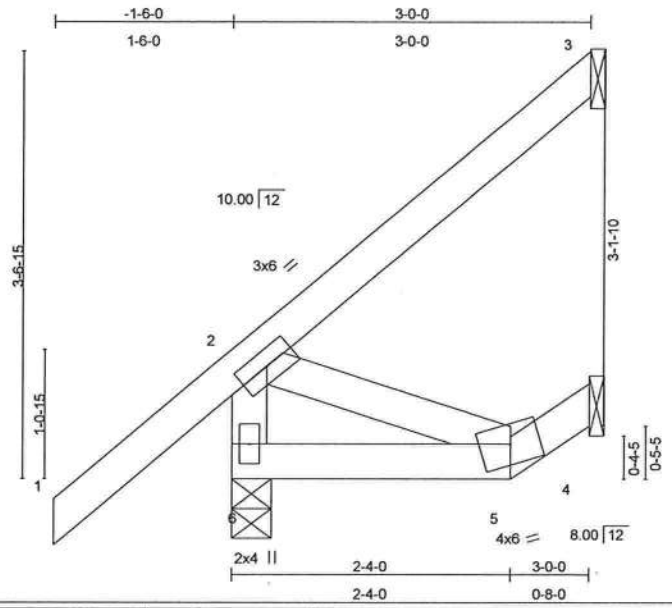
LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1303 Coastal Bay Blvd
Boynton Beach, FL 33435

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME
					J1922678
SEAL TRUSSES	CJ3A	SPECIAL	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 03 16:39:44 2008 Page 1



Scale = 1:18.2

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.26	Vert(LL)	0.01	5	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.03	Vert(TL)	-0.01	5	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.04	Horz(TL)	-0.00	4	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 3-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (lb/size) 6=245/0-4-0, 3=20/Mechanical, 4=3/Mechanical
Max Horz 6=106(load case 2), 3=185(load case 6)
Max Uplift 6=-288(load case 6), 3=-76(load case 2)
Max Grav 6=245(load case 1), 3=106(load case 6), 4=9(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 2-6=-234/348, 1-2=0/57, 2-3=-155/250
BOT CHORD 5-6=-106/0, 4-5=-4/4
WEBS 2-5=0/114

JOINT STRESS INDEX
2 = 0.21, 5 = 0.05 and 6 = 0.19

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; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
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

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

January 9,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME J1922678
SEAL TRUSSES	CJ3A	SPECIAL	2	1	Job Reference (optional)

NOTES

4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 288 lb uplift at joint 6 and 76 lb uplift at joint 3.
5) Non Standard bearing condition. Review required.

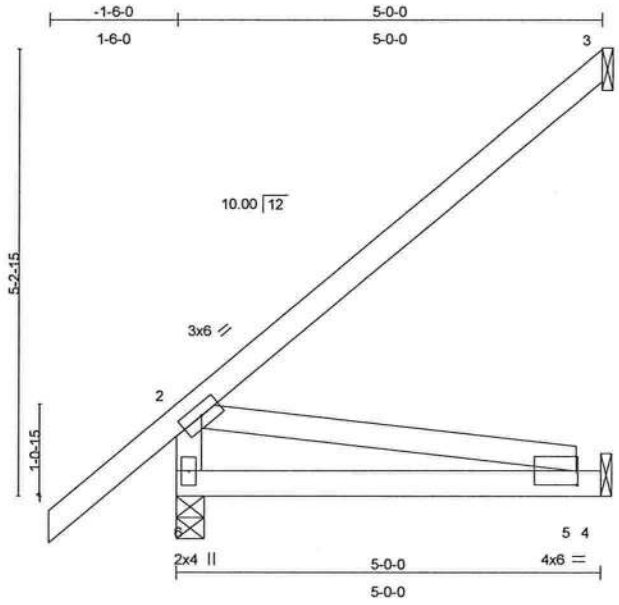
LOAD CASE(S) Standard

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

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME J1922679
SEAL TRUSSES	CJ5	JACK	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 03 16:39:45 2008 Page 1



Scale = 1:25.5

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.23	Vert(LL)	-0.03	5-6	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.16	Vert(TL)	-0.05	5-6	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.08	Horz(TL)	-0.01	3	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 5-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 6=257/0-4-0, 3=114/Mechanical, 4=24/Mechanical
Max Horz 6=293(load case 6)
Max Uplift 6=-69(load case 6), 3=-139(load case 6), 4=-37(load case 6)
Max Grav 6=257(load case 1), 3=114(load case 1), 4=72(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 2-6=-234/96, 1-2=0/57, 2-3=-124/56
BOT CHORD 5-6=-325/1, 4-5=0/0
WEBS 2-5=-1/331

JOINT STRESS INDEX
2 = 0.13, 5 = 0.13 and 6 = 0.08

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; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
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

Continued on page 2

Julius Lee
Truss Design Engineer
Florida PE# No. 34834
1109 Coastal Bay Blvd
Boynton Beach, FL 33435

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME J1922679
SEAL TRUSSES	CJ5	JACK	2	1	Job Reference (optional)

NOTES

4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 69 lb uplift at joint 6, 139 lb uplift at joint 3 and 37 lb uplift at joint 4.

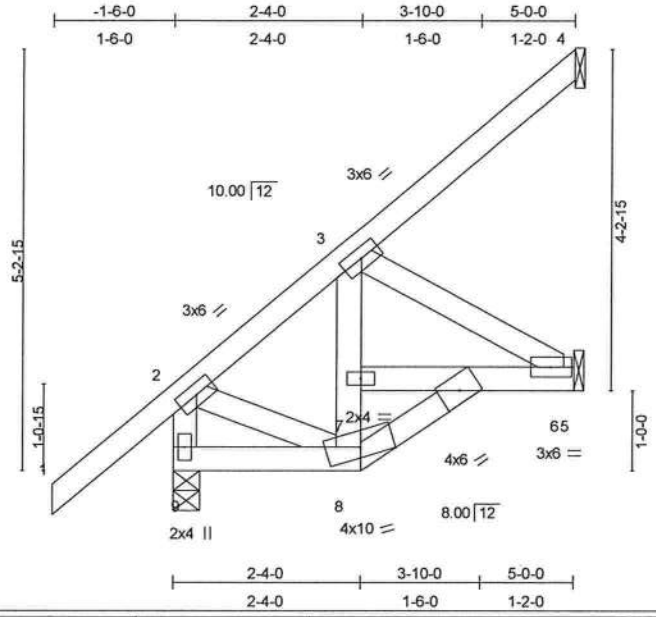
LOAD CASE(S) Standard

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

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME J1922680
SEAL TRUSSES	CJ5A	SPECIAL	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Jan 09 13:27:06 2008 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	0.23	Vert(LL)	0.01	8	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.07	Vert(TL)	-0.01	6-7	>999	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.31	Horz(TL)	-0.02	6	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 *Except* 8-10 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

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

REACTIONS (lb/size) 9=257/0-4-0, 4=69/Mechanical, 6=69/Mechanical
Max Horz 9=293(load case 6)
Max Uplift 9=-68(load case 6), 4=-94(load case 6), 6=-83(load case 6)
Max Grav 9=257(load case 1), 4=69(load case 1), 6=81(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 2-9=-246/90, 1-2=0/57, 2-3=-130/0, 3-4=-81/35
BOT CHORD 8-9=-325/1, 6-7=-175/95, 5-6=0/0
WEBS 7-8=-86/13, 3-7=-78/53, 2-8=0/237, 3-6=-110/203

JOINT STRESS INDEX
2 = 0.11, 3 = 0.10, 6 = 0.06, 7 = 0.10, 8 = 0.39, 9 = 0.09 and 10 = 0.00

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; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
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 9, 94 lb uplift at joint 4 and 83 lb uplift at joint 6.

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

January 9,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME J1922680
SEAL TRUSSES	CJ5A	SPECIAL	2	1	Job Reference (optional)

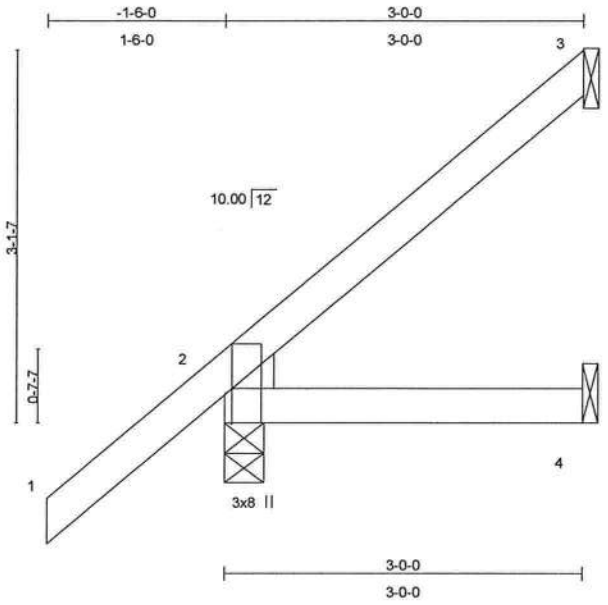
LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1909 Coastal Bay Blvd
Boynton Beach, FL 33435

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME
SEAL TRUSSES	EJ3	MONO TRUSS	6	1	J1922681 Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 03 16:39:46 2008 Page 1



Scale = 1:18.2

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.18	Vert(LL)	-0.00	2-4	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.05	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: 14 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEDGE
Left: 2 X 4 SYP No.3

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=48/Mechanical, 2=206/0-4-0, 4=14/Mechanical
Max Horz 2=188(load case 6)
Max Uplift 3=-75(load case 6), 2=-114(load case 6)
Max Grav 3=48(load case 1), 2=206(load case 1), 4=42(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-74/23
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.10 and 2 = 0.00

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

Continued on page 2

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

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME
					J1922681
SEAL TRUSSES	EJ3	MONO TRUSS	6	1	Job Reference (optional)

NOTES

4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 75 lb uplift at joint 3 and 114 lb uplift at joint 2.

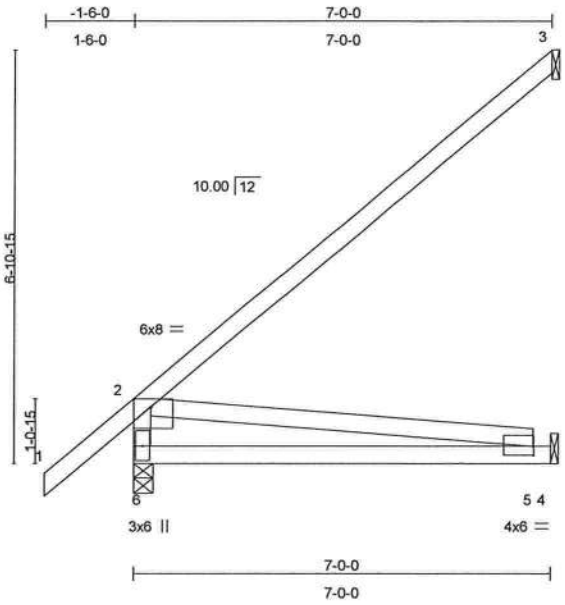
LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida PE# No. 38183
1109 Coastal Bay Blvd
Boynton Beach, FL 33435

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME
SEAL TRUSSES	EJ7	MONO TRUSS	9	1	J1922682
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 03 16:39:46 2008 Page 1



Scale = 1:36.4

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

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)	-0.06	5-6	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.31	Vert(TL)	-0.10	5-6	>779	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.24	Horz(TL)	-0.02	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 38 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-0-2 oc bracing.

REACTIONS (lb/size) 3=142/Mechanical, 6=317/0-4-0, 4=64/Mechanical
Max Horz 6=271(load case 6)
Max Uplift 3=-122(load case 6), 6=-36(load case 6), 4=-32(load case 6)
Max Grav 3=142(load case 1), 6=317(load case 1), 4=110(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/57, 2-3=-164/68, 2-6=-274/102
BOT CHORD 5-6=-620/299, 4-5=0/0
WEBS 2-5=-301/625

JOINT STRESS INDEX
2 = 0.63, 5 = 0.28 and 6 = 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 and C-C Exterior(2) zone; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
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

Continued on page 2

Julius Lee
Truss Design Engineer
Florida PE No. 34183
1109 Coastal Bay Blvd
Boynton Beach, FL 33435

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME
					J1922682
SEAL TRUSSES	EJ7	MONO TRUSS	9	1	Job Reference (optional)

NOTES

4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 122 lb uplift at joint 3, 36 lb uplift at joint 6 and 32 lb uplift at joint 4.

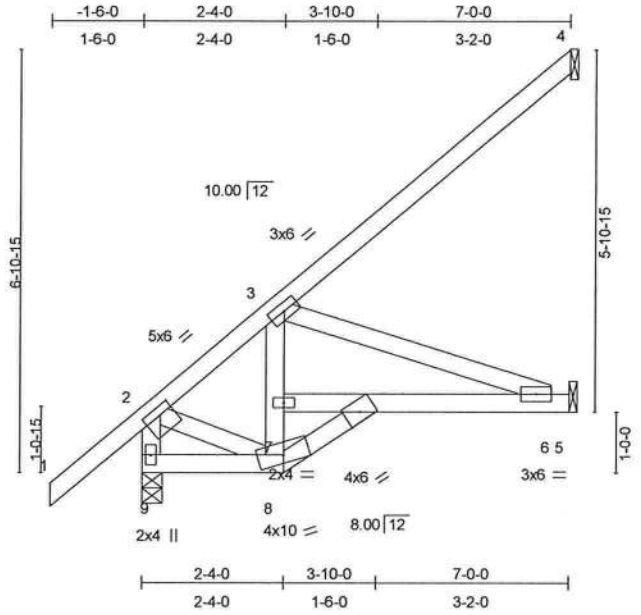
LOAD CASE(S) Standard

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

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME
SEAL TRUSSES	EJ7A	SPECIAL	3	1	J1922683
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Jan 09 13:27:55 2008 Page 1



Scale = 1:35.5

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.37	Vert(LL)	0.04	7	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.19	Vert(TL)	-0.06	6-7	>999	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.67	Horz(TL)	-0.05	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 44 lb	

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

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

REACTIONS (lb/size) 4=109/Mechanical, 9=317/0-4-0, 5=97/Mechanical
Max Horz 9=271(load case 6)
Max Uplift 4=-94(load case 6), 9=-36(load case 6), 5=-60(load case 6)
Max Grav 4=109(load case 1), 9=317(load case 1), 5=116(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/57, 2-3=-188/0, 3-4=-124/54, 2-9=-306/99
BOT CHORD 8-9=-212/22, 6-7=-376/223, 5-6=0/0
WEBS 7-8=-77/0, 3-7=-50/64, 2-8=-19/223, 3-6=-236/398

JOINT STRESS INDEX
2 = 0.80, 3 = 0.18, 6 = 0.11, 7 = 0.21, 8 = 0.47, 9 = 0.33 and 10 = 0.00

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; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
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 94 lb uplift at joint 4, 36 lb uplift at joint 9 and 60 lb uplift at joint 5.

Julius Lee
Truss Design Engineer
Florida PE# No. 34183
1109 Coastal Bay Blvd
Boynton Beach, FL 33435

January 9,2008

Continued on page 2

LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1306 Coastal Bay Blvd
Boynton Beach, FL 33435

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME
SEAL TRUSSES	EJ7B	SPECIAL	1	1	J1922684
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Jan 09 13:28:43 2008 Page 1

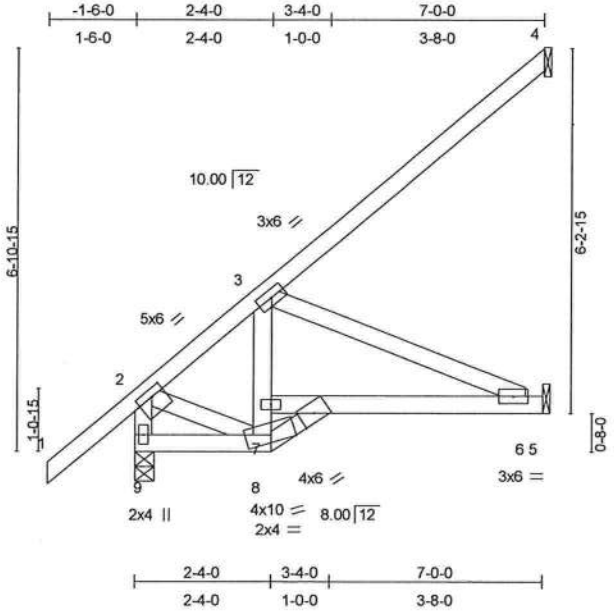


Plate Offsets (X,Y): [2:0-2-12,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.39	Vert(LL)	-0.03	6-7	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.19	Vert(TL)	-0.06	6-7	>999	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.46	Horz(TL)	-0.03	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 43 lb	

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

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

REACTIONS (lb/size) 4=107/Mechanical, 9=317/0-4-0, 5=100/Mechanical
Max Horz 9=271(load case 6)
Max Uplift 4=-91(load case 6), 9=-36(load case 6), 5=-62(load case 6)
Max Grav 4=107(load case 1), 9=317(load case 1), 5=117(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/57, 2-3=-189/0, 3-4=-121/52, 2-9=-307/99
BOT CHORD 8-9=-204/21, 6-7=-320/190, 5-6=0/0
WEBS 7-8=-81/6, 3-7=-53/62, 2-8=-36/233, 3-6=-206/347

JOINT STRESS INDEX
2 = 0.84, 3 = 0.16, 6 = 0.10, 7 = 0.18, 8 = 0.49, 9 = 0.34 and 10 = 0.00

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; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
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 91 lb uplift at joint 4, 36 lb uplift at joint 9 and 62 lb uplift at joint 5.

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

January 9,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME
					J1922684
SEAL TRUSSES	EJ7B	SPECIAL	1	1	Job Reference (optional)

LOAD CASE(S) Standard

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

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME
SEAL TRUSSES	HJ4	JACK	2	1	J1922685
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 03 16:39:48 2008 Page 1

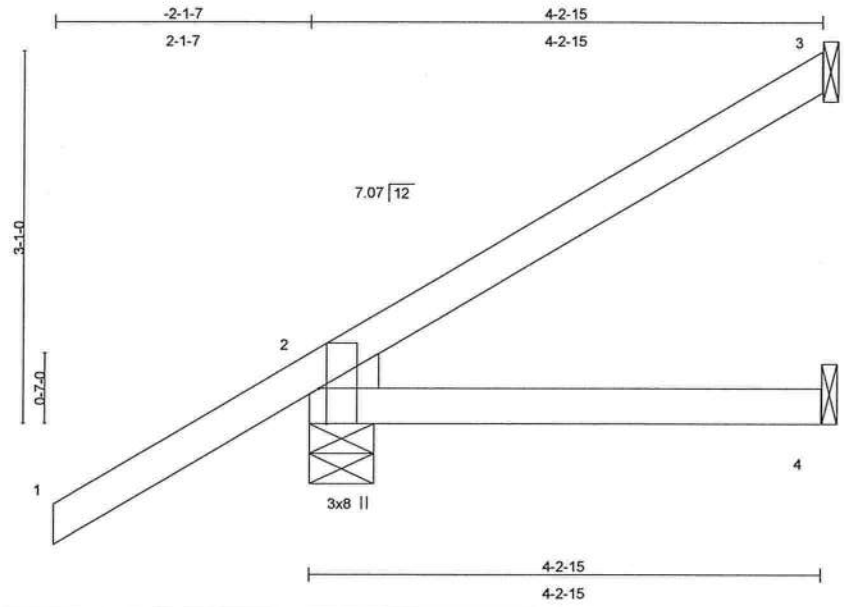


Plate Offsets (X,Y): [2:0-3-8,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.33	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	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
WEDGE
Left: 2 X 4 SYP No.3

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=38/Mechanical, 2=217/0-6-6, 4=14/Mechanical
Max Horz 2=114(load case 5)
Max Uplift 3=-23(load case 5), 2=-160(load case 5)
Max Grav 3=83(load case 3), 2=217(load case 1), 4=53(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/49, 2-3=-47/45
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.09 and 2 = 0.00

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 23 lb uplift at joint 3 and 160 lb uplift at joint 2.

Continued on page 2

Julius Lee
Truss Design Engineer
Florida FIE No. 33-11838
1109 Coastal Bay Blvd
Boynton Beach, FL 33435

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME J1922685
SEAL TRUSSES	HJ4	JACK	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=-4(F=25, B=25)-to-3=-57(F=-2, B=-2), 2=0(F=5, B=5)-to-4=-11(F=-0, B=-0)

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

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME
SEAL TRUSSES	HJ9	MONO TRUSS	1	1	J1922686
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 03 16:39:48 2008 Page 1

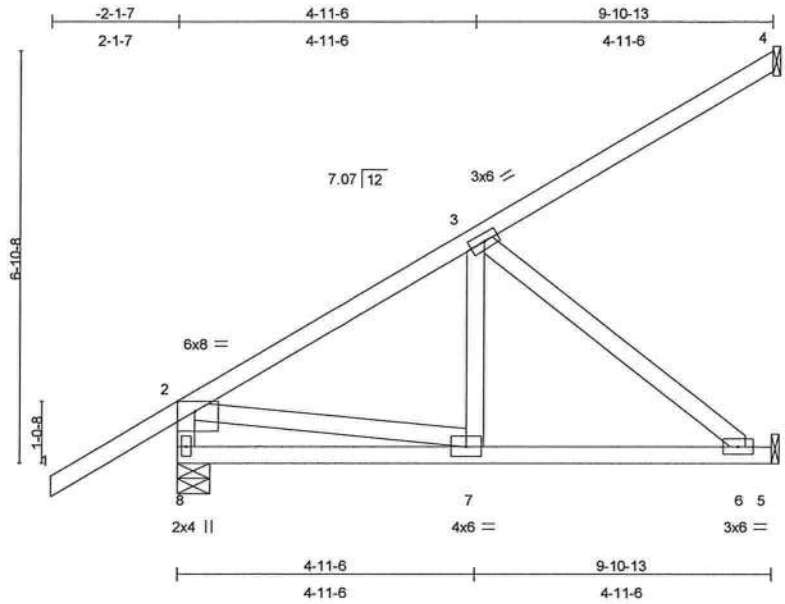


Plate Offsets (X,Y): [2:0-3-8,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.63	Vert(LL)	0.03	6-7	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.27	Vert(TL)	-0.07	6-7	>999	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.24	Horz(TL)	-0.01	4	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 57 lb	

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

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

REACTIONS (lb/size) 8=399/0-6-6, 4=235/Mechanical, 5=266/Mechanical
Max Horz 8=462(load case 5)
Max Uplift 8=-80(load case 5), 4=-289(load case 5), 5=-189(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 2-8=-400/92, 1-2=0/62, 2-3=-364/0, 3-4=-185/87
BOT CHORD 7-8=-160/122, 6-7=-295/302, 5-6=0/0
WEBS 2-7=-137/440, 3-7=0/170, 3-6=-389/379

JOINT STRESS INDEX
2 = 0.56, 3 = 0.20, 6 = 0.13, 7 = 0.18 and 8 = 0.34

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; end vertical left 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 80 lb uplift at joint 8, 289 lb uplift at joint 4 and 189 lb uplift at joint 5.

Julius Lee
Truss Design Engineer
Florida PE No. 31580
1109 Coastal Bay Blvd
Boynton Beach, FL 33435

January 9,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME
					J1922686
SEAL TRUSSES	HJ9	MONO TRUSS	1	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=-2(F=26, B=26)-to-4=-134(F=-40, B=-40), 8=0(F=5, B=5)-to-5=-25(F=-7, B=-7)

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

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME
SEAL TRUSSES	HJ9A	SPECIAL	1	1	J1922687
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Jan 09 13:30:00 2008 Page 1

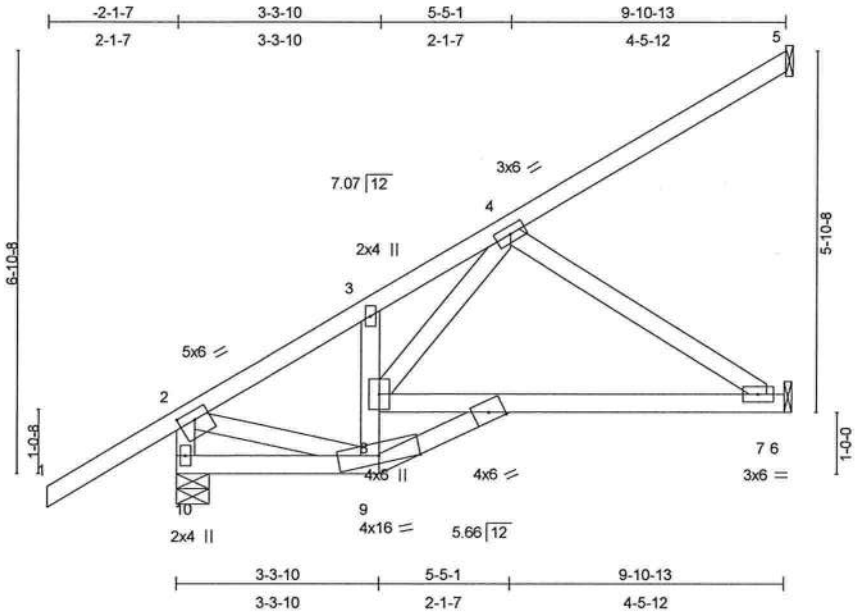


Plate Offsets (X,Y): [2:0-3-0,0-1-12]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.39	Vert(LL)	-0.12	7-8	>994	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.48	Vert(TL)	-0.27	7-8	>427	240		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.44	Horz(TL)	-0.05	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 60 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3 *Except*
3-9 2 X 4 SYP No.2

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

REACTIONS (lb/size) 10=399/0-6-7, 5=211/Mechanical, 6=290/Mechanical
Max Horz 10=462(load case 5)
Max Uplift 10=-80(load case 5), 5=-258(load case 5), 6=-220(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 2-10=-393/90, 1-2=0/62, 2-3=-281/0, 3-4=-371/8, 4-5=-167/78
BOT CHORD 9-10=-264/25, 7-8=-383/336, 6-7=0/0
WEBS 8-9=-67/0, 3-8=-164/0, 4-7=-409/467, 2-9=0/281, 4-8=0/231

JOINT STRESS INDEX
2 = 0.69, 3 = 0.11, 4 = 0.24, 7 = 0.14, 8 = 0.16, 9 = 0.13, 10 = 0.29 and 11 = 0.00

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; end vertical left 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 80 lb uplift at joint 10, 258 lb uplift at joint 5 and 220 lb uplift at joint 6.
5) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

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

January 9,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME
					J1922687
SEAL TRUSSES	HJ9A	SPECIAL	1	1	Job Reference (optional)

LOAD CASE(S) Standard

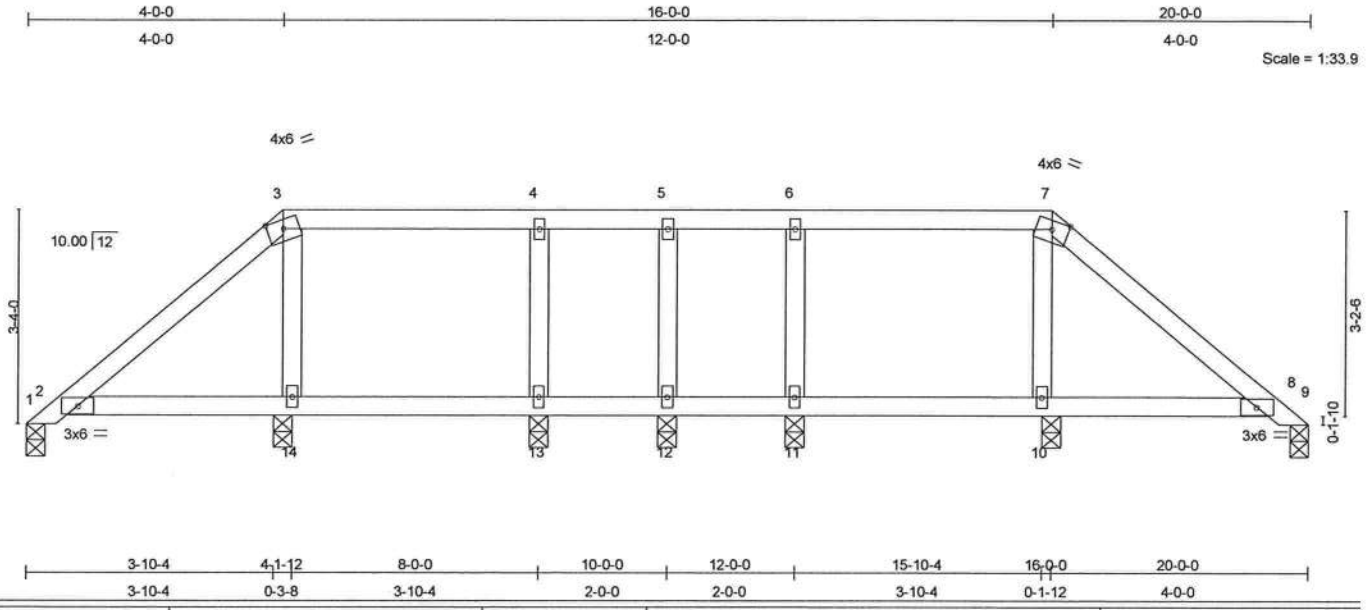
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-2=-54
   Trapezoidal Loads (plf)
   Vert: 2=-2(F=26, B=26)-to-5=-134(F=-40, B=-40), 10=0(F=5, B=5)-to-9=-8(F=1, B=1), 8=-8(F=1, B=1)-to-6=-25(F=-7, B=-7)

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1303 Coastal Bay Blvd
Boynton Beach, FL 33435

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME J1922688
SEAL TRUSSES	PB1	GABLE	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 03 16:39:50 2008 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	0.12	Vert(LL)	-0.01	2-14	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.08	Vert(TL)	-0.01	2-14	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.06	Horz(TL)	0.00	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 81 lb	

LUMBER

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

BRACING

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

REACTIONS (lb/size) 1=58/0-3-8, 14=329/0-3-8, 10=329/0-3-8, 12=73/0-3-8, 11=209/0-3-8, 13=209/0-3-8, 9=58/0-3-8
Max Horz 1=90(load case 5)
Max Uplift 1=-20(load case 4), 14=-117(load case 5), 10=-77(load case 7), 12=-18(load case 5), 11=-99(load case 5), 13=-100(load case 4), 9=-26(load case 4)
Max Grav 1=79(load case 10), 14=329(load case 1), 10=329(load case 1), 12=73(load case 1), 11=230(load case 10), 13=230(load case 11), 9=79(load case 11)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=-82/88, 2-3=-57/144, 3-4=0/69, 4-5=0/69, 5-6=0/69, 6-7=0/69, 7-8=-55/144, 8-9=-45/20
BOT CHORD	2-14=-55/108, 13-14=-69/118, 12-13=-69/118, 11-12=-69/118, 10-11=-69/118, 8-10=-55/108
WEBS	3-14=-270/181, 7-10=-270/181, 5-12=-55/47, 6-11=-198/123, 4-13=-198/123

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

JOINT STRESS INDEX
2 = 0.25, 3 = 0.47, 4 = 0.33, 5 = 0.33, 6 = 0.33, 7 = 0.47, 8 = 0.25, 10 = 0.33, 11 = 0.33, 12 = 0.33, 13 = 0.33 and 14 = 0.33

Continued on page 2

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME
					J1922688
SEAL TRUSSES	PB1	GABLE	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 plates are 2x4 MT20 unless otherwise indicated.
6) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
7) Bearing at joint(s) 1, 9 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 20 lb uplift at joint 1, 117 lb uplift at joint 14, 77 lb uplift at joint 10, 18 lb uplift at joint 12, 99 lb uplift at joint 11, 100 lb uplift at joint 13 and 26 lb uplift at joint 9.
9) SEE MiTek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS

LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida FIE No. 34893
1309 Coastal Bay Blvd
Boynton Beach, FL 33435

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME J1922689
SEAL TRUSSES	PB1A	GABLE	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 03 16:39:51 2008 Page 1

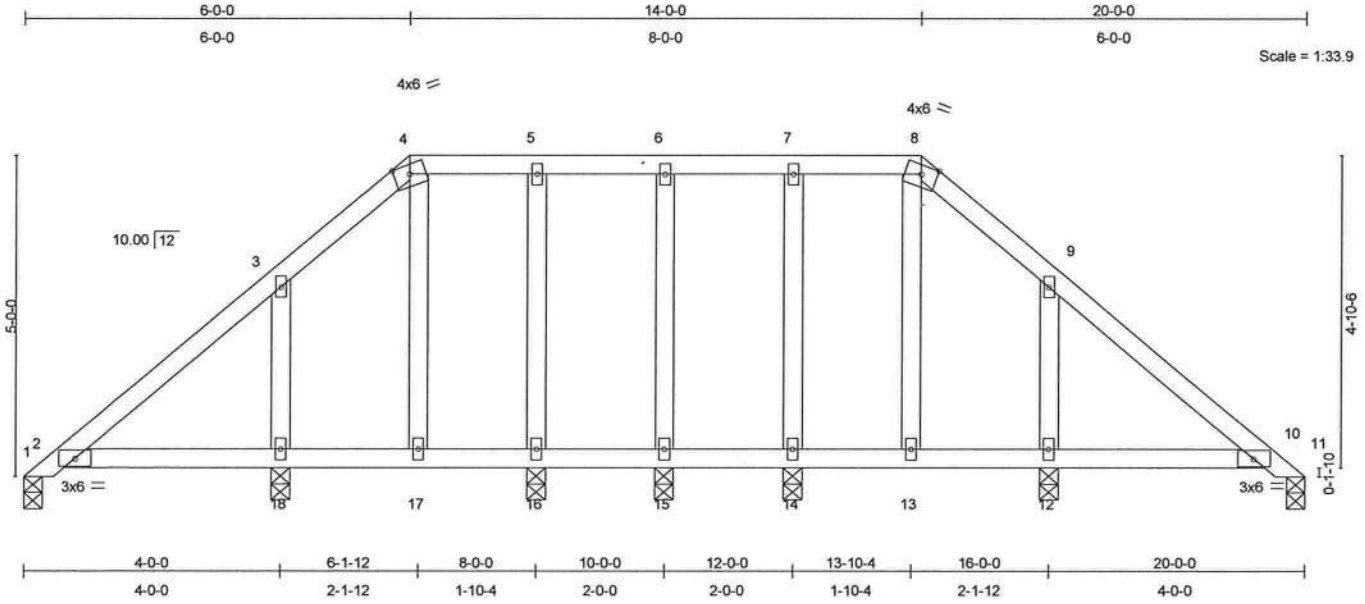


Plate Offsets (X,Y): [3:0-0-0,0-0-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.12	Vert(LL)	-0.01	10-12	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.12	Vert(TL)	-0.01	10-12	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.05	Horz(TL)	0.01	11	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 103 lb	

LUMBER

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

BRACING

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

REACTIONS (lb/size) 1=100/0-3-8, 15=75/0-3-8, 12=288/0-3-8, 14=206/0-3-8, 18=288/0-3-8, 16=206/0-3-8, 11=100/0-3-8
Max Horz 1=136(load case 5)
Max Uplift 1=-34(load case 4), 15=-55(load case 4), 12=-131(load case 7), 14=-55(load case 5), 18=-143(load case 6), 16=-67(load case 5)
Max Grav 1=108(load case 10), 15=85(load case 11), 12=288(load case 1), 14=206(load case 1), 18=288(load case 1), 16=206(load case 1), 11=108(load case 11)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=-140/134, 2-3=-101/91, 3-4=-78/68, 4-5=-14/73, 5-6=-14/74, 6-7=-14/74, 7-8=-14/73, 8-9=-78/68, 9-10=-92/63, 10-11=-62/1
BOT CHORD	2-18=-21/140, 17-18=-21/140, 16-17=-20/140, 15-16=-20/140, 14-15=-20/140, 13-14=-20/140, 12-13=-21/140, 10-12=-21/140
WEBS	4-17=-43/30, 8-13=-43/21, 6-15=-89/78, 9-12=-199/202, 7-14=-142/78, 3-18=-199/202, 5-16=-142/78

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

JOINT STRESS INDEX

2 = 0.35, 3 = 0.33, 4 = 0.24, 5 = 0.33, 6 = 0.33, 7 = 0.33, 8 = 0.24, 9 = 0.33, 10 = 0.35, 12 = 0.33, 13 = 0.33, 14 = 0.33, 15 = 0.33, 16 = 0.33, 17 = 0.33 and 18 = 0.33

January 9,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME J1922689
SEAL TRUSSES	PB1A	GABLE	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 plates are 2x4 MT20 unless otherwise indicated.
6) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
7) Bearing at joint(s) 1, 11 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 34 lb uplift at joint 1, 55 lb uplift at joint 15, 131 lb uplift at joint 12, 55 lb uplift at joint 14, 143 lb uplift at joint 18 and 67 lb uplift at joint 16.
9) SEE MiTek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS

LOAD CASE(S) Standard

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

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME
SEAL TRUSSES	PB1B	GABLE	1	1	J1922690
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 03 16:39:52 2008 Page 1

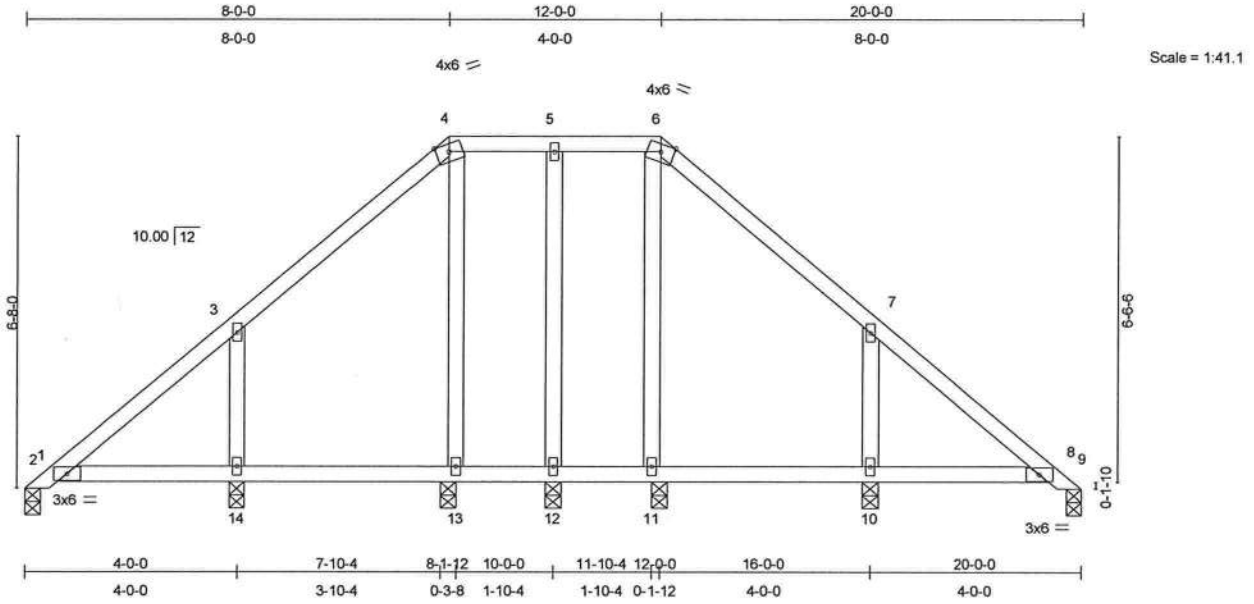


Plate Offsets (X,Y): [3:0-0-0,0-0-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.12	Vert(LL)	-0.01	8-10	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.10	Vert(TL)	-0.01	8-10	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.15	Horz(TL)	0.01	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 99 lb	

LUMBER

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

BRACING

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

REACTIONS (lb/size) 1=70/0-3-8, 9=70/0-3-8, 13=239/0-3-8, 11=239/0-3-8, 12=73/0-3-8, 10=287/0-3-8, 14=287/0-3-8
Max Horz 1=-182(load case 4)
Max Uplift 1=-69(load case 4), 13=-74(load case 5), 11=-16(load case 4), 12=-49(load case 5), 10=-168(load case 7), 14=-174(load case 6)
Max Grav 1=89(load case 5), 9=79(load case 11), 13=239(load case 1), 11=239(load case 1), 12=94(load case 11), 10=289(load case 11), 14=289(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=-199/192, 2-3=-162/146, 3-4=-46/131, 4-5=0/155, 5-6=0/155, 6-7=-43/121, 7-8=-88/120, 8-9=-45/1
BOT CHORD	2-14=-37/130, 13-14=-37/130, 12-13=-42/132, 11-12=-42/132, 10-11=-37/130, 8-10=-37/130
WEBS	4-13=-211/101, 6-11=-211/79, 5-12=-84/50, 7-10=-227/262, 3-14=-227/262

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

JOINT STRESS INDEX
2 = 0.26, 3 = 0.33, 4 = 0.33, 5 = 0.33, 6 = 0.33, 7 = 0.33, 8 = 0.26, 10 = 0.33, 11 = 0.33, 12 = 0.33, 13 = 0.33 and 14 = 0.33

January 9,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME J1922690
SEAL TRUSSES	PB1B	GABLE	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 plates are 2x4 MT20 unless otherwise indicated.
6) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
7) Bearing at joint(s) 1, 9 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 69 lb uplift at joint 1, 74 lb uplift at joint 13, 16 lb uplift at joint 11, 49 lb uplift at joint 12, 168 lb uplift at joint 10 and 174 lb uplift at joint 14.
9) SEE MiTek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS

LOAD CASE(S) Standard

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

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME J1922691
SEAL TRUSSES	PB1C	GABLE	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 03 16:39:53 2008 Page 1

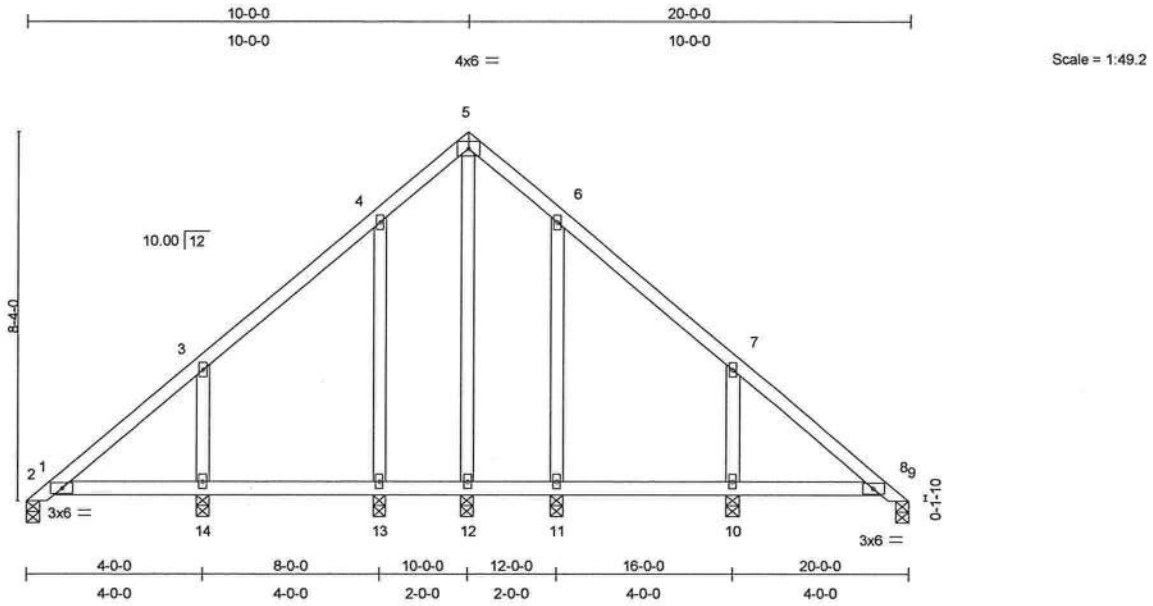


Plate Offsets (X,Y): [3:0-0-0,0-0-0], [4:0-0-0,0-0-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.12	Vert(LL)	0.01	2-14	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.10	Vert(TL)	-0.01	8-10	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.21	Horz(TL)	0.01	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 103 lb	

LUMBER

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

BRACING

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

REACTIONS (lb/size) 1=65/0-3-8, 9=65/0-3-8, 12=143/0-3-8, 10=285/0-3-8, 11=210/0-3-8, 14=285/0-3-8, 13=210/0-3-8
Max Horz 1=228(load case 5)
Max Uplift 1=-79(load case 4), 10=-163(load case 7), 11=-127(load case 7), 14=-171(load case 6), 13=-127(load case 6)
Max Grav 1=127(load case 5), 9=74(load case 11), 12=162(load case 7), 10=288(load case 11), 11=210(load case 1), 14=288(load case 10), 13=210(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=-258/235, 2-3=-221/155, 3-4=-104/143, 4-5=-12/193, 5-6=-12/193, 6-7=-33/122, 7-8=-162/129, 8-9=-42/0
BOT CHORD	2-14=-44/188, 13-14=-44/188, 12-13=-44/188, 11-12=-44/188, 10-11=-44/188, 8-10=-44/188
WEBS	5-12=-196/0, 7-10=-226/262, 6-11=-183/212, 3-14=-226/262, 4-13=-183/212

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

JOINT STRESS INDEX
2 = 0.25, 3 = 0.33, 4 = 0.33, 5 = 0.30, 6 = 0.33, 7 = 0.33, 8 = 0.25, 10 = 0.33, 11 = 0.33, 12 = 0.33, 13 = 0.33 and 14 = 0.33

January 9,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME
					J1922691
SEAL TRUSSES	PB1C	GABLE	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) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Bearing at joint(s) 1, 9 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 79 lb uplift at joint 1, 163 lb uplift at joint 10, 127 lb uplift at joint 11, 171 lb uplift at joint 14 and 127 lb uplift at joint 13.
8) SEE MiTek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS

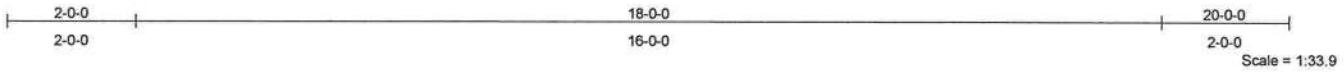
LOAD CASE(S) Standard

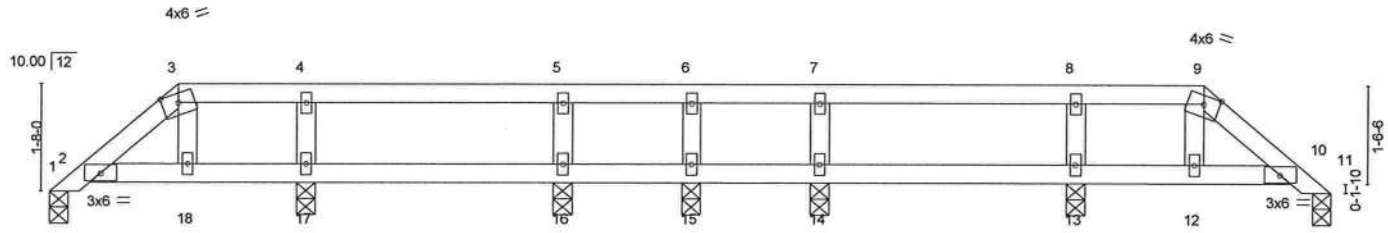
Julius Lee
Truss Design Engineer
Florida PE No. 34869
1109 Coastal Ray Blvd.
Boynton Beach, FL 33435

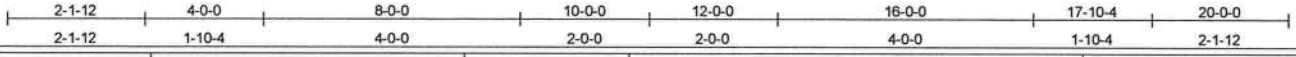
January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME J1922692
SEAL TRUSSES	PB1D	GABLE	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 03 16:39:54 2008 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	0.13	Vert(LL)	0.01	18	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.09	Vert(TL)	-0.01	12	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.04	Horz(TL)	0.01	11	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 69 lb	

LUMBER

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

BRACING

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

REACTIONS (lb/size) 1=121/0-3-8, 11=121/0-3-8, 15=65/0-3-8, 13=262/0-3-8, 14=215/0-3-8, 17=262/0-3-8, 16=215/0-3-8
Max Horz 1=-44(load case 4)
Max Uplift 1=-25(load case 6), 11=-28(load case 7), 15=-22(load case 5), 13=-98(load case 4), 14=-86(load case 5), 17=-106(load case 5), 16=-89(load case 4)
Max Grav 1=121(load case 1), 11=121(load case 1), 15=65(load case 1), 13=269(load case 11), 14=223(load case 10), 17=269(load case 10), 16=223(load case 11)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=-70/39, 2-3=-105/54, 3-4=-67/64, 4-5=-67/65, 5-6=-67/65, 6-7=-67/65, 7-8=-67/65, 8-9=-67/64, 9-10=-105/54, 10-11=-70/39
BOT CHORD	2-18=-17/67, 17-18=-15/67, 16-17=-15/67, 15-16=-15/67, 14-15=-15/67, 13-14=-15/67, 12-13=-15/67, 10-12=-15/67
WEBS	3-18=-4/23, 9-12=-4/23, 6-15=-50/34, 8-13=-209/142, 7-14=-191/137, 4-17=-209/142, 5-16=-191/137

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

JOINT STRESS INDEX

2 = 0.23, 3 = 0.24, 4 = 0.33, 5 = 0.33, 6 = 0.33, 7 = 0.33, 8 = 0.33, 9 = 0.24, 10 = 0.23, 12 = 0.33, 13 = 0.33, 14 = 0.33, 15 = 0.33, 16 = 0.33, 17 = 0.33 and 18 = 0.33

Continued on page 2

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME J1922692
SEAL TRUSSES	PB1D	GABLE	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 plates are 2x4 MT20 unless otherwise indicated.
6) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
7) Bearing at joint(s) 1, 11 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 25 lb uplift at joint 1, 28 lb uplift at joint 11, 22 lb uplift at joint 15, 98 lb uplift at joint 13, 86 lb uplift at joint 14, 106 lb uplift at joint 17 and 89 lb uplift at joint 16.
9) SEE MiTek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS

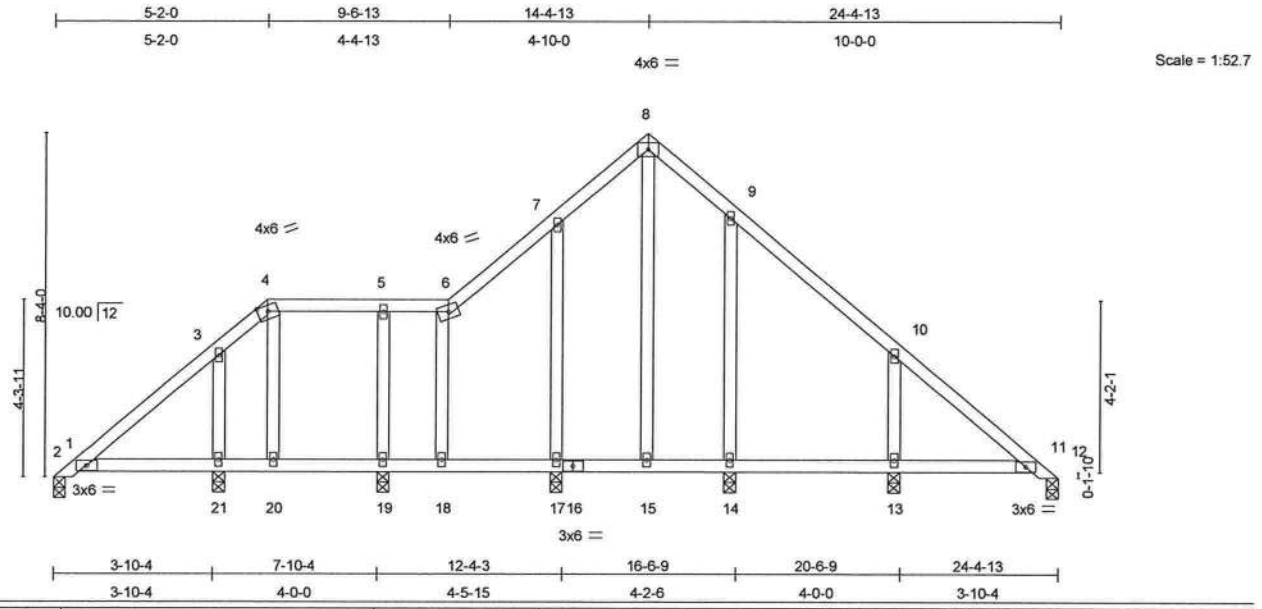
LOAD CASE(S) Standard

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

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME
SEAL TRUSSES	PB2	VALLEY	1	1	J1922693
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 03 16:39:55 2008 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	0.11	Vert(LL)	-0.01	11-13	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.11	Vert(TL)	-0.01	11-13	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.13	Horz(TL)	0.01	12	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 133 lb	

LUMBER

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

BRACING

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

REACTIONS (lb/size) 1=100/0-3-8, 12=99/0-3-8, 21=278/0-3-8, 19=262/0-3-8, 17=271/0-3-8, 14=252/0-3-8, 13=283/0-3-8

Max Horz 1=-228(load case 4)

Max Uplift 1=-34(load case 4), 12=-3(load case 5), 21=-181(load case 6), 19=-103(load case 4), 17=-72(load case 6), 14=-93(load case 7), 13=-162(load case 7)

Max Grav 1=117(load case 5), 12=100(load case 11), 21=279(load case 10), 19=263(load case 10), 17=271(load case 1), 14=252(load case 1), 13=287(load case 11)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-253/208, 2-3=-230/78, 3-4=-89/46, 4-5=-77/43, 5-6=-77/43, 6-7=-67/63, 7-8=-61/89, 8-9=-62/101, 9-10=-77/63, 10-11=-240/70, 11-12=-58/6

BOT CHORD 2-21=-42/248, 20-21=-42/248, 19-20=-40/251, 18-19=-40/251, 17-18=-40/249, 16-17=-40/249, 15-16=-40/249, 14-15=-40/249, 13-14=-40/249, 11-13=-40/249

WEBS 8-15=-41/5, 4-20=-47/73, 6-18=-57/43, 3-21=-182/205, 5-19=-171/120, 7-17=-184/151, 9-14=-196/190, 10-13=-227/263

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

JOINT STRESS INDEX

2 = 0.35, 3 = 0.33, 4 = 0.24, 5 = 0.33, 6 = 0.29, 7 = 0.33, 8 = 0.30, 9 = 0.33, 10 = 0.33, 11 = 0.29, 13 = 0.33, 14 = 0.33, 15 = 0.33, 16 = 0.15, 17 = 0.33, 18 = 0.33, 19 = 0.33, 20 = 0.33 and 21 = 0.33

January 9,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME J1922693
SEAL TRUSSES	PB2	VALLEY	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 plates are 2x4 MT20 unless otherwise indicated.
6) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
7) Bearing at joint(s) 1, 12 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 34 lb uplift at joint 1, 3 lb uplift at joint 12, 181 lb uplift at joint 21, 103 lb uplift at joint 19, 72 lb uplift at joint 17, 93 lb uplift at joint 14 and 162 lb uplift at joint 13.
9) SEE MiTek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS

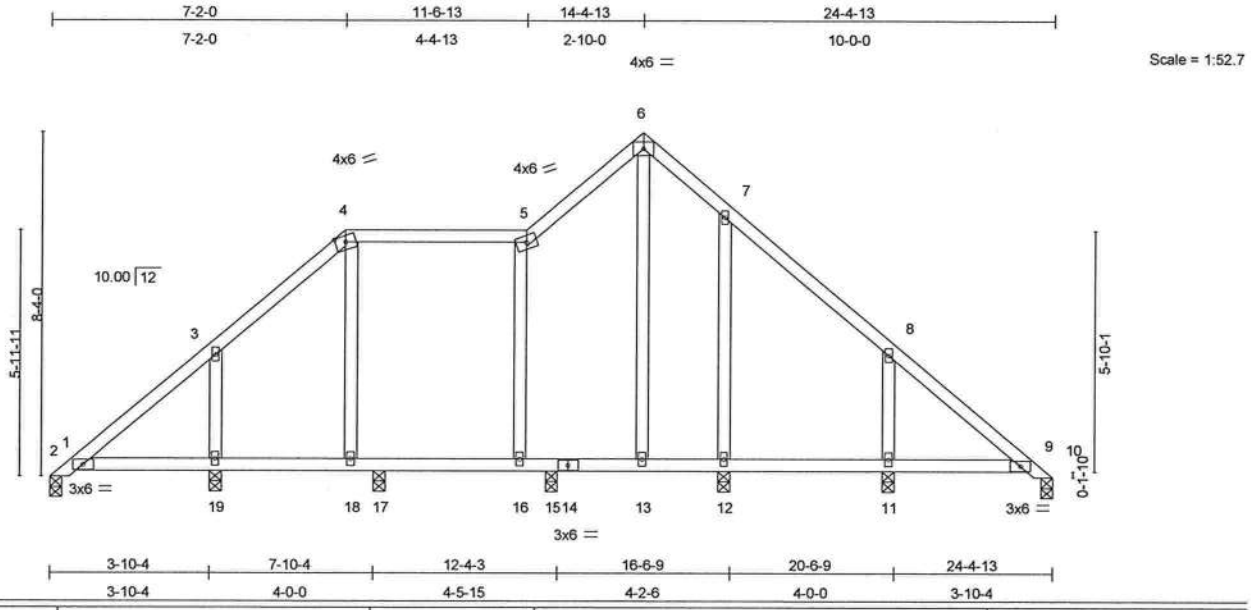
LOAD CASE(S) Standard

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

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME
SEAL TRUSSES	PB2A	VALLEY	1	1	J1922694
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 03 16:39:56 2008 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	0.13	Vert(LL)	-0.01	16-17	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.17	Vert(TL)	-0.01	16-17	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.13	Horz(TL)	0.01	10	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 124 lb	

LUMBER

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

BRACING

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

REACTIONS (lb/size) 1=101/0-3-8, 10=102/0-3-8, 11=286/0-3-8, 12=242/0-3-8, 19=281/0-3-8, 17=255/0-3-8, 15=278/0-3-8
Max Horz 1=228(load case 5)
Max Uplift 1=-23(load case 4), 11=-161(load case 7), 12=-93(load case 7), 19=-162(load case 6), 17=-120(load case 6), 15=-57(load case 6)
Max Grav 1=119(load case 5), 10=102(load case 1), 11=288(load case 11), 12=242(load case 1), 19=281(load case 1), 17=259(load case 10), 15=278(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=-254/202, 2-3=-238/64, 3-4=-96/53, 4-5=-38/21, 5-6=-72/73, 6-7=-61/91, 7-8=-97/58, 8-9=-247/66, 9-10=-59/4
BOT CHORD	2-19=-37/253, 18-19=-37/253, 17-18=-34/259, 16-17=-34/259, 15-16=-36/254, 14-15=-36/254, 13-14=-36/254, 12-13=-36/254, 11-12=-36/254, 9-11=-36/254
WEBS	8-11=-227/263, 7-12=-186/185, 3-19=-188/215, 4-18=-203/193, 5-16=-227/169, 6-13=-70/11

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

JOINT STRESS INDEX

2 = 0.36, 3 = 0.33, 4 = 0.39, 5 = 0.68, 6 = 0.30, 7 = 0.33, 8 = 0.33, 9 = 0.29, 11 = 0.33, 12 = 0.33, 13 = 0.33, 14 = 0.23, 16 = 0.33, 18 = 0.33 and 19 = 0.33

January 9,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME
					J1922694
SEAL TRUSSES	PB2A	VALLEY	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 plates are 2x4 MT20 unless otherwise indicated.
6) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
7) Bearing at joint(s) 1, 10 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 23 lb uplift at joint 1, 161 lb uplift at joint 11, 93 lb uplift at joint 12, 162 lb uplift at joint 19, 120 lb uplift at joint 17 and 57 lb uplift at joint 15.
9) SEE MiTek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS

LOAD CASE(S) Standard

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

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME
SEAL TRUSSES	PB2B	GABLE	1	1	J1922695 Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 03 16:39:57 2008 Page 1

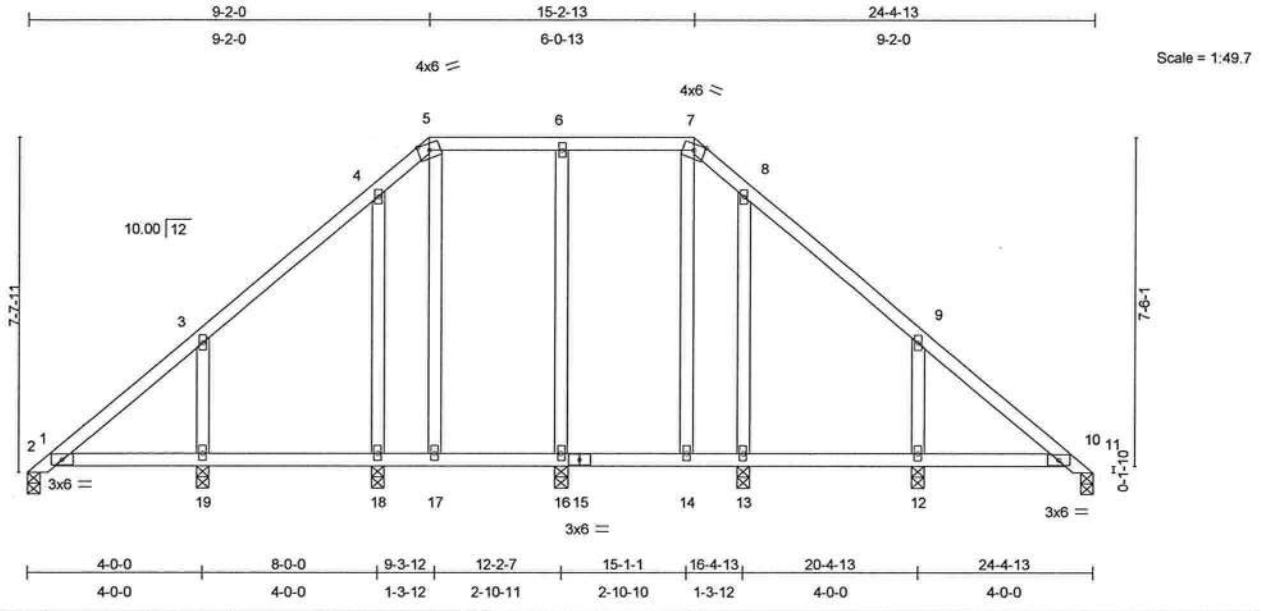


Plate Offsets (X,Y): [3:0-0-0,0-0-0], [4:0-0-0,0-0-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.12	Vert(LL)	-0.01	2-19	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.10	Vert(TL)	-0.01	2-19	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.19	Horz(TL)	0.01	11	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 135 lb	

LUMBER

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

BRACING

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

REACTIONS (lb/size) 1=101/0-3-8, 11=101/0-3-8, 16=277/0-3-8, 12=284/0-3-8, 13=248/0-3-8, 19=284/0-3-8, 18=248/0-3-8
Max Horz 1=-209(load case 4)
Max Uplift 1=-70(load case 4), 11=-1(load case 5), 16=-91(load case 5), 12=-168(load case 7), 13=-76(load case 7), 19=-174(load case 6), 18=-95(load case 5)
Max Grav 1=111(load case 10), 11=111(load case 11), 16=277(load case 1), 12=288(load case 11), 13=248(load case 1), 19=288(load case 10), 18=248(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=-229/215, 2-3=-182/144, 3-4=-97/133, 4-5=-77/164, 5-6=-19/138, 6-7=-19/138, 7-8=-77/164, 8-9=-97/60, 9-10=-166/67, 10-11=-64/5
BOT CHORD	2-19=-36/191, 18-19=-36/191, 17-18=-36/191, 16-17=-36/191, 15-16=-36/191, 14-15=-36/191, 13-14=-37/191, 12-13=-37/191, 10-12=-37/191
WEBS	5-17=-34/15, 7-14=-34/22, 6-16=-209/103, 9-12=-227/264, 8-13=-188/178, 3-19=-227/264, 4-18=-188/178

Julius Lee
Truss Design Engineer
Florida PE. No. 34183
1109 Coastal Bay Blvd
Boynton Beach, FL 33435

JOINT STRESS INDEX

2 = 0.31, 3 = 0.33, 4 = 0.33, 5 = 0.24, 6 = 0.33, 7 = 0.24, 8 = 0.33, 9 = 0.33, 10 = 0.31, 12 = 0.33, 13 = 0.33, 14 = 0.33, 15 = 0.15, 16 = 0.33, 17 = 0.33, 18 = 0.33 and 19 = 0.33

January 9,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME J1922695
SEAL TRUSSES	PB2B	GABLE	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 plates are 2x4 MT20 unless otherwise indicated.
6) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
7) Bearing at joint(s) 1, 11 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 70 lb uplift at joint 1, 1 lb uplift at joint 11, 91 lb uplift at joint 16, 168 lb uplift at joint 12, 76 lb uplift at joint 13, 174 lb uplift at joint 19 and 95 lb uplift at joint 18.
9) SEE MiTek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS

LOAD CASE(S) Standard

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

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME J1922696
SEAL TRUSSES	PB2C	GABLE	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 03 16:39:58 2008 Page 1

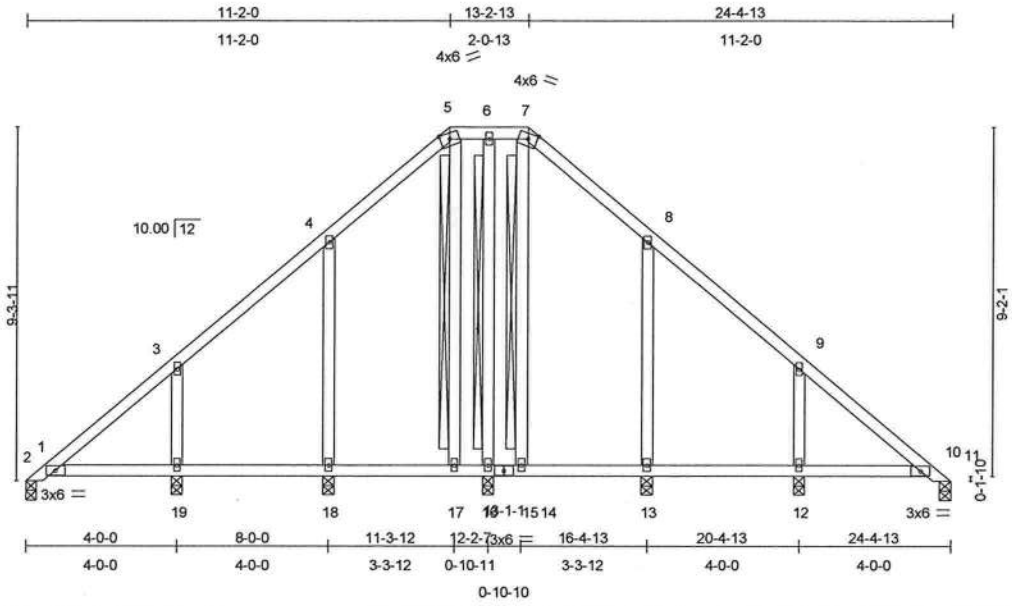


Plate Offsets (X,Y): [3:0-0-0,0-0-0], [4:0-0-0,0-0-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.11	Vert(LL)	-0.01	2-19	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.13	Vert(TL)	-0.01	2-19	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.14	Horz(TL)	0.01	11	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 145 lb	

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.

BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

WEBS T-Brace: 2 X 4 SYP No.3 - 5-17, 7-14, 6-16

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) 1=91/0-3-8, 11=91/0-3-8, 16=298/0-3-8, 12=282/0-3-8, 13=251/0-3-8, 19=282/0-3-8, 18=251/0-3-8

Max Horz 1=-256(load case 4)

Max Uplift 1=-95(load case 4), 16=-30(load case 5), 12=-159(load case 7), 13=-149(load case 7), 19=-168(load case 6), 18=-150(load case 6)

Max Grav 1=141(load case 5), 11=95(load case 11), 16=298(load case 1), 12=282(load case 1), 13=259(load case 11), 19=282(load case 1), 18=259(load case 10)

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

January 9,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME J1922696
SEAL TRUSSES	PB2C	GABLE	1	1	Job Reference (optional)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-289/267, 2-3=-242/182, 3-4=-128/171, 4-5=-62/232, 5-6=0/226, 6-7=0/226, 7-8=-62/232, 8-9=-66/80, 9-10=-147/85, 10-11=-55/4

BOT CHORD 2-19=-36/177, 18-19=-36/177, 17-18=-36/177, 16-17=-35/177, 15-16=-35/177, 14-15=-35/177, 13-14=-35/177, 12-13=-35/177, 10-12=-35/177

WEBS 5-17=-84/46, 7-14=-84/0, 6-16=-100/18, 9-12=-223/257, 8-13=-210/243, 3-19=-223/257, 4-18=-210/243

JOINT STRESS INDEX

2 = 0.28, 3 = 0.33, 4 = 0.33, 5 = 0.24, 6 = 0.33, 7 = 0.24, 8 = 0.33, 9 = 0.33, 10 = 0.28, 12 = 0.33, 13 = 0.33, 14 = 0.33, 15 = 0.15, 16 = 0.33, 17 = 0.33, 18 = 0.33 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) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
7) Bearing at joint(s) 1, 11 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 95 lb uplift at joint 1, 30 lb uplift at joint 16, 159 lb uplift at joint 12, 149 lb uplift at joint 13, 168 lb uplift at joint 19 and 150 lb uplift at joint 18.
9) SEE MiTek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS

LOAD CASE(S) Standard

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

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME J1922697
SEAL TRUSSES	PB2D	GABLE	6	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 03 16:39:59 2008 Page 1

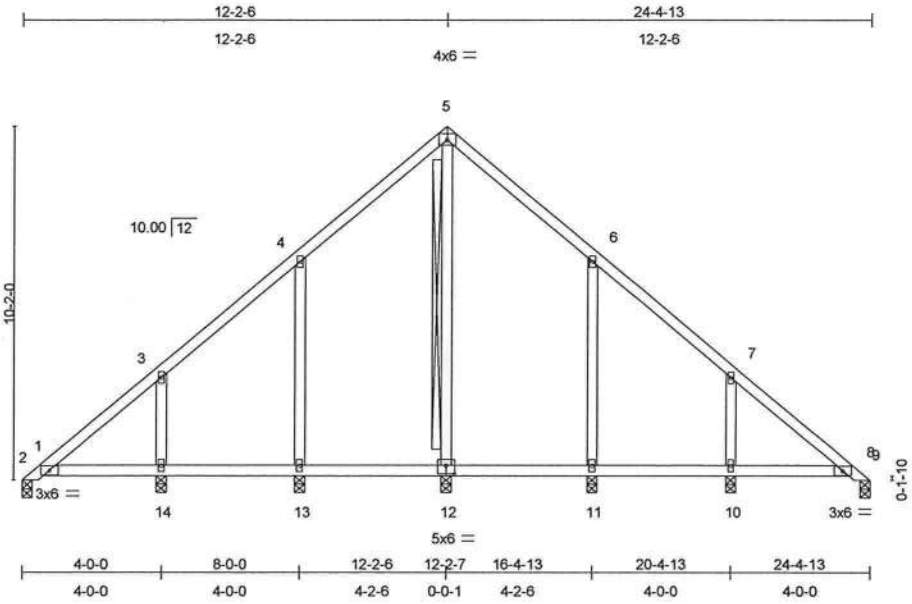


Plate Offsets (X,Y): [3:0-0-0,0-0-0], [4:0-0-0,0-0-0], [12:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.13	Vert(LL)	-0.01	2-14	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.09	Vert(TL)	-0.01	2-14	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.16	Horz(TL)	0.01	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 121 lb	

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	T-Brace: 2 X 4 SYP No.3 - 5-12 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) 1=90/0-3-8, 9=90/0-3-8, 12=293/0-3-8, 10=281/0-3-8, 11=256/0-3-8, 14=281/0-3-8, 13=256/0-3-8
Max Horz 1=-279(load case 4)
Max Uplift 1=-102(load case 4), 9=-2(load case 5), 10=-153(load case 7), 11=-169(load case 7), 14=-163(load case 6), 13=-167(load case 6)
Max Grav 1=158(load case 5), 9=91(load case 11), 12=293(load case 1), 10=281(load case 1), 11=267(load case 11), 14=281(load case 1), 13=267(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=-318/289, 2-3=-268/188, 3-4=-157/178, 4-5=-65/226, 5-6=-65/226, 6-7=-55/84, 7-8=-168/86, 8-9=-52/5
BOT CHORD	2-14=-39/195, 13-14=-39/195, 12-13=-39/195, 11-12=-39/195, 10-11=-39/195, 8-10=-39/195
WEBS	5-12=-248/12, 7-10=-218/250, 6-11=-232/267, 3-14=-219/250, 4-13=-232/267

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

January 9,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME
					J1922697
SEAL TRUSSES	PB2D	GABLE	6	1	Job Reference (optional)

JOINT STRESS INDEX

2 = 0.29, 3 = 0.33, 4 = 0.33, 5 = 0.30, 6 = 0.33, 7 = 0.33, 8 = 0.29, 10 = 0.33, 11 = 0.33, 12 = 0.19, 13 = 0.33 and 14 = 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 plates are 2x4 MT20 unless otherwise indicated.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Bearing at joint(s) 1, 9 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 102 lb uplift at joint 1, 2 lb uplift at joint 9, 153 lb uplift at joint 10, 169 lb uplift at joint 11, 163 lb uplift at joint 14 and 167 lb uplift at joint 13.
8) SEE MiTek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS

LOAD CASE(S) Standard

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

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME J1922698
SEAL TRUSSES	PB2E	GABLE	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 03 16:40:00 2008 Page 1

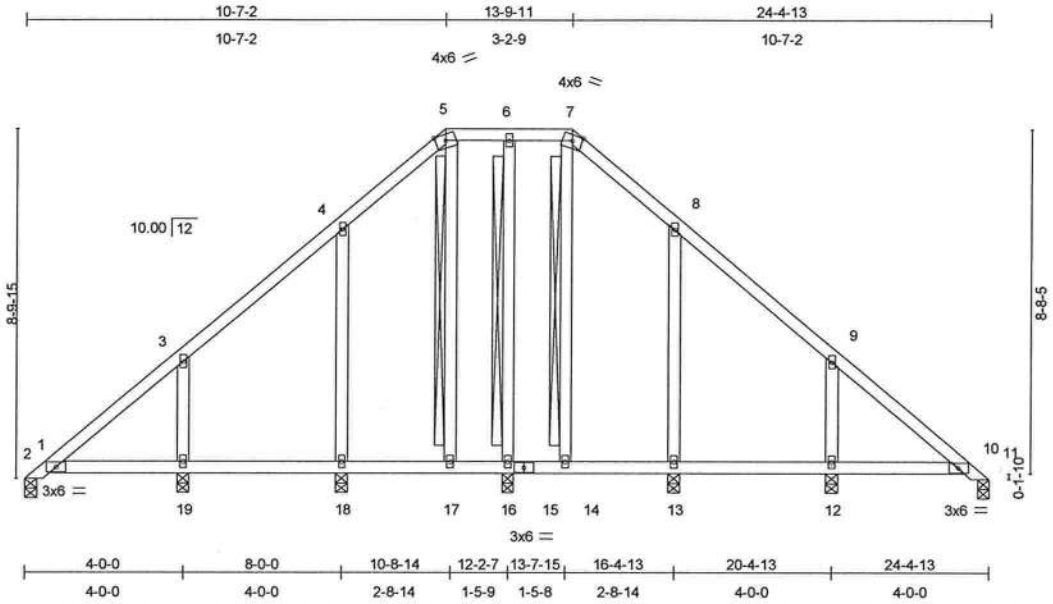


Plate Offsets (X,Y): [3:0-0-0,0-0-0], [4:0-0-0,0-0-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.12	Vert(LL)	-0.01	2-19	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.10	Vert(TL)	-0.01	2-19	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.14	Horz(TL)	0.01	11	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 142 lb	

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

WEBS T-Brace: 2 X 4 SYP No.3 - 5-17, 7-14, 6-16

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) 1=106/0-3-8, 11=106/0-3-8, 16=268/0-3-8, 12=286/0-3-8, 13=248/0-3-8, 19=286/0-3-8, 18=248/0-3-8

Max Horz 1=-242(load case 4)

Max Uplift 1=-80(load case 4), 16=-49(load case 5), 12=-161(load case 7), 13=-131(load case 7), 19=-170(load case 6), 18=-135(load case 6)

Max Grav 1=130(load case 5), 11=108(load case 11), 16=268(load case 1), 12=286(load case 1), 13=253(load case 11), 19=286(load case 1), 18=253(load case 10)

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

January 9,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME
					J1922698
SEAL TRUSSES	PB2E	GABLE	1	1	Job Reference (optional)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-272/247, 2-3=-226/158, 3-4=-110/146, 4-5=-81/201, 5-6=-14/191, 6-7=-14/191, 7-8=-81/201, 8-9=-90/52, 9-10=-165/59, 10-11=-62/4

BOT CHORD 2-19=-36/190, 18-19=-36/190, 17-18=-36/190, 16-17=-35/190, 15-16=-35/190, 14-15=-35/190, 13-14=-35/190, 12-13=-35/190, 10-12=-35/190

WEBS 5-17=-51/31, 7-14=-51/7, 6-16=-143/49, 9-12=-225/261, 8-13=-202/224, 3-19=-225/261, 4-18=-202/224

JOINT STRESS INDEX

2 = 0.30, 3 = 0.33, 4 = 0.33, 5 = 0.24, 6 = 0.33, 7 = 0.24, 8 = 0.33, 9 = 0.33, 10 = 0.30, 12 = 0.33, 13 = 0.33, 14 = 0.33, 15 = 0.15, 16 = 0.33, 17 = 0.33, 18 = 0.33 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) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
7) Bearing at joint(s) 1, 11 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 80 lb uplift at joint 1, 49 lb uplift at joint 16, 161 lb uplift at joint 12, 131 lb uplift at joint 13, 170 lb uplift at joint 19 and 135 lb uplift at joint 18.
9) SEE MiTek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS

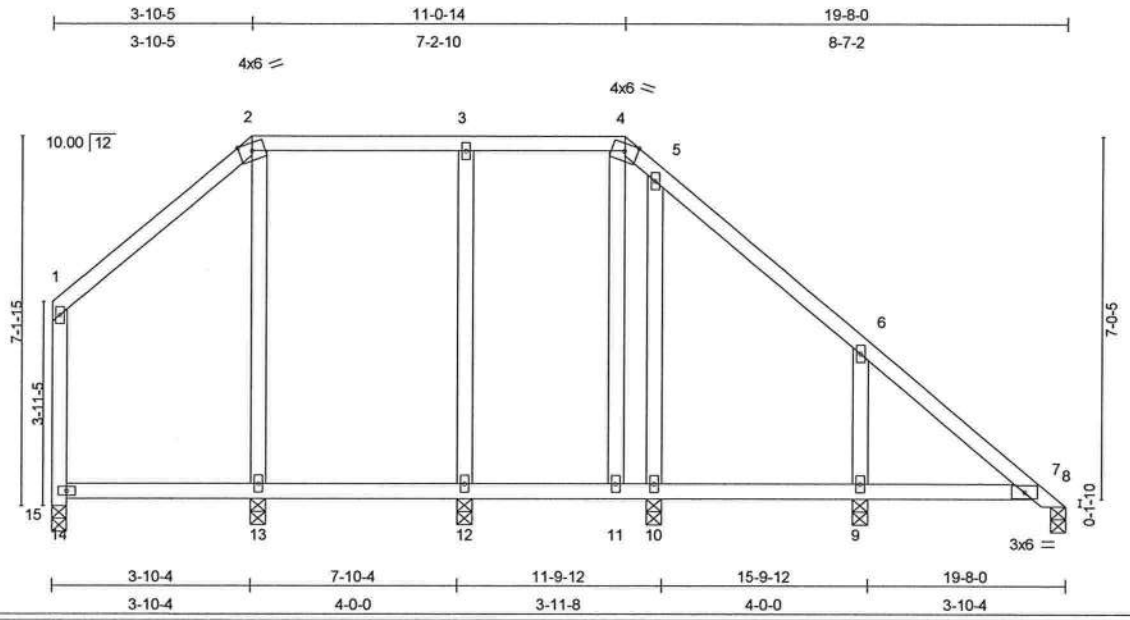
LOAD CASE(S) Standard

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

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME
SEAL TRUSSES	PB3	VALLEY	1	1	J1922699
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Jan 09 13:52:44 2008 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	0.17	Vert(LL)	-0.01	7-9	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.10	Vert(TL)	-0.01	7-9	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.18	Horz(TL)	0.01	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 110 lb	

LUMBER

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

BRACING

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

REACTIONS (lb/size) 9=289/0-3-8, 12=250/0-3-8, 13=256/0-3-8, 10=226/0-3-8, 15=118/0-3-8, 8=103/0-3-8
Max Horz 15=-191(load case 4)
Max Uplift 9=-164(load case 7), 12=-107(load case 4), 13=-46(load case 5), 10=-119(load case 4), 15=-80(load case 6), 8=-45(load case 5)
Max Grav 9=289(load case 1), 12=262(load case 11), 13=256(load case 1), 10=231(load case 11), 15=121(load case 10), 8=103(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	14-15=-121/116, 1-14=-100/114, 1-2=-75/98, 2-3=-16/140, 3-4=-16/140, 4-5=-61/175, 5-6=-106/130, 6-7=-213/135, 7-8=-59/31
BOT CHORD	13-14=-100/202, 12-13=-98/203, 11-12=-98/203, 10-11=-98/202, 9-10=-98/202, 7-9=-98/202
WEBS	6-9=-227/265, 3-12=-220/123, 2-13=-217/110, 4-11=-41/16, 5-10=-183/155

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

JOINT STRESS INDEX

1 = 0.43, 2 = 0.38, 3 = 0.34, 4 = 0.25, 5 = 0.34, 6 = 0.34, 7 = 0.30, 9 = 0.34, 10 = 0.34, 11 = 0.34, 12 = 0.34, 13 = 0.34 and 14 = 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 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.

January 9,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME
					J1922699
SEAL TRUSSES	PB3	VALLEY	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 plates are 2x4 MT20 unless otherwise indicated.
6) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
7) Bearing at joint(s) 15, 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 164 lb uplift at joint 9, 107 lb uplift at joint 12, 46 lb uplift at joint 13, 119 lb uplift at joint 10, 80 lb uplift at joint 15 and 45 lb uplift at joint 8.
9) SEE MiTek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS

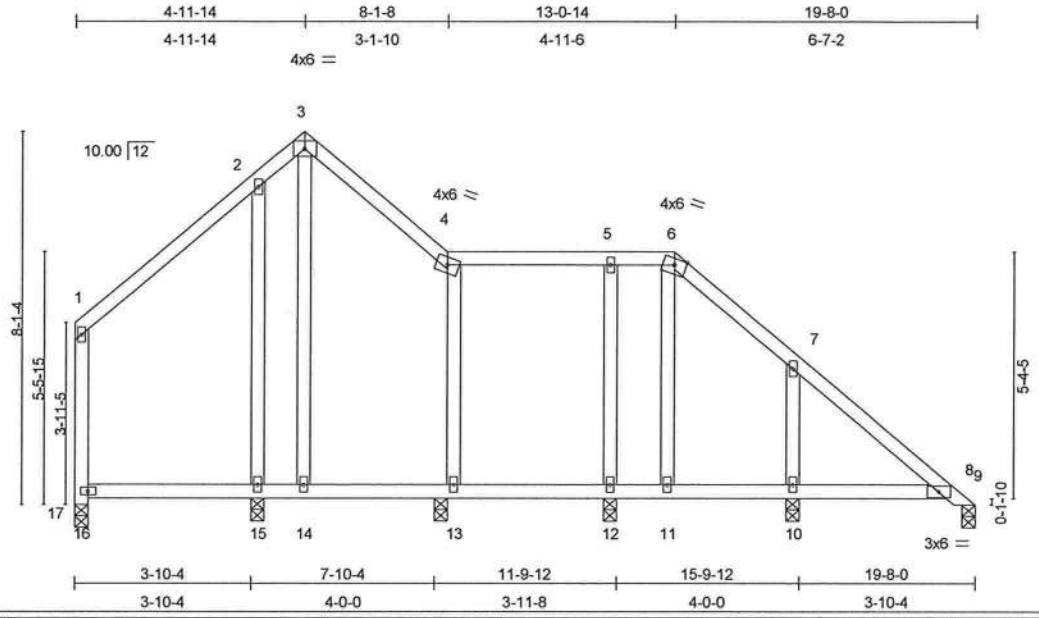
LOAD CASE(S) Standard

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

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME
SEAL TRUSSES	PB3A	VALLEY	1	1	J1922700
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Jan 09 13:32:42 2008 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	0.18	Vert(LL)	-0.01	8-10	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.11	Vert(TL)	-0.01	8-10	>999	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.15	Horz(TL)	0.01	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 116 lb	

LUMBER

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

BRACING

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

REACTIONS (lb/size) 10=285/0-3-8, 15=246/0-3-8, 13=252/0-3-8, 12=224/0-3-8, 17=129/0-3-8, 9=105/0-3-8
Max Horz 17=-217(load case 4)
Max Uplift 10=-149(load case 7), 13=-77(load case 7), 12=-103(load case 4), 17=-96(load case 6), 9=-65(load case 5)
Max Grav 10=286(load case 11), 15=246(load case 1), 13=253(load case 11), 12=228(load case 11), 17=135(load case 10), 9=117(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	16-17=-135/144, 1-16=-114/133, 1-2=-85/112, 2-3=-70/192, 3-4=-84/163, 4-5=-81/114, 5-6=-81/114, 6-7=-135/143, 7-8=-235/162, 8-9=-69/43
BOT CHORD	15-16=-123/223, 14-15=-123/223, 13-14=-123/223, 12-13=-120/224, 11-12=-120/224, 10-11=-119/222, 8-10=-119/222
WEBS	7-10=-205/217, 2-15=-187/117, 3-14=-126/52, 4-13=-211/212, 6-11=-58/74, 5-12=-169/107

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

JOINT STRESS INDEX

1 = 0.53, 2 = 0.34, 3 = 0.31, 4 = 0.35, 5 = 0.34, 6 = 0.25, 7 = 0.34, 8 = 0.35, 10 = 0.34, 11 = 0.34, 12 = 0.34, 13 = 0.34, 14 = 0.34, 15 = 0.34 and 16 = 0.42

NOTES

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

January 9,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME J1922700
SEAL TRUSSES	PB3A	VALLEY	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 plates are 2x4 MT20 unless otherwise indicated.
6) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
7) Bearing at joint(s) 17, 9 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 149 lb uplift at joint 10, 77 lb uplift at joint 13, 103 lb uplift at joint 12, 96 lb uplift at joint 17 and 65 lb uplift at joint 9.
9) SEE MiTek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS

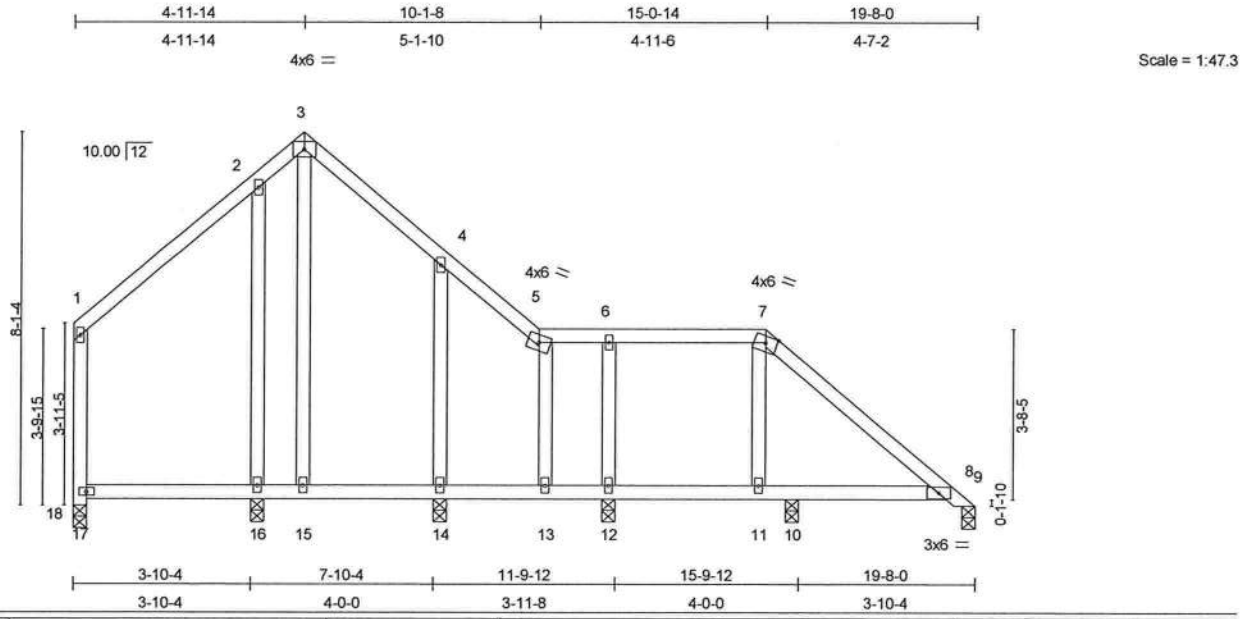
LOAD CASE(S) Standard

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

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME
SEAL TRUSSES	PB3B	VALLEY	1	1	J1922701
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Jan 09 13:33:24 2008 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	0.18	Vert(LL)	-0.01	11-12	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.19	Vert(TL)	-0.01	8-10	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.15	Horz(TL)	0.01	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 112 lb	

LUMBER

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

BRACING

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

REACTIONS (lb/size) 16=240/0-3-8, 14=235/0-3-8, 12=262/0-3-8, 18=131/0-3-8, 9=115/0-3-8, 10=259/0-3-8
Max Horz 18=-217(load case 4)
Max Uplift 14=-89(load case 7), 12=-143(load case 5), 18=-94(load case 6), 9=-59(load case 5), 10=-162(load case 4)
Max Grav 16=240(load case 1), 14=242(load case 11), 12=262(load case 1), 18=135(load case 10), 9=115(load case 1), 10=266(load case 11)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 17-18=-135/145, 1-17=-113/133, 1-2=-84/113, 2-3=-67/193, 3-4=-79/165, 4-5=-130/152, 5-6=-120/115, 6-7=-120/116, 7-8=-208/152, 8-9=-67/40

BOT CHORD 16-17=-122/220, 15-16=-122/220, 14-15=-122/220, 13-14=-122/220, 12-13=-120/219, 11-12=-120/219, 10-11=-117/211, 8-10=-117/211

WEBS 2-16=-182/117, 4-14=-177/165, 3-15=-121/50, 5-13=-54/57, 7-11=-204/198, 6-12=-159/130

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

JOINT STRESS INDEX

1 = 0.54, 2 = 0.34, 3 = 0.31, 4 = 0.34, 5 = 0.30, 6 = 0.34, 7 = 0.29, 8 = 0.59, 11 = 0.34, 12 = 0.34, 13 = 0.34, 14 = 0.34, 15 = 0.34, 16 = 0.34 and 17 = 0.47

NOTES

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

January 9,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME
					J1922701
SEAL TRUSSES	PB3B	VALLEY	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 plates are 2x4 MT20 unless otherwise indicated.
6) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
7) Bearing at joint(s) 18, 9 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 89 lb uplift at joint 14, 143 lb uplift at joint 12, 94 lb uplift at joint 18, 59 lb uplift at joint 9 and 162 lb uplift at joint 10.
9) SEE MiTek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS

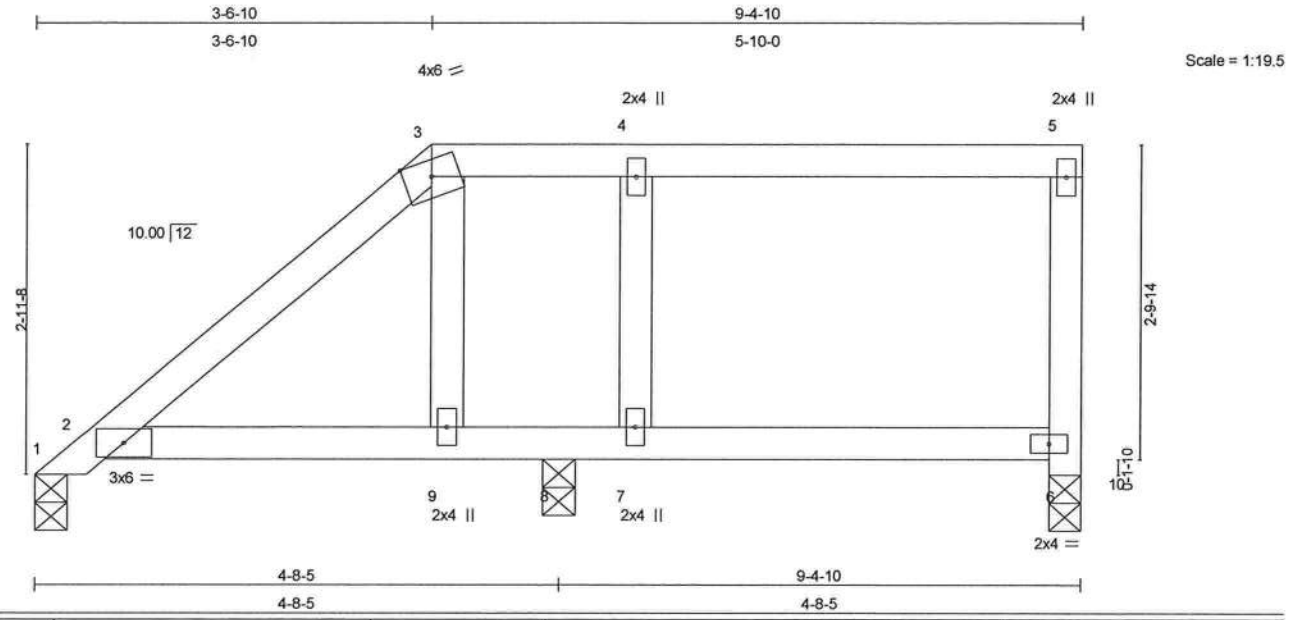
LOAD CASE(S) Standard

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

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME
SEAL TRUSSES	PB4	GABLE	1	1	J1922702 Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Jan 09 13:34:05 2008 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	0.18	Vert(LL)	0.02	2-9	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.21	Vert(TL)	-0.02	2-9	>999	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.05	Horz(TL)	0.01	10	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 39 lb	

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

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

REACTIONS (lb/size) 1=132/0-3-8, 10=131/0-3-8, 8=320/0-3-8
Max Horz 1=92(load case 6)
Max Uplift 10=-61(load case 4), 8=-101(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-101/0, 2-3=-78/26, 3-4=-29/19, 4-5=-29/20, 6-10=-131/93, 5-6=-101/97
BOT CHORD 2-9=-27/35, 8-9=-20/29, 7-8=-20/29, 6-7=-20/29
WEBS 3-9=-99/125, 4-7=-172/181

JOINT STRESS INDEX
2 = 0.32, 3 = 0.15, 4 = 0.10, 5 = 0.47, 6 = 0.42, 7 = 0.10 and 9 = 0.07

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Provide adequate drainage to prevent water ponding.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Bearing at joint(s) 1, 10 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 61 lb uplift at joint 10 and 101 lb uplift at joint 8.

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

January 9,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME J1922702
SEAL TRUSSES	PB4	GABLE	1	1	Job Reference (optional)

NOTES

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

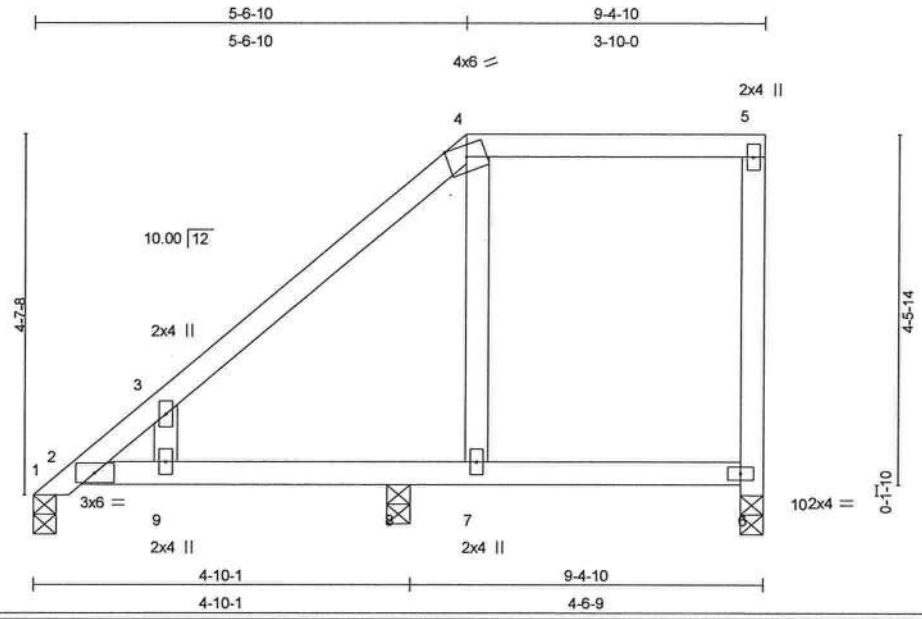
LOAD CASE(S) Standard

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

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME
SEAL TRUSSES	PB4A	MONO HIP PIGGYBACK	1	1	J1922703
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Jan 09 13:34:31 2008 Page 1



Scale = 1:27.9

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.15	Vert(LL)	0.03	9	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.29	Vert(TL)	-0.03	9	>999	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.07	Horz(TL)	-0.01	10	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 42 lb	

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

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

REACTIONS (lb/size) 1=137/0-3-8, 10=135/0-3-8, 8=311/0-3-8
Max Horz 1=146(load case 6)
Max Uplift 10=-59(load case 4), 8=-149(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-199/0, 2-3=-256/25, 3-4=-94/44, 4-5=-20/15, 6-10=-135/102, 5-6=-87/81
BOT CHORD 2-9=-24/26, 8-9=-24/26, 7-8=-24/26, 6-7=-15/19
WEBS 4-7=-212/260, 3-9=-171/240

JOINT STRESS INDEX
2 = 0.09, 3 = 0.12, 4 = 0.49, 5 = 0.40, 6 = 0.48, 7 = 0.15 and 9 = 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 and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Provide adequate drainage to prevent water ponding.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Bearing at joint(s) 1, 10 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 59 lb uplift at joint 10 and 149 lb uplift at joint 8.

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

January 9,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME
SEAL TRUSSES	PB4A	MONO HIP PIGGYBACK	1	1	J1922703 Job Reference (optional)

NOTES

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

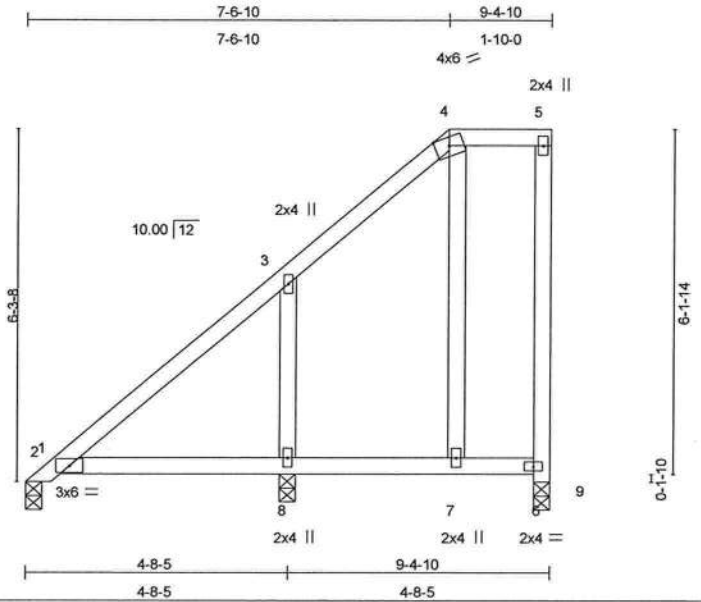
LOAD CASE(S) Standard

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

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME
SEAL TRUSSES	PB4B	GABLE	1	1	J1922704
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 03 16:40:05 2008 Page 1



Scale = 1:38.8

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.17	Vert(LL)	0.02	2-8	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.16	Vert(TL)	-0.02	2-8	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.08	Horz(TL)	-0.01	9	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
OTHERS	2 X 4 SYP No.3

BRACING

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

REACTIONS (lb/size) 1=121/0-3-8, 8=342/0-3-8, 9=120/0-3-8
Max Horz 1=199(load case 6)
Max Uplift 8=-202(load case 6), 9=-38(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=-312/0, 2-3=-268/70, 3-4=-87/5, 4-5=-9/7, 6-9=-120/103, 5-6=-68/62
BOT CHORD	2-8=-10/10, 7-8=-10/10, 6-7=-8/8
WEBS	4-7=-55/86, 3-8=-243/311

JOINT STRESS INDEX

2 = 0.48, 3 = 0.15, 4 = 0.06, 5 = 0.24, 6 = 0.31, 7 = 0.05 and 8 = 0.17

NOTES

1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Provide adequate drainage to prevent water ponding.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1100 Coastal Bay Blvd
Boynton Beach, FL 33435

January 9,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME J1922704
SEAL TRUSSES	PB4B	GABLE	1	1	Job Reference (optional)

NOTES

5) Bearing at joint(s) 1, 9 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 202 lb uplift at joint 8 and 38 lb uplift at joint 9.
7) SEE MiTek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS

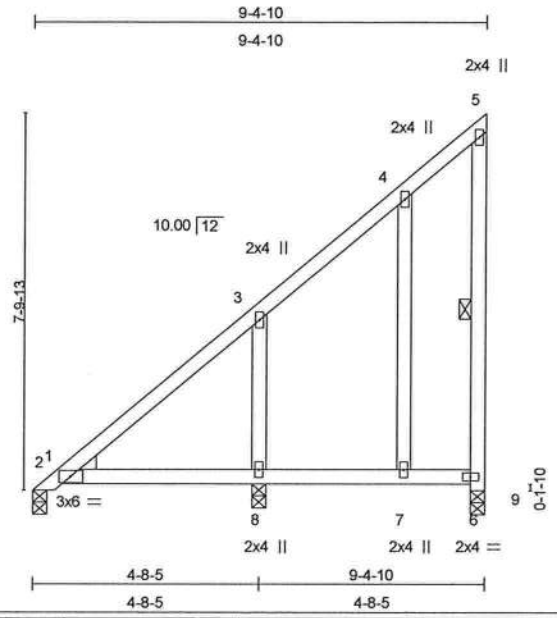
LOAD CASE(S) Standard

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

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME
SEAL TRUSSES	PB4C	GABLE	1	1	J1922705
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Jan 09 13:35:11 2008 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	0.17	Vert(LL)	0.02	2-8	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.15	Vert(TL)	-0.02	2-8	>999	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.08	Horz(TL)	-0.01	9	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
OTHERS 2 X 4 SYP No.3
WEDGE
Left: 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 5-9

REACTIONS (lb/size) 1=117/0-3-8, 8=349/0-3-8, 9=116/0-3-8
Max Horz 1=243(load case 6)
Max Uplift 8=-216(load case 6), 9=-74(load case 6)
Max Grav 1=130(load case 6), 8=349(load case 1), 9=116(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-398/0, 2-3=-357/75, 3-4=-130/9, 4-5=-49/34, 6-9=-116/123, 5-6=-61/73
BOT CHORD 2-8=-7/6, 7-8=-7/6, 6-7=-7/6
WEBS 3-8=-247/318, 4-7=-61/101

JOINT STRESS INDEX
2 = 0.48, 3 = 0.16, 4 = 0.05, 5 = 0.31, 6 = 0.30, 7 = 0.06 and 8 = 0.18

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

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1309 Coastal Bay Blvd
Boynton Beach, FL 33435

January 9,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME J1922705
SEAL TRUSSES	PB4C	GABLE	1	1	Job Reference (optional)

NOTES

4) Bearing at joint(s) 1, 9 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 216 lb uplift at joint 8 and 74 lb uplift at joint 9.
6) SEE MiTek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS

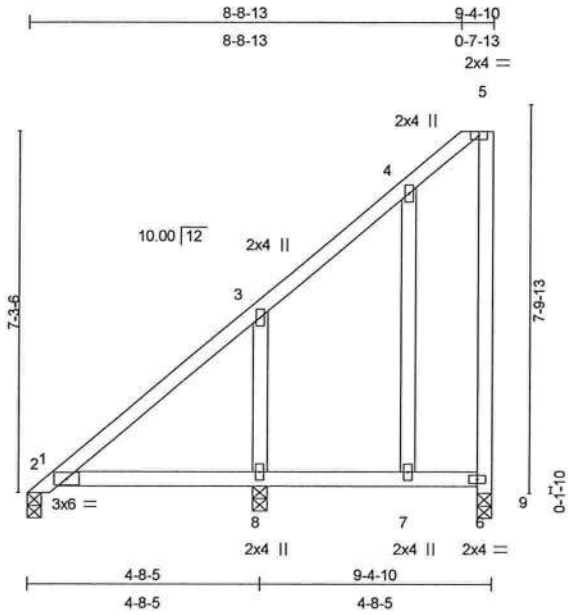
LOAD CASE(S) Standard

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

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME
SEAL TRUSSES	PB4D	GABLE	1	1	J1922706
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Jan 09 13:35:48 2008 Page 1



Scale = 1:43.8

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.17	Vert(LL)	0.02	2-8	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.15	Vert(TL)	-0.02	2-8	>999	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.08	Horz(TL)	-0.01	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 54 lb	

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

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

REACTIONS (lb/size) 1=118/0-3-8, 8=348/0-3-8, 9=117/0-3-8
Max Horz 1=236(load case 6)
Max Uplift 8=-216(load case 6), 9=-68(load case 6)
Max Grav 1=123(load case 6), 8=348(load case 1), 9=117(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-384/0, 2-3=-342/74, 3-4=-116/9, 4-5=-37/30, 6-9=-117/114, 5-6=-62/65
BOT CHORD 2-8=-7/7, 7-8=-7/7, 6-7=-7/7
WEBS 3-8=-247/318, 4-7=-60/99

JOINT STRESS INDEX
2 = 0.48, 3 = 0.16, 4 = 0.05, 5 = 0.57, 6 = 0.30, 7 = 0.06 and 8 = 0.18

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) Bearing at joint(s) 1, 9 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.

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

January 9,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME
SEAL TRUSSES	PB4D	GABLE	1	1	J1922706 Job Reference (optional)

NOTES

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 216 lb uplift at joint 8 and 68 lb uplift at joint 9.
6) SEE MiTek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS

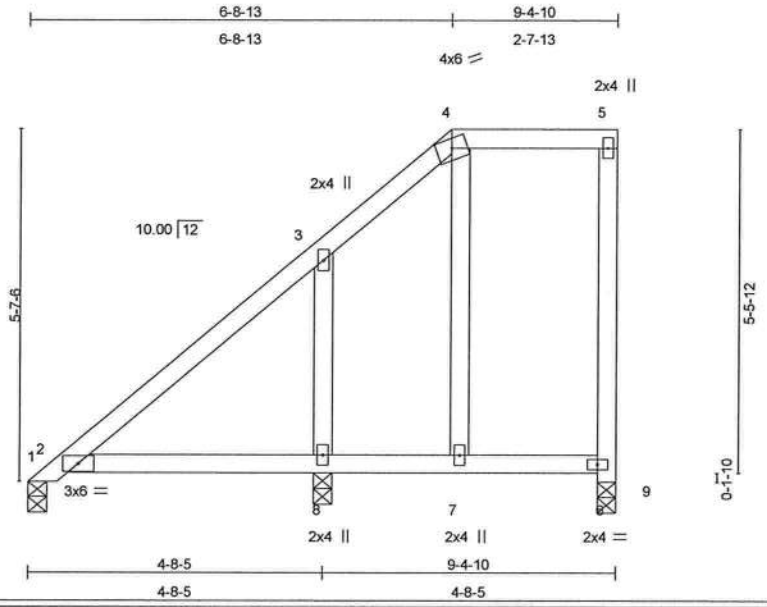
LOAD CASE(S) Standard

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

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME
SEAL TRUSSES	PB4E	GABLE	1	1	J1922707
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 03 16:40:06 2008 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	0.16	Vert(LL)	0.02	2-8	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.16	Vert(TL)	-0.02	2-8	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.07	Horz(TL)	0.01	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 50 lb	

LUMBER

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

BRACING

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

REACTIONS (lb/size) 1=123/0-3-8, 8=339/0-3-8, 9=121/0-3-8
Max Horz 1=177(load case 6)
Max Uplift 8=-190(load case 6), 9=-44(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=-269/0, 2-3=-224/67, 3-4=-83/7, 4-5=-10/7, 6-9=-121/95, 5-6=-84/80
BOT CHORD	2-8=-10/11, 7-8=-10/11, 6-7=-8/10
WEBS	4-7=-47/70, 3-8=-232/292

JOINT STRESS INDEX

2 = 0.50, 3 = 0.14, 4 = 0.06, 5 = 0.28, 6 = 0.28, 7 = 0.04 and 8 = 0.16

NOTES

1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Provide adequate drainage to prevent water ponding.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi

Julius Lee
Truss Design Engineer
Florida PE No. 31897
1109 Coastal Bay Blvd
Boynton Beach, FL 33435

January 9,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME J1922707
SEAL TRUSSES	PB4E	GABLE	1	1	Job Reference (optional)

NOTES

5) Bearing at joint(s) 1, 9 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 190 lb uplift at joint 8 and 44 lb uplift at joint 9.
7) SEE MiTek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS

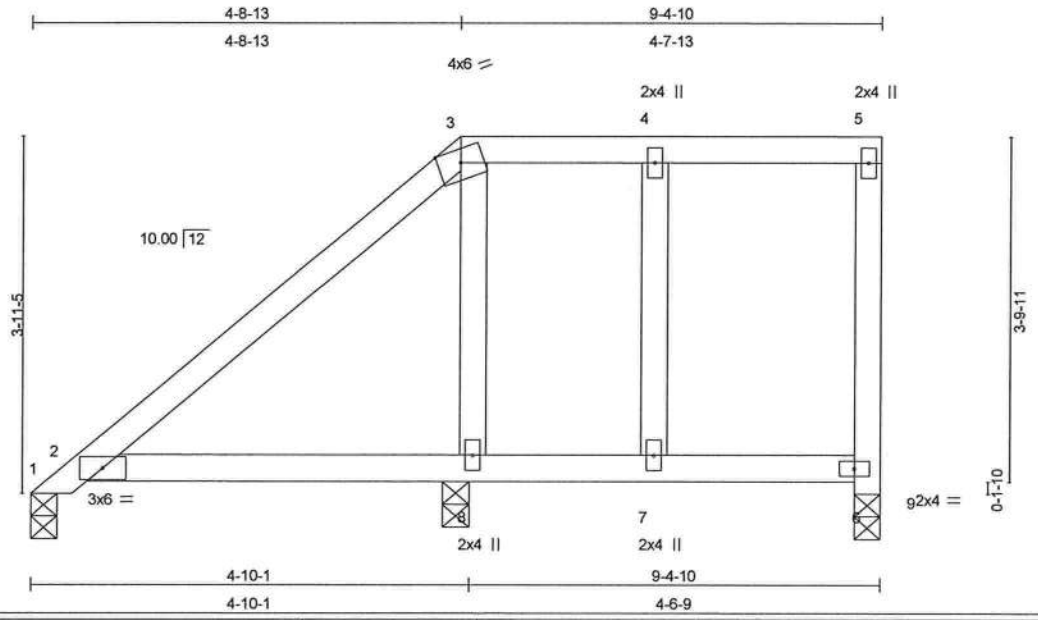
LOAD CASE(S) Standard

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

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME
SEAL TRUSSES	PB4F	MONO HIP PIGGYBACK	1	1	J1922708
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Jan 09 13:36:32 2008 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	0.17	Vert(LL)	0.02	2-8	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.17	Vert(TL)	-0.02	2-8	>999	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.07	Horz(TL)	0.01	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 44 lb	

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

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

REACTIONS (lb/size) 1=132/0-3-8, 8=333/0-3-8, 9=118/0-3-8
Max Horz 1=124(load case 6)
Max Uplift 8=-138(load case 6), 9=-64(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-160/0, 2-3=-108/55, 3-4=-14/12, 4-5=-13/13, 6-9=-118/81, 5-6=-81/73
BOT CHORD 2-8=-18/23, 7-8=-13/13, 6-7=-13/13
WEBS 3-8=-221/263, 4-7=-52/59

JOINT STRESS INDEX
2 = 0.53, 3 = 0.52, 4 = 0.03, 5 = 0.27, 6 = 0.26, 7 = 0.03 and 8 = 0.15

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Provide adequate drainage to prevent water ponding.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Bearing at joint(s) 1, 9 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 138 lb uplift at joint 8 and 64 lb uplift at joint 9.

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1109 Coastal Bay Blvd
Ocean Beach, FL 32435

January 9,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME
SEAL TRUSSES	PB4F	MONO HIP PIGGYBACK	1	1	J1922708 Job Reference (optional)

NOTES

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

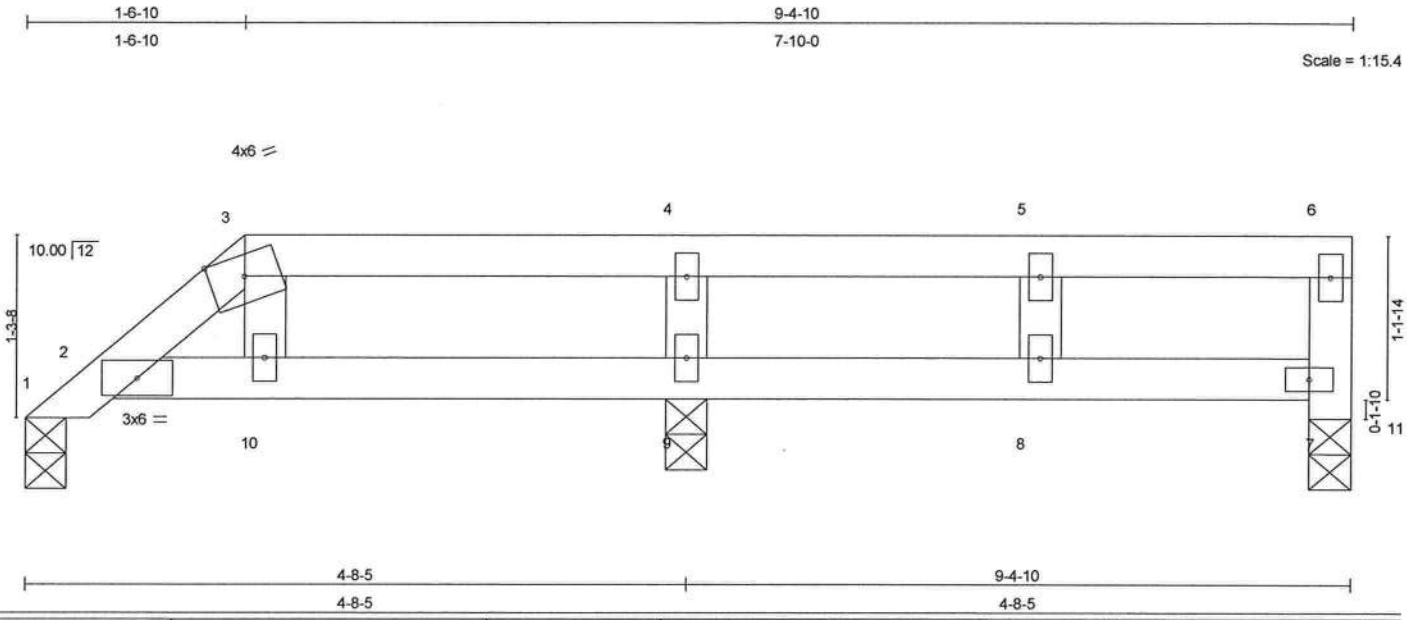
LOAD CASE(S) Standard

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

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME
SEAL TRUSSES	PB4G	GABLE	1	1	J1922709
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Jan 09 13:36:59 2008 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	0.19	Vert(LL)	-0.01	10	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.11	Vert(TL)	-0.01	10	>999	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.05	Horz(TL)	0.01	11	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 31 lb	

LUMBER

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

BRACING

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

REACTIONS (lb/size) 1=143/0-3-8, 9=298/0-3-8, 11=142/0-3-8
Max Horz 1=39(load case 6)
Max Uplift 1=-23(load case 5), 9=-100(load case 4), 11=-52(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=-83/8, 2-3=-156/85, 3-4=-119/92, 4-5=-119/93, 5-6=-119/93, 7-11=-142/107, 6-7=-90/80
BOT CHORD	2-10=-101/121, 9-10=-93/119, 8-9=-93/119, 7-8=-93/119
WEBS	3-10=-15/51, 4-9=-211/201, 5-8=-51/69

JOINT STRESS INDEX

2 = 0.20, 3 = 0.08, 4 = 0.11, 5 = 0.04, 6 = 0.58, 7 = 0.61, 8 = 0.04, 9 = 0.11 and 10 = 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 and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Provide adequate drainage to prevent water ponding.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Bearing at joint(s) 1, 11 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1389 Coastal Bay Blvd
Boynton Beach, FL 33435

January 9,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME
					J1922709
SEAL TRUSSES	PB4G	GABLE	1	1	Job Reference (optional)

NOTES

7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 23 lb uplift at joint 1, 100 lb uplift at joint 9 and 52 lb uplift at joint 11.
8) SEE MiTek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS

LOAD CASE(S) Standard

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

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME
SEAL TRUSSES	PB5	PIGGYBACK 3x6 =	11	1	J1922710
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 03 16:40:08 2008 Page 1

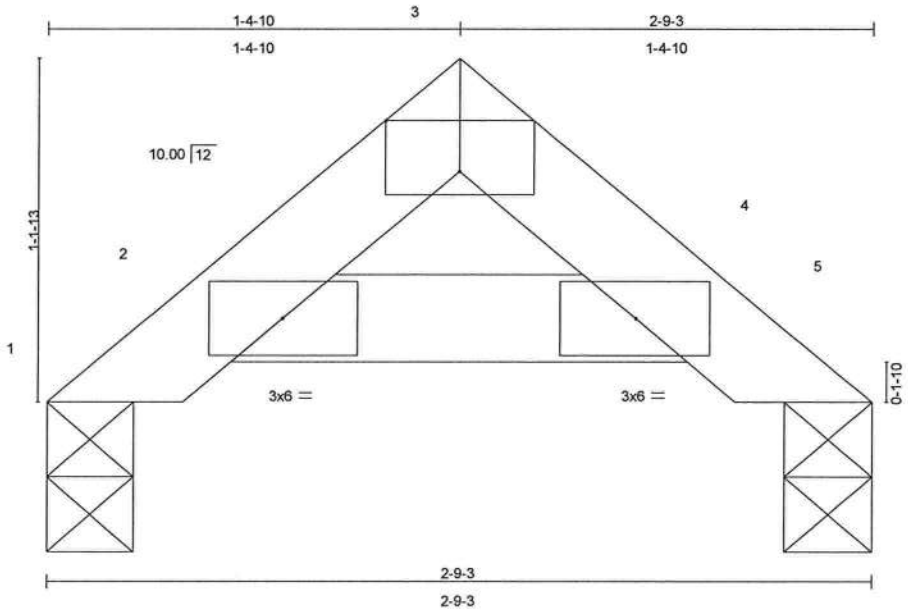


Plate Offsets (X,Y): [3:0-3-0,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.07	Vert(LL)	-0.00	2	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.04	Vert(TL)	-0.00	2	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 8 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 2-9-3 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=88/0-3-8, 5=88/0-3-8
Max Horz 1=-31(load case 4)
Max Uplift 1=-16(load case 6), 5=-16(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-51/35, 2-3=-93/49, 3-4=-93/49, 4-5=-51/35
BOT CHORD 2-4=-13/87

JOINT STRESS INDEX
2 = 0.09, 3 = 0.07 and 4 = 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 and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Bearing at joint(s) 1, 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1309 Coastal Bay Blvd
Boynton Beach, FL 33435

January 9,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME J1922710
SEAL TRUSSES	PB5	PIGGYBACK	11	1	Job Reference (optional)

NOTES

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 16 lb uplift at joint 1 and 16 lb uplift at joint 5.
7) SEE MiTek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS

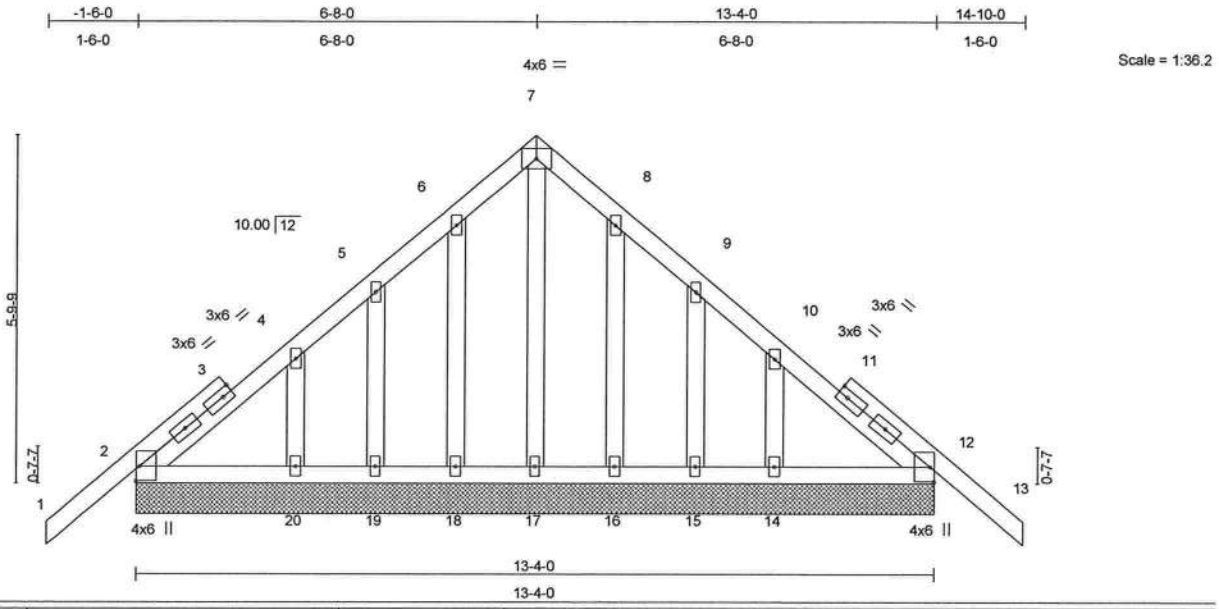
LOAD CASE(S) Standard

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

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME J1922711
SEAL TRUSSES	T01G	GABLE	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 03 16:40:09 2008 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	0.17	Vert(LL)	-0.01	13	n/r	120	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.04	Vert(TL)	-0.01	13	n/r	90		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.06	Horz(TL)	0.00	12	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 92 lb	

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

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

REACTIONS (lb/size) 2=224/13-4-0, 12=224/13-4-0, 17=77/13-4-0, 18=99/13-4-0, 19=88/13-4-0, 20=139/13-4-0, 16=99/13-4-0, 15=88/13-4-0, 14=139/13-4-0
Max Horz 2=-195(load case 4)
Max Uplift 2=-100(load case 6), 12=-123(load case 7), 18=-72(load case 6), 19=-99(load case 6), 20=-97(load case 6), 16=-67(load case 7), 15=-101(load case 7), 14=-98(load case 7)
Max Grav 2=224(load case 1), 12=224(load case 1), 17=120(load case 7), 18=102(load case 10), 19=88(load case 10), 20=139(load case 1), 16=102(load case 11), 15=88(load case 11), 14=139(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/52, 2-3=-150/111, 3-4=-144/119, 4-5=-87/101, 5-6=-45/116, 6-7=-45/149, 7-8=-45/149, 8-9=-45/100, 9-10=-50/37, 10-11=-81/57, 11-12=-87/49, 12-13=0/52
BOT CHORD 2-20=-23/176, 19-20=-23/176, 18-19=-23/176, 17-18=-23/176, 16-17=-23/176, 15-16=-23/176, 14-15=-23/176, 12-14=-23/176
WEBS 7-17=-112/0, 6-18=-87/82, 5-19=-78/102, 4-20=-118/118, 8-16=-87/77, 9-15=-78/103, 10-14=-118/119

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

JOINT STRESS INDEX
2 = 0.51, 3 = 0.00, 3 = 0.16, 3 = 0.16, 4 = 0.07, 5 = 0.05, 6 = 0.05, 7 = 0.08, 8 = 0.05, 9 = 0.05, 10 = 0.07, 11 = 0.00, 11 = 0.16, 11 = 0.16, 12 = 0.51, 14 = 0.07, 15 = 0.06, 16 = 0.05, 17 = 0.03, 18 = 0.05, 19 = 0.06 and 20 = 0.07

January 9,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME J1922711
SEAL TRUSSES	T01G	GABLE	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 gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 1-4-0 oc.
8) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint 2, 123 lb uplift at joint 12, 72 lb uplift at joint 18, 99 lb uplift at joint 19, 97 lb uplift at joint 20, 67 lb uplift at joint 16, 101 lb uplift at joint 15 and 98 lb uplift at joint 14.
10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-7=-64(F=-10), 7-13=-64(F=-10), 2-12=-10

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

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME J1922712
SEAL TRUSSES	T02	PIGGYBACK ATTIC	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 03 16:40:10 2008 Page 1

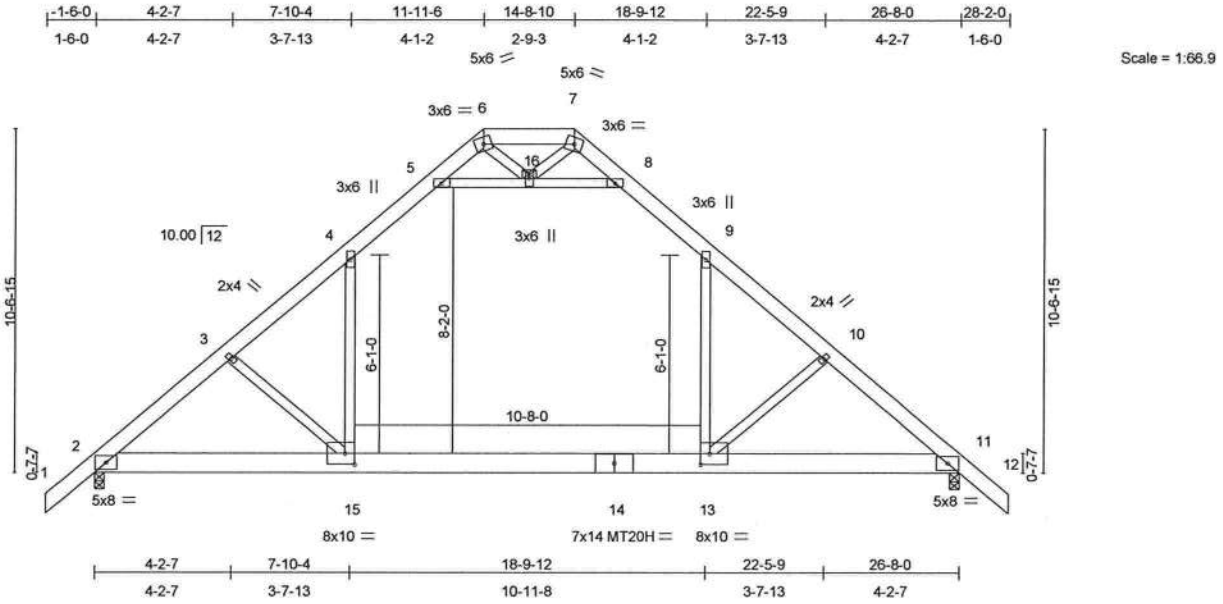


Plate Offsets (X,Y): [13:0-3-8,0-4-0], [15:0-3-8,0-4-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.82	Vert(LL)	-0.34	13-15	>924	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.47	Vert(TL)	-0.58	13-15	>550	240	MT20H	187/143
BCLL	10.0	* Rep Stress Incr	YES	WB	0.38	Horz(TL)	0.03	11	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 218 lb	

LUMBER
TOP CHORD 2 X 6 SYP No.1D
BOT CHORD 2 X 8 SYP No.1D
WEBS 2 X 4 SYP No.3

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

REACTIONS (lb/size) 11=1601/0-3-8, 2=1601/0-3-8
Max Horz 2=276(load case 5)
Max Uplift 11=-71(load case 7), 2=-71(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/53, 2-3=-2310/250, 3-4=-2112/234, 4-5=-1303/297, 5-6=0/488, 7-8=0/488, 8-9=-1303/297, 9-10=-2112/234, 10-11=-2311/250, 11-12=0/53, 6-7=0/699
BOT CHORD 2-15=-29/1711, 14-15=0/1404, 13-14=0/1404, 11-13=-29/1711
WEBS 4-15=-1/1051, 9-13=-1/1051, 5-16=-2151/359, 8-16=-2151/359, 3-15=-440/237, 10-13=-440/237, 6-16=-102/163, 7-16=-102/163

JOINT STRESS INDEX
2 = 0.46, 3 = 0.33, 4 = 0.33, 5 = 0.74, 6 = 0.52, 7 = 0.52, 8 = 0.74, 9 = 0.33, 10 = 0.33, 11 = 0.46, 13 = 0.20, 14 = 0.38, 15 = 0.20 and 16 = 0.40

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

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

January 9,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME J1922712
SEAL TRUSSES	T02	PIGGYBACK ATTIC	2	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 plates are MT20 plates unless otherwise indicated.
6) Ceiling dead load (5.0 psf) on member(s). 4-5, 8-9, 5-16, 8-16; Wall dead load (5.0psf) on member(s).4-15, 9-13
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 13-15
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 71 lb uplift at joint 11 and 71 lb uplift at joint 2.

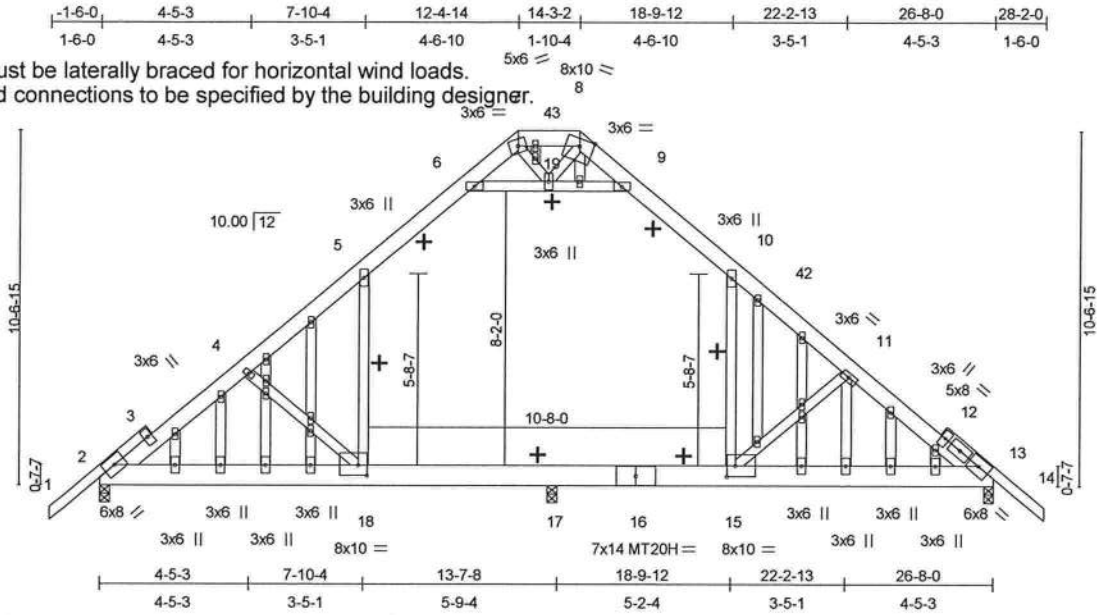
LOAD CASE(S) Standard

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

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME
SEAL TRUSSES	T02G	GABLE	1	1	J1922713
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Jan 09 13:38:48 2008 Page 1



+ Member must be laterally braced for horizontal wind loads.
Bracing and connections to be specified by the building designer.

Plate Offsets (X,Y): [15:0-3-1,0-3-14], [18:0-3-3,0-3-10]

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)	0.17	13-15	>915	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.67	Vert(TL)	-0.24	13-15	>644	240	MT20H	187/143
BCLL	10.0	* Rep Stress Incr	NO	WB	0.34	Horz(TL)	0.02	13	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 250 lb	

LUMBER

TOP CHORD	2 X 6 SYP No.1D *Except* 1-3 2 X 4 SYP No.2, 12-14 2 X 4 SYP No.2
BOT CHORD	2 X 8 SYP No.1D
WEBS	2 X 4 SYP No.3
OTHERS	2 X 4 SYP No.3

BRACING

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (10-0-0 max.): 7-8.
BOT CHORD	Rigid ceiling directly applied or 9-1-14 oc bracing.

REACTIONS (lb/size) 2=1159/0-3-8, 13=1123/0-3-8, 17=1308/0-3-8
Max Horz 2=-354(load case 4)
Max Uplift 2=-350(load case 6), 13=-338(load case 7), 17=-56(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=0/59, 2-3=-1436/313, 3-4=-1394/321, 4-5=-1224/288, 5-6=-894/351, 6-7=-6/118, 8-9=-46/141, 9-10=-942/354, 10-42=-1084/293, 11-42=-1216/295, 11-12=-1367/323, 12-13=-1404/307, 13-14=0/50, 7-43=-19/193, 8-43=-19/193
BOT CHORD	2-18=-315/1119, 17-18=-149/795, 16-17=-149/795, 15-16=-149/795, 13-15=-140/1108
WEBS	5-18=-7/294, 10-15=0/214, 6-19=-1040/452, 9-19=-979/417, 4-18=-463/300, 11-15=-447/304, 7-19=-192/200, 8-19=-130/215

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

JOINT STRESS INDEX

2 = 0.83, 3 = 0.00, 3 = 0.67, 4 = 0.34, 5 = 0.16, 6 = 0.37, 7 = 0.36, 8 = 0.15, 8 = 0.00, 9 = 0.35, 10 = 0.16, 11 = 0.63, 12 = 0.27, 12 = 0.34, 12 = 0.28, 13 = 0.79, 15 = 0.11, 16 = 0.11, 18 = 0.10, 19 = 0.36, 20 = 0.34, 21 = 0.34, 22 = 0.34, 23 = 0.34, 23 = 0.34, 24 = 0.34, 25 = 0.16, 26 = 0.34, 26 = 0.34, 27 = 0.34, 28 = 0.16, 29 = 0.16, 30 = 0.34, 31 = 0.16, 32 = 0.34, 33 = 0.34, 34 = 0.34, 35 = 0.34, 36 = 0.16, 37 = 0.34, 37 = 0.34, 38 = 0.16, 39 = 0.16, 40 = 0.34 and 41 = 0.16

NOTES

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

January 9,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME
					J1922713
SEAL TRUSSES	T02G	GABLE	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 gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
4) Provide adequate drainage to prevent water ponding.
5) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) All plates are MT20 plates unless otherwise indicated.
7) All plates are 2x4 MT20 unless otherwise indicated.
8) Gable studs spaced at 1-4-0 oc.
9) Ceiling dead load (5.0 psf) on member(s). 5-6, 9-10, 6-19, 9-19; Wall dead load (5.0psf) on member(s).5-18, 10-15
10) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 17-18, 15-17
11) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 350 lb uplift at joint 2, 338 lb uplift at joint 13 and 56 lb uplift at joint 17.
13) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
14) Gable truss supports 1' 0" max. rake gable overhang.

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-18=-10, 15-18=-110, 13-15=-10, 1-5=-64(F=-10), 5-6=-74(F=-10), 6-7=-64(F=-10), 8-9=-91(F=-37), 9-10=-101(F=-37), 10-42=-91(F=-37), 14-42=-54, 7-43=-64(F=-10), 8-43=-91(F=-37), 6-9=-10
Drag: 5-18=-10, 10-15=-10

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

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME J1922714
SEAL TRUSSES	T03	PIGGYBACK ATTIC	9	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 03 16:40:14 2008 Page 1

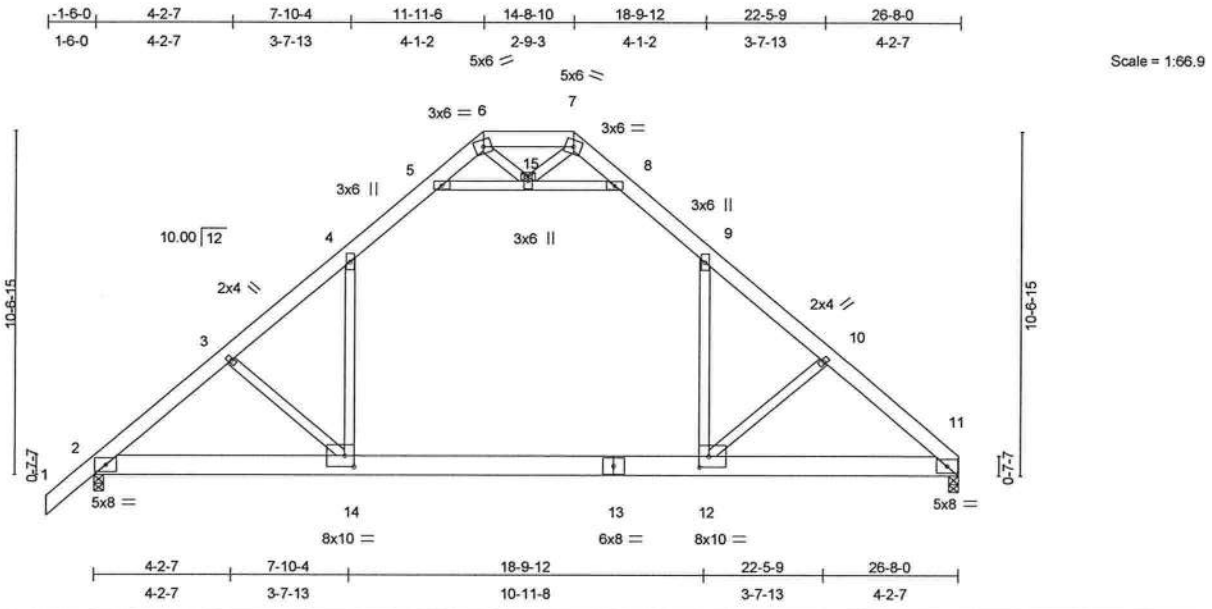


Plate Offsets (X,Y): [12:0-3-8,0-4-0], [14:0-3-8,0-4-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.82	Vert(LL)	-0.34	12-14	>923	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.47	Vert(TL)	-0.58	12-14	>550	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.38	Horz(TL)	0.03	11	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 213 lb	

LUMBER
TOP CHORD 2 X 6 SYP No.1D
BOT CHORD 2 X 8 SYP No.1D
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-0-12 oc purlins, except 2-0-0 oc purlins (10-0-0 max.): 6-7.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 5-8

REACTIONS (lb/size) 2=1604/0-3-8, 11=1510/0-3-8
Max Horz 2=301(load case 5)
Max Uplift 2=-72(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/53, 2-3=-2316/260, 3-4=-2118/245, 4-5=-1308/305, 5-6=0/492, 7-8=0/490, 8-9=-1306/302, 9-10=-2123/253, 10-11=-2323/272, 6-7=-3/703
BOT CHORD 2-14=-118/1715, 13-14=0/1409, 12-13=0/1409, 11-12=-137/1726
WEBS 4-14=-4/1053, 9-12=-21/1063, 5-15=-2162/378, 8-15=-2158/371, 3-14=-439/234, 10-12=-453/260, 6-15=-103/166, 7-15=-101/162

JOINT STRESS INDEX
2 = 0.46, 3 = 0.33, 4 = 0.34, 5 = 0.74, 6 = 0.52, 7 = 0.52, 8 = 0.74, 9 = 0.34, 10 = 0.33, 11 = 0.46, 12 = 0.20, 13 = 0.66, 14 = 0.20 and 15 = 0.40

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

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

January 9,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME J1922714
SEAL TRUSSES	T03	PIGGYBACK ATTIC	9	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) Ceiling dead load (5.0 psf) on member(s). 4-5, 8-9, 5-15, 8-15; Wall dead load (5.0psf) on member(s).4-14, 9-12
6) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 12-14
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 72 lb uplift at joint 2.

LOAD CASE(S) Standard

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

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME
SEAL TRUSSES	T04	HIP	1	1	J1922715
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 03 16:40:15 2008 Page 1

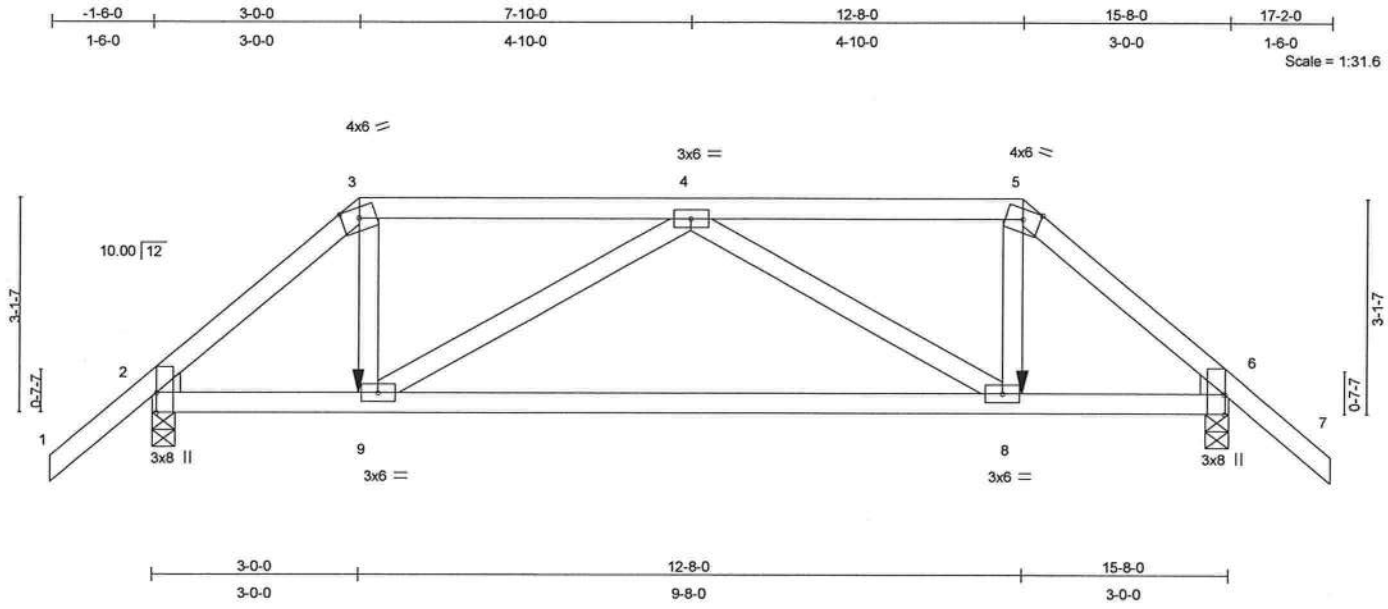


Plate Offsets (X,Y): [2:0-3-8,Edge], [6:0-3-8,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.21	Vert(LL)	-0.14	8-9	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.48	Vert(TL)	-0.27	8-9	>686	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.18	Horz(TL)	0.02	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 80 lb	

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

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

REACTIONS (lb/size) 2=680/0-4-0, 6=680/0-4-0
Max Horz 2=-76(load case 3)
Max Uplift 2=-227(load case 4), 6=-227(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-787/267, 3-4=-541/232, 4-5=-541/232, 5-6=-787/267, 6-7=0/45
BOT CHORD 2-9=-212/525, 8-9=-354/810, 6-8=-154/525
WEBS 3-9=-82/326, 4-9=-332/228, 4-8=-332/228, 5-8=-82/326

JOINT STRESS INDEX
2 = 0.42, 2 = 0.00, 3 = 0.26, 4 = 0.10, 5 = 0.26, 6 = 0.42, 6 = 0.00, 8 = 0.21 and 9 = 0.21

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.

Julius Lee
Truss Design Engineer
Florida PE No. 34191
1300 Gemini Bay Blvd
Boynton Beach, FL 33435

January 9,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME
					J1922715
SEAL TRUSSES	T04	HIP	1	1	Job Reference (optional)

NOTES

5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 227 lb uplift at joint 2 and 227 lb uplift at joint 6.
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=-63(F=-9), 5-7=-54, 2-9=-10, 8-9=-12(F=-2), 6-8=-10
   Concentrated Loads (lb)
   Vert: 9=-48(F) 8=-48(F)

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

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME
SEAL TRUSSES	T05	HIP	1	1	J1922716
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 03 16:40:15 2008 Page 1

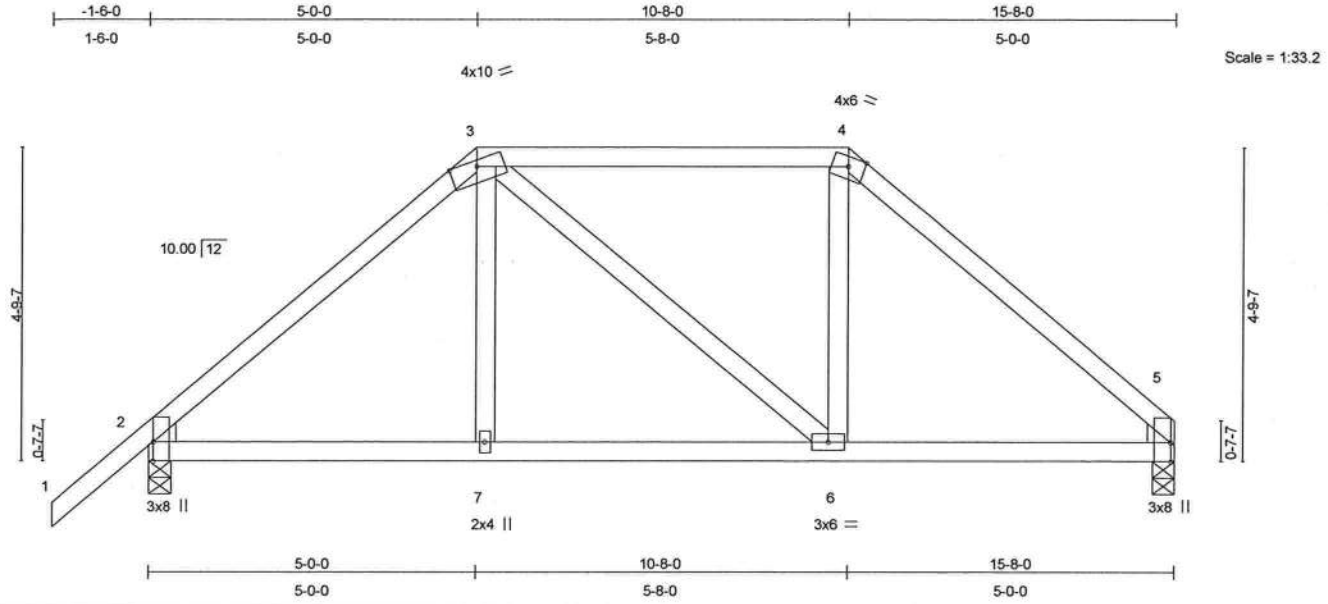


Plate Offsets (X,Y): [2:0-3-8,Edge], [5:0-3-8,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.20	Vert(LL)	0.03	5-6	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.24	Vert(TL)	-0.03	5-6	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.08	Horz(TL)	0.01	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 78 lb	

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

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

REACTIONS (lb/size) 2=586/0-4-0, 5=486/0-4-0
Max Horz 2=142(load case 5)
Max Uplift 2=-161(load case 6), 5=-85(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-605/278, 3-4=-398/307, 4-5=-614/292
BOT CHORD 2-7=-143/384, 6-7=-142/386, 5-6=-110/396
WEBS 3-7=0/164, 3-6=-96/86, 4-6=-11/166

JOINT STRESS INDEX
2 = 0.33, 2 = 0.00, 3 = 0.62, 4 = 0.62, 5 = 0.41, 5 = 0.00, 6 = 0.11 and 7 = 0.12

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.

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

January 9,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME J1922716
SEAL TRUSSES	T05	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 161 lb uplift at joint 2 and 85 lb uplift at joint 5.

LOAD CASE(S) Standard

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

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME
SEAL TRUSSES	T06	SPECIAL	1	1	J1922717
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Jan 09 13:40:32 2008 Page 1

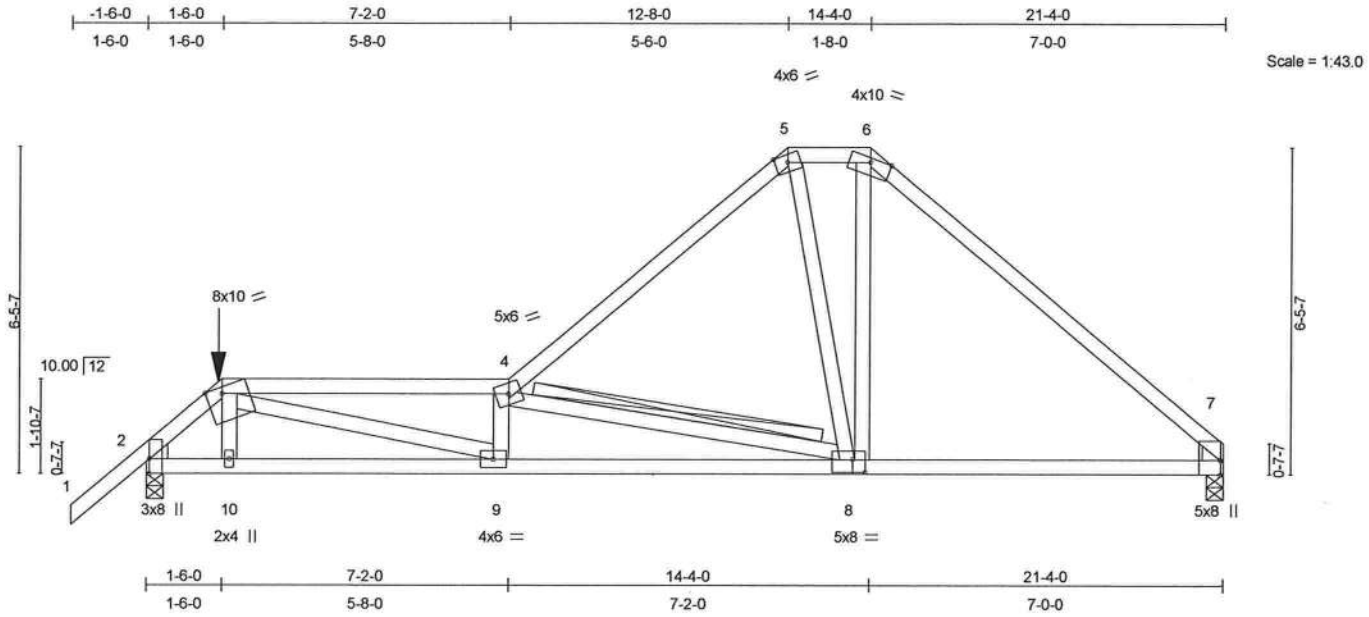


Plate Offsets (X,Y): [2:0-3-8,Edge], [3:0-3-13,Edge], [7:0-3-8,Edge], [8:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.49	Vert(LL)	0.15	9	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.58	Vert(TL)	-0.25	8-9	>991	240		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.48	Horz(TL)	0.04	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 114 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-3-10 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-5-13 oc bracing: 8-9.
WEBS T-Brace: 2 X 4 SYP No.3 - 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) 2=772/0-4-0, 7=669/0-4-0
Max Horz 2=189(load case 5)
Max Uplift 2=-238(load case 6), 7=-119(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-885/376, 3-4=-1988/977, 4-5=-741/372, 5-6=-558/413, 6-7=-850/386
BOT CHORD 2-10=-219/606, 9-10=-214/609, 8-9=-933/2022, 7-8=-145/548
WEBS 3-10=0/141, 3-9=-722/1434, 4-9=-369/262, 4-8=-1562/847, 5-8=-200/301, 6-8=-142/319

JOINT STRESS INDEX
2 = 0.59, 2 = 0.00, 3 = 0.40, 4 = 0.67, 5 = 0.73, 6 = 0.95, 7 = 0.53, 7 = 0.00, 8 = 0.74, 9 = 0.67 and 10 = 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 and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1309 Coastal Bay Blvd
Boynton Beach, FL 33435

January 9,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME
SEAL TRUSSES	T06	SPECIAL	1	1	J1922717 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 238 lb uplift at joint 2 and 119 lb uplift at joint 7.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

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

LOAD CASE(S) Standard

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

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

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME J1922718
SEAL TRUSSES	T07	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 03 16:40:17 2008 Page 1

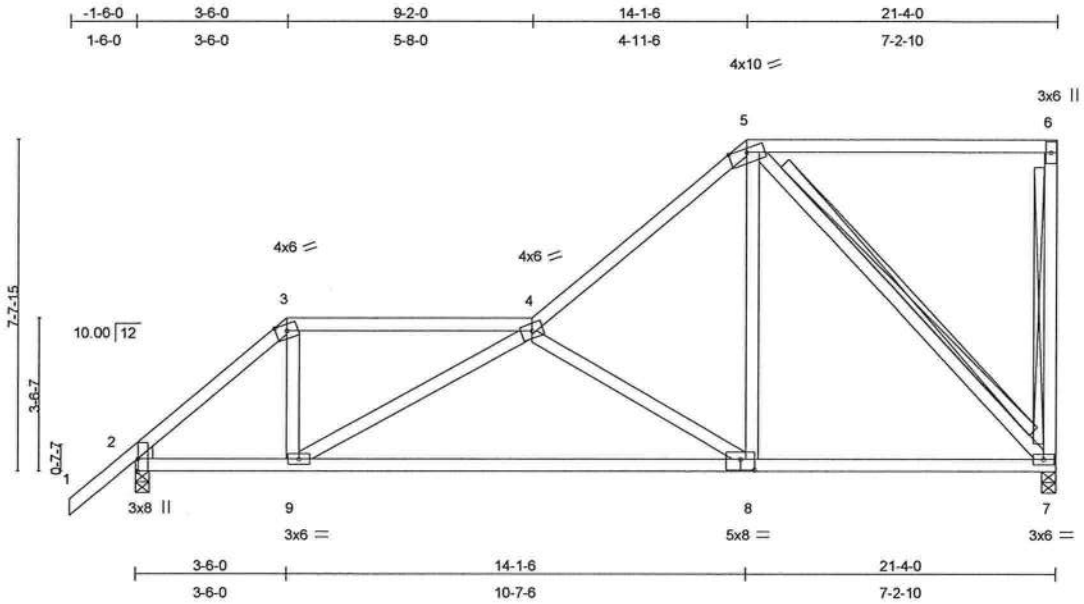


Plate Offsets (X,Y): [2:0-3-8,Edge], [8:0-4-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.47	Vert(LL)	-0.23	8-9	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.52	Vert(TL)	-0.42	8-9	>602	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.47	Horz(TL)	0.03	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 129 lb	

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

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

REACTIONS (lb/size) 7=669/0-4-0, 2=766/0-4-0
Max Horz 2=285(load case 6)
Max Uplift 7=-166(load case 5), 2=-205(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-914/301, 3-4=-637/282, 4-5=-663/239, 5-6=-24/13, 6-7=-180/123
BOT CHORD 2-9=-461/622, 8-9=-640/1069, 7-8=-274/464
WEBS 3-9=-35/399, 4-9=-500/204, 4-8=-727/436, 5-8=-169/520, 5-7=-635/377

JOINT STRESS INDEX
2 = 0.58, 2 = 0.00, 3 = 0.39, 4 = 0.78, 5 = 0.87, 6 = 0.35, 7 = 0.37, 8 = 0.63 and 9 = 0.34

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

January 9,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME
					J1922718
SEAL TRUSSES	T07	SPECIAL	1	1	Job Reference (optional)

NOTES

1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Provide adequate drainage to prevent water ponding.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 166 lb uplift at joint 7 and 205 lb uplift at joint 2.

LOAD CASE(S) Standard

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

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME
SEAL TRUSSES	T08	SPECIAL	1	1	J1922719 Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 03 16:40:18 2008 Page 1

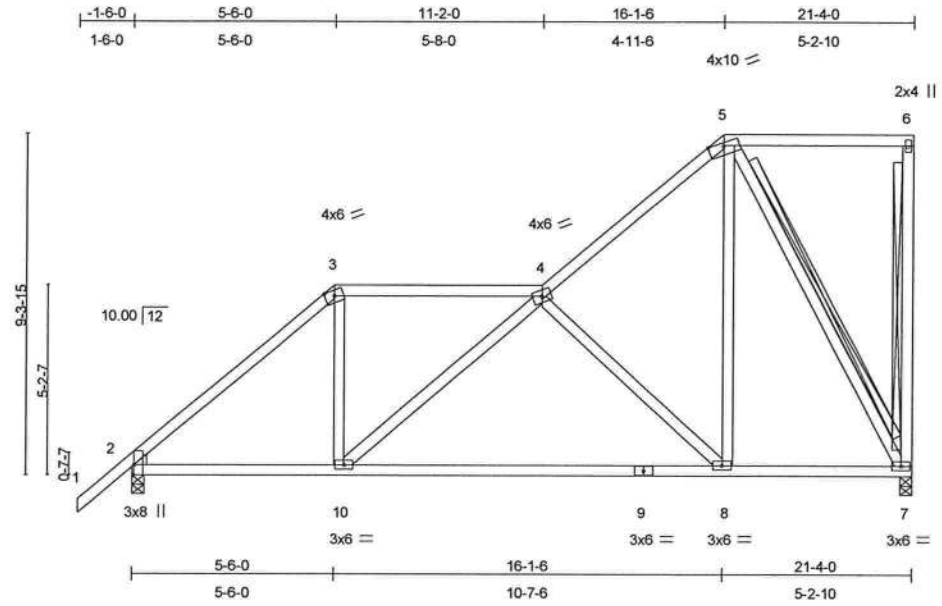


Plate Offsets (X,Y): [2:0-3-8,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.27	Vert(LL)	-0.23	8-10	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.52	Vert(TL)	-0.42	8-10	>597	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.51	Horz(TL)	0.02	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 140 lb	

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

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

REACTIONS (lb/size) 7=669/0-4-0, 2=766/0-4-0
Max Horz 2=339(load case 6)
Max Uplift 7=-192(load case 6), 2=-191(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-880/257, 3-4=-588/283, 4-5=-473/137, 5-6=-7/5, 6-7=-120/79
BOT CHORD 2-10=-465/582, 9-10=-465/724, 8-9=-465/724, 7-8=-192/307
WEBS 3-10=0/310, 4-10=-181/47, 4-8=-588/383, 5-8=-204/511, 5-7=-613/382

JOINT STRESS INDEX
2 = 0.58, 2 = 0.00, 3 = 0.65, 4 = 0.80, 5 = 0.83, 6 = 0.44, 7 = 0.44, 8 = 0.35, 9 = 0.28 and 10 = 0.35

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

January 9,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME
					J1922719
SEAL TRUSSES	T08	SPECIAL	1	1	Job Reference (optional)

NOTES

1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Provide adequate drainage to prevent water ponding.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 192 lb uplift at joint 7 and 191 lb uplift at joint 2.

LOAD CASE(S) Standard

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

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME J1922720
SEAL TRUSSES	T09	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 03 16:40:18 2008 Page 1

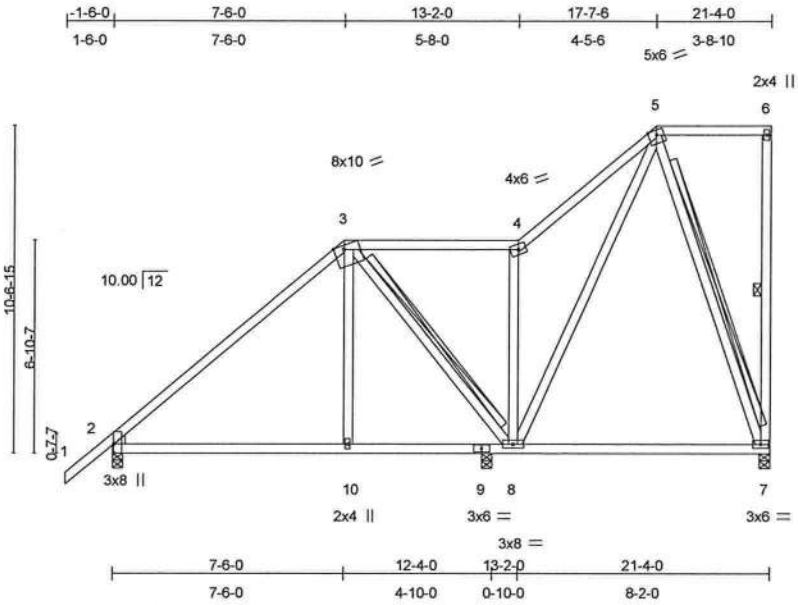


Plate Offsets (X,Y): [2:0-3-8,Edge], [3:0-3-13,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.48	Vert(LL)	-0.12	7-8	>948	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.32	Vert(TL)	-0.22	7-8	>490	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.68	Horz(TL)	0.01	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 150 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 3-4, 5-6.
BOT CHORD Rigid ceiling directly applied or 9-6-13 oc bracing.
WEBS 1 Row at midpt 6-7
T-Brace: 2 X 4 SYP No.3 - 3-8, 5-7
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.
JOINTS 1 Brace at Jt(s): 6

REACTIONS (lb/size) 7=558/0-4-0, 2=680/0-4-0, 9=198/0-4-0
Max Horz 2=379(load case 6)
Max Uplift 7=-178(load case 6), 2=-140(load case 6), 9=-81(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-697/123, 3-4=-375/72, 4-5=-581/213, 5-6=-13/0, 6-7=-80/59
BOT CHORD 2-10=-382/428, 9-10=-381/429, 8-9=-381/429, 7-8=-116/157
WEBS 3-10=0/187, 3-8=-84/228, 4-8=-565/277, 5-8=-306/566, 5-7=-453/351

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

JOINT STRESS INDEX
2 = 0.70, 2 = 0.00, 3 = 0.74, 4 = 0.47, 5 = 0.36, 6 = 0.38, 7 = 0.48, 8 = 0.64, 9 = 0.46 and 10 = 0.33

January 9,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME
					J1922720
SEAL TRUSSES	T09	SPECIAL	1	1	Job Reference (optional)

NOTES

1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Provide adequate drainage to prevent water ponding.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 178 lb uplift at joint 7, 140 lb uplift at joint 2 and 81 lb uplift at joint 9.

LOAD CASE(S) Standard

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

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME J1922721
SEAL TRUSSES	T10	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 03 16:40:19 2008 Page 1

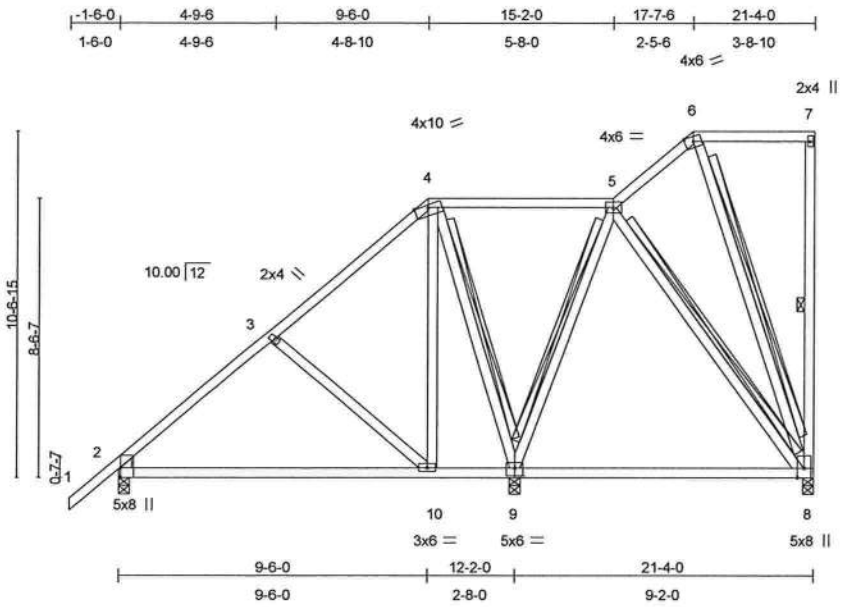


Plate Offsets (X,Y): [2:0-3-8,Edge], [9:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.39	Vert(LL)	-0.17	2-10	>861	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.37	Vert(TL)	-0.30	2-10	>483	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.18	Horz(TL)	-0.01	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 164 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-5, 6-7.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 7-8
T-Brace: 2 X 4 SYP No.3 - 4-9, 5-9, 5-8, 6-8
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.
JOINTS 1 Brace at Jt(s): 7

REACTIONS (lb/size) 8=272/0-4-0, 2=467/0-4-0, 9=696/0-4-0
Max Horz 2=379(load case 6)
Max Uplift 8=-100(load case 5), 2=-76(load case 6), 9=-234(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-404/0, 3-4=-211/13, 4-5=-41/23, 5-6=-115/25, 6-7=-15/0, 7-8=-97/60
BOT CHORD 2-10=-339/244, 9-10=-158/104, 8-9=-82/67
WEBS 3-10=-187/239, 4-10=-114/237, 4-9=-410/356, 5-9=-260/97, 5-8=-44/74, 6-8=-103/120

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

JOINT STRESS INDEX
2 = 0.57, 3 = 0.90, 3 = 0.33, 4 = 0.85, 5 = 0.72, 6 = 0.29, 7 = 0.45, 8 = 0.31, 9 = 0.74 and 10 = 0.34

January 9,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME
SEAL TRUSSES	T10	SPECIAL	1	1	J1922721 Job Reference (optional)

NOTES

1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Provide adequate drainage to prevent water ponding.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint 8, 76 lb uplift at joint 2 and 234 lb uplift at joint 9.

LOAD CASE(S) Standard

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

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME J1922722
SEAL TRUSSES	T11	MONO HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 03 16:40:20 2008 Page 1

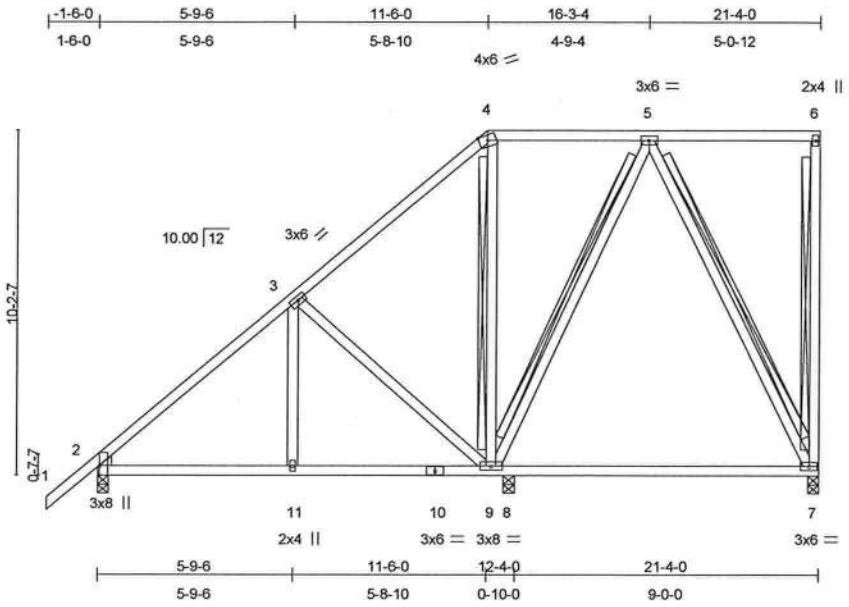


Plate Offsets (X,Y): [2:0-3-8,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.36	Vert(LL)	-0.12	7-8	>871	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.47	Vert(TL)	-0.20	7-8	>537	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.31	Horz(TL)	-0.01	7	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
WEDGE
Left: 2 X 4 SYP No.3

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

REACTIONS (lb/size) 7=452/0-4-0, 2=603/0-4-0, 8=380/0-4-0
Max Horz 2=367(load case 6)
Max Uplift 7=-204(load case 5), 2=-151(load case 6), 8=-18(load case 6)
Max Grav 7=452(load case 1), 2=603(load case 1), 8=524(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-628/174, 3-4=-324/171, 4-5=-168/217, 5-6=-13/0, 6-7=-118/84
BOT CHORD 2-11=-441/394, 10-11=-441/394, 9-10=-441/394, 8-9=-157/156, 7-8=-157/156
WEBS 3-11=0/193, 3-9=-297/294, 4-9=-137/98, 5-9=-143/43, 5-7=-334/354

JOINT STRESS INDEX
2 = 0.58, 2 = 0.00, 3 = 0.43, 4 = 0.59, 5 = 0.46, 6 = 0.43, 7 = 0.45, 9 = 0.61, 10 = 0.24 and 11 = 0.33

Julius Lee
Truss Design Engineer
Florida FIE No. 34869
3109 Coastal Bay Blvd
Boynton Beach, FL 33435

January 9,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME
					J1922722
SEAL TRUSSES	T11	MONO HIP	1	1	Job Reference (optional)

NOTES

1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Provide adequate drainage to prevent water ponding.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 204 lb uplift at joint 7, 151 lb uplift at joint 2 and 18 lb uplift at joint 8.

LOAD CASE(S) Standard

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

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME J1922723
SEAL TRUSSES	T12	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 03 16:40:21 2008 Page 1

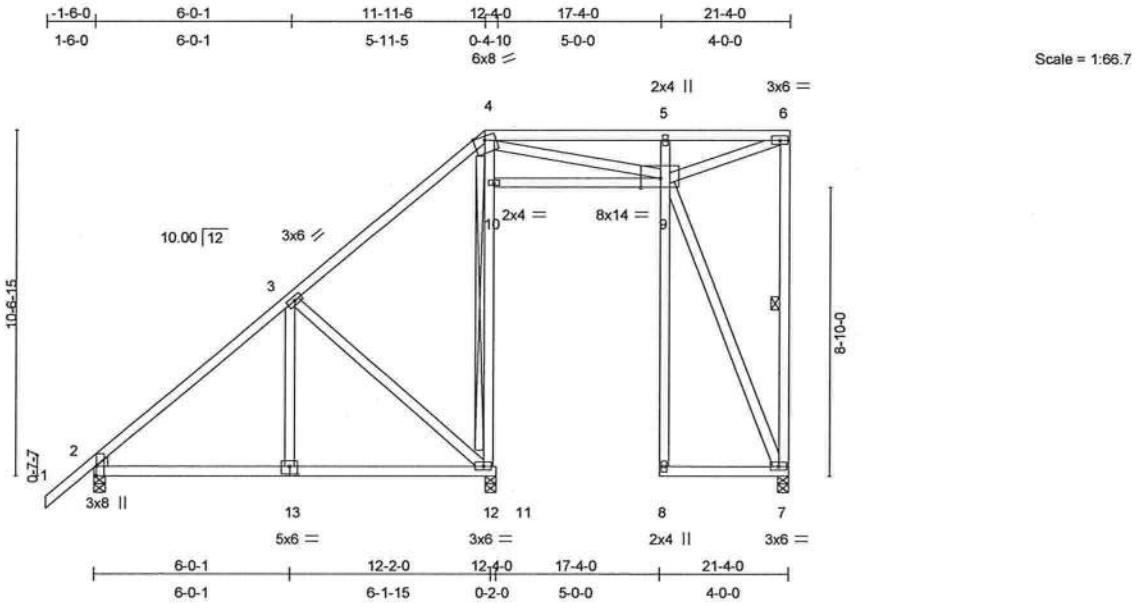


Plate Offsets (X,Y): [2:0-3-8,Edge], [13:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.22	Vert(LL)	-0.03	12-13	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.28	Vert(TL)	-0.05	12-13	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.35	Horz(TL)	0.08	7	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 *Except*
4-12 2 X 4 SYP No.3, 5-8 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3
WEDGE
Left: 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-6.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
T-Brace: 2 X 4 SYP No.3 - 10-12
WEBS 1 Row at midpt 6-7
JOINTS 1 Brace at Jt(s): 6

REACTIONS (lb/size) 7=273/0-4-0, 2=464/0-4-0, 12=700/0-4-0
Max Horz 2=379(load case 6)
Max Uplift 7=-108(load case 4), 2=-30(load case 6), 12=-291(load case 6)
Max Grav 7=285(load case 11), 2=464(load case 1), 12=700(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-414/0, 3-4=-155/102, 4-5=-499/204, 5-6=-470/210, 6-7=-267/140
BOT CHORD 2-13=-227/234, 12-13=-227/234, 11-12=0/0, 10-12=-471/362, 4-10=-438/376, 9-10=-48/83, 8-9=0/55, 5-9=-257/179, 7-8=-1/2
WEBS 3-13=0/209, 3-12=-309/303, 4-9=-261/456, 7-9=-1/2, 6-9=-224/502

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1326 Coastal Bay Blvd
Boynton Beach, FL 33435

JOINT STRESS INDEX

2 = 0.58, 2 = 0.00, 3 = 0.43, 4 = 0.51, 5 = 0.33, 6 = 0.34, 7 = 0.47, 8 = 0.33, 9 = 0.32, 10 = 0.82, 12 = 0.35 and 13 = 0.44

January 9,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME J1922723
SEAL TRUSSES	T12	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 108 lb uplift at joint 7, 30 lb uplift at joint 2 and 291 lb uplift at joint 12.

LOAD CASE(S) Standard

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

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME J1922724
SEAL TRUSSES	T13	SPECIAL	3	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 03 16:40:22 2008 Page 1

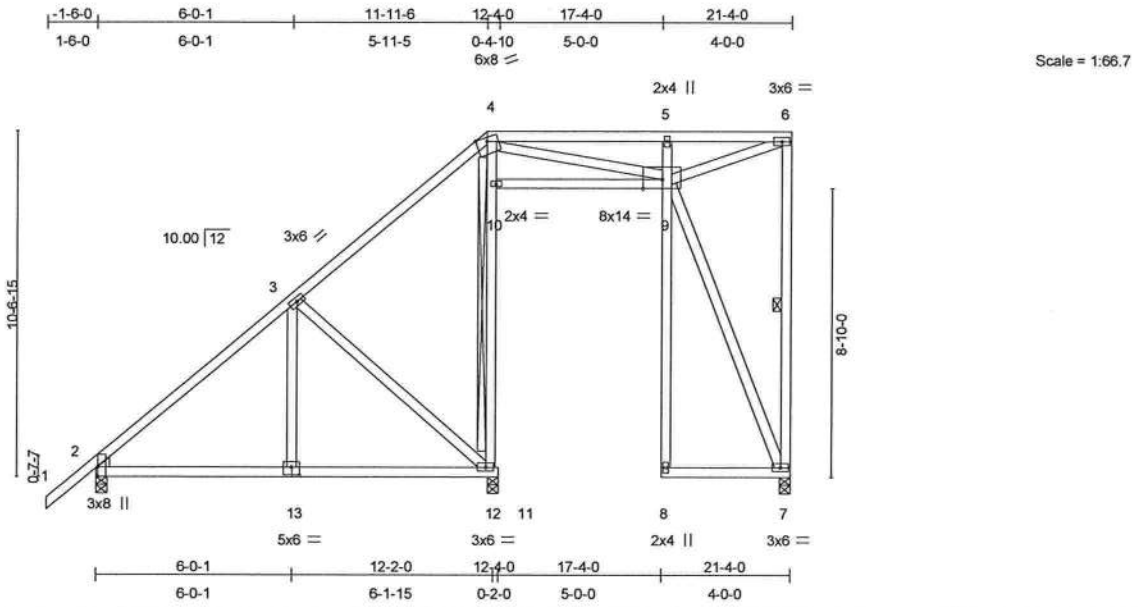


Plate Offsets (X,Y): [2:0-3-8,Edge], [13:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.22	Vert(LL)	-0.03	12-13	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.28	Vert(TL)	-0.05	12-13	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.35	Horz(TL)	0.08	7	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 *Except*
4-12 2 X 4 SYP No.3, 5-8 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3
WEDGE
Left: 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
T-Brace: 2 X 4 SYP No.3 - 10-12
WEBS 1 Row at midpt 6-7

REACTIONS (lb/size) 7=273/0-4-0, 2=464/0-4-0, 12=700/0-4-0
Max Horz 2=379(load case 6)
Max Uplift 7=-108(load case 4), 2=-30(load case 6), 12=-291(load case 6)
Max Grav 7=285(load case 11), 2=464(load case 1), 12=700(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-414/0, 3-4=-155/102, 4-5=-499/204, 5-6=-470/210, 6-7=-267/140
BOT CHORD 2-13=-227/234, 12-13=-227/234, 11-12=0/0, 10-12=-471/362, 4-10=-438/376, 9-10=-48/83, 8-9=0/55, 5-9=-257/179, 7-8=-1/2
WEBS 3-13=0/209, 3-12=-309/303, 4-9=-261/456, 7-9=-1/2, 6-9=-224/502

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1300 Coastal Bay Blvd
Boynton Beach, FL 33435

JOINT STRESS INDEX
2 = 0.58, 2 = 0.00, 3 = 0.43, 4 = 0.51, 5 = 0.33, 6 = 0.34, 7 = 0.47, 8 = 0.33, 9 = 0.32, 10 = 0.82, 12 = 0.35 and 13 = 0.44

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

January 9,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME
					J1922724
SEAL TRUSSES	T13	SPECIAL	3	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 108 lb uplift at joint 7, 30 lb uplift at joint 2 and 291 lb uplift at joint 12.

LOAD CASE(S) Standard

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

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME J1922725
SEAL TRUSSES	T14	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 03 16:40:23 2008 Page 1

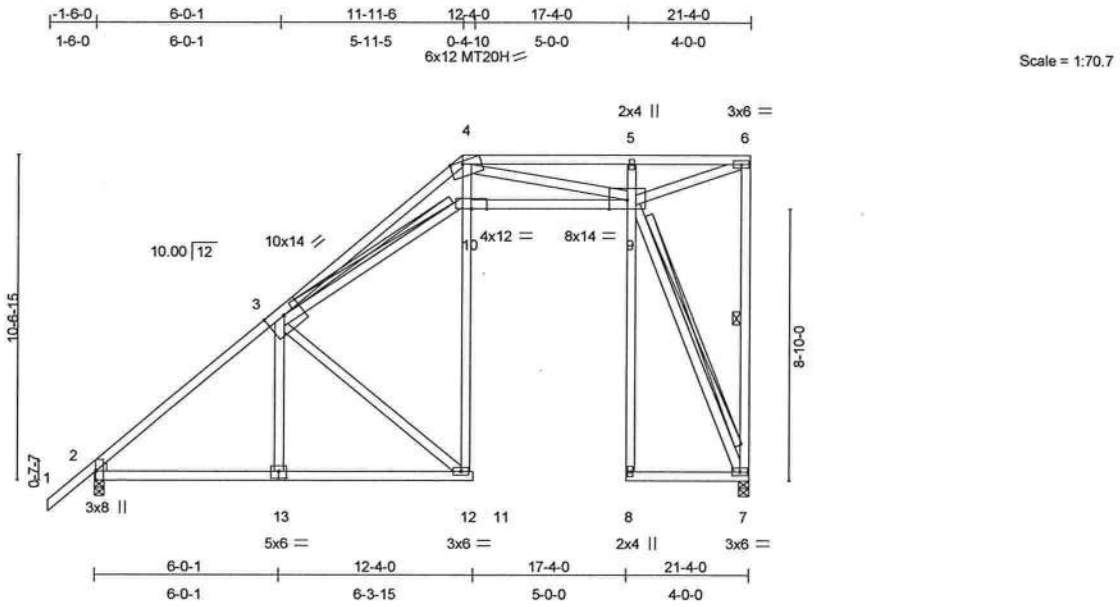


Plate Offsets (X,Y): [2:0-3-8,Edge], [4:0-4-13,Edge], [13:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.52	Vert(LL)	0.46	11	>550	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.76	Vert(TL)	-0.56	11	>452	240	MT20H	187/143
BCLL	10.0	* Rep Stress Incr	YES	WB	0.86	Horz(TL)	1.09	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 *Except* 5-8 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3
WEDGE
Left: 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-2-5 oc purlins, except end verticals, and 2-0-0 oc purlins (4-11-6 max.): 4-6.
BOT CHORD Rigid ceiling directly applied or 4-7-13 oc bracing.
WEBS 1 Row at midpt 6-7
T-Brace: 2 X 4 SYP No.3 - 7-9, 3-10
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.
JOINTS 1 Brace at Jt(s): 6

REACTIONS (lb/size) 7=670/0-4-0, 2=767/0-4-0
Max Horz 2=379(load case 6)
Max Uplift 7=-209(load case 5), 2=-156(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-863/217, 3-4=-3134/2227, 4-5=-1535/1034, 5-6=-1428/975, 6-7=-650/445
BOT CHORD 2-13=-490/572, 12-13=-489/573, 11-12=0/0, 10-12=-386/498, 4-10=-1407/1861, 9-10=-1785/2391, 8-9=0/56, 5-9=-267/190, 7-8=-2/4
WEBS 3-13=0/197, 4-9=-887/778, 7-9=-2/2, 6-9=-1046/1531, 3-10=-2085/2677, 3-12=-719/620

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

January 9,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME
					J1922725
SEAL TRUSSES	T14	SPECIAL	1	1	Job Reference (optional)

JOINT STRESS INDEX

2 = 0.58, 2 = 0.00, 3 = 0.41, 4 = 0.97, 5 = 0.81, 6 = 0.84, 7 = 0.47, 8 = 0.33, 9 = 0.41, 10 = 0.66, 12 = 0.80 and 13 = 0.42

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) Special provisions shall be made by the building designer to allow for 0.88in of horizontal movement due to live load and 1.09in due to total load.
4) Provide adequate drainage to prevent water ponding.
5) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) All plates are MT20 plates unless otherwise indicated.
7) All 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 209 lb uplift at joint 7 and 156 lb uplift at joint 2.

LOAD CASE(S) Standard

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

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME J1922726
SEAL TRUSSES	T15	ROOF TRUSS	3	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 03 16:40:23 2008 Page 1

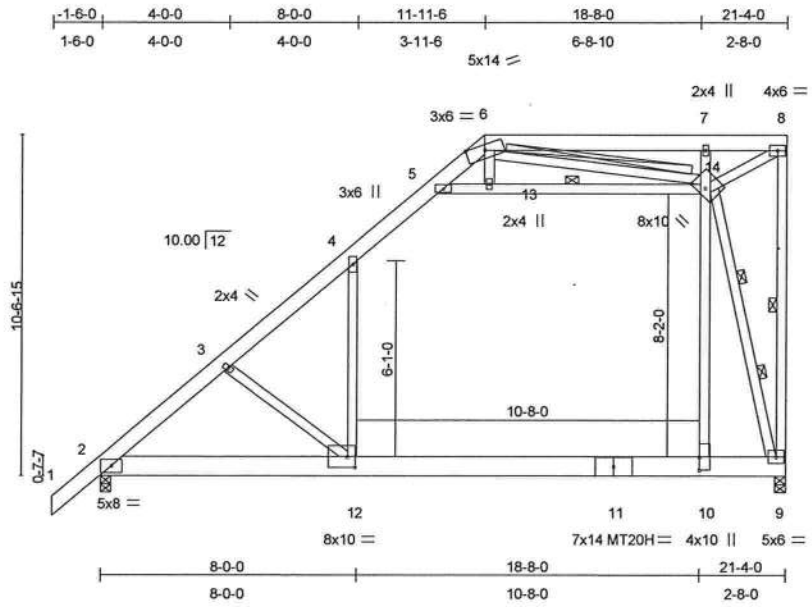


Plate Offsets (X,Y): [10:0-5-0,0-0-0], [12:0-3-0,0-4-0], [14:0-5-0,0-2-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.62	Vert(LL)	-0.33	10-12	>764	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.86	Vert(TL)	-0.58	10-12	>435	240	MT20H	187/143
BCLL	10.0	* Rep Stress Incr	YES	WB	0.83	Horz(TL)	0.02	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 213 lb	

LUMBER

TOP CHORD 2 X 6 SYP No.1D
BOT CHORD 2 X 8 SYP No.1D
WEBS 2 X 4 SYP No.3 *Except*
9-14 2 X 4 SYP No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 5-3-4 oc purlins, except end verticals, and 2-0-0 oc purlins (9-9-2 max.): 6-8.
BOT CHORD Rigid ceiling directly applied or 5-8-6 oc bracing.
WEBS 1 Row at midpt 8-9, 5-14
2 Rows at 1/3 pts 9-14
T-Brace: 2 X 4 SYP No.3 - 6-14
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.
JOINTS 1 Brace at Jt(s): 8

REACTIONS (lb/size) 9=1527/0-4-0, 2=1268/0-4-0
Max Horz 2=385(load case 6)
Max Uplift 2=-35(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/53, 2-3=-1642/7, 3-4=-1422/0, 4-5=-820/91, 5-6=-75/276, 6-7=-641/1616, 7-8=-661/1629, 8-9=-433/1039
BOT CHORD 2-12=-380/1241, 11-12=-178/886, 10-11=-178/886, 9-10=-177/856
WEBS 4-12=0/716, 6-13=0/125, 5-13=-1214/138, 13-14=-1201/144, 10-14=0/1668, 7-14=-473/307, 6-14=-1324/687, 8-14=-1885/763, 9-14=-3428/710, 3-12=-453/257

Continued on page 2

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1303 Graciel Bay Blvd
Boynton Beach, FL 33435

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME J1922726
SEAL TRUSSES	T15	ROOF TRUSS	3	1	Job Reference (optional)

JOINT STRESS INDEX

2 = 0.45, 3 = 0.33, 4 = 0.25, 5 = 0.41, 6 = 0.95, 7 = 0.33, 8 = 0.52, 9 = 0.68, 10 = 0.37, 11 = 0.09, 12 = 0.18, 13 = 0.33 and 14 = 0.82

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 plates are MT20 plates unless otherwise indicated.
6) Ceiling dead load (5.0 psf) on member(s). 4-5, 5-13, 13-14; Wall dead load (5.0psf) on member(s).4-12, 10-14
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 10-12
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 35 lb uplift at joint 2.

LOAD CASE(S) Standard

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

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME J1922727
SEAL TRUSSES	T16	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Jan 09 13:43:24 2008 Page 1

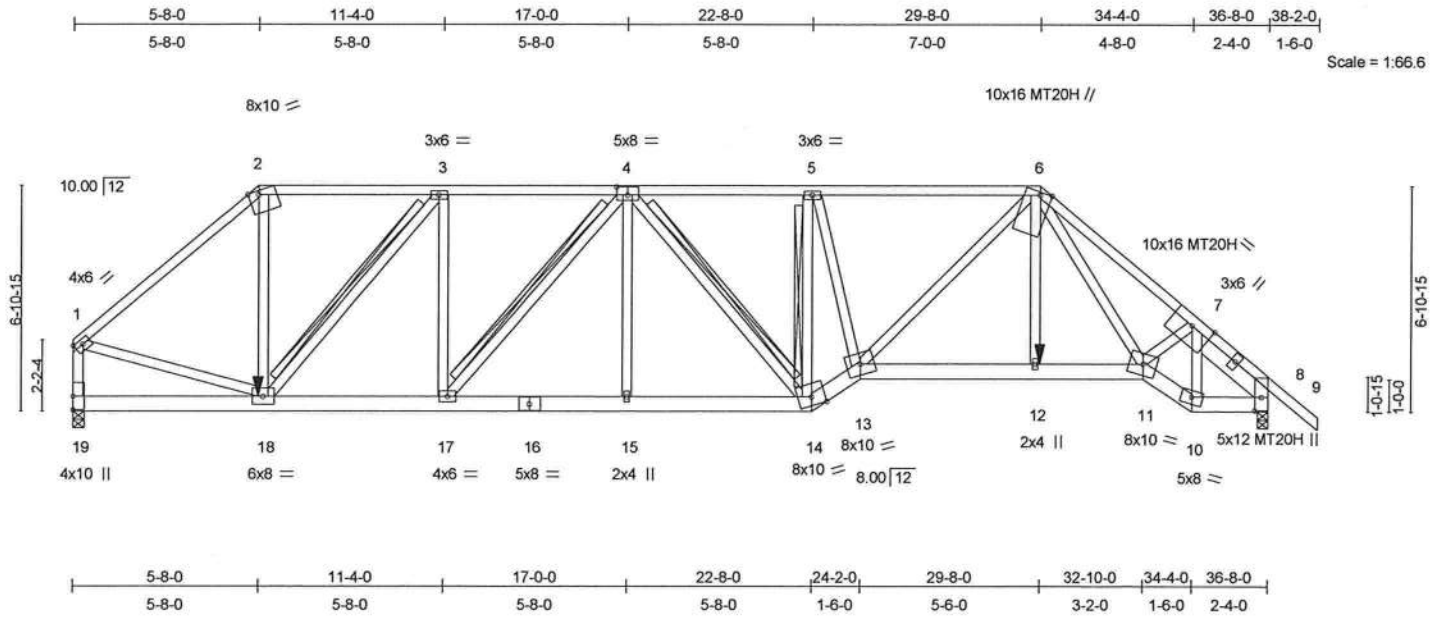


Plate Offsets (X,Y): [1:0-3-0,0-1-12], [2:0-3-13,Edge], [4:0-4-0,0-3-0], [6:0-1-4,0-4-4], [8:0-5-0,0-2-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.99	Vert(LL)	0.25	13	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.66	Vert(TL)	-0.38	12-13	>999	240	MT20H	187/143
BCLL	10.0	* Rep Stress Incr	NO	WB	0.86	Horz(TL)	0.16	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 284 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
SLIDER	Right 2 X 6 SYP No.1D 2-9-12

BRACING

TOP CHORD	Structural wood sheathing directly applied, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 5-4-10 oc bracing.
WEBS	T-Brace: 2 X 4 SYP No.3 - 3-18, 4-17, 4-14, 5-14

Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 19=2525/0-4-0, 8=2503/0-4-0
Max Horz 19=-190(load case 3)
Max Uplift 19=-1240(load case 4), 8=-1285(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=-2738/1392, 2-3=-2066/1142, 3-4=-3235/1824, 4-5=-3624/2102, 5-6=-3887/2217, 6-7=-3853/2121, 7-8=-3237/1715, 8-9=0/30, 1-19=-2478/1240
BOT CHORD	18-19=-167/216, 17-18=-1818/3235, 16-17=-2092/3724, 15-16=-2092/3724, 14-15=-2092/3724, 13-14=-2323/4130, 12-13=-1561/2896, 11-12=-1550/2875, 10-11=-1162/2271, 8-10=-1064/2077
WEBS	2-18=-620/1258, 3-18=-1851/1154, 3-17=-303/712, 4-17=-764/497, 4-15=0/205, 4-14=-185/87, 5-14=-1732/1065, 5-13=-445/1000, 6-12=-389/730, 6-11=-60/137, 7-11=-759/1237, 7-10=-967/505, 1-18=-1113/2042, 6-13=-837/1455

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

JOINT STRESS INDEX

1 = 0.81, 2 = 0.94, 3 = 0.64, 4 = 0.68, 5 = 0.72, 6 = 0.84, 7 = 0.34, 7 = 0.21, 8 = 0.84, 10 = 0.51, 11 = 0.80, 12 = 0.55, 13 = 0.75, 14 = 0.76, 15 = 0.34, 16 = 0.79, 17 = 0.33, 18 = 0.80 and 19 = 0.37

January 9,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME J1922727
SEAL TRUSSES	T16	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; end vertical 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 plates are MT20 plates unless otherwise indicated.
6) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1240 lb uplift at joint 19 and 1285 lb uplift at joint 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: 1-2=-54, 2-6=-117(F=-63), 6-9=-54, 18-19=-10, 14-18=-22(F=-12), 13-14=-22(F=-12), 12-13=-22(F=-12), 11-12=-10, 10-11=-10, 8-10=-10
   Concentrated Loads (lb)
   Vert: 18=-411(F) 12=-411(F)

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1309 Coastal Bay Blvd
Boynton Beach, FL 33435

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME J1922728
SEAL TRUSSES	T17	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 03 16:40:26 2008 Page 1

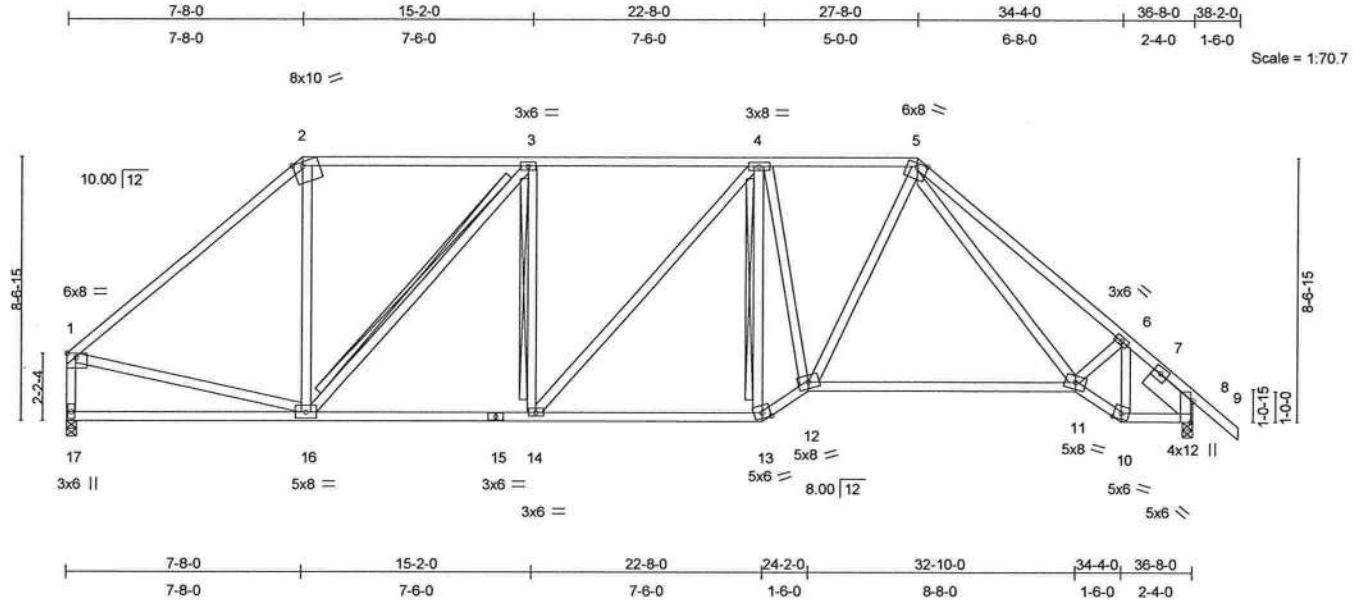


Plate Offsets (X,Y): [1:Edge,0-1-10], [2:0-3-13,Edge], [8:0-8-6,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.84	Vert(LL)	-0.14	11-12	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.45	Vert(TL)	-0.28	11-12	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.46	Horz(TL)	0.10	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 250 lb	

LUMBER

TOP CHORD	2 X 4 SYP No.2
BOT CHORD	2 X 4 SYP No.2
WEBS	2 X 4 SYP No.3
SLIDER	Right 2 X 8 SYP No.1D 1-10-15

BRACING

TOP CHORD	Structural wood sheathing directly applied or 4-0-8 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 9-1-14 oc bracing.
WEBS	T-Brace: 2 X 4 SYP No.3 - 3-16, 3-14, 4-13

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) 17=1167/0-4-0, 8=1251/0-4-0
Max Horz 17=-236(load case 4)
Max Uplift 17=-282(load case 5), 8=-297(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=-1276/648, 2-3=-889/621, 3-4=-1280/812, 4-5=-1321/798, 5-6=-1848/943, 6-7=-1376/706, 7-8=-1424/685, 8-9=0/26, 1-17=-1124/586
BOT CHORD	16-17=-236/286, 15-16=-424/1280, 14-15=-424/1280, 13-14=-400/1246, 12-13=-468/1471, 11-12=-316/1102, 10-11=-464/1127, 8-10=-404/943
WEBS	2-16=-111/400, 3-16=-657/301, 3-14=-7/196, 4-14=-91/105, 4-13=-749/270, 4-12=-35/401, 5-12=-243/582, 5-11=-212/407, 6-11=-131/588, 6-10=-731/320, 1-16=-277/761

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1309 Coastal Bay Blvd
Boynton Beach, FL 33435

January 9,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME
					J1922728
SEAL TRUSSES	T17	SPECIAL	1	1	Job Reference (optional)

JOINT STRESS INDEX

1 = 0.71, 2 = 0.79, 3 = 0.38, 4 = 0.59, 5 = 0.75, 6 = 0.43, 7 = 0.00, 8 = 0.79, 8 = 0.51, 10 = 0.43, 11 = 0.72, 12 = 0.66, 13 = 0.60, 14 = 0.38, 15 = 0.41, 16 = 0.37 and 17 = 0.39

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; end vertical right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) 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 282 lb uplift at joint 17 and 297 lb uplift at joint 8.

LOAD CASE(S) Standard

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

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME J1922729
SEAL TRUSSES	T18	SPECIAL	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 03 16:40:27 2008 Page 1

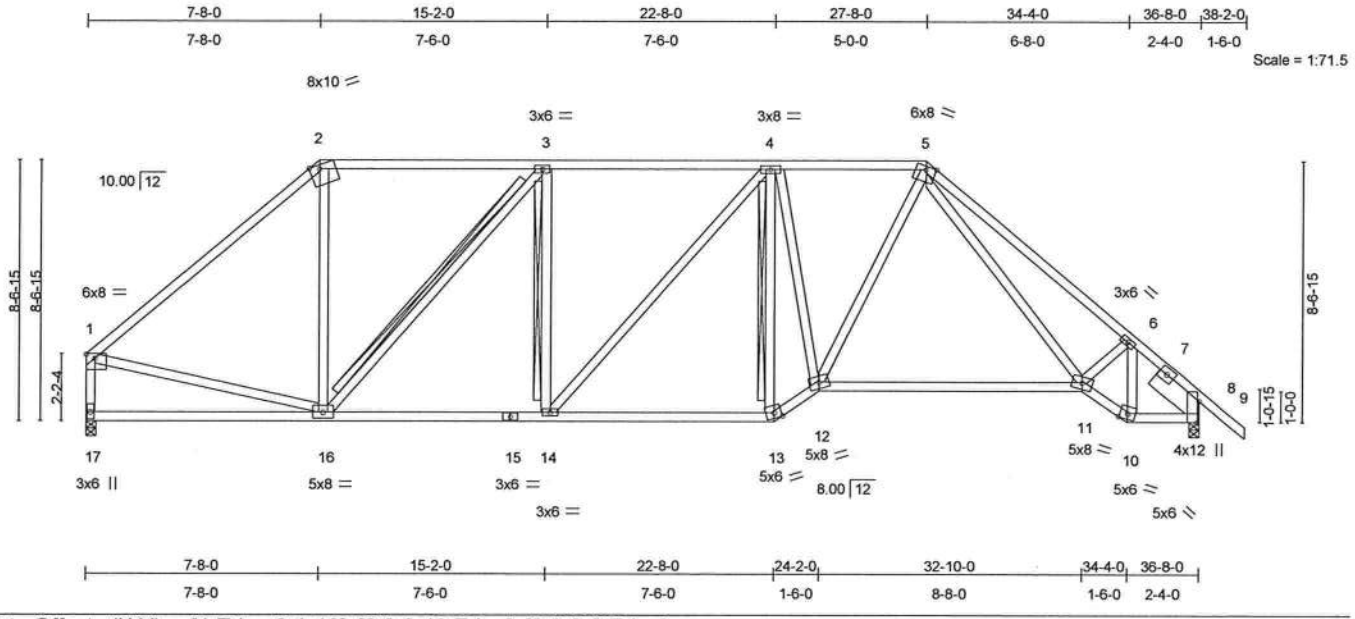


Plate Offsets (X,Y): [1:Edge,0-1-10], [2:0-3-13,Edge], [8:0-8-6,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.84	Vert(LL)	-0.14	11-12	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.45	Vert(TL)	-0.28	11-12	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.46	Horz(TL)	0.10	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 250 lb	

LUMBER

TOP CHORD	2 X 4 SYP No.2
BOT CHORD	2 X 4 SYP No.2
WEBS	2 X 4 SYP No.3
SLIDER	Right 2 X 8 SYP No.1D 1-10-15

BRACING

TOP CHORD	Structural wood sheathing directly applied or 4-0-8 oc purlins, except end verticals, and 2-0-0 oc purlins (5-0-15 max.): 2-5.
BOT CHORD	Rigid ceiling directly applied or 9-1-14 oc bracing.
WEBS	T-Brace: 2 X 4 SYP No.3 - 3-16, 3-14, 4-13 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) 17=1167/0-4-0, 8=1251/0-4-0
Max Horz 17=-236(load case 4)
Max Uplift 17=-282(load case 5), 8=-297(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=-1276/648, 2-3=-889/621, 3-4=-1280/812, 4-5=-1321/798, 5-6=-1848/943, 6-7=-1376/706, 7-8=-1424/685, 8-9=0/26, 1-17=-1124/586
BOT CHORD	16-17=-236/286, 15-16=-424/1280, 14-15=-424/1280, 13-14=-401/1246, 12-13=-468/1472, 11-12=-316/1103, 10-11=-464/1127, 8-10=-404/944
WEBS	2-16=-111/400, 3-16=-657/301, 3-14=-7/197, 4-14=-91/105, 4-13=-749/270, 4-12=-35/401, 5-12=-244/582, 5-11=-212/407, 6-11=-131/589, 6-10=-731/320, 1-16=-277/761

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

January 9,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME J1922729
SEAL TRUSSES	T18	SPECIAL	2	1	Job Reference (optional)

JOINT STRESS INDEX

1 = 0.71, 2 = 0.79, 3 = 0.38, 4 = 0.59, 5 = 0.74, 6 = 0.43, 7 = 0.00, 8 = 0.79, 8 = 0.51, 10 = 0.43, 11 = 0.72, 12 = 0.66, 13 = 0.60, 14 = 0.38, 15 = 0.41, 16 = 0.37 and 17 = 0.39

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; end vertical right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) 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 282 lb uplift at joint 17 and 297 lb uplift at joint 8.

LOAD CASE(S) Standard

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

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME
SEAL TRUSSES	T19	HIP	1	1	J1922730
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 03 16:40:28 2008 Page 1

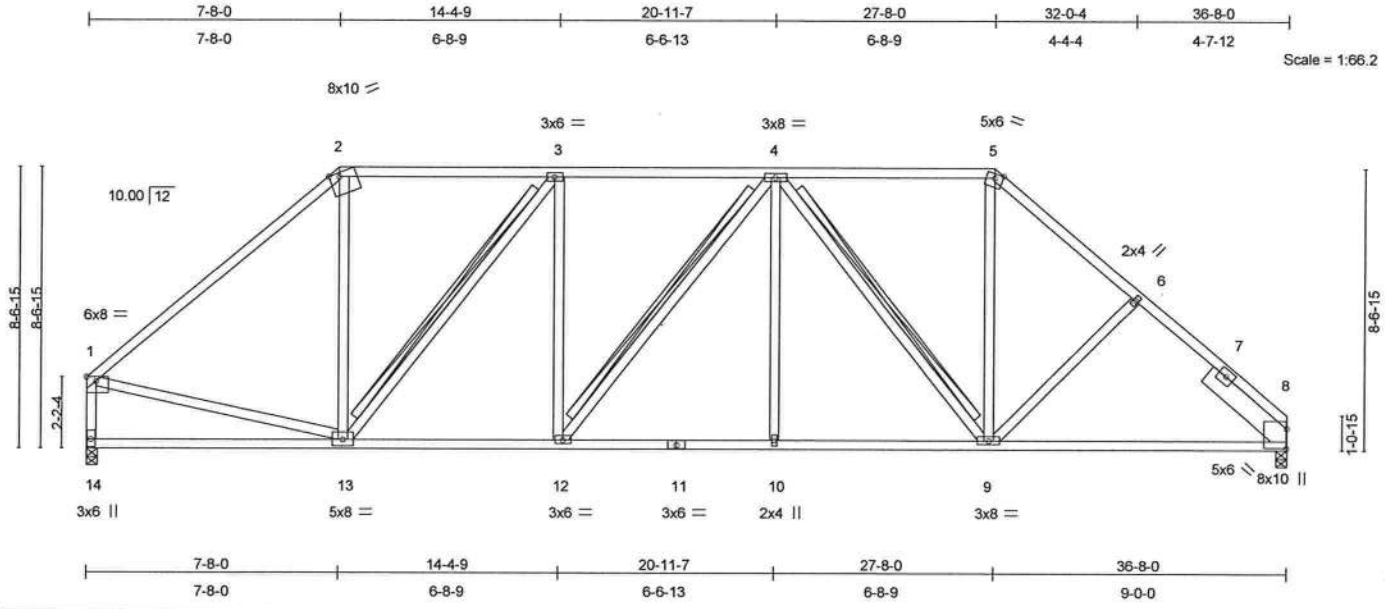


Plate Offsets (X,Y): [1:Edge,0-1-10], [2:0-3-13,Edge], [8:0-7-6,0-0-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.85	Vert(LL)	-0.11	8-9	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.45	Vert(TL)	-0.20	8-9	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.41	Horz(TL)	0.06	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 243 lb	

LUMBER

TOP CHORD	2 X 4 SYP No.2
BOT CHORD	2 X 4 SYP No.2
WEBS	2 X 4 SYP No.3
SLIDER	Right 2 X 8 SYP No.1D 3-2-8

BRACING

TOP CHORD	Structural wood sheathing directly applied or 4-10-9 oc purlins, except end verticals, and 2-0-0 oc purlins (5-5-5 max.): 2-5.
BOT CHORD	Rigid ceiling directly applied or 9-3-0 oc bracing.
WEBS	T-Brace: 2 X 4 SYP No.3 - 3-13, 4-12, 4-9

Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 8=1169/0-4-0, 14=1169/0-4-0
Max Horz 14=-227(load case 4)
Max Uplift 8=-281(load case 4), 14=-283(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=-1277/650, 2-3=-888/622, 3-4=-1251/799, 4-5=-994/669, 5-6=-1317/759, 6-7=-1418/751, 7-8=-1507/737, 1-14=-1125/589
BOT CHORD	13-14=-247/274, 12-13=-438/1251, 11-12=-463/1291, 10-11=-463/1291, 9-10=-463/1291, 8-9=-419/1013
WEBS	2-13=-122/403, 3-13=-652/298, 3-12=-18/225, 4-12=-96/73, 4-10=0/186, 4-9=-544/267, 5-9=-259/477, 6-9=-95/162, 1-13=-273/755

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

Continued on page 2

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME
					J1922730
SEAL TRUSSES	T19	HIP	1	1	Job Reference (optional)

JOINT STRESS INDEX

1 = 0.72, 2 = 0.74, 3 = 0.39, 4 = 0.56, 5 = 0.64, 6 = 0.33, 7 = 0.00, 8 = 0.60, 8 = 0.53, 9 = 0.56, 10 = 0.33, 11 = 0.46, 12 = 0.39 , 13 = 0.36 and 14 = 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 and C-C Exterior(2) zone; end vertical right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) 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 281 lb uplift at joint 8 and 283 lb uplift at joint 14.

LOAD CASE(S) Standard

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

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME
SEAL TRUSSES	T20	SPECIAL	2	1	J1922731
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 03 16:40:29 2008 Page 1

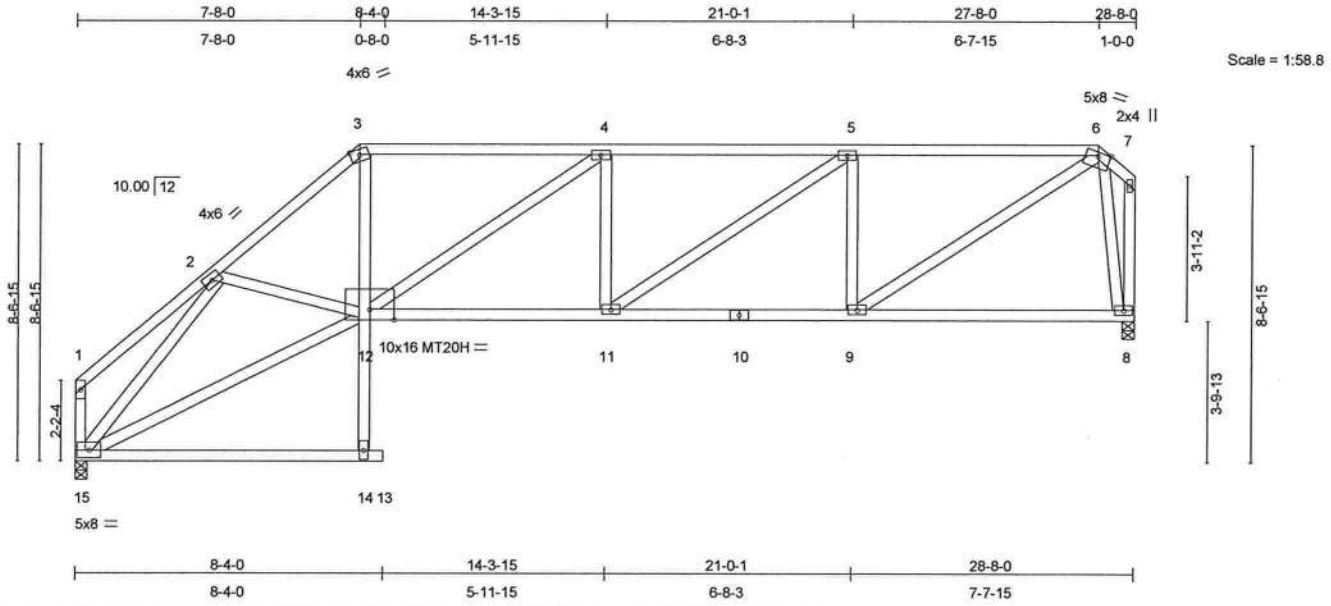


Plate Offsets (X,Y): [1:0-0-0,0-0-0], [2:0-0-0,0-0-0], [4:0-0-0,0-0-0], [5:0-0-0,0-0-0], [7:0-0-0,0-0-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.46	Vert(LL)	0.12	11-12	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.32	Vert(TL)	-0.18	11-12	>999	240	MT20H	187/143
BCLL	10.0	* Rep Stress Incr	YES	WB	0.99	Horz(TL)	0.12	8	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 4 SYP No.2 *Except*
13-15 2 X 4 SYP No.1D, 3-14 2 X 4 SYP No.1D
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-11-13 oc purlins, except end verticals, and 2-0-0 oc purlins (4-11-9 max.): 3-6.
BOT CHORD Rigid ceiling directly applied or 6-9-9 oc bracing.

REACTIONS (lb/size) 8=909/0-4-0, 15=912/0-4-0
Max Horz 15=187(load case 6)
Max Uplift 8=-317(load case 5), 15=-225(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-161/118, 2-3=-1541/930, 3-4=-1189/804, 4-5=-1497/909, 5-6=-1179/692, 6-7=-71/82, 1-15=-168/131, 7-8=-105/118
BOT CHORD 14-15=-6/32, 13-14=0/0, 12-14=0/127, 3-12=-382/644, 11-12=-877/1497, 10-11=-659/1179, 9-10=-659/1179, 8-9=-117/208
WEBS 4-12=-448/224, 4-11=-146/184, 5-11=-262/383, 5-9=-582/411, 6-9=-653/1170, 6-8=-988/627, 2-15=-1390/802, 2-12=-120/307, 12-15=-808/957

JOINT STRESS INDEX
1 = 0.23, 2 = 0.42, 3 = 0.77, 4 = 0.35, 5 = 0.35, 6 = 0.45, 7 = 0.52, 8 = 0.67, 9 = 0.67, 10 = 0.42, 11 = 0.34, 12 = 0.63, 14 = 0.38 and 15 = 0.46

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

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

January 9,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME
					J1922731
SEAL TRUSSES	T20	SPECIAL	2	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 plates are MT20 plates unless otherwise indicated.
6) All plates are 3x6 MT20 unless otherwise indicated.
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 317 lb uplift at joint 8 and 225 lb uplift at joint 15.

LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida PE No. 34834
1109 Coastal Bay Blvd
Boynton Beach, FL 33435

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME J1922732
SEAL TRUSSES	T21	SPECIAL	5	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 03 16:40:30 2008 Page 1

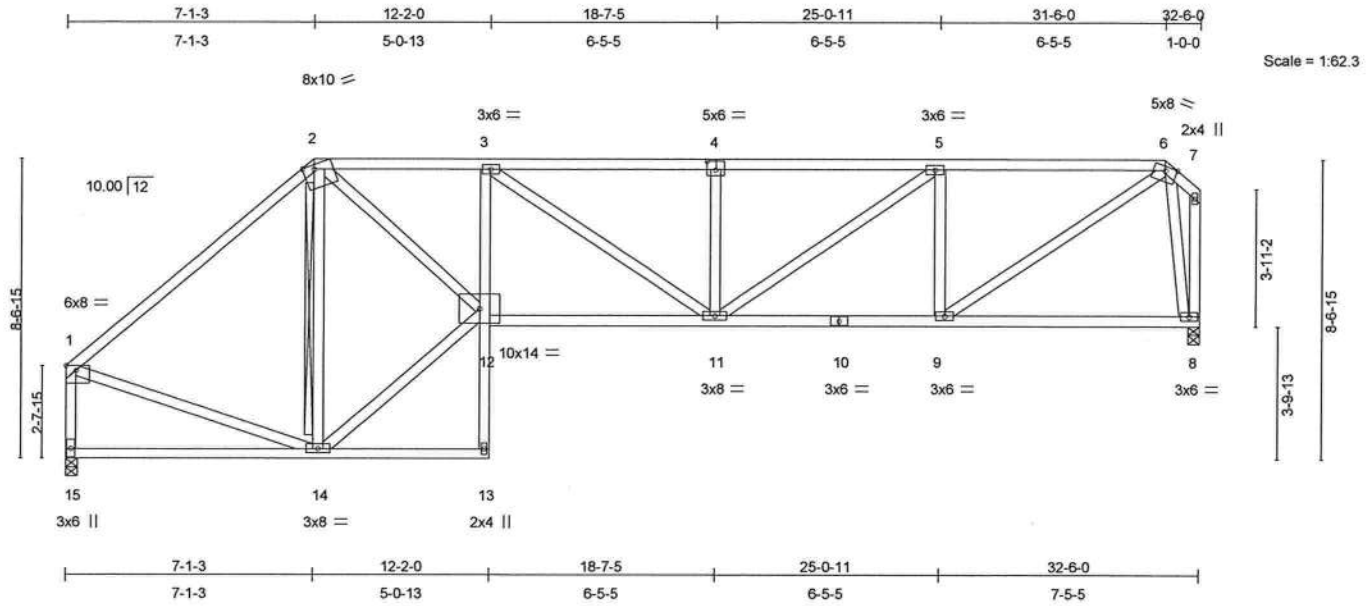


Plate Offsets (X,Y): [1:Edge,0-1-10], [2:0-3-13,Edge], [4:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.76	Vert(LL)	0.16	11-12	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.36	Vert(TL)	-0.26	11-12	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.81	Horz(TL)	0.13	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 214 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except* 3-13 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

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

REACTIONS (lb/size) 15=1031/0-4-0, 8=1031/0-4-0
Max Horz 15=172(load case 6)
Max Uplift 15=-280(load case 5), 8=-361(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1045/504, 2-3=-1853/1126, 3-4=-1866/1085, 4-5=-1866/1085, 5-6=-1351/772, 6-7=-71/68, 1-15=-989/485, 7-8=-95/100
BOT CHORD 14-15=-319/105, 13-14=-13/14, 12-13=0/52, 3-12=-334/223, 11-12=-1114/1885, 10-11=-739/1351, 9-10=-739/1351, 8-9=-126/229
WEBS 2-14=-739/486, 12-14=-586/898, 2-12=-833/1517, 3-11=-62/74, 4-11=-357/260, 5-11=-380/627, 5-9=-712/470, 6-9=-745/1366, 1-14=-203/639, 6-8=-1093/673

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

January 9,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME J1922732
SEAL TRUSSES	T21	SPECIAL	5	1	Job Reference (optional)

JOINT STRESS INDEX

1 = 0.58, 2 = 0.57, 3 = 0.47, 4 = 0.50, 5 = 0.36, 6 = 0.48, 7 = 0.57, 8 = 0.65, 9 = 0.78, 10 = 0.47, 11 = 0.59, 12 = 0.61, 13 = 0.33, 14 = 0.85 and 15 = 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.
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 280 lb uplift at joint 15 and 361 lb uplift at joint 8.

LOAD CASE(S) Standard

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

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME
SEAL TRUSSES	T22	SPECIAL	2	1	J1922733
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Jan 09 13:45:59 2008 Page 1

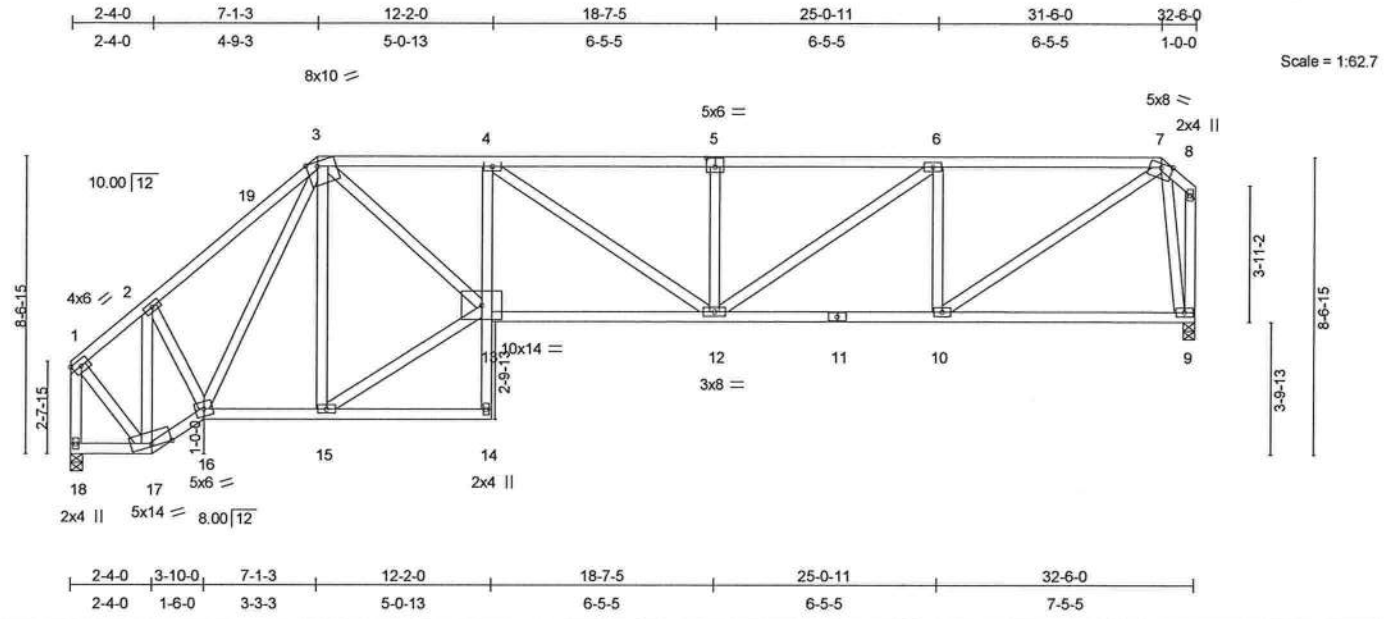


Plate Offsets (X,Y): [3:0-3-13,Edge], [5:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.70	Vert(LL)	0.18	12-13	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.46	Vert(TL)	-0.30	12-13	>999	240		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.88	Horz(TL)	0.16	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 226 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except* 4-14 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-11-15 oc purlins, except end verticals, and 2-0-0 oc purlins (3-8-9 max.): 3-7.
BOT CHORD Rigid ceiling directly applied or 5-7-12 oc bracing.

REACTIONS (lb/size) 18=1943/0-4-0, 9=1109/0-4-0
Max Horz 18=172(load case 6)
Max Uplift 18=-557(load case 5), 9=-386(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1299/573, 2-19=-1815/974, 3-19=-1331/831, 3-4=-2204/1289, 4-5=-2106/1193, 5-6=-2106/1193, 6-7=-1477/830, 7-8=-73/65, 1-18=-1926/872, 8-9=-94/96
BOT CHORD 17-18=-222/23, 16-17=-730/1047, 15-16=-653/1084, 14-15=-17/24, 13-14=0/65, 4-13=-228/177, 12-13=-1275/2241, 11-12=-797/1477, 10-11=-797/1477, 9-10=-133/244
WEBS 2-17=-1567/867, 2-16=-227/524, 3-16=-176/107, 3-15=-609/421, 13-15=-745/1244, 3-13=-805/1490, 4-12=-160/137, 5-12=-359/259, 6-12=-442/765, 6-10=-789/506, 7-10=-807/1501, 1-17=-641/1384, 7-9=-1168/706

JOINT STRESS INDEX
1 = 0.71, 2 = 0.62, 3 = 0.43, 4 = 0.50, 5 = 0.52, 6 = 0.45, 7 = 0.53, 8 = 0.62, 9 = 0.67, 10 = 0.88, 11 = 0.53, 12 = 0.73, 13 = 0.68, 14 = 0.45, 15 = 0.73, 16 = 0.42, 17 = 0.53 and 18 = 0.70

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.

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

January 9,2008

Continued on page 2

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 plates are 3x6 MT20 unless otherwise indicated.
6) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 557 lb uplift at joint 18 and 386 lb uplift at joint 9.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

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

LOAD CASE(S) Standard Except:

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 3-19=-54, 3-7=-54, 7-8=-54, 17-18=-10, 16-17=-10, 14-16=-10, 9-13=-10
   Trapezoidal Loads (plf)
   Vert: 1=-269(F=-60)-to-19=-209

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

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME
SEAL TRUSSES	T23	SPECIAL	3	1	J1922734 Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Jan 09 13:47:16 2008 Page 1

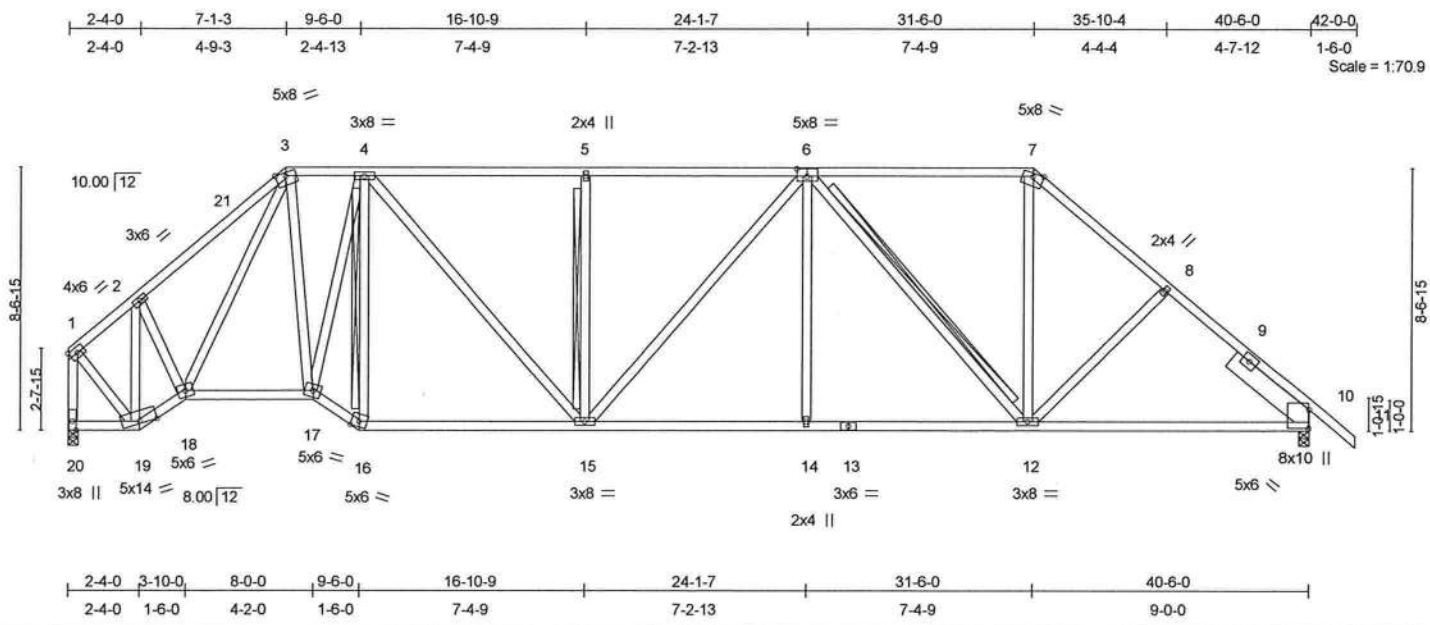


Plate Offsets (X,Y): [6:0-4-0,0-3-0], [10:0-7-6,0-0-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.70	Vert(LL)	0.13	14-15	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.51	Vert(TL)	-0.24	14-15	>999	240		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.59	Horz(TL)	0.12	10	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 297 lb	

LUMBER

TOP CHORD	2 X 4 SYP No.2
BOT CHORD	2 X 4 SYP No.2
WEBS	2 X 4 SYP No.3
SLIDER	Right 2 X 8 SYP No.1D 3-2-8

BRACING

TOP CHORD	Structural wood sheathing directly applied or 3-7-13 oc purlins, except end verticals, and 2-0-0 oc purlins (4-5-3 max.): 3-7.
BOT CHORD	Rigid ceiling directly applied or 8-0-12 oc bracing.
WEBS	T-Brace: 2 X 4 SYP No.3 - 4-16, 5-15, 6-12 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) 20=2218/0-4-0, 10=1436/0-4-0
Max Horz 20=-237(load case 4)
Max Uplift 20=-621(load case 5), 10=-370(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=-1482/685, 2-21=-2114/1056, 3-21=-1628/913, 3-4=-1405/831, 4-5=-1735/1035, 5-6=-1735/1035, 6-7=-1196/764, 7-8=-1567/875, 8-9=-1664/864, 9-10=-1755/852, 10-11=0/26, 1-20=-2196/1034
BOT CHORD	19-20=-155/232, 18-19=-524/1213, 17-18=-503/1333, 16-17=-582/1586, 15-16=-502/1387, 14-15=-610/1669, 13-14=-610/1669, 12-13=-610/1669, 10-12=-457/1179
WEBS	2-19=-1825/799, 2-18=-202/720, 3-17=-324/751, 4-17=-106/203, 4-16=-733/323, 4-15=-278/569, 5-15=-407/293, 6-15=-101/141, 6-14=0/207, 6-12=-769/365, 7-12=-313/610, 8-12=-112/137, 1-19=-764/1586, 3-18=-120/115

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

JOINT STRESS INDEX

1 = 0.81, 2 = 0.72, 3 = 0.57, 4 = 0.69, 5 = 0.34, 6 = 0.40, 7 = 0.68, 8 = 0.34, 9 = 0.00, 10 = 0.62, 10 = 0.65, 12 = 0.57, 13 = 0.54, 14 = 0.34, 15 = 0.57, 16 = 0.65, 17 = 0.51, 18 = 0.43, 19 = 0.60 and 20 = 0.36

January 9,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME
					J1922734
SEAL TRUSSES	T23	SPECIAL	3	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; end vertical right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) 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 621 lb uplift at joint 20 and 370 lb uplift at joint 10.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

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

LOAD CASE(S) Standard Except:

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 3-21=-54, 3-7=-54, 7-11=-54, 19-20=-10, 18-19=-10, 17-18=-10, 16-17=-10, 10-16=-10
   Trapezoidal Loads (plf)
   Vert: 1=-269(F=-60)-to-21=-209

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

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME J1922735
SEAL TRUSSES	T24	HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 03 16:40:33 2008 Page 1

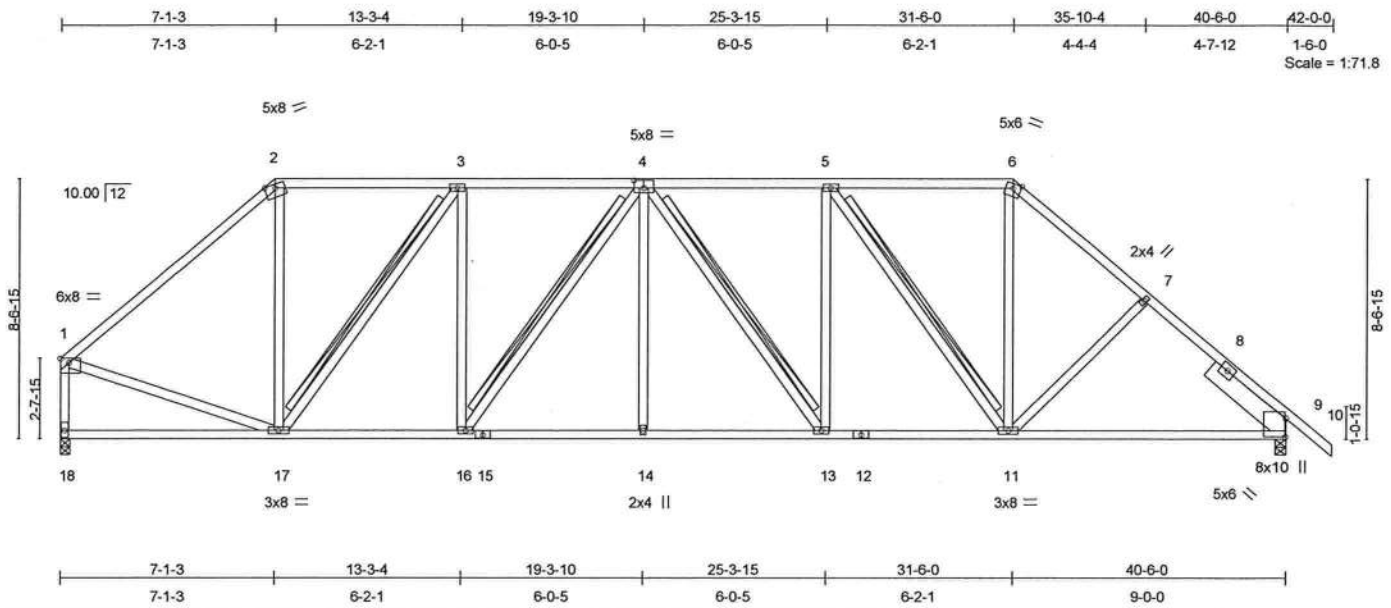


Plate Offsets (X,Y): [1:Edge,0-1-10], [4:0-4-0,0-3-0], [9:0-7-6,0-0-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.80	Vert(LL)	-0.11	9-11	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.46	Vert(TL)	-0.21	9-11	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.50	Horz(TL)	0.08	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 282 lb	

LUMBER

TOP CHORD	2 X 4 SYP No.2
BOT CHORD	2 X 4 SYP No.2
WEBS	2 X 4 SYP No.3
SLIDER	Right 2 X 8 SYP No.1D 3-2-8

BRACING

TOP CHORD	Structural wood sheathing directly applied or 4-5-3 oc purlins, except end verticals, and 2-0-0 oc purlins (5-0-4 max.): 2-6.
BOT CHORD	Rigid ceiling directly applied or 8-4-7 oc bracing.
WEBS	T-Brace: 2 X 4 SYP No.3 - 3-17, 4-16, 4-13, 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) 18=1290/0-4-0, 9=1374/0-4-0
Max Horz 18=-236(load case 4)
Max Uplift 18=-338(load case 5), 9=-350(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=-1332/687, 2-3=-940/643, 3-4=-1399/871, 4-5=-1493/922, 5-6=-1122/730, 6-7=-1480/837, 7-8=-1579/826, 8-9=-1669/815, 9-10=0/26, 1-18=-1249/650
BOT CHORD	17-18=-202/267, 16-17=-492/1399, 15-16=-576/1587, 14-15=-576/1587, 13-14=-576/1587, 12-13=-528/1493, 11-12=-528/1493, 9-11=-431/1121
WEBS	2-17=-162/470, 3-17=-837/386, 3-16=-105/352, 4-16=-342/169, 4-14=0/187, 4-13=-205/121, 5-13=-66/256, 5-11=-690/326, 6-11=-312/590, 7-11=-102/141, 1-17=-305/880

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

January 9,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME J1922735
SEAL TRUSSES	T24	HIP	1	1	Job Reference (optional)

JOINT STRESS INDEX

1 = 0.57, 2 = 0.69, 3 = 0.40, 4 = 0.34, 5 = 0.40, 6 = 0.63, 7 = 0.33, 8 = 0.00, 9 = 0.60, 9 = 0.60, 11 = 0.56, 12 = 0.48, 13 = 0.40 , 14 = 0.33, 15 = 0.52, 16 = 0.40, 17 = 0.79 and 18 = 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; end vertical right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All plates are 3x6 MT20 unless otherwise indicated.
6) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 338 lb uplift at joint 18 and 350 lb uplift at joint 9.
8) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.

LOAD CASE(S) Standard

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

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME J1922736
SEAL TRUSSES	T25	SPECIAL	3	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 03 16:40:34 2008 Page 1

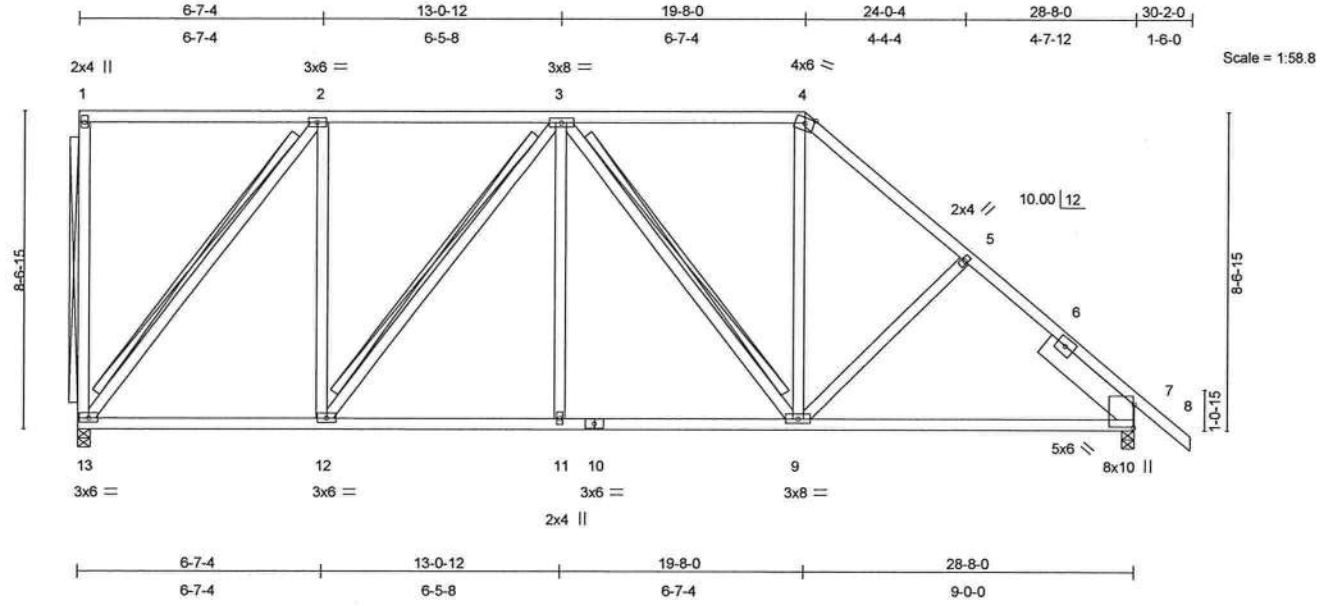


Plate Offsets (X,Y): [7:0-7-6,0-0-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.34	Vert(LL)	-0.10	7-9	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.40	Vert(TL)	-0.18	7-9	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.57	Horz(TL)	0.04	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 204 lb	

LUMBER

TOP CHORD	2 X 4 SYP No.2
BOT CHORD	2 X 4 SYP No.2
WEBS	2 X 4 SYP No.3
SLIDER	Right 2 X 8 SYP No.1D 3-2-8

BRACING

TOP CHORD	Structural wood sheathing directly applied or 5-10-2 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 1-4.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	T-Brace: 2 X 4 SYP No.3 - 1-13, 2-13, 3-12, 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.
JOINTS	1 Brace at Jt(s): 1

REACTIONS (lb/size) 13=911/0-4-0, 7=996/0-4-0
Max Horz 13=-291(load case 7)
Max Uplift 13=-276(load case 5), 7=-200(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-13=-155/110, 1-2=-16/8, 2-3=-578/332, 3-4=-705/466, 4-5=-950/501, 5-6=-1054/494, 6-7=-1144/471, 7-8=0/26
BOT CHORD	12-13=-166/578, 11-12=-206/801, 10-11=-206/801, 9-10=-206/801, 7-9=-197/750
WEBS	2-13=-914/526, 2-12=-146/404, 3-12=-364/246, 3-11=0/176, 3-9=-158/146, 4-9=-96/318, 5-9=-83/177

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

JOINT STRESS INDEX
1 = 0.87, 2 = 0.39, 3 = 0.56, 4 = 0.61, 5 = 0.33, 6 = 0.00, 7 = 0.60, 7 = 0.41, 9 = 0.56, 10 = 0.27, 11 = 0.33, 12 = 0.39 and 13 =

Continued on page 2

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME J1922736
SEAL TRUSSES	T25	SPECIAL	3	1	Job Reference (optional)

NOTES

1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; end vertical 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) 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 276 lb uplift at joint 13 and 200 lb uplift at joint 7.
6) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.

LOAD CASE(S) Standard

Julius Lenz
Truss Design Engineer
Florida PE# No. 34183
1109 Coastal Bay Blvd
Boynton Beach, FL 33435

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME J1922737
SEAL TRUSSES	T26	SCISSOR	3	1	Job Reference (optional)

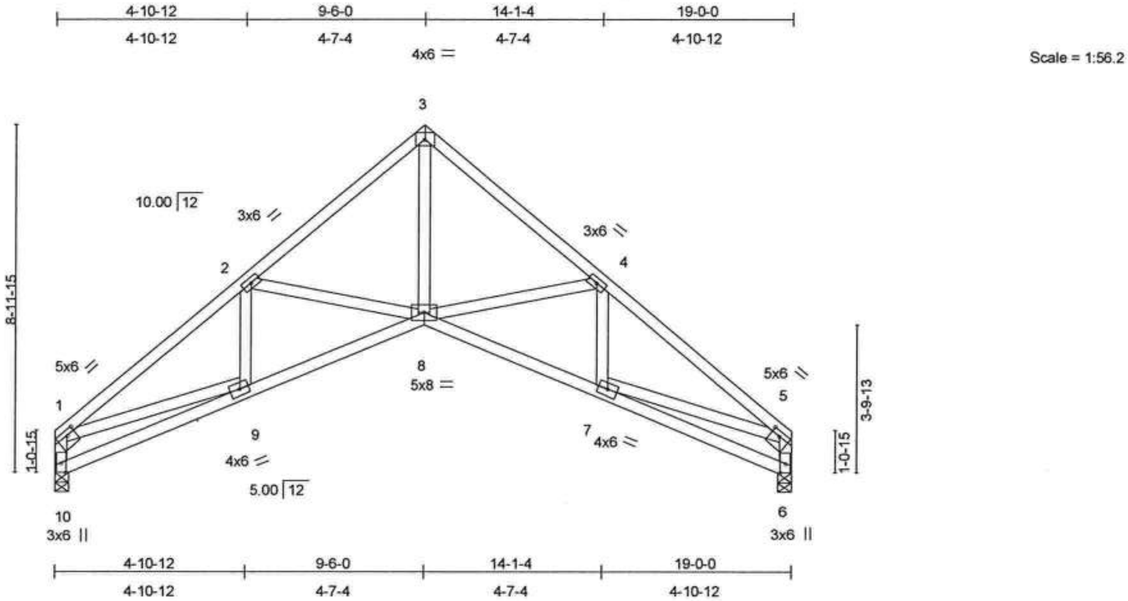


Plate Offsets (X,Y): [1:0-2-12,0-1-8], [5:0-2-12,0-1-8]

LOADING (psf)		**SPACING**	2-0-0	**CSI**		**DEFL**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	20.0	Plates Increase	1.25	TC	0.67	Vert(LL)	0.13	7-8	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.18	Vert(TL)	-0.08	7-8	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.54	Horz(TL)	-0.12	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 113 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-1-15 oc bracing.

REACTIONS (lb/size) 10=599/0-4-0, 6=599/0-4-0
Max Horz 10=-217(load case 4)
Max Uplift 10=-349(load case 6), 6=-349(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1073/1650, 2-3=-864/1195, 3-4=-864/1195, 4-5=-1073/1650, 1-10=-630/951, 5-6=-630/951
BOT CHORD 9-10=-336/211, 8-9=-1012/833, 7-8=-1012/833, 6-7=-273/170
WEBS 2-9=-245/55, 2-8=-202/524, 3-8=-1345/752, 4-8=-202/524, 4-7=-245/55, 1-9=-858/621, 5-7=-858/621

JOINT STRESS INDEX
1 = 0.79, 2 = 0.43, 3 = 0.43, 4 = 0.43, 5 = 0.79, 6 = 0.65, 7 = 0.28, 8 = 0.49, 9 = 0.28 and 10 = 0.65

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.

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

Continued on page 2

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME
					J1922737
SEAL TRUSSES	T26	SCISSOR	3	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) Bearing at joint(s) 10, 6 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 349 lb uplift at joint 10 and 349 lb uplift at joint 6.

LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1326 Coastal Bay Blvd
Boynton Beach, FL 33435

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME J1922738
SEAL TRUSSES	T26G	GABLE	3	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 03 16:40:36 2008 Page 1

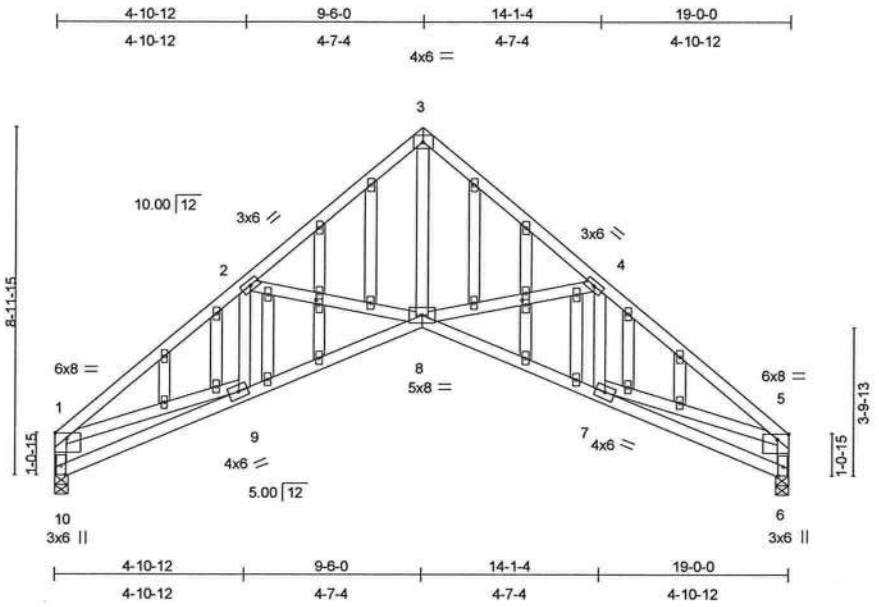


Plate Offsets (X,Y): [1:Edge,0-1-10], [5:0-3-8,Edge], [13:0-1-8,0-1-0], [26:0-1-8,0-1-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.80	Vert(LL)	0.15	8-9	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.22	Vert(TL)	-0.09	7-8	>999	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.62	Horz(TL)	-0.14	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 149 lb	

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied or 5-6-10 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 5-7-0 oc bracing.

REACTIONS (lb/size) 10=692/0-4-0, 6=692/0-4-0
Max Horz 10=-271(load case 4)
Max Uplift 10=-553(load case 6), 6=-553(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=-1243/1917, 2-3=-1001/1407, 3-4=-1001/1407, 4-5=-1243/1917, 1-10=-732/1127, 5-6=-732/1127
BOT CHORD	9-10=-424/257, 8-9=-1234/962, 7-8=-1234/962, 6-7=-317/195
WEBS	2-9=-210/40, 2-8=-226/566, 3-8=-1535/863, 4-8=-226/566, 4-7=-210/40, 1-9=-1025/718, 5-7=-1025/718

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

JOINT STRESS INDEX

1 = 0.50, 2 = 0.43, 3 = 0.50, 4 = 0.43, 5 = 0.50, 6 = 0.69, 7 = 0.28, 8 = 0.49, 9 = 0.28, 10 = 0.69, 11 = 0.33, 12 = 0.33, 13 = 0.45, 13 = 0.33, 14 = 0.33, 15 = 0.33, 16 = 0.33, 17 = 0.33, 18 = 0.33, 19 = 0.33, 20 = 0.33, 21 = 0.33, 22 = 0.33, 23 = 0.33, 24 = 0.33, 25 = 0.33, 26 = 0.45, 26 = 0.33, 27 = 0.33, 28 = 0.33, 29 = 0.33, 30 = 0.33, 31 = 0.33 and 32 = 0.33

NOTES

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

Continued on page 2

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME J1922738
SEAL TRUSSES	T26G	GABLE	3	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 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.
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable studs spaced at 1-4-0 oc.
7) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
8) Bearing at joint(s) 10, 6 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 553 lb uplift at joint 10 and 553 lb uplift at joint 6.
10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
11) Gable truss supports 1' 0" max. rake gable overhang.

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-64(F=-10), 3-5=-64(F=-10), 8-10=-10, 6-8=-10

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

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME
SEAL TRUSSES	T27	COMMON	1	1	J1922739
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 03 16:40:37 2008 Page 1

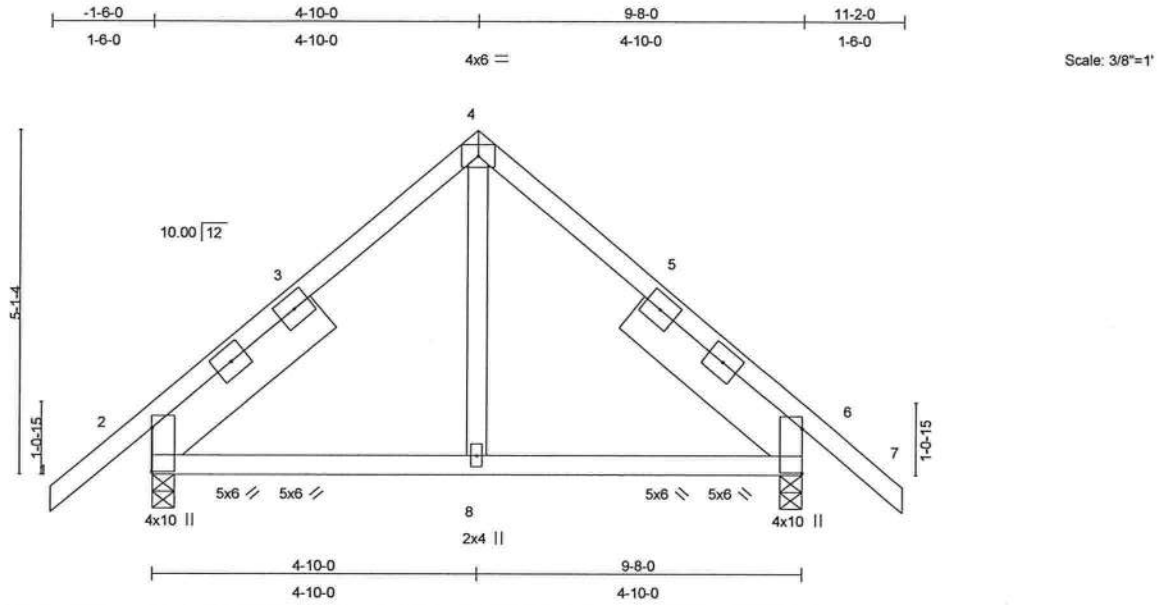


Plate Offsets (X,Y): [2:Edge,0-0-0], [6:Edge,0-0-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.19	Vert(LL)	0.02	6-8	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.13	Vert(TL)	-0.01	6-8	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.11	Horz(TL)	0.00	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 67 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 3-3-12, Right 2 X 8 SYP No.1D 3-3-12

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=390/0-4-0, 6=390/0-4-0
Max Horz 2=132(load case 5)
Max Uplift 2=-247(load case 6), 6=-247(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=0/26, 2-3=-328/362, 3-4=-215/385, 4-5=-215/385, 5-6=-328/362, 6-7=0/26
BOT CHORD	2-8=-119/165, 6-8=-119/165
WEBS	4-8=-289/147

JOINT STRESS INDEX

2 = 0.31, 2 = 0.06, 2 = 0.06, 3 = 0.00, 4 = 0.38, 5 = 0.00, 6 = 0.31, 6 = 0.06, 6 = 0.06 and 8 = 0.10

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; end vertical left and right exposed; 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.

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

January 9,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME J1922739
SEAL TRUSSES	T27	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 247 lb uplift at joint 2 and 247 lb uplift at joint 6.

LOAD CASE(S) Standard

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

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME
SEAL TRUSSES	T27G	GABLE	1	1	J1922740
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 03 16:40:38 2008 Page 1

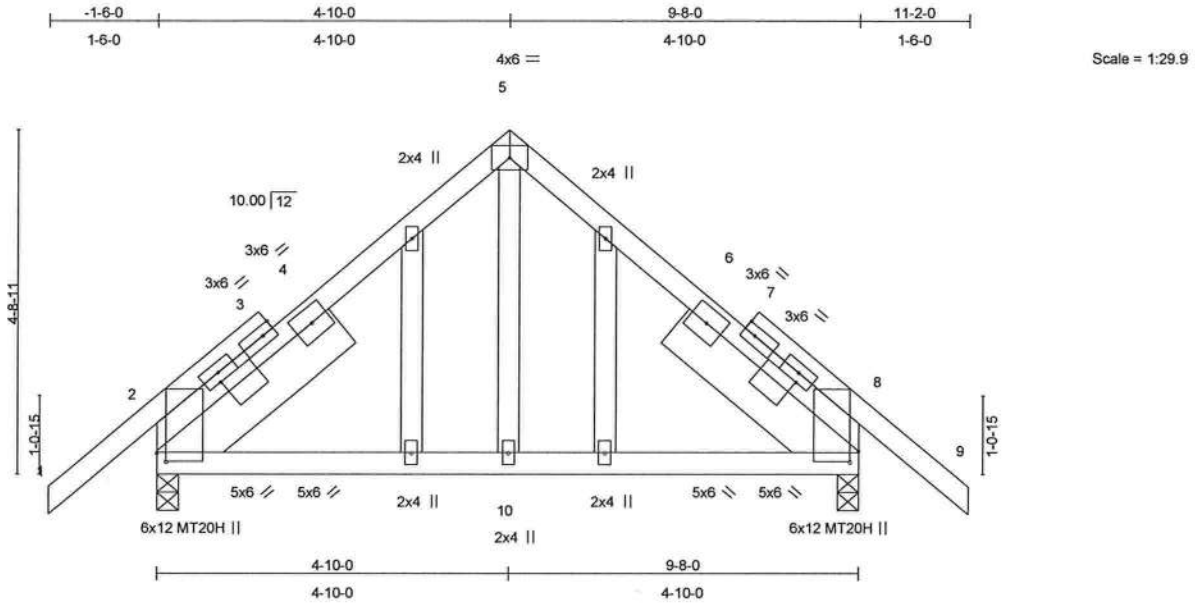


Plate Offsets (X,Y): [2:0-1-8,0-1-8], [2:1-3-8,0-2-4], [8:0-1-13,0-1-8], [8:1-3-5,0-2-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.22	Vert(LL)	0.02	8-10	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.13	Vert(TL)	-0.01	8-10	>999	240	MT20H	187/143
BCLL	10.0	* Rep Stress Incr	NO	WB	0.09	Horz(TL)	0.00	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 80 lb	

LUMBER

TOP CHORD	2 X 4 SYP No.2
BOT CHORD	2 X 4 SYP No.2
WEBS	2 X 4 SYP No.3
OTHERS	2 X 4 SYP No.3
SLIDER	Left 2 X 8 SYP No.1D 3-0-13, Right 2 X 8 SYP No.1D 3-0-13

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=451/0-3-8, 8=451/0-3-8
Max Horz 2=-143(load case 4)
Max Uplift 2=-357(load case 6), 8=-357(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=0/52, 2-3=-332/347, 3-4=-276/350, 4-5=-232/360, 5-6=-232/360, 6-7=-276/350, 7-8=-332/347, 8-9=0/52
BOT CHORD	2-10=-125/180, 8-10=-125/180
WEBS	5-10=-251/120

JOINT STRESS INDEX

2 = 0.88, 2 = 0.01, 2 = 0.01, 3 = 0.00, 3 = 0.02, 3 = 0.07, 4 = 0.00, 5 = 0.38, 6 = 0.00, 7 = 0.00, 7 = 0.07, 7 = 0.02, 8 = 0.88, 8 = 0.01, 8 = 0.01, 10 = 0.10, 11 = 0.00, 12 = 0.00, 13 = 0.00 and 14 = 0.00

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

NOTES

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

January 9,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME
					J1922740
SEAL TRUSSES	T27G	GABLE	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 gable end zone and C-C Exterior(2) zone; end vertical left and right exposed; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All plates are MT20 plates unless otherwise indicated.
6) The following joint(s) require plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection: 2 and 8.
7) Gable studs spaced at 1-4-0 oc.
8) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 357 lb uplift at joint 2 and 357 lb uplift at joint 8.
10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
11) Gable truss supports 1' 0" max. rake gable overhang.

LOAD CASE(S) Standard

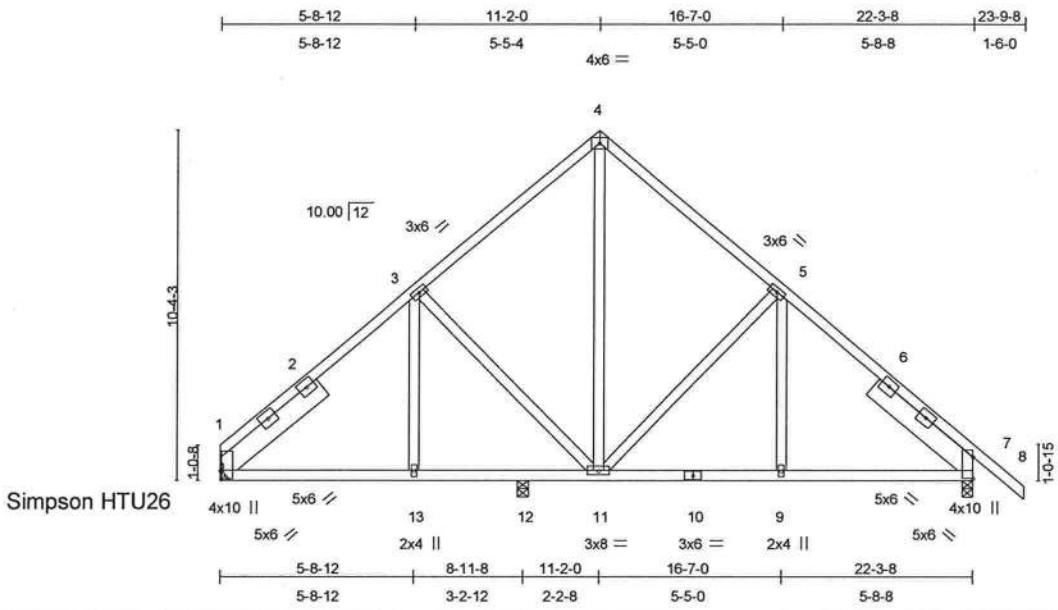
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 2-8=-10, 1-5=-64(F=-10), 5-9=-64(F=-10)

Julius Lee
Truss Design Engineer
Florida PE No. 34369
1109 Coastal Bay Blvd
Boynton Beach, FL 33435

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME
SEAL TRUSSES	T28	COMMON	3	1	J1922741 Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 03 16:40:39 2008 Page 1



Simpson HTU26

Plate Offsets (X,Y): [1:0-3-0,0-0-4], [7:Edge,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	0.32	Vert(LL)	0.07	1-13	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.22	Vert(TL)	-0.06	9-11	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.76	Horz(TL)	0.02	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 156 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 3-10-7, Right 2 X 8 SYP No.1D 3-10-9

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=656/Mechanical, 7=760/0-4-0, 12=91/0-4-0
Max Horz 1=-288(load case 4)
Max Uplift 1=-298(load case 6), 7=-236(load case 7), 12=-33(load case 6)
Max Grav 1=656(load case 1), 7=760(load case 1), 12=101(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=-779/630, 2-3=-611/659, 3-4=-565/503, 4-5=-563/502, 5-6=-726/479, 6-7=-834/458, 7-8=0/26
BOT CHORD	1-13=-326/510, 12-13=-326/510, 11-12=-326/510, 10-11=-174/525, 9-10=-174/525, 7-9=-174/525
WEBS	3-13=-227/115, 3-11=-235/455, 4-11=-431/301, 5-11=-248/241, 5-9=0/175

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1103 Coastal Bay Blvd
Boynton Beach, FL 33435

JOINT STRESS INDEX

1 = 0.71, 1 = 0.14, 1 = 0.14, 2 = 0.00, 3 = 0.43, 4 = 0.48, 5 = 0.43, 6 = 0.00, 7 = 0.61, 7 = 0.15, 7 = 0.15, 9 = 0.33, 10 = 0.23, 11 = 0.56 and 13 = 0.33

NOTES

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

Continued on page 2

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME J1922741
SEAL TRUSSES	T28	COMMON	3	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; end vertical right exposed; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) *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 298 lb uplift at joint 1, 236 lb uplift at joint 7 and 33 lb uplift at joint 12.

LOAD CASE(S) Standard

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

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME
SEAL TRUSSES	T28G	GABLE	1	1	J1922742
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Jan 09 13:50:04 2008 Page 1

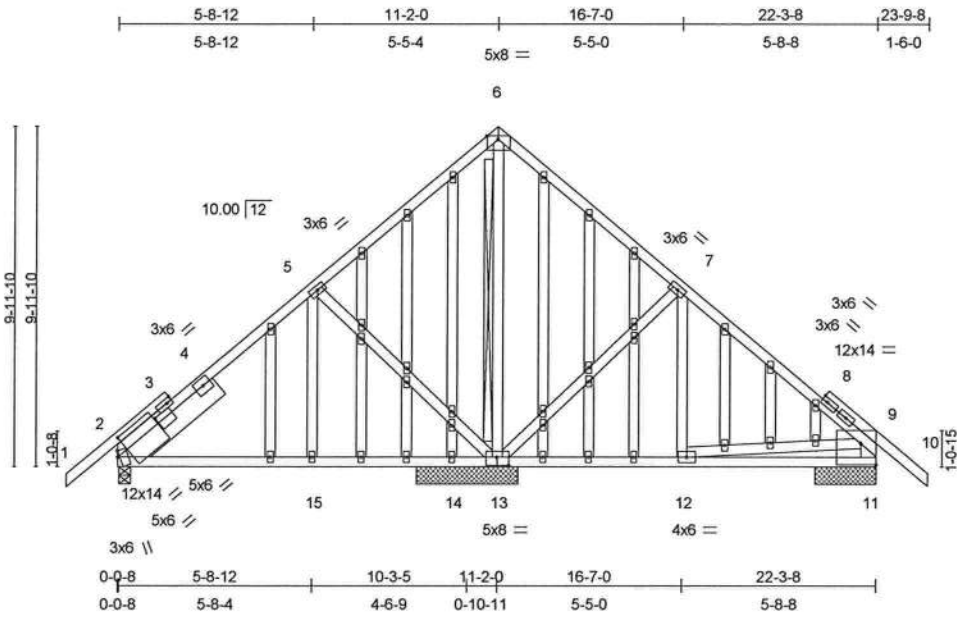


Plate Offsets (X,Y): [2:0-4-4,0-5-4], [2:1-6-11,0-2-0], [2:Edge,0-0-10], [9:Edge,0-7-8], [13:0-4-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.38	Vert(LL)	0.06	2-15	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.19	Vert(TL)	-0.03	2-15	>999	240		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.41	Horz(TL)	0.01	11	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 237 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* 9-11 2 X 6 SYP No.1D
OTHERS	2 X 4 SYP No.3
SLIDER	Left 2 X 8 SYP No.1D 3-7-7

BRACING

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	T-Brace: 2 X 4 SYP No.3 - 6-13 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=706/0-4-0, 13=1104/2-11-11, 11=701/1-9-11, 14=8/2-11-11
Max Horz 2=-355(load case 4)
Max Uplift 2=-579(load case 6), 13=-766(load case 6), 11=-464(load case 7), 14=-62(load case 4)
Max Grav 2=713(load case 10), 13=1104(load case 1), 11=701(load case 1), 14=40(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=-32/75, 2-3=-565/545, 3-4=-453/503, 4-5=-407/487, 5-6=-173/183, 6-7=-161/175, 7-8=-278/240, 8-9=-547/348, 9-10=-40/92, 9-11=-674/584
BOT CHORD	2-15=-350/314, 14-15=-355/312, 13-14=-355/312, 12-13=-52/303, 11-12=-220/327
WEBS	5-15=-243/145, 5-13=-419/672, 6-13=-494/314, 7-13=-423/451, 7-12=0/173, 9-12=-53/215

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

JOINT STRESS INDEX

2 = 0.80, 2 = 0.11, 2 = 0.09, 2 = 0.61, 3 = 0.00, 3 = 0.00, 3 = 0.15, 4 = 0.00, 5 = 0.45, 6 = 0.80, 7 = 0.45, 8 = 0.00, 8 = 0.34, 8 = 0.47, 8 = 0.47, 9 = 0.45, 11 = 0.00, 12 = 0.26, 13 = 0.39, 14 = 0.34, 15 = 0.34, 16 = 0.34, 16 = 0.34, 17 = 0.34, 18 = 0.34, 18 = 0.34, 19 = 0.34, 20 = 0.34, 21 = 0.34, 21 = 0.34, 22 = 0.34, 23 = 0.34, 24 = 0.34, 25 = 0.34, 26 = 0.34, 27 = 0.34, 28 = 0.34, 28 = 0.34, 29 = 0.34, 30 = 0.34, 31 = 0.34, 31 = 0.34, 32 = 0.34, 33 = 0.34, 34 = 0.34, 34 = 0.34, 35 = 0.34, 36 = 0.34, 37 = 0.34, 38 = 0.34 and 39 = 0.34 January 9,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME
					J1922742
SEAL TRUSSES	T28G	GABLE	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 gable end zone and C-C Exterior(2) zone; end vertical left and right exposed; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable studs spaced at 1-4-0 oc.
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 579 lb uplift at joint 2, 766 lb uplift at joint 13, 464 lb uplift at joint 11 and 62 lb uplift at joint 14.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
10) Gable truss supports 1' 0" max. rake gable overhang.

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-6=-91(F=-37), 6-9=-91(F=-37), 9-10=-91(F=-37), 2-11=-10

Julius Lee
Truss Design Engineer
Florida PE# No. 34836
1109 Coastal Bay Blvd
Boynton Beach, FL 33435

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME J1922743
SEAL TRUSSES	T29	COMMON	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 03 16:40:41 2008 Page 1

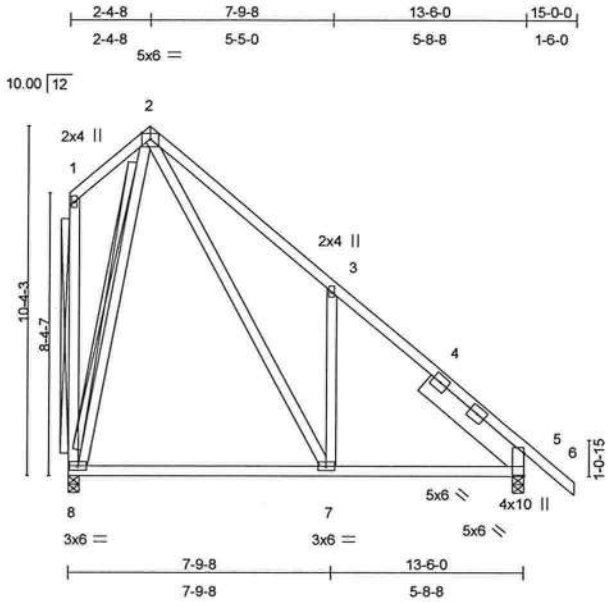


Plate Offsets (X,Y): [5:Edge,0-0-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	-0.08	7-8	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.30	Vert(TL)	-0.14	7-8	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.98	Horz(TL)	0.01	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 112 lb	

LUMBER

TOP CHORD	2 X 4 SYP No.2
BOT CHORD	2 X 4 SYP No.2
WEBS	2 X 4 SYP No.3
SLIDER	Right 2 X 8 SYP No.1D 3-10-9

BRACING

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	T-Brace: 2 X 4 SYP No.3 - 1-8, 2-8

Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 8=423/0-4-0, 5=513/0-4-0
Max Horz 8=-309(load case 7)
Max Uplift 8=-185(load case 7), 5=-88(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=-40/60, 2-3=-456/355, 3-4=-299/63, 4-5=-490/44, 5-6=0/26, 1-8=-56/43
BOT CHORD	7-8=-26/334, 5-7=0/277
WEBS	2-7=-430/406, 3-7=-281/411, 2-8=-375/327

JOINT STRESS INDEX

1 = 0.28, 2 = 0.38, 3 = 0.20, 4 = 0.00, 5 = 0.30, 5 = 0.09, 5 = 0.09, 7 = 0.32 and 8 = 0.49

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

NOTES

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

Continued on page 2

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME
					J1922743
SEAL TRUSSES	T29	COMMON	2	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; end vertical right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 185 lb uplift at joint 8 and 88 lb uplift at joint 5.

LOAD CASE(S) Standard

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

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME
SEAL TRUSSES	T30	MONO TRUSS	6	1	J1922744 Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 03 16:40:41 2008 Page 1

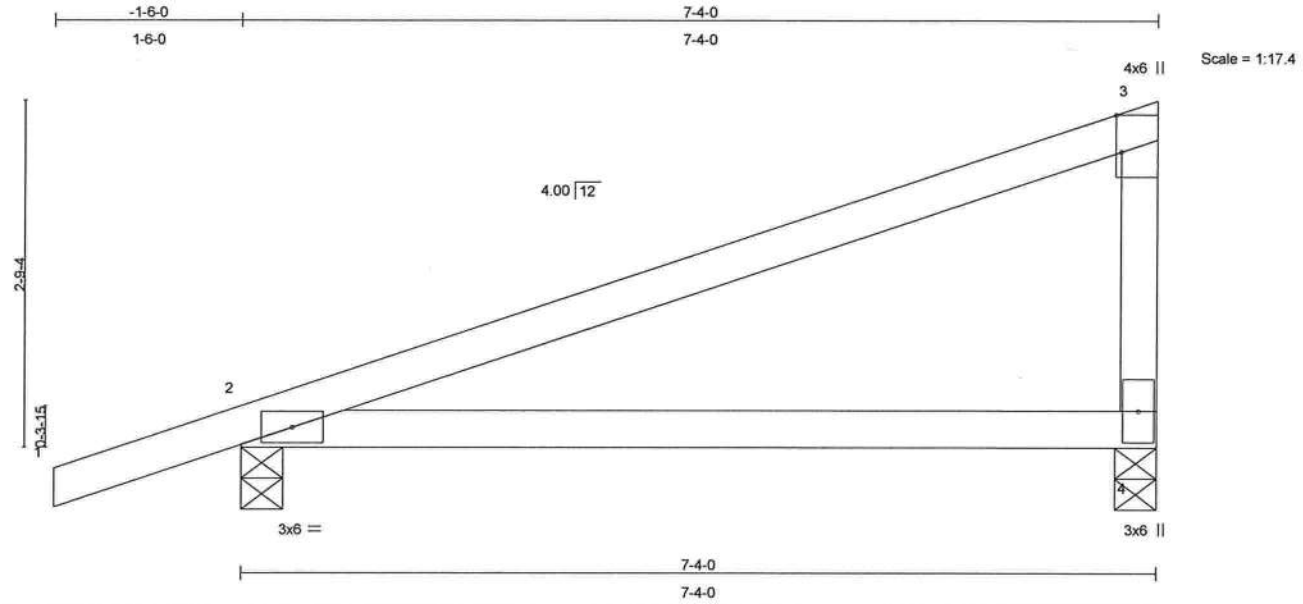


Plate Offsets (X,Y): [3:0-3-8,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.89	Vert(LL)	0.19	2-4	>446	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.29	Vert(TL)	-0.10	2-4	>846	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	4	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 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 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 4=214/0-4-0, 2=325/0-4-0
Max Horz 2=102(load case 4)
Max Uplift 4=-154(load case 4), 2=-216(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/24, 2-3=-189/165, 3-4=-154/174
BOT CHORD 2-4=-234/123

JOINT STRESS INDEX
2 = 0.49, 3 = 0.68 and 4 = 0.75

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; 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 154 lb uplift at joint 4 and 216 lb uplift at joint 2.

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

January 9,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME J1922744
SEAL TRUSSES	T30	MONO TRUSS	6	1	Job Reference (optional)

LOAD CASE(S) Standard

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

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME J1922745
SEAL TRUSSES	T31	MONO TRUSS	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 03 16:40:42 2008 Page 1

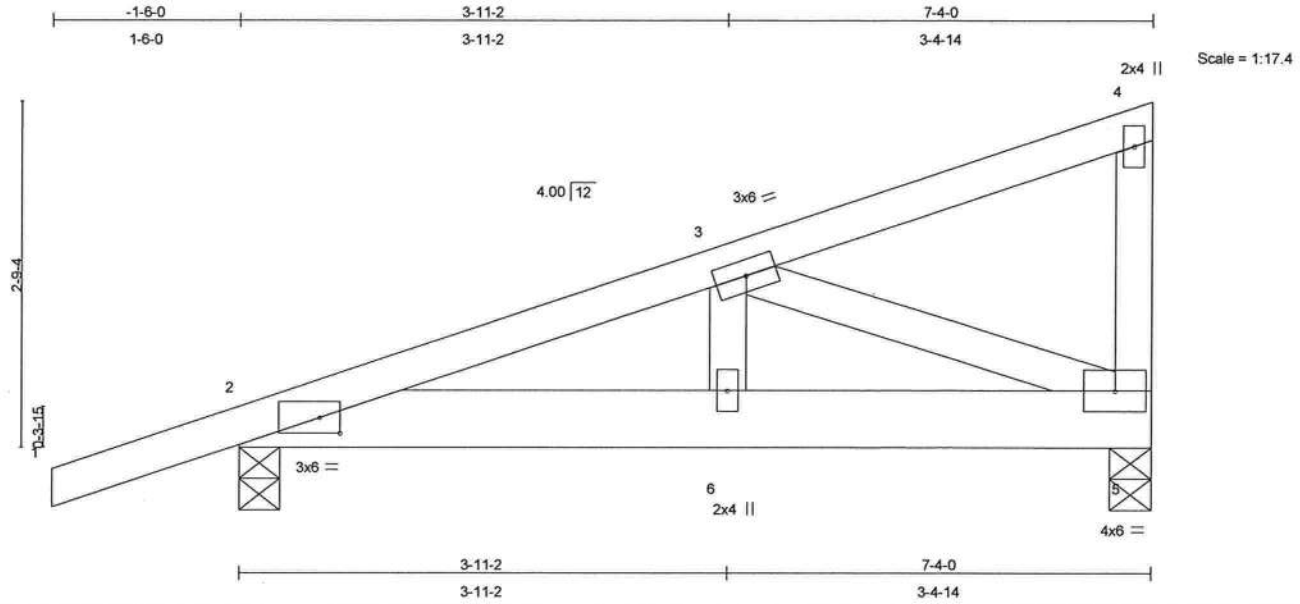


Plate Offsets (X,Y): [2:0-2-0,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.22	Vert(LL)	0.02	2-6	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.21	Vert(TL)	-0.03	2-6	>999	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.21	Horz(TL)	0.01	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 6 SYP No.1D
WEBS 2 X 4 SYP No.3

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

REACTIONS (lb/size) 5=577/0-4-0, 2=688/0-4-0
Max Horz 2=103(load case 3)
Max Uplift 5=-254(load case 3), 2=-318(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/28, 2-3=-928/333, 3-4=-74/8, 4-5=-76/38
BOT CHORD 2-6=-366/850, 5-6=-366/850
WEBS 3-6=-174/392, 3-5=-862/369

JOINT STRESS INDEX
2 = 0.43, 3 = 0.28, 4 = 0.48, 5 = 0.24 and 6 = 0.28

NOTES
1) 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.
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 254 lb uplift at joint 5 and 318 lb uplift at joint 2.
5) Girder carries tie-in span(s): 8-9-8 from 0-0-0 to 7-4-0

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

January 9,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME
					J1922745
SEAL TRUSSES	T31	MONO TRUSS	1	1	Job Reference (optional)

NOTES

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

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-4=-54, 2-5=-113(F=-103)

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

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME
SEAL TRUSSES	T32	COMMON	2	1	J1922746
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 03 16:40:42 2008 Page 1

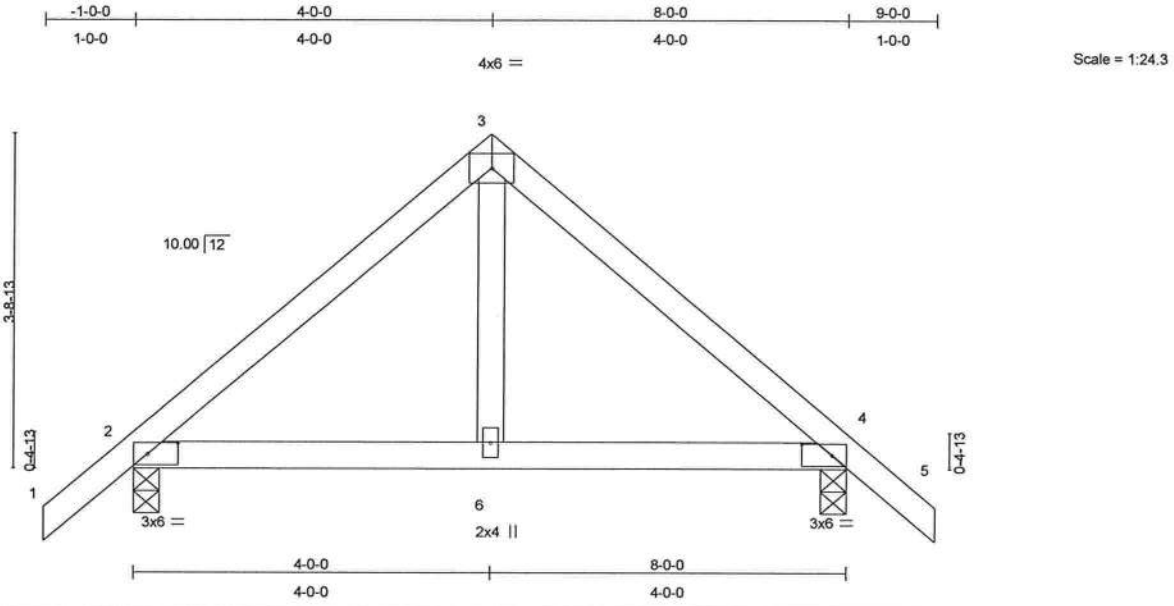


Plate Offsets (X,Y): [2:0-4-1,0-1-8], [4:0-4-1,0-1-8]

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	2-6	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.08	Vert(TL)	-0.01	4-6	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.04	Horz(TL)	0.00	4	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 37 lb	

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

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

REACTIONS (lb/size) 2=309/0-3-8, 4=309/0-3-8
Max Horz 2=-93(load case 4)
Max Uplift 2=-101(load case 6), 4=-101(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/34, 2-3=-274/122, 3-4=-274/122, 4-5=0/34
BOT CHORD 2-6=-5/158, 4-6=-5/158
WEBS 3-6=0/133

JOINT STRESS INDEX
2 = 0.32, 3 = 0.29, 4 = 0.32 and 6 = 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 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

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

January 9,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME
					J1922746
SEAL TRUSSES	T32	COMMON	2	1	Job Reference (optional)

NOTES

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 101 lb uplift at joint 2 and 101 lb uplift at joint 4.

LOAD CASE(S) Standard

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

January 9,2008

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME
SEAL TRUSSES	T32G	GABLE	1	1	J1922747 Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 03 16:40:43 2008 Page 1

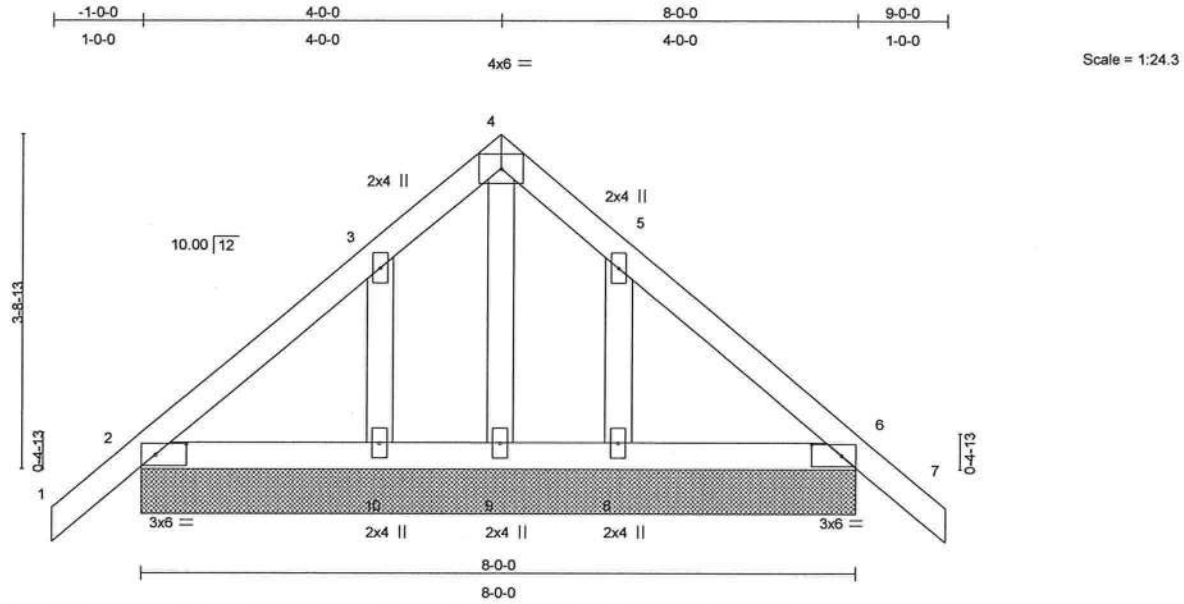


Plate Offsets (X,Y): [2:0-4-1,0-1-8], [6:0-4-1,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.08	Vert(LL)	-0.00	6	n/r	120	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.03	Vert(TL)	0.00	6	n/r	90		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.04	Horz(TL)	0.00	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 43 lb	

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

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

REACTIONS (lb/size) 2=142/8-0-0, 6=142/8-0-0, 9=28/8-0-0, 10=154/8-0-0, 8=154/8-0-0
Max Horz 2=-93(load case 4)
Max Uplift 2=-50(load case 6), 6=-64(load case 7), 10=-79(load case 6), 8=-77(load case 7)
Max Grav 2=142(load case 1), 6=142(load case 1), 9=67(load case 7), 10=155(load case 10), 8=155(load case 11)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/33, 2-3=-65/61, 3-4=-41/105, 4-5=-41/105, 5-6=-55/41, 6-7=0/33
BOT CHORD 2-10=-4/121, 9-10=-4/121, 8-9=-4/121, 6-8=-4/121
WEBS 4-9=-91/0, 3-10=-123/150, 5-8=-123/150

JOINT STRESS INDEX
2 = 0.12, 3 = 0.07, 4 = 0.04, 5 = 0.07, 6 = 0.12, 8 = 0.08, 9 = 0.03 and 10 = 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.

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

January 9,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	AARON SIMQUE / GEORGIA HOME
					J1922747
SEAL TRUSSES	T32G	GABLE	1	1	Job Reference (optional)

NOTES

3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 1-4-0 oc.
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 50 lb uplift at joint 2, 64 lb uplift at joint 6, 79 lb uplift at joint 10 and 77 lb uplift at joint 8.

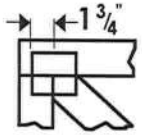
LOAD CASE(S) Standard

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

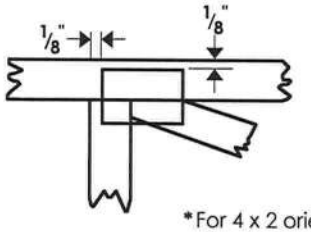
January 9,2008

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

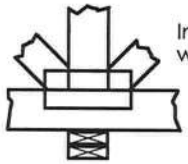
4 x 4

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

LATERAL BRACING

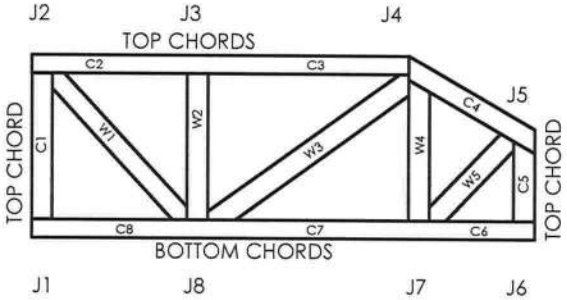
Indicates location of required continuous lateral bracing.

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' 8"	11' 8"
	SP DFL	#1	3' 8"	5' 10"	6' 3"	6' 11"	7' 5"	8' 3"	8' 11"	10' 10"	11' 8"	12' 11"	13' 11"
		#2	3' 7"	5' 10"	6' 3"	6' 11"	7' 5"	8' 3"	8' 11"	10' 10"	11' 8"	12' 11"	13' 11"
		#3	3' 6"	5' 0"	6' 0"	6' 8"	6' 8"	8' 3"	8' 8"	10' 4"	10' 4"	12' 11"	13' 7"
		STUD	3' 6"	5' 0"	5' 0"	6' 7"	6' 7"	8' 3"	8' 8"	10' 3"	10' 3"	12' 11"	13' 7"
		STANDARD	3' 4"	4' 3"	4' 3"	5' 8"	5' 8"	7' 8"	7' 8"	8' 10"	8' 10"	12' 0"	12' 0"
16" O.C.	SPF HF	#1 / #2	3' 10"	6' 8"	6' 10"	7' 11"	8' 1"	9' 6"	9' 8"	12' 6"	12' 9"	14' 0"	14' 0"
		#3	3' 9"	6' 0"	6' 0"	7' 11"	7' 11"	9' 5"	9' 5"	12' 4"	12' 4"	14' 0"	14' 0"
		STUD	3' 9"	6' 0"	6' 0"	7' 11"	7' 11"	9' 5"	9' 5"	12' 4"	12' 4"	14' 0"	14' 0"
		STANDARD	3' 9"	5' 2"	5' 2"	6' 10"	6' 10"	9' 2"	9' 2"	10' 7"	10' 7"	14' 0"	14' 0"
	SP DFL	#1	4' 3"	6' 8"	7' 2"	7' 11"	8' 6"	9' 5"	10' 2"	12' 5"	13' 5"	14' 0"	14' 0"
		#2	4' 2"	6' 8"	7' 2"	7' 11"	8' 6"	9' 5"	10' 2"	12' 5"	13' 5"	14' 0"	14' 0"
		#3	4' 0"	6' 2"	6' 2"	7' 11"	8' 2"	9' 5"	9' 11"	12' 5"	12' 8"	14' 0"	14' 0"
		STUD	4' 0"	6' 1"	6' 1"	7' 11"	8' 1"	9' 5"	9' 11"	12' 5"	12' 5"	14' 0"	14' 0"
		STANDARD	3' 10"	5' 3"	5' 3"	6' 11"	6' 11"	9' 4"	9' 4"	10' 10"	10' 10"	14' 0"	14' 0"
12" O.C.	SPF HF	#1 / #2	4' 3"	7' 4"	7' 7"	8' 9"	8' 11"	10' 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"	6' 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:

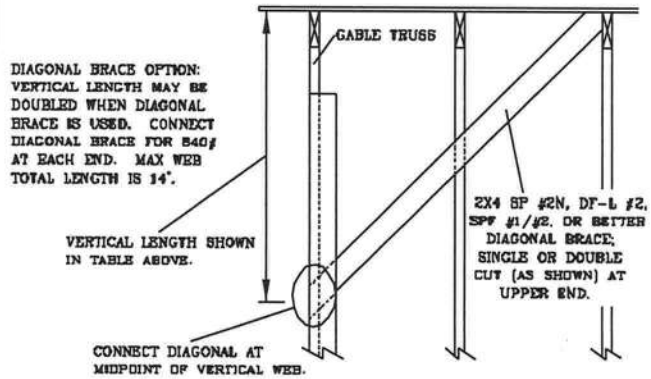
SPRUCE-PINE-FIR		HEM-FIR	
#1 / #2	STANDARD	#2	STUD
#3	STUD	#3	STANDARD

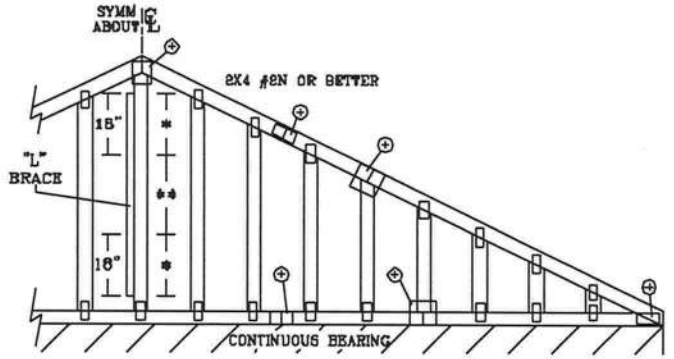
DOUGLAS FIR-LARCH	SOUTHERN PINE
#3	#3
STUD	STUD
STANDARD	STANDARD

GROUP B:

HEM-FIR
#1 & BTR
#1

SOUTHERN PINE	DOUGLAS FIR-LARCH
#1	#1
#2	#2





REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.

GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

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

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

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

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

GABLE VERTICAL PLATE SIZES

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

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

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

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

No: 34869
STATE OF FLORIDA

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

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

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

MAX GABLE VERTICAL LENGTH

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

BRACING GROUP SPECIES AND GRADES:

GROUP A:

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

HEM-FIR	
#2	STUD
#3	STANDARD

DOUGLAS FIR-LARCH
#3
STUD
STANDARD

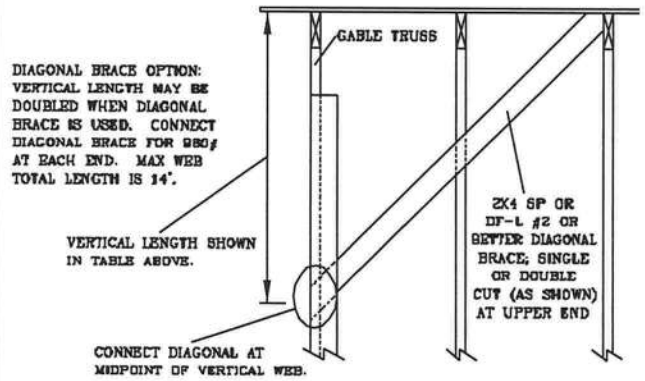
SOUTHERN PINE
#3
STUD
STANDARD

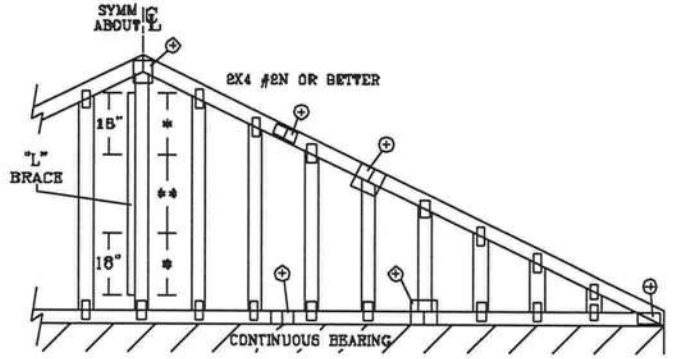
GROUP B:

HEM-FIR
#1 & BTR
#1

SOUTHERN PINE
#1
#2

DOUGLAS FIR-LARCH
#1
#2





REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.

GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

PROVIDE UPLIFT CONNECTIONS FOR 180 PLF OVER CONTINUOUS BEARING (5 PSF TC DEAD LOAD).

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

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

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

GABLE VERTICAL PLATE SIZES

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

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

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

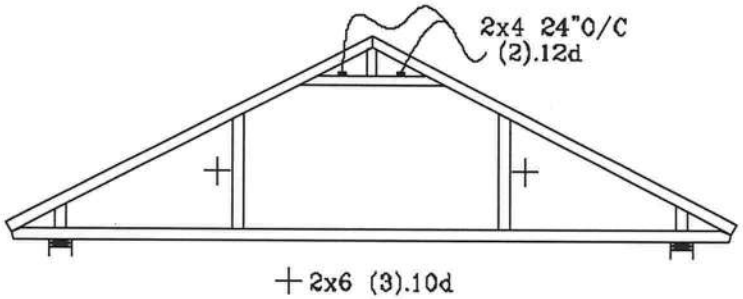
JULIUS LEE'S
CONS. ENGINEERS P.A.
1456 SW 4th AVENUE
DELRAY BEACH, FL. 33444-2161
No: 34869
STATE OF FLORIDA

MAX. TOT. LD. 60 PSF

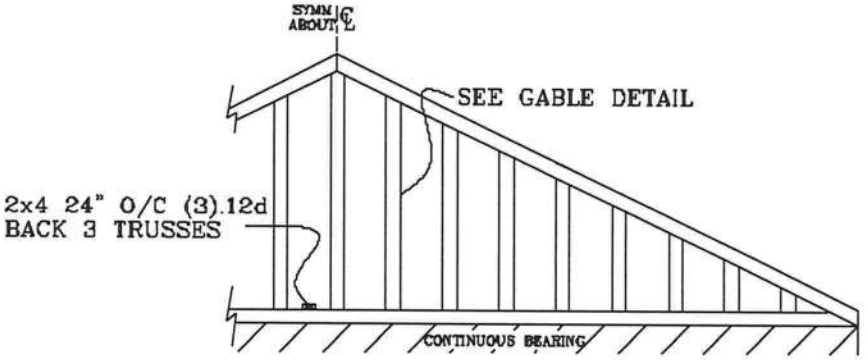
MAX. SPACING 24.0"

REF ASCE7-02-GAB13030
DATE 11/26/03
DWG MITEK STD GABLE 90' E H7
-ENG

TYPICAL ATTIC TRUSS BRACING

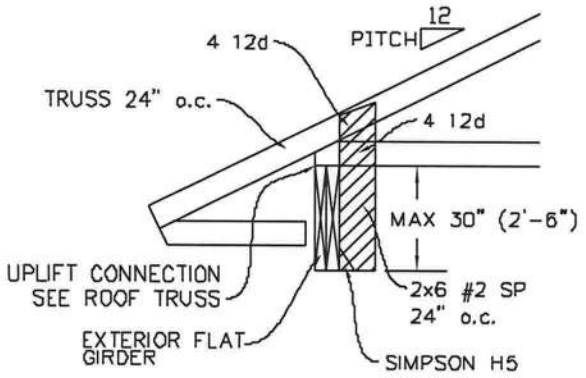


GABLE END TRUSS DETAIL

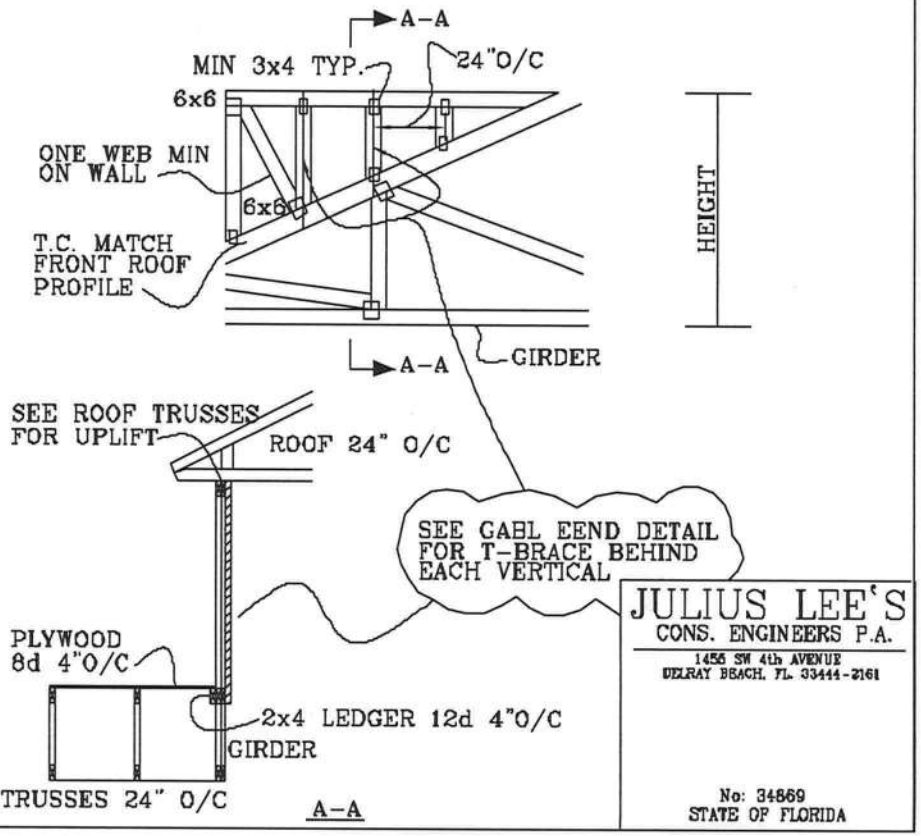


MINIMUM BC BRACING ON GABLE TRUSS. OTHER PERMANENT BRACING DESIGNS BY ARCHITECT OR EOR

TYPICAL ALTERNATE BRACING DETAIL FOR EXTERIOR FLAT GIRDER TRUSS



TYPICAL WALL GIRDER VERTICAL WEB BRACING DETAIL



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

No: 34869
STATE OF FLORIDA

PIGGYBACK DETAIL

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

REFER TO SEALED DESIGN FOR DASHED PLATES.

SPACE PIGGYBACK VERTICALS AT 4' OC MAX.

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

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

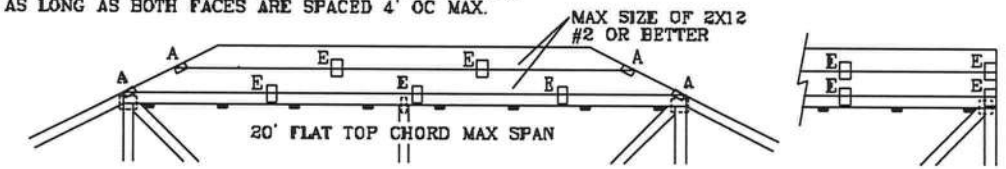
ATTACH PURLINS TO TOP OF FLAT TOP CHORD. IF PIGGYBACK IS SOLID LUMBER OR THE BOTTOM CHORD IS OMITTED, PURLINS MAY BE APPLIED BENEATH THE TOP CHORD OF SUPPORTING TRUSS.

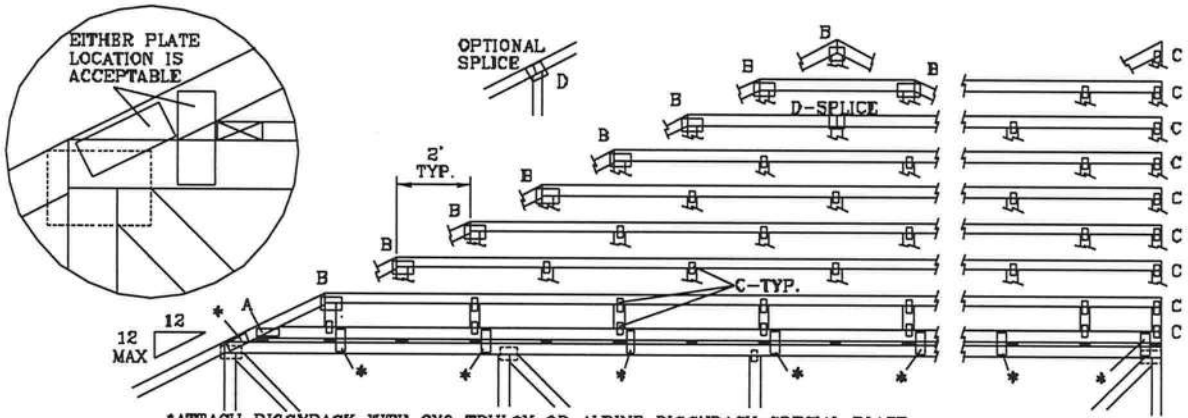
REFER TO ENGINEER'S SEALED DESIGN FOR REQUIRED PURLIN SPACING.

THIS DETAIL IS APPLICABLE FOR THE FOLLOWING WIND CONDITIONS:

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

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





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

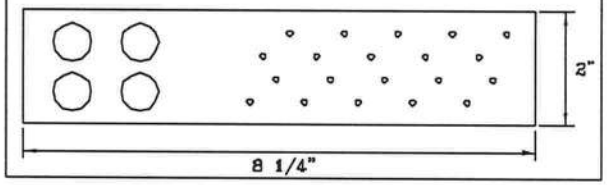
JOINT TYPE	SPANS UP TO			
	30'	34'	38'	52'
A	2X4	2.5X4	2.5X4	3X5
B	4X8	5X8	5X8	5X8
C	1.5X3	1.5X4	1.5X4	1.5X4
D	5X4	5X5	5X5	5X8
E	4X8 OR 3X8 TRULOX AT 4' OC, ROTATED VERTICALLY			

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

xxWARNINGxx 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.
1400 SW 4th AVENUE
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".

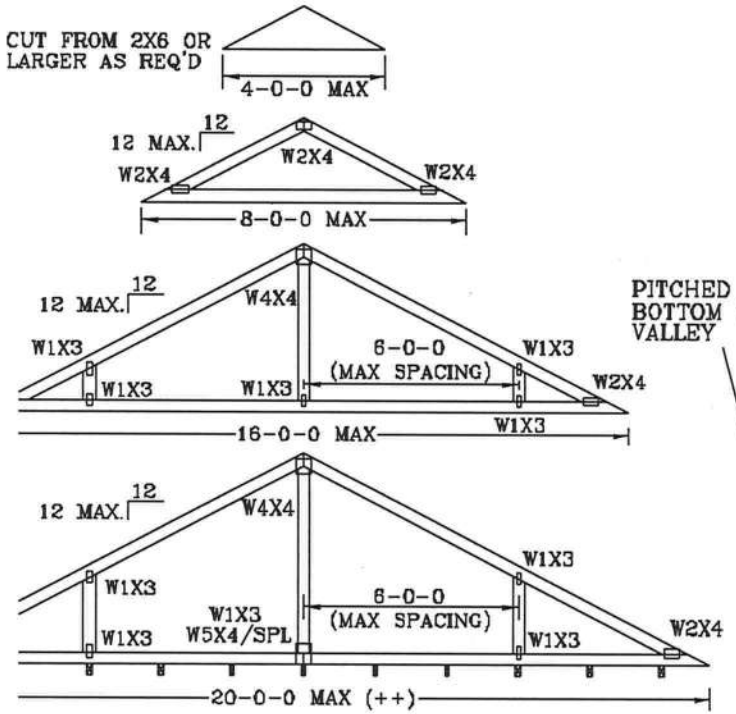
MAXIMUM VALLEY VERTICAL HEIGHT MAY NOT EXCEED 12'0".

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.

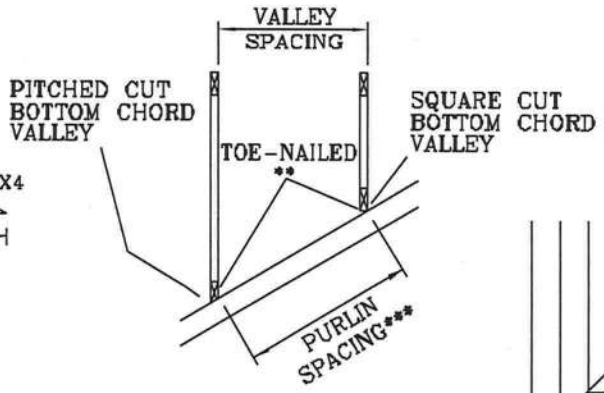
*** NOTE THAT THE PURLIN SPACING FOR BRACING THE TOP CHORD OF THE TRUSS BENEATH THE VALLEY IS MEASURED ALONG THE SLOPE OF THE TOP CHORD.

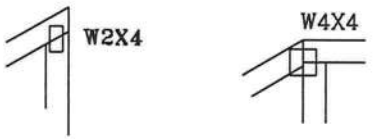
++ LARGER SPANS MAY BE BUILT AS LONG AS THE VERTICAL HEIGHT DOES NOT EXCEED 12'0".

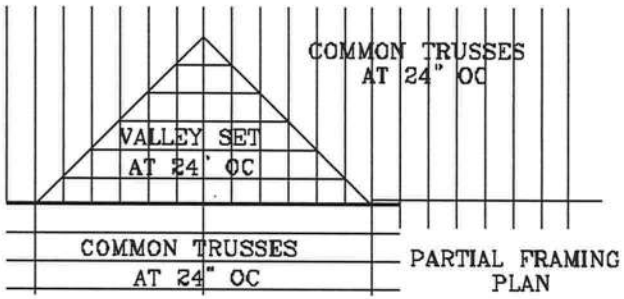
BOTTOM CHORD MAY BE SQUARE OR PITCHED CUT AS SHOWN.



SUPPORTING TRUSSES AT 24" OC MAXIMUM SPACING.







THIS DRAWING REPLACES DRAWING A105

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

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

No: 34869
STATE OF FLORIDA

TC LL	20	20	PSF	REF VALLEY DETAIL
TC DL	7	15	PSF	DATE 11/26/03
BC DL	5	5	PSF	DRWG VALTRUSS1103
BC LL	0	0	PSF	-ENG JL
TOT. LD.	32	40	PSF	
DUR.FAC. 1.25		1.25		
SPACING		24"		

TOE-NAIL DETAIL

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

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

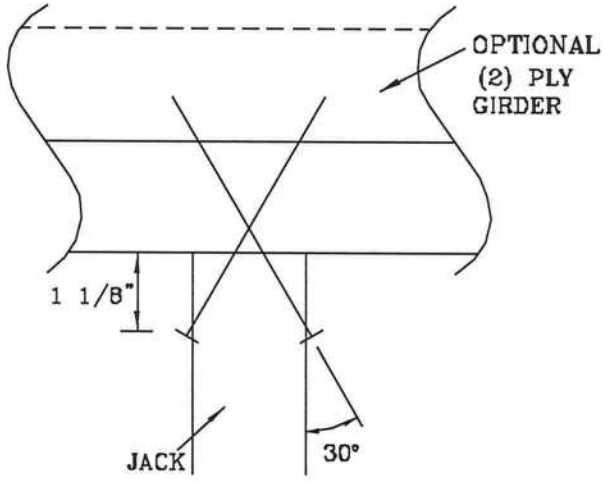
THE NUMBER OF TOE-NAILS TO BE USED IN A SPECIFIC APPLICATION IS DEPENDENT UPON PROPERTIES FOR THE CHORD SIZE, LUMBER SPECIES, AND NAIL TYPE. PROPER CONSTRUCTION PRACTICES AS WELL AS GOOD JUDGEMENT SHOULD DETERMINE THE NUMBER OF NAILS TO BE USED.

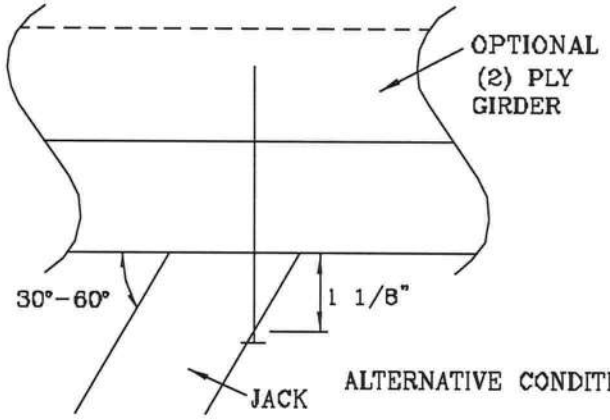
THIS DETAIL DISPLAYS A TOE-NAILED CONNECTION FOR JACK FRAMING INTO A SINGLE OR DOUBLE PLY SUPPORTING GIRDER.

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

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

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





ALTERNATIVE CONDITION

THIS DRAWING REPLACES DRAWING 784040

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

No: 34869
STATE OF FLORIDA

TC LL	PSF	REF	TOE-NAIL
TC DL	PSF	DATE	09/12/07
BC DL	PSF	DRWG	CNTONAIL1103
BC LL	PSF	-ENG	JL
TOT. LD.	PSF		
DUR. FAC.	1.00		
SPACING			

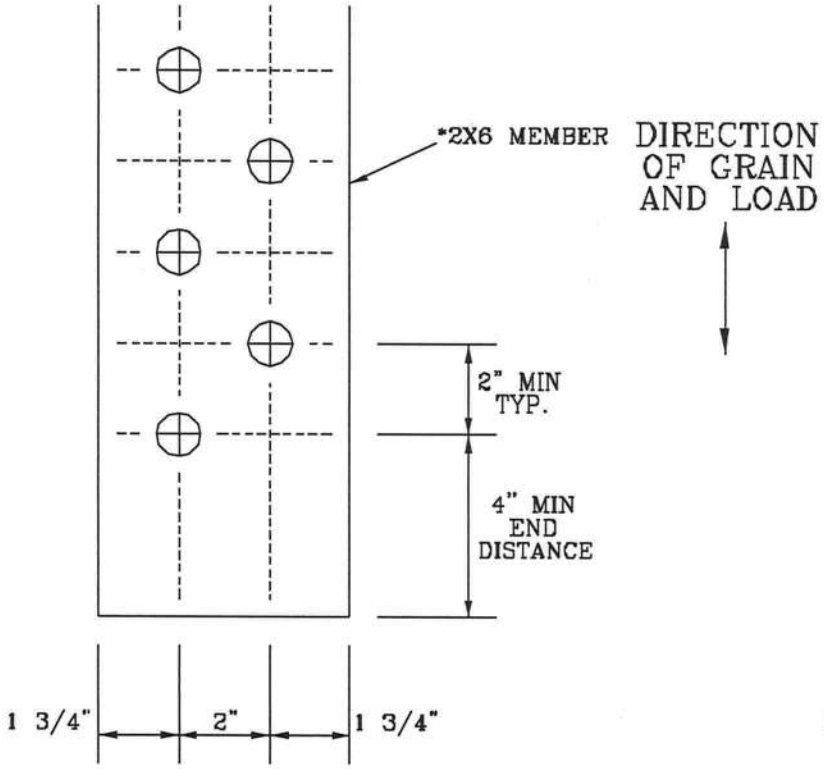
1/2" DIAMETER BOLT SPACING FOR LOAD APPLIED PARALLEL TO GRAIN.

* GRADE AND SPECIES AS SPECIFIED ON THE ALPINE DESIGN.

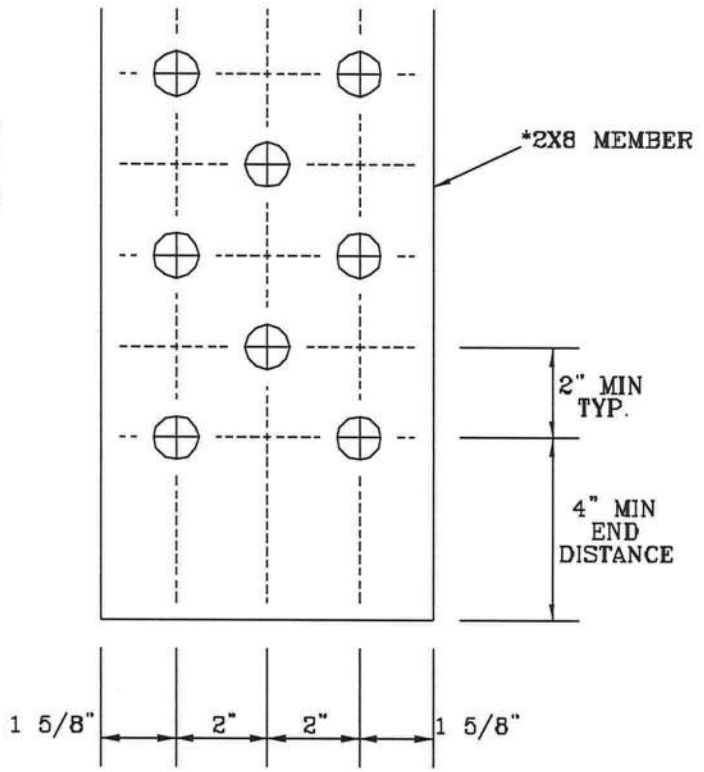
BOLT HOLES SHALL BE A MINIMUM OF 1/32" TO A MAXIMUM OF 1/16" LARGER THAN BOLT DIAMETER.

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

WASHERS REQUIRED UNDER BOLT HEAD AND NUT



2X6 DETAIL



2X8 DETAIL

THIS DRAWING REPLACES DRAWING A628.016

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

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

No: 34869
STATE OF FLORIDA

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

TRULOX CONNECTION DETAIL

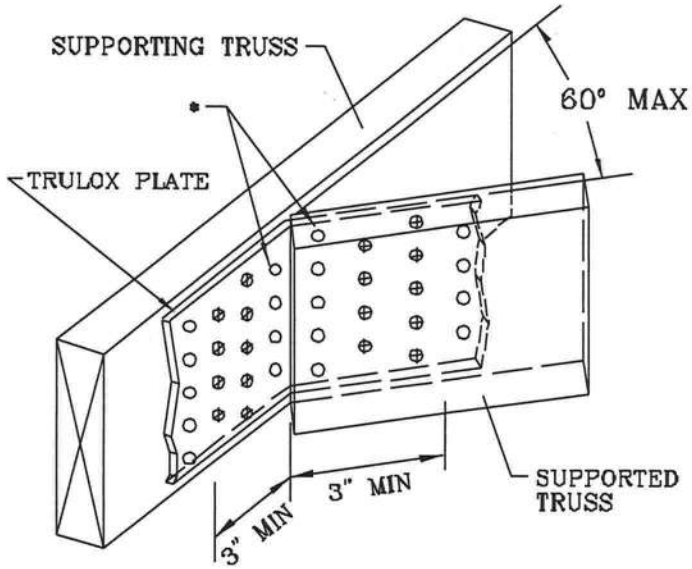
11 GAUGE (0.120" X 1.375") NAILS REQUIRED FOR TRULOX PLATE ATTACHMENT. FILL ROWS COMPLETELY WHERE SHOWN (⊕).

* NAILS MAY BE OMITTED FROM THESE ROWS.

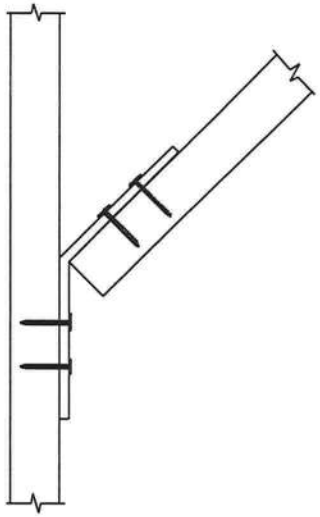
THIS DETAIL MAY BE USED WITH SO. PINE, DOUGLAS-FIR OR HEM-FIR CHORDS WITH A MINIMUM 1.00 DURATION OF LOAD OR SPRUCE-PINE-FIR CHORDS WITH A MINIMUM 1.15 DURATION OF LOAD. CHORD SIZE OF BOTH TRUSSES MUST EXCEED THE TRULOX PLATE WIDTH.

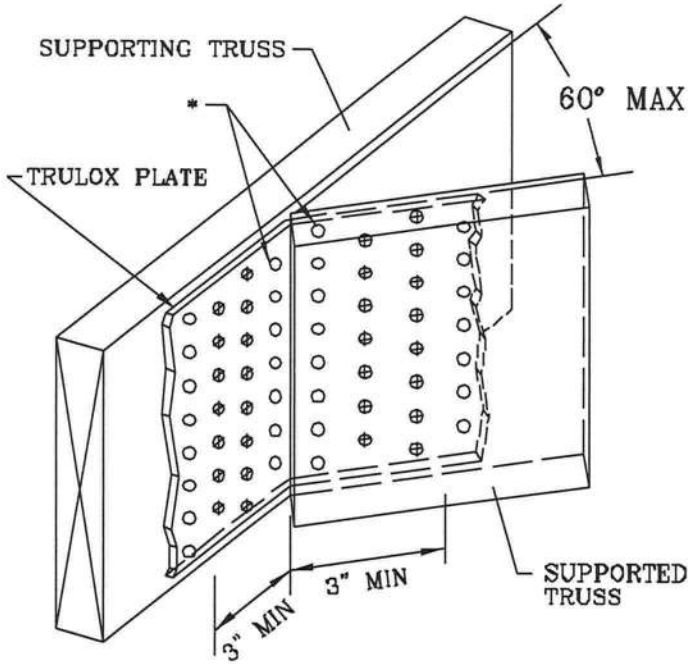
TRULOX PLATE IS CENTERED ON THE CHORDS AND BENT BETWEEN NAIL ROWS.

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



MINIMUM 3X6 TRULOX PLATE





MINIMUM 5X6 TRULOX PLATE

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

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

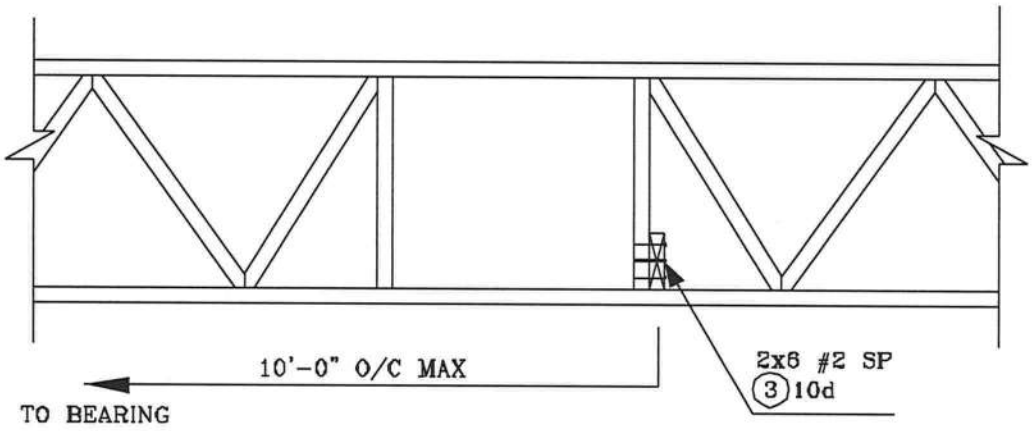
WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE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

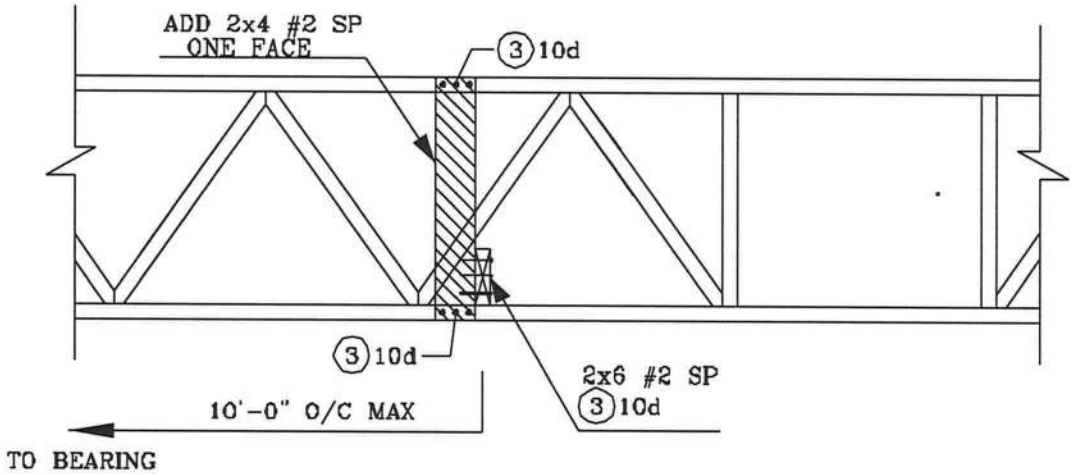
No: 34869
STATE OF FLORIDA

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



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

No: 34869
STATE OF FLORIDA

COLUMBIA COUNTY 9-1-1 ADDRESSING / GIS DEPARTMENT

P. O. Box 1787, Lake City, FL 32056-1787
Telephone: (386) 758-1125 * Fax: (386) 758-1365 * E-mail: ron_croft@columbiacountyfla.com

ADDRESS ASSIGNMENT DATA

The Columbia County Board of County Commissioners has passed Ordinance 2001-9, which provides for a uniform numbering system. A copy of this ordinance is available in the Clerk of Court records, located in the courthouse. This new numbering system will increase the efficiency of POLICE, FIRE AND EMERGENCY MEDICAL vehicles responding to calls within Columbia County by immediately identifying the location of the caller.

Residential or Other Structure on Parcel Number:
03-4S-16-02731-111 (LOT 111 PRESERVE AT LAUREL LAKE UNIT 1.)

Address Assignment:
453 SW ROSEMARY DR, LAKE CITY, FL, 32024

Any questions concerning this information should be referred to the Columbia County 9-1-1 Addressing / GIS Department at the address or telephone number above.

COLUMBIA COUNTY
9-1-1 ADDRESSING
APPROVED

FORM 600A-2004R

EnergyGauge® 4.5.2

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**Sim-Q Developers**	Builder:	**Aaron Simque Homes**
Address:	**Lot: 111, Sub: The Preserves, Plat:**	Permitting Office:	**Columbia County**
City, State:	**Lake City, FL 32025-**	Permit Number:	26628
Owner:	**Model Home**	Jurisdiction Number:	221000
Climate Zone:	**North**		

1.	New construction or existing	New	
2.	Single family or multi-family	Single family	
3.	Number of units, if multi-family	1	
4.	Number of Bedrooms	4	
5.	Is this a worst case?	No	
6.	Conditioned floor area (ft²)	2809 ft²	
7.	Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)		
a.	U-factor: (or Single or Double DEFAULT)	7a. Description Area (Dble Default) 455.3 ft²	
b.	SHGC: (or Clear or Tint DEFAULT)	7b. (Clear) 455.3 ft²	
8.	Floor types		
a.	Slab-On-Grade Edge Insulation	R=5.0, 262.0(p) ft	
b.	N/A		
c.	N/A		
9.	Wall types		
a.	Frame, Wood, Exterior	R=13.0, 1863.7 ft²	
b.	Frame, Wood, Adjacent	R=13.0, 333.0 ft²	
c.	N/A		
d.	N/A		
e.	N/A		
10.	Ceiling types		
a.	Under Attic	R=30.0, 3100.0 ft²	
b.	N/A		
c.	N/A		
11.	Ducts		
a.	Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 55.0 ft	
b.	N/A		

12.	Cooling systems		
a.	Central Unit	Cap: 62.0 kBtu/hr	
		SEER: 13.00	
b.	N/A		
c.	N/A		
13.	Heating systems		
a.	Electric Heat Pump	Cap: 62.0 kBtu/hr	
		HSPF: 7.70	
b.	N/A		
c.	N/A		
14.	Hot water systems		
a.	Electric Resistance	Cap: 80.0 gallons	
		EF: 0.90	
b.	N/A		
c.	Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)		
15.	HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	PT,	

Glass/Floor Area: 0.16

Total as-built points: 34129

Total base points: 36482

PASS

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code.

PREPARED BY: _____

DATE: 1-2-08

I hereby certify that this building, as designed, is in compliance with the Florida Energy Code.

OWNER/AGENT: _____

DATE: _____

Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed this building will be inspected for compliance with Section 553.908 Florida Statutes.

BUILDING OFFICIAL: _____

DATE: _____

1 Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 111, Sub: The Preserves, Plat: , Lake City, FL, 32025-** PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points
.18	2809.0	18.59	9399.0	1.Double, Clear	W	1.5	8.0	30.0	38.52	0.96	1107.0
				2.Double, Clear	W	1.5	11.0	105.0	38.52	0.99	3988.0
				3.Double, Clear	N	5.5	11.0	21.0	19.20	0.83	335.0
				4.Double, Clear	W	9.5	11.0	80.0	38.52	0.56	1735.0
				5.Double, Clear	S	5.5	11.0	20.0	35.87	0.66	473.0
				6.Double, Clear	N	1.5	11.0	42.0	19.20	0.99	795.0
				7.Double, Clear	N	1.5	11.0	4.0	19.20	0.99	75.0
				8.Double, Clear	N	1.5	11.0	8.0	19.20	0.99	151.0
				9.Double, Clear	NE	1.5	10.0	12.0	29.56	0.98	347.0
				10.Double, Clear	E	1.5	10.0	18.0	42.06	0.98	740.0
				11.Double, Clear	SE	1.5	10.0	12.0	42.75	0.98	500.0
				12.Double, Clear	E	13.0	11.0	13.3	42.06	0.47	264.0
				13.Double, Clear	E	8.5	11.0	60.0	42.06	0.58	1474.0
				14.Double, Clear	S	1.5	9.0	30.0	35.87	0.94	1015.0
				As-Built Total:				**455.3**			**12999.0**

WALL TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	= Points
Adjacent	333.0	0.70	233.1	1. Frame, Wood, Exterior	13.0	1863.7	1.50	2795.5
Exterior	1863.7	1.70	3168.3	2. Frame, Wood, Adjacent	13.0	333.0	0.60	199.8
Base Total:	**2196.7**		**3401.4**	**As-Built Total:**		**2196.7**		**2995.3**

DOOR TYPES	Area X	BSPM	= Points	Type	Area X	SPM	= Points
Adjacent	0.0	0.00	0.0	1.Exterior Insulated	18.0	4.10	73.8
Exterior	38.0	6.10	231.8	2.Exterior Insulated	20.0	4.10	82.0
Base Total:	**38.0**		**231.8**	**As-Built Total:**	**38.0**		**155.8**

CEILING TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM X SCM	= Points
Under Attic	2809.0	1.73	4859.6	1. Under Attic	30.0	3100.0	1.73 X 1.00	5363.0
Base Total:	**2809.0**		**4859.6**	**As-Built Total:**		**3100.0**		**5363.0**

FLOOR TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	= Points
Slab	262.0(p)	-37.0	-9694.0	1. Slab-On-Grade Edge Insulation	5.0	262.0(p	-36.20	-9484.4
Raised	0.0	0.00	0.0					
Base Total:			**-9694.0**	**As-Built Total:**		**262.0**		**-9484.4**

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 111, Sub: The Preserves, Plat: , Lake City, FL, 32025-** PERMIT #:

BASE				AS-BUILT						
INFILTRATION	Area X	BSPM	= Points		Area X	SPM	= Points			
	2809.0	10.21	28679.9		2809.0	10.21	28679.9			
Summer Base Points: 36877.7				**Summer As-Built Points:**						**40708.6**
Total Summer Points	X System Multiplier	= Cooling Points		Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Cooling Points	
				(sys 1: Central Unit 62000btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0(INS)						
36877.7	0.3250	11985.2		40709 **40708.6**	1.00 **1.00**	(1.09 x 1.147 x 0.91) **1.138**	0.260 **0.260**	0.950 **0.950**	11439.7 **11439.7**	

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 111, Sub: The Preserves, Plat: , Lake City, FL, 32025-** PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BWPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF	= Points	
.18	2809.0	20.17	10198.0	1.Double, Clear	W	1.5	8.0	30.0	20.73	1.01	628.0	
				2.Double, Clear	W	1.5	11.0	105.0	20.73	1.00	2185.0	
				3.Double, Clear	N	5.5	11.0	21.0	24.58	1.01	520.0	
				4.Double, Clear	W	9.5	11.0	80.0	20.73	1.15	1910.0	
				5.Double, Clear	S	5.5	11.0	20.0	13.30	1.64	436.0	
				6.Double, Clear	N	1.5	11.0	42.0	24.58	1.00	1032.0	
				7.Double, Clear	N	1.5	11.0	4.0	24.58	1.00	98.0	
				8.Double, Clear	N	1.5	11.0	8.0	24.58	1.00	196.0	
				9.Double, Clear	NE	1.5	10.0	12.0	23.57	1.00	282.0	
				10.Double, Clear	E	1.5	10.0	18.0	18.79	1.01	342.0	
				11.Double, Clear	SE	1.5	10.0	12.0	14.71	1.03	181.0	
				12.Double, Clear	E	13.0	11.0	13.3	18.79	1.34	334.0	
				13.Double, Clear	E	8.5	11.0	60.0	18.79	1.22	1374.0	
				14.Double, Clear	S	1.5	9.0	30.0	13.30	1.02	408.0	
				As-Built Total:				**455.3**			**9926.0**	

WALL TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	= Points
Adjacent	333.0	3.60	1198.8	1. Frame, Wood, Exterior	13.0	1863.7	3.40	6336.6
Exterior	1863.7	3.70	6895.7	2. Frame, Wood, Adjacent	13.0	333.0	3.30	1098.9
Base Total:	**2196.7**		**8094.5**	**As-Built Total:**		**2196.7**		**7435.5**

DOOR TYPES	Area X	BWPM	= Points	Type	Area X	WPM	= Points
Adjacent	0.0	0.00	0.0	1.Exterior Insulated	18.0	8.40	151.2
Exterior	38.0	12.30	467.4	2.Exterior Insulated	20.0	8.40	168.0
Base Total:	**38.0**		**467.4**	**As-Built Total:**	**38.0**		**319.2**

CEILING TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM X	WCM =	Points
Under Attic	2809.0	2.05	5758.4	1. Under Attic	30.0	3100.0	2.05 X	1.00	6355.0
Base Total:	**2809.0**		**5758.4**	**As-Built Total:**		**3100.0**			**6355.0**

FLOOR TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	= Points
Slab	262.0(p)	8.9	2331.8	1. Slab-On-Grade Edge Insulation	5.0	262.0(p	7.60	1991.2
Raised	0.0	0.00	0.0					
Base Total:			**2331.8**	**As-Built Total:**		**262.0**		**1991.2**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 111, Sub: The Preserves, Plat: , Lake City, FL, 32025-** PERMIT #:

BASE			AS-BUILT					
INFILTRATION	Area X BWPM =	Points				Area X WPM =		Points
	2809.0 -0.59	-1657.3				2809.0 -0.59		-1657.3
Winter Base Points:		**25192.8**	**Winter As-Built Points:**					**24369.6**
Total Winter Points	X System Multiplier =	Heating Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier =	Heating Points
			(sys 1: Electric Heat Pump 62000 btuh ,EFF(7.7) Ducts:Unc(S),Unc(R),Int(AH),R6.0					
25192.8	**0.5540**	**13956.8**	24369.6 **24369.6**	1.000 **1.00**	(1.069 x 1.169 x 0.93) **1.162**	0.443 **0.443**	0.950 **0.950**	11915.4 **11915.4**

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 111, Sub: The Preserves, Plat: , Lake City, FL, 32025-** PERMIT #:

BASE				AS-BUILT							
WATER HEATING											
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X Tank Ratio	X Multiplier	X Credit Multiplier	= Total	
4		2635.00	10540.0	80.0	0.90	4	1.00	2693.56	1.00	10774.2	
				As-Built Total:							**10774.2**

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points +	Heating Points +	Hot Water Points =	Total Points	Cooling Points +	Heating Points +	Hot Water Points =	Total Points
11985	**13957**	**10540**	**36482**	**11440**	**11915**	**10774**	**34129**

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 111, Sub: The Preserves, Plat: , Lake City, FL, 32025-** PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

COMPONENTS	SECTION	REQUIREMENTS FOR EACH PRACTICE	CHECK
Exterior Windows & Doors	606.1.ABC.1.1	Maximum:.3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	
Exterior & Adjacent Walls	606.1.ABC.1.2.1	Caulk, gasket, weatherstrip or seal between: windows/doors & frames, surrounding wall; foundation & wall sole or sill plate; joints between exterior wall panels at corners; utility penetrations; between wall panels & top/bottom plates; between walls and floor. EXCEPTION: Frame walls where a continuous infiltration barrier is installed that extends from, and is sealed to, the foundation to the top plate.	
Floors	606.1.ABC.1.2.2	Penetrations/openings >1/8" sealed unless backed by truss or joint members. EXCEPTION: Frame floors where a continuous infiltration barrier is installed that is sealed to the perimeter, penetrations and seams.	
Ceilings	606.1.ABC.1.2.3	Between walls & ceilings; penetrations of ceiling plane of top floor; around shafts, chases, soffits, chimneys, cabinets sealed to continuous air barrier; gaps in gyp board & top plate; attic access. EXCEPTION: Frame ceilings where a continuous infiltration barrier is installed that is sealed at the perimeter, at penetrations and seams.	
Recessed Lighting Fixtures	606.1.ABC.1.2.4	Type IC rated with no penetrations, sealed; or Type IC or non-IC rated, installed inside a sealed box with 1/2" clearance & 3" from insulation; or Type IC rated with < 2.0 cfm from conditioned space, tested.	
Multi-story Houses	606.1.ABC.1.2.5	Air barrier on perimeter of floor cavity between floors.	
Additional Infiltration reqts	606.1.ABC.1.3	Exhaust fans vented to outdoors, dampers; combustion space heaters comply with NFPA, have combustion air.	

6A-22 OTHER PRESCRIPTIVE MEASURES (must be met or exceeded by all residences.)

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	612.1	Comply with efficiency requirements in Table 612.1.ABC.3.2. Switch or clearly marked cir breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	612.1	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%.	
Shower heads	612.1	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	610.1	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated, and installed in accordance with the criteria of Section 610. Ducts in unconditioned attics: R-6 min. insulation.	
HVAC Controls	607.1	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	604.1, 602.1	Ceilings-Min. R-19. Common walls-Frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 85.8

The higher the score, the more efficient the home.

Model Home, Lot: 111, Sub: The Preserves, Plat: , Lake City, FL, 32025-

1.	New construction or existing	New	
2.	Single family or multi-family	Single family	
3.	Number of units, if multi-family	1	
4.	Number of Bedrooms	4	
5.	Is this a worst case?	No	
6.	Conditioned floor area (ft²)	2809 ft²	
7.	Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)		
	a. U-factor: (or Single or Double DEFAULT)	7a. Description Area (Dble Default) 455.3 ft²	
	b. SHGC: (or Clear or Tint DEFAULT)	7b. (Clear) 455.3 ft²	
8.	Floor types		
	a. Slab-On-Grade Edge Insulation	R=5.0, 262.0(p) ft	
	b. N/A		
	c. N/A		
9.	Wall types		
	a. Frame, Wood, Exterior	R=13.0, 1863.7 ft²	
	b. Frame, Wood, Adjacent	R=13.0, 333.0 ft²	
	c. N/A		
	d. N/A		
	e. N/A		
10.	Ceiling types		
	a. Under Attic	R=30.0, 3100.0 ft²	
	b. N/A		
	c. N/A		
11.	Ducts		
	a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 55.0 ft	
	b. N/A		

12.	Cooling systems		
	a. Central Unit	Cap: 62.0 kBtu/hr SEER: 13.00	
	b. N/A		
	c. N/A		
13.	Heating systems		
	a. Electric Heat Pump	Cap: 62.0 kBtu/hr HSPF: 7.70	
	b. N/A		
	c. N/A		
14.	Hot water systems		
	a. Electric Resistance	Cap: 80.0 gallons EF: 0.90	
	b. N/A		
	c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)		
15.	HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	PT,	

I certify that this home has complied with the Florida Energy Efficiency Code For Building Construction through the above energy saving features which will be installed (or exceeded) in this home before final inspection. Otherwise, a new EPL Display Card will be completed based on installed Code compliant features.

Builder Signature: _____ Date: _____

Address of New Home: _____ City/FL Zip: _____

**NOTE: The home's estimated energy performance score is only available through the FLA/RES computer program. This is not a Building Energy Rating. If your score is 80 or greater (or 86 for a US EPA/DOE EnergyStar™ designation), your home may qualify for energy efficiency mortgage (EEM) incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at 321/638-1492 or see the Energy Gauge web site at www.fsec.ucf.edu for information and a list of certified Raters. For information about Florida's Energy Efficiency Code For Building Construction, contact the Department of Community Affairs at 850/487-1824.*

1 Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.

Columbia County Building Department
Culvert Permit

Culvert Permit No.
000001527

DATE 01/16/2008 PARCEL ID # 03-4S-16-02731-111

APPLICANT MELANIE RODER PHONE 623-7829

ADDRESS 387 SW KEMP COURT LAKE CITY FL 32024

OWNER SIM-Q DEVELOPERS PHONE 867-0692

ADDRESS 453 SW ROSEMARY DRIVE LAKE CITY FL 32024

CONTRACTOR DAVID SIMQUE PHONE 867-0692

LOCATION OF PROPERTY 90W, TL ON 252B, TR ON ROSEMARY DR, 6TH LOT ON RIGHT

SUBDIVISION/LOT/BLOCK/PHASE/UNIT PRE. LAUREL LAKES 111

SIGNATURE Melanie Roder

INSTALLATION REQUIREMENTS

☐ Culvert size will be 18 inches in diameter with a total lenght of 32 feet, leaving 24 feet of driving surface. Both ends will be mitered 4 foot with a 4 : 1 slope and poured with a 4 inch thick reinforced concrete slab.

INSTALLATION NOTE: Turnouts will be required as follows:
a) a majority of the current and existing driveway turnouts are paved, or;
b) the driveway to be served will be paved or formed with concrete.
Turnouts shall be concrete or paved a minimum of 12 feet wide or the width of the concrete or paved driveway, whichever is greater. The width shall conform to the current and existing paved or concreted turnouts.

☐ Culvert installation shall conform to the approved site plan standards.

☐ Department of Transportation Permit installation approved standards.

☐ Other _____

ALL PROPER SAFETY REQUIREMENTS SHOULD BE FOLLOWED DURING THE INSTALATION OF THE CULVERT.

135 NE Hernando Ave., Suite B-21
Lake City, FL 32055
Phone: 386-758-1008 Fax: 386-758-2160

Amount Paid 25.00

COLUMBIA COUNTY EXEMPT FLORIDA

CERTIFICATE OF

OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

This Certificate of Occupancy is issued to the below named permit holder for the building and premises at the below named location, and certifies that the work has been completed in accordance with the Columbia County Building Code.

Parcel Number 03-4S-16-02731-111 **Building permit No.** 000026628

Use Classification SFD,UTILITY **Fire:** 46.34

Permit Holder DAVID SIMQUE **Waste:**

Owner of Building SIM-Q DEVELOPERS **Total:** 46.34

Location: 453 SW ROSEMARY DRIVE., LAKE CITY, FL

Date: 08/01/2008

Wayne A. Ross

Building Inspector

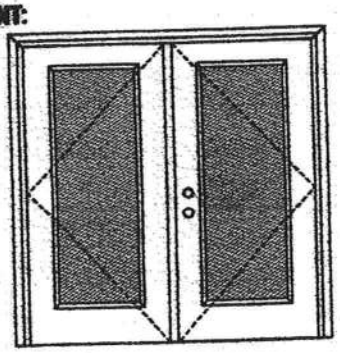
POST IN A CONSPICUOUS PLACE
(Business Places Only)

XX
Glazed Outswing Unit

COP-WL-JH4162-02

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



Note:
Units of other sizes are covered by this report as long as the panels used do not exceed 3'0" x 6'8".

Double Door
Maximum unit size = 6'0" x 6'8"

Design Pressure
+40.5/-40.5
Limited water unless special threshold design is used.

Large Missile Impact Resistance
Hurricane protective system (shutters) is REQUIRED.

Actual design pressure and impact resistant requirements for a specific building design and geographic location is determined by ASCE 7-national, state or local building codes specify the edition required.

MINIMUM ASSEMBLY DETAIL:

Compliance requires that minimum assembly details have been followed – see MAD-WL-MA0012-02 and MAD-WL-MA0041-02.

MINIMUM INSTALLATION DETAIL:

Compliance requires that minimum installation details have been followed – see MID-WL-MA0002-02.

APPROVED DOOR STYLES:

1/4 GLASS:


100 Series


133, 135 Series


136 Series


680 Series


822 Series

1/2 GLASS:


105 Series*


106, 160 Series*


129 Series*


200 Series*


12 R/L, 23 R/L, 24 R/L Series*


107 Series*


108 Series


304 Series

*This glass kit may also be used in the following door styles: 5-panel; 5-panel with scroll; Eyebrow 5-panel; Eyebrow 5-panel with scroll.

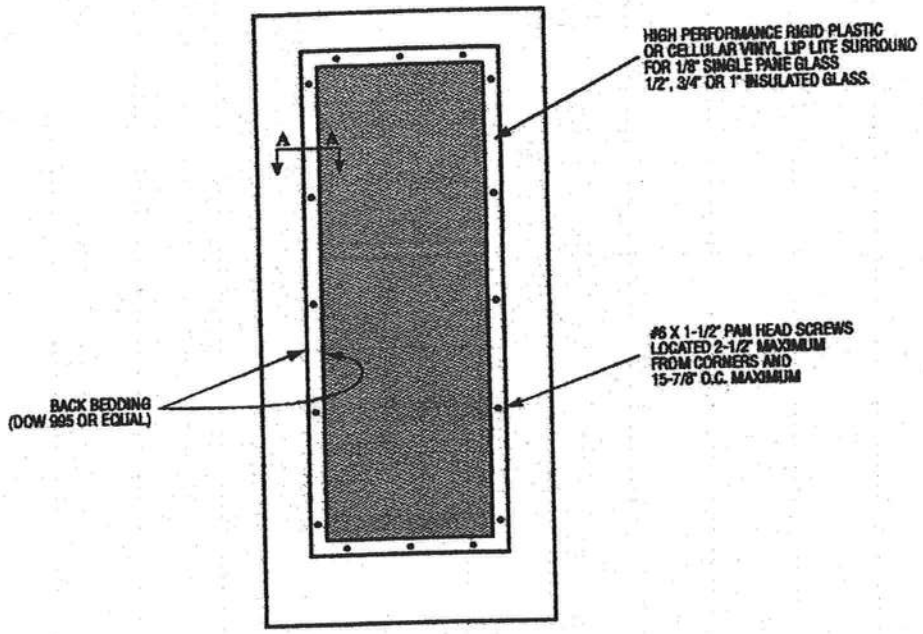
Johnson™ EntrySystems

March 29, 2002
Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.

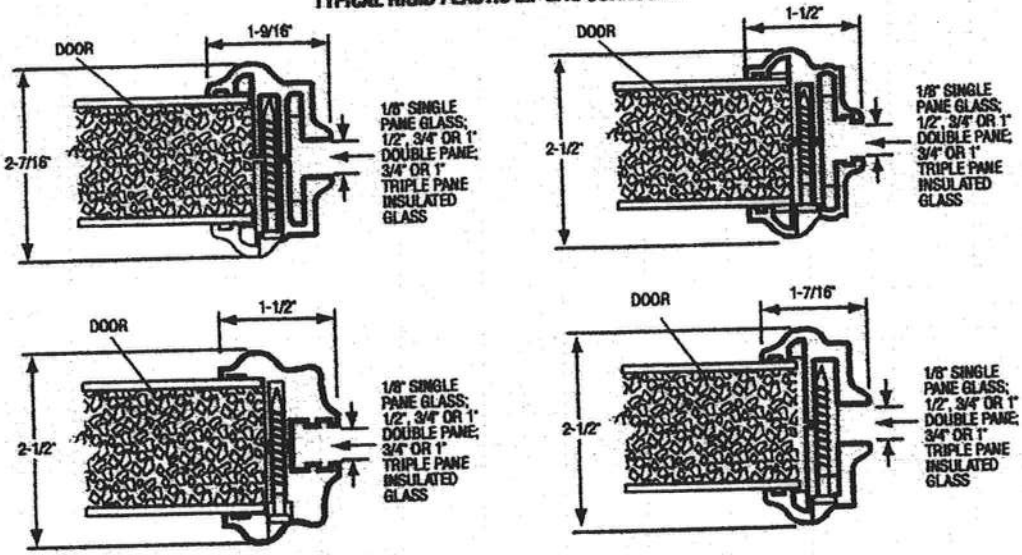
PREMDOR Collection Premium Quality Doors

Exclusively from Masonite®
Masonite International Corporation

GLASS INSERT IN DOOR OR SIDELITE PANEL



SECTION A-A
TYPICAL RIGID PLASTIC LIP LITE SURROUND



XX
Glazed Outswing Unit

COP-WL-JH4162-02

WOOD-EDGE STEEL DOORS

APPROVED DOOR STYLES:

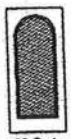
3/4 GLASS:

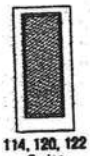

404 Series

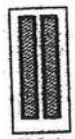

416 Series

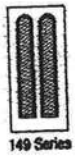

450 Series

FULL GLASS:


109 Series


114, 120, 122 Series


152 Series


149 Series


300 Series

CERTIFIED TEST REPORTS:

NCTL 210-1897-7, 8, 9, 10, 11, 12; NCTL 210-1864-5, 6, 7, 8; NCTL 210-2178-1, 2, 3

Certifying Engineer and License Number: Barry D. Portney, P.E. / 16258.

Unit Tested in Accordance with Miami-Dade BCCO PA202.

Evaluation report NCTL-210-2794-1

Door panels constructed from 26-gauge 0.017" thick steel skins. Both stiles constructed from wood. Top end rails constructed of 0.041" steel. Bottom end rails constructed of 0.021" steel. Interior cavity of slab filled with rigid polyurethane foam core. Slab glazed with insulated glass mounted in a rigid plastic lip lite surround.

Frame constructed of wood with an extruded aluminum bumper threshold.

PRODUCT COMPLIANCE LABELING:

TESTED IN
ACCORDANCE WITH
MIAMI-DADE BCCO PA202

COMPANY NAME
CITY, STATE

To the best of my knowledge and ability the above side-hinged exterior door unit conforms to the requirements of the 2001 Florida Building Code, Chapter 17 (Structural Tests and Inspections).

Kurt L Balthazor

State of Florida, Professional Engineer
Kurt Balthazor, P.E. – License Number 56533

2

Johnson™ EntrySystems

March 29, 2002
Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.

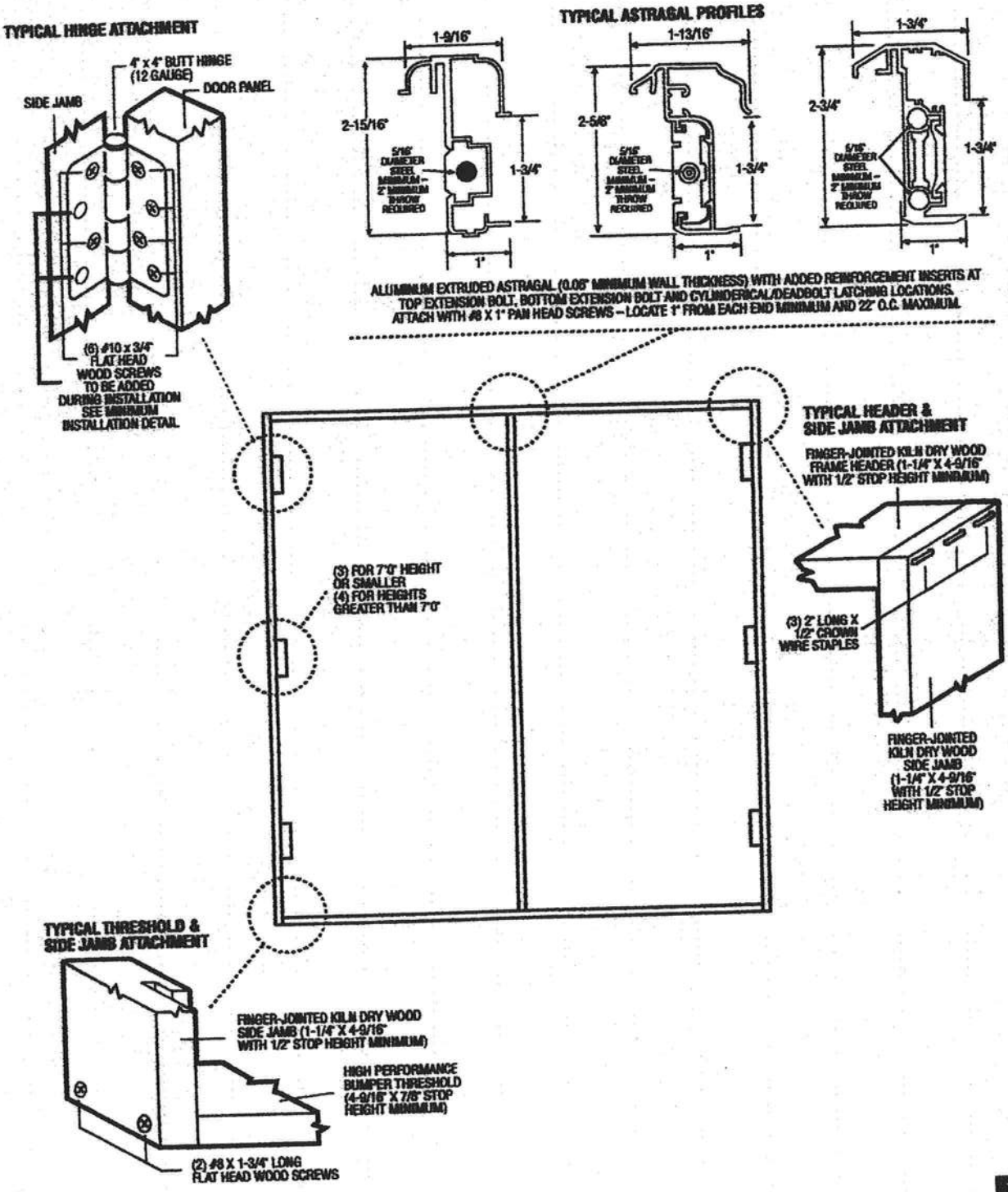
PREMDOR Collection Premium Quality Doors

Exclusively from Masonite®
Masonite International Corporation

XX
Unit

MAD-WL-MA0012-02

OUTSWING UNITS WITH DOUBLE DOOR



PREMDOR Collection
Premium Quality Doors

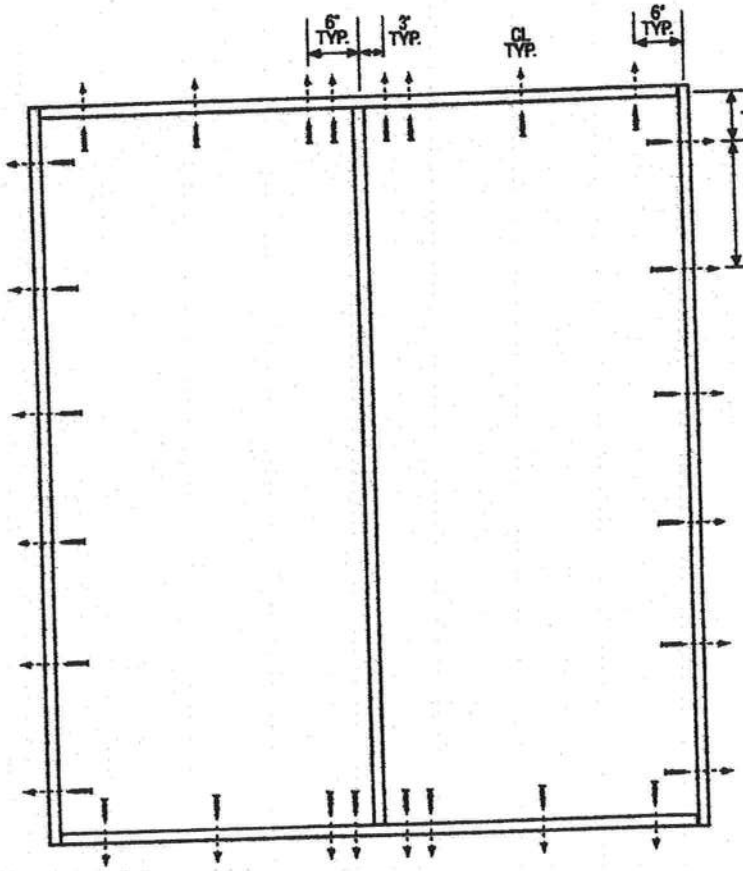
Exclusively from Masonite®
Masonite International Corporation

March 29, 2002
Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.

XX
Unit

MID-WL-MA0002-02

DOUBLE DOOR



Minimum Fastener Count

- 6 per vertical framing member
- 8 per horizontal framing member

Hinge and strike plates require two 2-1/2" long screws per location.

Latching Hardware:

- Compliance requires that GRADE 2 or better (ANSI/BHMA A156.2) cylinderical and deadlock hardware be installed.

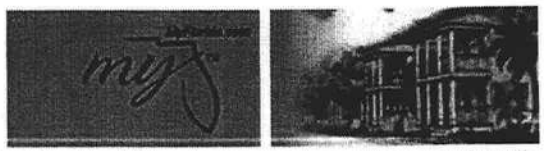
Notes:

1. Anchor calculations have been carried out with the lowest (least) fastener rating from the different fasteners being considered for use. Fasteners analyzed for this unit include #8 and #10 wood screws or 3/16" Tapcons.
2. The wood screw single shear design values come from Table 11.3A of ANSI/AF & PA NDS for southern pine lumber with a side member thickness of 1-1/4" and achievement of minimum embedment. The 3/16" Tapcon single shear design values come from the ITW and ELCO Dade Country approvals respectively, each with minimum 1-1/4" embedment.
3. Wood bucks by others, must be anchored properly to transfer loads to the structure.

PREMDOR Collection Premium Quality Doors

Exclusively from Masonite®
Masonite International Corporation

FLORIDA DEPARTMENT OF
Community Affairs



Community Affairs

- COMMUNITY PLANNING
- HOUSING & COMMUNITY DEVELOPMENT
- EMERGENCY MANAGEMENT
- OFFICE OF THE SECRETARY

Product Approval
USER: Public User

Product Approval Menu > Product or Application Search > Application List > **Application Detail**

FL #	FL1956-R1
Application Type	Revision
Code Version	2004
Application Status	Approved
Comments	
Archived	

Product Manufacturer	TAMKO Building Products, Inc.
Address/Phone/Email	PO Box 1404 Joplin, MO 64802 (800) 641-4691 ext 2394 fred_oconnor@tamko.com
Authorized Signature	Frederick O'Connor fred_oconnor@tamko.com
Technical Representative	Frederick J. O'Connor
Address/Phone/Email	PO Box 1404 Joplin, MO 64802 (800) 641-4691 fred_oconnor@tamko.com

Quality Assurance Representative Address/Phone/Email	
Category	Roofing
Subcategory	Asphalt Shingles
Compliance Method	Certification Mark or Listing
Certification Agency	Underwriters Laboratories Inc.

Referenced Standard and Year (of Standard)	**Standard**	**Year**
	ASTM D 3462	2001

Equivalence of Product Standards Certified By	
Product Approval Method	Method 1 Option A
Date Submitted	06/09/2005
Date Validated	06/20/2005
Date Pending FBC Approval	06/25/2005
Date Approved	06/29/2005

Summary of Products

FL #	Model, Number or Name	Description

slopes of 2:12 or greater. Not approved for use in HVHZ.	

Back Next

DCA Administration
Department of Community Affairs
Florida Building Code Online
Codes and Standards
2555 Shumard Oak Boulevard
Tallahassee, Florida 32399-2100
(850) 487-1824, Suncom 277-1824, Fax (850) 414-8436

Product Approval Accepts:

4

Underwriters Laboratories Inc.®

Northbrook Division
333 Pfingsten Road
Northbrook, IL 60062-2096 USA
www.ul.com
tel: 1 847 272 8800

June 17, 2005

Tamko Roofing Products
Ms. Kerri Eden
P.O. Box 1404
220 W. 4th Street
Joplin, MO 64802-1404

Our Reference: R2919

This is to confirm that "Elite Glass-Seal AR", "Heritage 30 AR", "Heritage 50 AR", "Glass-Seal AR" manufactured at Tuscaloosa, AL and "Elite Glass-Seal AR", "Heritage 30 AR", "Heritage XL AR", "Heritage 50 AR" manufactured at Frederick, MD and "Heritage 30 AR", "Heritage XL AR", and "Heritage 50 AR" manufactured in Dallas, TX are UL Listed asphalt glass mat shingles and have been evaluated in accordance with ANSI/UL 790, Class A (ASTM E108), ASTM D3462, ASTM D3161 or UL 997 modified to 110 mph when secured with four nails.

Let me know if you have any further questions.

Very truly yours,

Alpesh Patel (Ext. 42522)
Engineer Project
Fire Protection Division

Reviewed by,

Randall K. Laymon (Ext. 42687)
Engineer Sr Staff
Fire Protection Division

TAMKO BUILDING PRODUCTS

Application Instructions for

• HERITAGE® VINTAGE™ AR – Phillipsburg, KS

LAMINATED ASPHALT SHINGLES

THESE ARE THE MANUFACTURER'S APPLICATION INSTRUCTIONS FOR THE ROOFING CONDITIONS DESCRIBED. TAMKO BUILDING PRODUCTS, INC. ASSUMES NO RESPONSIBILITY FOR LEAKS OR OTHER ROOFING DEFECTS RESULTING FROM FAILURE TO FOLLOW THE MANUFACTURER'S INSTRUCTIONS.

THIS PRODUCT IS COVERED BY A LIMITED WARRANTY, THE TERMS OF WHICH ARE PRINTED ON THE WRAPPER.

IN COLD WEATHER (BELOW 40°F), CARE MUST BE TAKEN TO AVOID DAMAGE TO THE EDGES AND CORNERS OF THE SHINGLES.

IMPORTANT: It is not necessary to remove the plastic strip from the back of the shingles.

1. ROOF DECK

These shingles are for application to roof decks capable of receiving and retaining fasteners, and to inclines of not less than 2 in. per foot. For roofs having pitches 2 in. per foot to less than 4 in. per foot, refer to special instructions titled "Low Slope Application". Shingles must be applied properly. TAMKO assumes no responsibility for leaks or defects resulting from improper application, or failure to properly prepare the surface to be roofed over.

NEW ROOF DECK CONSTRUCTION: Roof deck must be smooth, dry and free from warped surfaces. It is recommended that metal drip edges be installed at eaves and rakes.

PLYWOOD: All plywood shall be exterior grade as defined by the American Plywood Association. Plywood shall be a minimum of 3/8 in. thickness and applied in accordance with the recommendations of the American Plywood Association.

SHEATHING BOARDS: Boards shall be well-seasoned tongue-and-groove boards and not over 6 in. nominal width. Boards shall be a 1 in. nominal minimum thickness. Boards shall be properly spaced and nailed.

TAMKO does not recommend re-roofing over existing roof.

2. VENTILATION

Inadequate ventilation of attic spaces can cause accumulation of moisture in winter months and a build up of heat in the summer. These conditions can lead to:

1. Vapor Condensation
2. Buckling of shingles due to deck movement.
3. Rotting of wood members.
4. Premature failure of roof.

To insure adequate ventilation and circulation of air, place louvers of sufficient size high in the gable ends and/or install continuous ridge and soffit vents. FHA minimum property standards require one square foot of net free ventilation area to each 150 square feet of space to be vented, or one square foot per 300 square feet if a vapor barrier is installed on the warm side of the ceiling or if at least one half of the ventilation is provided near the ridge. If the ventilation openings are screened, the total area should be doubled.

IT IS PARTICULARLY IMPORTANT TO PROVIDE ADEQUATE VENTILATION.

3. FASTENERS

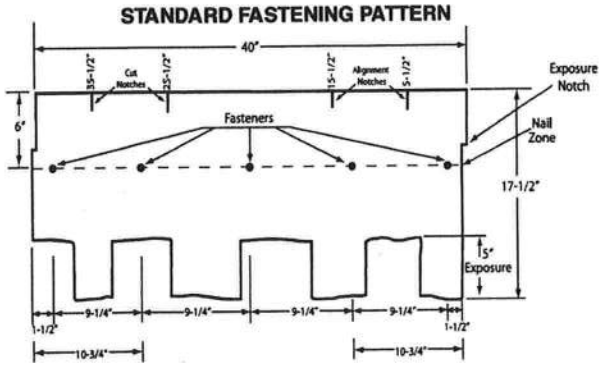
WIND CAUTION: Extreme wind velocities can damage these shingles after application when proper sealing of the shingles does not occur. This can especially be a problem if the shingles are applied in cooler months or in areas on the roof that do not receive direct sunlight. These conditions may impede the sealing of the adhesive strips on the shingles. The inability to seal down may be compounded by prolonged cold weather conditions and/or blowing dust. In these situations, hand sealing of the shingles is recommended. Shingles must also be fastened according to the fastening instructions described below.

Correct placement of the fasteners is critical to the performance of the shingle. If the fasteners are not placed as shown in the diagram and described below, this will result in the termination of TAMKO's liabilities under the limited warranty. TAMKO will not be responsible for damage to shingles caused by winds in excess of the applicable miles per hour as stated in the limited warranty. See limited warranty for details.

FASTENING PATTERNS: Fasteners must be placed 6 in. from the top edge of the shingle located horizontally as follows:

1) Standard Fastening Pattern. (For use on decks with slopes 2 in. per foot to 21 in. per foot.) One fastener 1-1/2 in. back from each end, one 10-3/4 in. back from each end and one 20 in. from one end of the shingle for a total of 5 fasteners. (See standard fastening pattern illustrated below).

STANDARD FASTENING PATTERN



2) Mansard or Steep Slope Fastening Pattern. (For use on decks with slopes greater than 21 in. per foot.) Use standard nailing instructions with four additional nails placed 6 in. from the butt edge of the shingle making certain nails are covered by the next (successive) course of shingles.

(Continued)

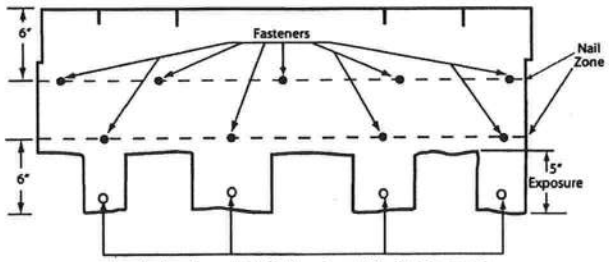
TAMKO BUILDING PRODUCTS

(CONTINUED from Pg. 1)

• HERITAGE® VINTAGE™ AR – Phillipsburg, KS
LAMINATED ASPHALT SHINGLES

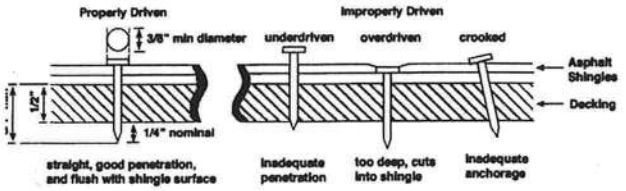
Each shingle tab must be sealed underneath with quick setting asphalt adhesive cement immediately upon installation. Spots of cement must be equivalent in size to a $.25 piece and applied to shingles with a 5 in. exposure, use 9 fasteners per shingle.

MANSARD FASTENING PATTERN



Apply under each tab 1" diameter asphalt adhesive cement.

NAILS: TAMKO recommends the use of nails as the preferred method of application. Standard type roofing nails should be used. Nail shanks should be made of minimum 12 gauge wire, and a minimum head diameter of 3/8 in. Nails should be long enough to penetrate 3/4 in. into the roof deck. Where the deck is less than 3/4 in. thick, the nails should be long enough to penetrate completely through plywood decking and extend at least 1/8 in. through the roof deck. Drive nail head flush with the shingle surface.



4. UNDERLAYMENT

UNDERLAYMENT: An underlayment consisting of asphalt saturated felt must be applied over the entire deck before the installation of TAMKO shingles. Failure to add underlayment can cause premature failure of the shingles and leaks which are not covered by TAMKO's limited warranty. Apply the felt when the deck is dry. On roof decks 4 in. per foot and greater apply the felt parallel to the eaves lapping each course of the felt over the lower course at least 2 in. Where ends join, lap the felt 4 in. If left exposed, the underlayment felt may be adversely affected by moisture and weathering. Laying of the underlayment and the shingle application must be done together.

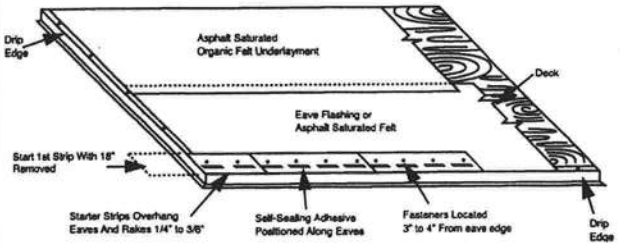
Products which are acceptable for use as underlayment are:

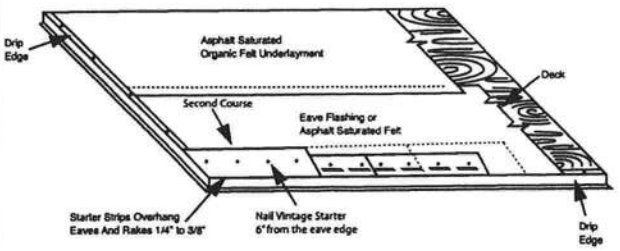
- TAMKO No. 15 Asphalt Saturated Organic Felt
- A non-perforated asphalt saturated organic felt which meets ASTM: D226, Type I or ASTM D4869, Type I
- Any TAMKO non-perforated asphalt saturated organic felt
- TAMKO TW Metal and Tile Underlayment, TW Underlayment and Moisture Guard Plus® (additional ventilation maybe required. Contact TAMKO's technical services department for more information)

In areas where ice builds up along the eaves or a back-up of water from frozen or clogged gutters is a potential problem, TAMKO's Moisture Guard Plus® waterproofing underlayment (or any specialty eaves flashing product) may be applied to eaves, rakes, ridges, valleys, around chimneys, skylights or dormers to help prevent water damage. Contact TAMKO's Technical Services Department for more information.
TAMKO does not recommend the use of any substitute products as shingle underlayment.

5. APPLICATION INSTRUCTIONS

STARTER COURSE: Two starter course layers must be applied prior to application of Heritage Vintage AR Shingles.
The first starter course may consist of TAMKO Shingle Starter, three tab self-sealing type shingles or a 9 inch wide strip of mineral surface roll roofing. If three tab self-sealing shingles are used, remove the exposed tab portion and install with the factory applied adhesive adjacent to the eaves. If using three tab self-sealing shingles or shingle starter, remove 18 in. from first shingle to offset the end joints of the Vintage Starter. Attach the first starter course with approved fasteners along a line parallel to and 3 in. to 4 in. above the eave edge. The starter course should overhang both the eave and rake edge 1/4 in. to 3/8 in. Over the first starter course, install Heritage Vintage Starter AR and begin at the left rake edge with a full size shingle and continue across the roof nailing the Heritage Vintage Starter AR along a line parallel to and 6 in. from the eave edge.





Note: Do not allow Vintage Starter AR joints to be visible between shingle tabs. Cutting of the starter may be required.

HERITAGE VINTAGE STARTER AR
12 1/2" x 36" 20 PIECES PER BUNDLE
60 LINEAL FT. PER BUNDLE

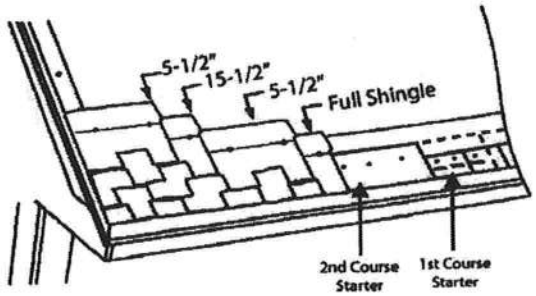
(Continued)

(CONTINUED from Pg. 2)

TAMKO BUILDING PRODUCTS

• HERITAGE® VINTAGE™ AR – Phillipsburg, KS
LAMINATED ASPHALT SHINGLES

SHINGLE APPLICATION: Start the first course at the left rake edge with a full size shingle and overhang the rake edge 1/4 in. to 3/8 in.. To begin the second course, align the right side of the shingle with the 5-1/2 in. alignment notch on the first course shingle making sure to align the exposure notch. (See shingle illustration on next page) Cut the appropriate amount from the rake edge so the overhang is 1/4" to 3/8". For the third course, align the shingle with the 15-1/2 in. alignment notch at the top of the second course shingle, again being sure to align the exposure notch. Cut the appropriate amount from the rake edge. To begin the fourth course, align the shingle with the 5-1/2 in. alignment notch from the third course shingle while aligning the exposure notch. Cut the appropriate amount from the rake edge. Continue up the rake in as many rows as necessary using the same formula as outlined above. Cut pieces may be used to complete courses at the right side. As you work across the roof, install full size shingles taking care to align the exposure notches. Shingle joints should be no closer than 4 in.



6. LOW SLOPE APPLICATION

On pitches 2 in. per foot to 4 in. per foot cover the deck with two layers of underlayment. Begin by applying the underlayment in a 19 in. wide strip along the eaves and overhanging the drip edge by 1/4 to 3/4 in. Place a full 36 in. wide sheet over the 19 in. wide starter piece, completely overlapping it. All succeeding courses will be positioned to overlap the preceding course by 19 in. If winter temperatures average 25°F or less, thoroughly cement the laps of the entire underlayment to each other with plastic cement from eaves and rakes to a point of a least 24 in. inside the interior wall line of the building. As an alternative, TAMKO's Moisture Guard Plus self-adhering waterproofing underlayment may be used in lieu of the cemented felts.

7. VALLEY APPLICATION

TAMKO recommends an open valley construction with Heritage Vintage AR shingles.

To begin, center a sheet of TAMKO Moisture Guard Plus, TW Underlayment or TW Metal & Tile Underlayment in the valley.

After the underlayment has been secured, install the recommended corrosion resistant metal (26 gauge galvanized metal or an equivalent) in the valley. Secure the valley metal to the roof deck. Overlaps should be 12" and cemented.

Following valley metal application; a 9" to 12" wide strip of TAMKO Moisture Guard Plus, TW Underlayment or TW Metal & Tile Underlayment should be applied along the edges of the metal valley flashing (max. 6" onto metal valley flashing) and on top of the valley underlayment. The valley will be completed with shingle application.

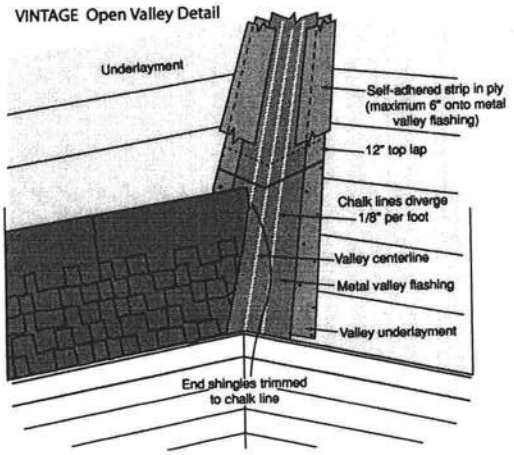
SHINGLE APPLICATION INSTRUCTIONS (OPEN VALLEY)

- Snap two chalk lines, one on each side of the valley centerline over the full length of the valley flashing. Locate the upper ends of the chalk lines 3" to either side of the valley centerline.
- The lower end should diverge from each other by 1/8" per foot. Thus, for an 8' long valley, the chalk lines should be 7" either side of the centerline at the eaves and for a 16' valley 8".

As shingles are applied toward the valley, trim the last shingle in each course to fit on the chalk line. Never use a shingle trimmed to less than 12" in length to finish a course running into a valley. If necessary, trim the adjacent shingle in the course to allow a longer portion to be used.

- Clip 1" from the upper corner of each shingle on a 45° angle to direct water into the valley and prevent it from penetrating between the courses.

- Form a tight seal by cementing the shingle to the valley lining with a 3" width of asphalt plastic cement (conforming to ASTM D 4586).



• **CAUTION:**
Adhesive must be applied in smooth, thin, even layers.

Excessive use of adhesive will cause blistering to this product.

TAMKO assumes no responsibility for blistering.

(Continued)

TAMKO BUILDING PRODUCTS

(CONTINUED from Pg. 3)

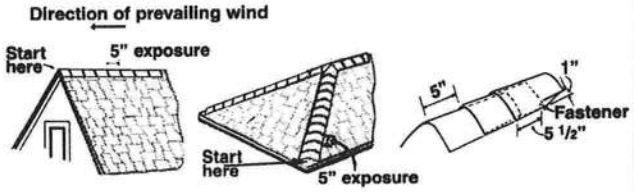
• HERITAGE® VINTAGE™ AR – Phillipsburg, KS
LAMINATED ASPHALT SHINGLES

8. HIP AND RIDGE FASTENING DETAIL

Apply the shingles with a 5 in. exposure beginning at the bottom of the hip or from the end of the ridge opposite the direction of the prevailing winds. Secure each shingle with one fastener on each side, 5-1/2 in. back from the exposed end and 1 in. up from the edge. TAMKO recommends the use of TAMKO Heritage Vintage Hip & Ridge shingle products.

Fasteners should be 1/4 in. longer than the ones used for shingles.

IMPORTANT: PRIOR TO INSTALLATION, CARE NEEDS TO BE TAKEN TO PREVENT DAMAGE WHICH CAN OCCUR WHILE BENDING SHINGLE IN COLD WEATHER.



THESE ARE THE MANUFACTURER'S APPLICATION INSTRUCTIONS FOR THE ROOFING CONDITIONS DESCRIBED. TAMKO BUILDING PRODUCTS, INC. ASSUMES NO RESPONSIBILITY FOR LEAKS OR OTHER ROOFING DEFECTS RESULTING FROM FAILURE TO FOLLOW THE MANUFACTURER'S INSTRUCTIONS.

Doc. 489.30

THIS INSTRUMENT WAS PREPARED BY:

TERRY McDAVID
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328

RETURN TO:

TERRY McDAVID
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328

File No. 07-373

Property Appraiser's
Identification Number
03-4S-16-02731-111

CLERK CIRCUIT COURT COLUMBIA COUNTY, FLORIDA

STATE OF FLORIDA, COUNTY OF COLUMBIA
I HEREBY CERTIFY, that the above and foregoing is a true copy of the original filed in this office.
P. DeWITT CASON, CLERK OF COURTS
By Deputy Clerk
Date 01-08-2008

Inst:200812000282 Date:1/7/2008 Time:4:15 PM
Doc Stamp-Deed:489.30
DC,P.DeWitt Cason,Columbia County Page 1 of 2

WARRANTY DEED

This Warranty Deed, made this 7th day of January, 2008, BETWEEN RESIDENTIAL DEVELOPMENT GROUP, LLC, A Florida Limited Liability Company, whose post office address is Post Office Box 3659, Lake City, FL 32056-3659, of the County of Columbia, State of Florida, grantor*, and SIM-Q DEVELOPERS, LLC, a Florida Limited Liability Company, whose document number assigned by the Secretary of State of Florida is L07000103309 and whose Federal Tax I.D. Number is 26-1266365*, whose post office address is 122 SW Midtown Place, Suite 101, Lake City, Florida 32024, of the County of Columbia, State of Florida, grantee*.

(Whenever used herein the terms "grantor" and "grantee" include all the parties to this instrument and the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporations, trusts and trustees)

Witnesseth: that said grantor, for and in consideration of the sum of Ten Dollars ($10.00), and other good and valuable considerations to said grantor in hand paid by said grantee, the receipt whereof is hereby acknowledged, has granted, bargained and sold to the said grantee, and grantee's heirs and assigns forever, the following described land, situate, lying and being in Columbia County, Florida, to-wit:

> Lot 111, PRESERVE AT LAUREL LAKE, UNIT 1, a subdivision according to the plat thereof as recorded in Plat Book 9, Pages 18-25 of the public records of Columbia County, Florida.
>
> *N.B.: THE PURPOSE OF INCLUDING THE DOCUMENT NUMBER AND THE FEDERAL TAX I.D. NUMBER OF THIS GRANTEE IS TO AVOID CONFUSION BETWEEN THIS GRANTEE AND ANY OTHER LIMITED LIABILITY COMPANY OF THE SAME OR SIMILAR NAME.

Together with all the tenements, hereditaments and appurtenances thereto belonging or in anywise appertaining.

To Have and to Hold, the same in fee simple forever.

And subject to taxes for the current year and later years and all valid easements and restrictions of record, if any, which are not hereby reimposed; and also subject to any claim, right, title or interest arising from any recorded instrument reserving, conveying, leasing, or otherwise alienating any interest in the oil, gas and other minerals. And grantor does warrant the title to said land and will defend the same against the lawful claims of all persons whomsoever, subject only to the exceptions set forth herein.

FS 0030

Notice of Authorization

I, Dave Simque, do hereby authorize Melanie Roder or Linda Roder,

To be my representative and act on my behalf in all aspects of applying for a

Building permit to be located in Columbia County.

Contractor's signature

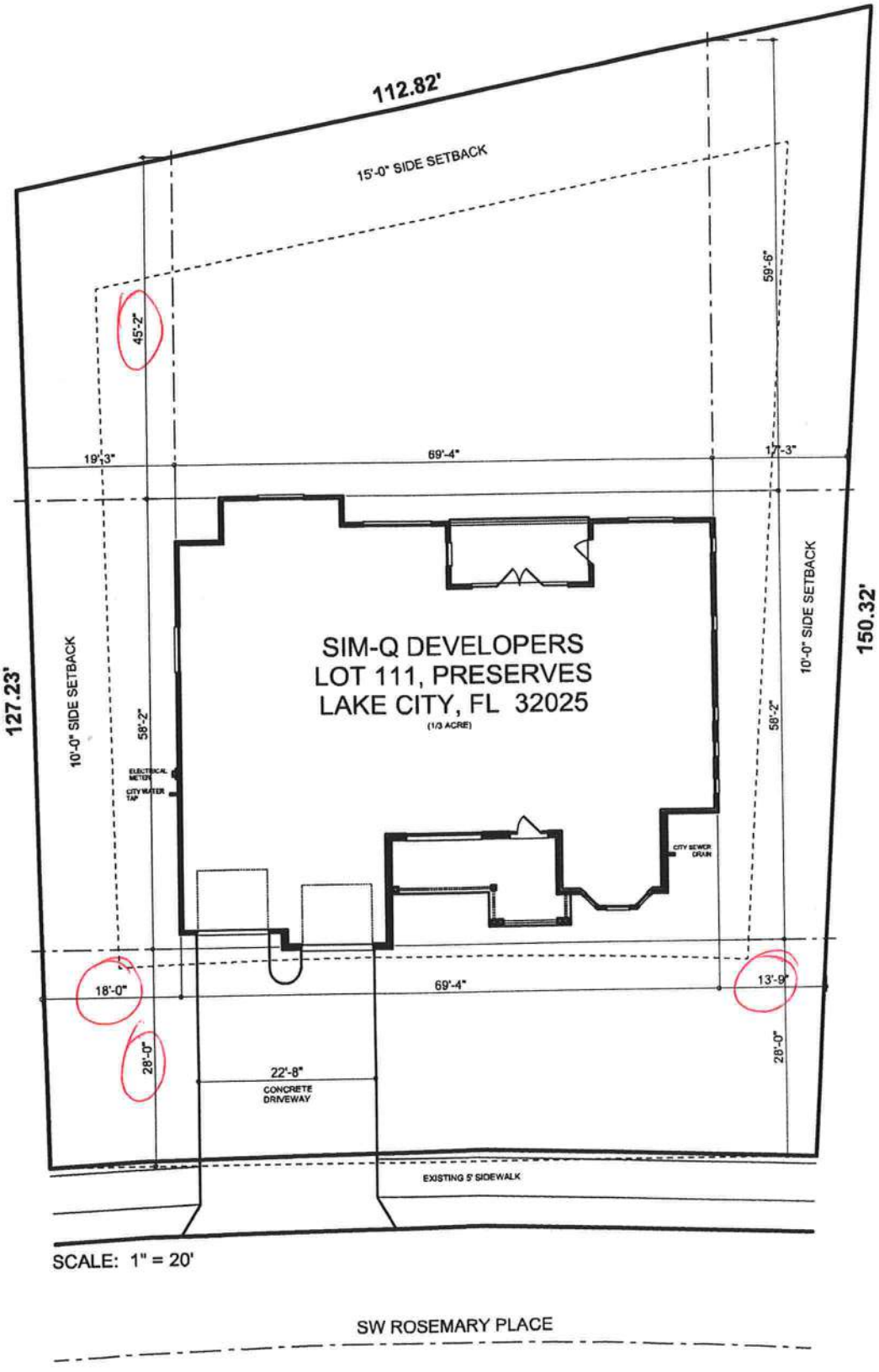
Date

Sworn and subscribed before me this 8 day of Jan, 2008

Notary Public

Linda R. Roder
Commission #DD303275
Expires: Mar 24, 2008
Bonded Thru
Atlantic Bonding Co., Inc.

Personally known ✓
Produced ID (Type): _____


112.82'
15'-0" SIDE SETBACK
45'-2"
59'-6"
19'-3"
69'-4"
17'-3"
127.23'
10'-0" SIDE SETBACK
SIM-Q DEVELOPERS
LOT 111, PRESERVES
LAKE CITY, FL 32025
(1/3 ACRE)
58'-2"
ELECTRICAL METER
CITY WATER TAP
CITY SEWER CLEAN
10'-0" SIDE SETBACK
150.32'
18'-0"
69'-4"
13'-9"
28'-0"
22'-8"
CONCRETE DRIVEWAY
28'-0"
EXISTING 5' SIDEWALK
SCALE: 1" = 20'
SW ROSEMARY PLACE

Residential System Sizing Calculation

Summary

Model Home

Lake City, FL 32025-

Project Title:
Sim-Q Developers

Code Only
Professional Version
Climate: North

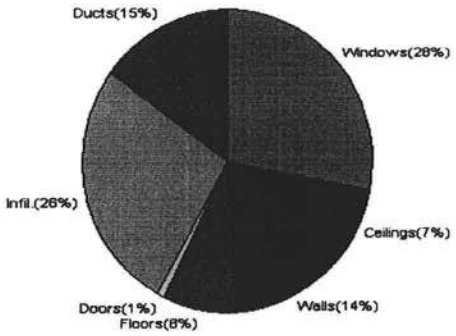
1/2/2008

Location for weather data: Gainesville - Defaults: Latitude(29) Altitude(152 ft.) Temp Range(M) Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(54gr.)					
Winter design temperature	33	F	Summer design temperature	92	F
Winter setpoint	70	F	Summer setpoint	75	F
Winter temperature difference	37	F	Summer temperature difference	17	F
Total heating load calculation	**51754**	**Btuh**	**Total cooling load calculation**	**74598**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	119.8	62000	Sensible (SHR = 0.75)	77.2	46500
Heat Pump + Auxiliary(0.0kW)	119.8	62000	Latent	107.9	15500
			Total (Electric Heat Pump)	83.1	62000

WINTER CALCULATIONS

Winter Heating Load (for 2809 sqft)

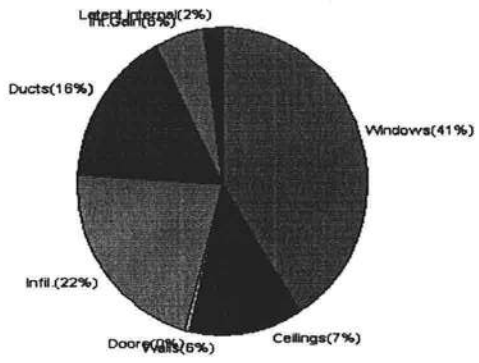
Load component			Load	
Window total	455	sqft	14657	Btuh
Wall total	2197	sqft	7214	Btuh
Door total	38	sqft	492	Btuh
Ceiling total	3100	sqft	3653	Btuh
Floor total	262	sqft	4285	Btuh
Infiltration	337	cfm	13654	Btuh
Duct loss			7799	Btuh
Subtotal			**51754**	**Btuh**
Ventilation	0	cfm	0	Btuh
TOTAL HEAT LOSS			**51754**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 2809 sqft)

Load component			Load	
Window total	455	sqft	30581	Btuh
Wall total	2197	sqft	4390	Btuh
Door total	38	sqft	372	Btuh
Ceiling total	3100	sqft	5134	Btuh
Floor total			0	Btuh
Infiltration	295	cfm	5489	Btuh
Internal gain			4240	Btuh
Duct gain			10033	Btuh
Sens. Ventilation	0	cfm	0	Btuh
Total sensible gain			**60239**	**Btuh**
Latent gain(ducts)			1981	Btuh
Latent gain(infiltration)			10779	Btuh
Latent gain(ventilation)			0	Btuh
Latent gain(internal/occupants/other)			1600	Btuh
Total latent gain			**14359**	**Btuh**
TOTAL HEAT GAIN			**74598**	**Btuh**



Powered by ACCA MANUAL J

Version 8
For Florida residences only

EnergyGauge® System Sizing
PREPARED BY: _____
DATE: 1-2-08

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Model Home
Lake City, FL 32025-

Project Title:
Sim-Q Developers

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F

1/2/2008

Component Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	W	30.0	32.2	966 Btuh
2	2, Clear, Metal, 0.87	W	105.0	32.2	3380 Btuh
3	2, Clear, Metal, 0.87	N	21.0	32.2	676 Btuh
4	2, Clear, Metal, 0.87	W	80.0	32.2	2575 Btuh
5	2, Clear, Metal, 0.87	S	20.0	32.2	644 Btuh
6	2, Clear, Metal, 0.87	N	42.0	32.2	1352 Btuh
7	2, Clear, Metal, 0.87	N	4.0	32.2	129 Btuh
8	2, Clear, Metal, 0.87	N	8.0	32.2	258 Btuh
9	2, Clear, Metal, 0.87	NE	12.0	32.2	386 Btuh
10	2, Clear, Metal, 0.87	E	18.0	32.2	579 Btuh
11	2, Clear, Metal, 0.87	SE	12.0	32.2	386 Btuh
12	2, Clear, Metal, 0.87	E	13.3	32.2	429 Btuh
13	2, Clear, Metal, 0.87	E	60.0	32.2	1931 Btuh
14	2, Clear, Metal, 0.87	S	30.0	32.2	966 Btuh
	Window Total		455(sqft)		14657 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1864	3.3	6120 Btuh
2	Frame - Wood - Adj(0.09)	13.0	333	3.3	1094 Btuh
	Wall Total		2197		7214 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exterior		18	12.9	233 Btuh
2	Insulated - Exterior		20	12.9	259 Btuh
	Door Total		38		492Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin	30.0	3100	1.2	3653 Btuh
	Ceiling Total		3100		3653Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	5	262.0 ft(p)	16.4	4285 Btuh
	Floor Total		262		4285 Btuh
				Envelope Subtotal:	30301 Btuh
Infiltration	Type	ACH X	Volume(cuft)	walls(sqft) CFM=	
	Natural	0.80	25281	2197 337.1	13654 Btuh
Ductload				(DLM of 0.177)	7799 Btuh
All Zones			**Sensible Subtotal All Zones**		**51754 Btuh**

Manual J Winter Calculations

Residential Load - Component Details (continued)

Model Home

Lake City, FL 32025-

Project Title:
Sim-Q Developers

Code Only
Professional Version
Climate: North

1/2/2008

WHOLE HOUSE TOTALS

	Subtotal Sensible	51754 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	51754 Btuh

EQUIPMENT

1. Electric Heat Pump	#	62000 Btuh

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(Frame types - metal, wood or insulated metal)
(U - Window U-Factor or 'DEF' for default)
(HTM - ManualJ Heat Transfer Multiplier)
Key: Floor size (perimeter(p) for slab-on-grade or area for all other floor types)

Version 8
For Florida residences only

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

Model Home
Lake City, FL 32025-

Project Title:
Sim-Q Developers

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F

1/2/2008

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	W	30.0	32.2	966 Btuh
2	2, Clear, Metal, 0.87	W	105.0	32.2	3380 Btuh
3	2, Clear, Metal, 0.87	N	21.0	32.2	676 Btuh
4	2, Clear, Metal, 0.87	W	80.0	32.2	2575 Btuh
5	2, Clear, Metal, 0.87	S	20.0	32.2	644 Btuh
6	2, Clear, Metal, 0.87	N	42.0	32.2	1352 Btuh
7	2, Clear, Metal, 0.87	N	4.0	32.2	129 Btuh
8	2, Clear, Metal, 0.87	N	8.0	32.2	258 Btuh
9	2, Clear, Metal, 0.87	NE	12.0	32.2	386 Btuh
10	2, Clear, Metal, 0.87	E	18.0	32.2	579 Btuh
11	2, Clear, Metal, 0.87	SE	12.0	32.2	386 Btuh
12	2, Clear, Metal, 0.87	E	13.3	32.2	429 Btuh
13	2, Clear, Metal, 0.87	E	60.0	32.2	1931 Btuh
14	2, Clear, Metal, 0.87	S	30.0	32.2	966 Btuh
	Window Total		455(sqft)		14657 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1864	3.3	6120 Btuh
2	Frame - Wood - Adj(0.09)	13.0	333	3.3	1094 Btuh
	Wall Total		2197		7214 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exterior		18	12.9	233 Btuh
2	Insulated - Exterior		20	12.9	259 Btuh
	Door Total		38		492Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin	30.0	3100	1.2	3653 Btuh
	Ceiling Total		3100		3653Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	5	262.0 ft(p)	16.4	4285 Btuh
	Floor Total		262		4285 Btuh
			Zone Envelope Subtotal:		30301 Btuh
Infiltration	Type	ACH X	Volume(cuft)	walls(sqft) CFM=	
	Natural	0.80	25281	2197 337.1	13654 Btuh
Ductload	Average sealed, Supply(R6.0-Attic), Return(R6.0-Attic) (DLM of 0.177)				7799 Btuh
Zone #1			**Sensible Zone Subtotal**		**51754 Btuh**

Manual J Winter Calculations

Residential Load - Component Details (continued)

Model Home

Lake City, FL 32025-

Project Title:
Sim-Q Developers

Code Only
Professional Version
Climate: North

1/2/2008

WHOLE HOUSE TOTALS

	Subtotal Sensible	51754 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	51754 Btuh

EQUIPMENT

1. Electric Heat Pump	#	62000 Btuh

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(Frame types - metal, wood or insulated metal)
(U - Window U-Factor or 'DEF' for default)
(HTM - ManualJ Heat Transfer Multiplier)
Key: Floor size (perimeter(p) for slab-on-grade or area for all other floor types)

Version 8
For Florida residences only

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Model Home

Lake City, FL 32025-

Project Title:
Sim-Q Developers

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F 1/2/2008

Component Loads for Whole House

Window	Type* Pn/SHGC/U/InSh/ExSh/IS	Ornt	Overhang Len	Hgt	Window Area(sqft) Gross	Shaded	Unshaded	HTM Shaded	Unshaded	Load
1	2, Clear, 0.87, None,N,N	W	1.5ft	8ft.	30.0	0.0	30.0	29	80	2385 Btuh
2	2, Clear, 0.87, None,N,N	W	1.5ft	11ft.	105.0	0.0	105.0	29	80	8349 Btuh
3	2, Clear, 0.87, None,N,N	N	5.5ft	11ft.	21.0	0.0	21.0	29	29	608 Btuh
4	2, Clear, 0.87, None,N,N	W	9.5ft	11ft.	80.0	42.6	37.4	29	80	4207 Btuh
5	2, Clear, 0.87, None,N,N	S	5.5ft	11ft.	20.0	20.0	0.0	29	34	579 Btuh
6	2, Clear, 0.87, None,N,N	N	1.5ft	11ft.	42.0	0.0	42.0	29	29	1216 Btuh
7	2, Clear, 0.87, None,N,N	N	1.5ft	11ft.	4.0	0.0	4.0	29	29	116 Btuh
8	2, Clear, 0.87, None,N,N	N	1.5ft	11ft.	8.0	0.0	8.0	29	29	232 Btuh
9	2, Clear, 0.87, None,N,N	NE	1.5ft	10ft.	12.0	0.0	12.0	29	60	720 Btuh
10	2, Clear, 0.87, None,N,N	E	1.5ft	10ft.	18.0	0.0	18.0	29	80	1431 Btuh
11	2, Clear, 0.87, None,N,N	SE	1.5ft	10ft.	12.0	0.0	12.0	29	63	750 Btuh
12	2, Clear, 0.87, None,N,N	E	13ft.	11ft.	13.3	12.9	0.4	29	80	407 Btuh
13	2, Clear, 0.87, None,N,N	E	8.5ft	11ft.	60.0	20.5	39.5	29	80	3732 Btuh
14	2, Clear, 0.87, None,N,N	S	1.5ft	9ft.	30.0	30.0	0.0	29	34	869 Btuh
	Excursion									4977 Btuh
	Window Total				455 (sqft)					30581 Btuh

Walls	Type	R-Value/U-Value	Area(sqft)	HTM	Load
1	Frame - Wood - Ext	13.0/0.09	1863.7	2.1	3887 Btuh
2	Frame - Wood - Adj	13.0/0.09	333.0	1.5	502 Btuh
	Wall Total		2197 (sqft)		4390 Btuh

Doors	Type	Area (sqft)	HTM	Load
1	Insulated - Exterior	18.0	9.8	176 Btuh
2	Insulated - Exterior	20.0	9.8	196 Btuh
	Door Total	38 (sqft)		372 Btuh

Ceilings	Type/Color/Surface	R-Value	Area(sqft)	HTM	Load
1	Vented Attic/DarkShingle	30.0	3100.0	1.7	5134 Btuh
	Ceiling Total		3100 (sqft)		5134 Btuh

Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	5.0	262 (ft(p))	0.0	0 Btuh
	Floor Total		262.0 (sqft)		0 Btuh

			Envelope Subtotal:		40477 Btuh
Infiltration	Type	ACH	Volume(cuft)	wall area(sqft)	CFM=	Load
	SensibleNatural	0.70	25281	2197	337.1	5489 Btuh
Internal gain		Occupants	Btuh/occupant		Appliance	Load
		8	X 230	+	2400	4240 Btuh
			Sensible Envelope Load:			50206 Btuh
Duct load			(DGM of 0.200)			10033 Btuh
			Sensible Load All Zones			**60239 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Model Home

Lake City, FL 32025-

Project Title:
Sim-Q Developers

Code Only
Professional Version
Climate: North

1/2/2008

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	**Sensible Envelope Load All Zones**	**50206 Btuh**
	Sensible Duct Load	10033 Btuh
	Total Sensible Zone Loads	**60239 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	**60239 Btuh**
	Latent infiltration gain (for 54 gr. humidity difference)	10779 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	1981 Btuh
	Latent occupant gain (8 people @ 200 Btuh per person)	1600 Btuh
	Latent other gain	0 Btuh
	Latent total gain	**14359 Btuh**
	TOTAL GAIN	**74598 Btuh**

EQUIPMENT

1. Central Unit	#	62000 Btuh

*Key: Window types (Pn - Number of panes of glass)
(SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(U - Window U-Factor or 'DEF' for default)
(InSh - Interior shading device: none(N), Blinds(B), Draperies(D) or Roller Shades(R))
(ExSh - Exterior shading device: none(N) or numerical value)
(BS - Insect screen: none(N), Full(F) or Half(H))
(Ornt - compass orientation)

Version 8
For Florida residences only

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

Model Home

Lake City, FL 32025-

Project Title:
Sim-Q Developers

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F

1/2/2008

Component Loads for Zone #1: Main

Window	Type* Pn/SHGC/U/InSh/ExSh/IS	Ornt	Overhang Len	Hgt	Window Area(sqft) Gross	Shaded	Unshaded	HTM Shaded	Unshaded	Load
1	2, Clear, 0.87, None,N,N	W	1.5ft	8ft.	30.0	0.0	30.0	29	80	2385 Btuh
2	2, Clear, 0.87, None,N,N	W	1.5ft	11ft.	105.0	0.0	105.0	29	80	8349 Btuh
3	2, Clear, 0.87, None,N,N	N	5.5ft	11ft.	21.0	0.0	21.0	29	29	608 Btuh
4	2, Clear, 0.87, None,N,N	W	9.5ft	11ft.	80.0	42.6	37.4	29	80	4207 Btuh
5	2, Clear, 0.87, None,N,N	S	5.5ft	11ft.	20.0	20.0	0.0	29	34	579 Btuh
6	2, Clear, 0.87, None,N,N	N	1.5ft	11ft.	42.0	0.0	42.0	29	29	1216 Btuh
7	2, Clear, 0.87, None,N,N	N	1.5ft	11ft.	4.0	0.0	4.0	29	29	116 Btuh
8	2, Clear, 0.87, None,N,N	N	1.5ft	11ft.	8.0	0.0	8.0	29	29	232 Btuh
9	2, Clear, 0.87, None,N,N	NE	1.5ft	10ft.	12.0	0.0	12.0	29	60	720 Btuh
10	2, Clear, 0.87, None,N,N	E	1.5ft	10ft.	18.0	0.0	18.0	29	80	1431 Btuh
11	2, Clear, 0.87, None,N,N	SE	1.5ft	10ft.	12.0	0.0	12.0	29	63	750 Btuh
12	2, Clear, 0.87, None,N,N	E	13ft.	11ft.	13.3	12.9	0.4	29	80	407 Btuh
13	2, Clear, 0.87, None,N,N	E	8.5ft	11ft.	60.0	20.5	39.5	29	80	3732 Btuh
14	2, Clear, 0.87, None,N,N	S	1.5ft	9ft.	30.0	30.0	0.0	29	34	869 Btuh
	Window Total				455 (sqft)					25603 Btuh

Walls	Type	R-Value/U-Value	Area(sqft)	HTM	Load
1	Frame - Wood - Ext	13.0/0.09	1863.7	2.1	3887 Btuh
2	Frame - Wood - Adj	13.0/0.09	333.0	1.5	502 Btuh
	Wall Total		2197 (sqft)		4390 Btuh

Doors	Type	Area (sqft)	HTM	Load
1	Insulated - Exterior	18.0	9.8	176 Btuh
2	Insulated - Exterior	20.0	9.8	196 Btuh
	Door Total	38 (sqft)		372 Btuh

Ceilings	Type/Color/Surface	R-Value	Area(sqft)	HTM	Load
1	Vented Attic/DarkShingle	30.0	3100.0	1.7	5134 Btuh
	Ceiling Total		3100 (sqft)		5134 Btuh

Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	5.0	262 (ft(p))	0.0	0 Btuh
	Floor Total		262.0 (sqft)		0 Btuh

			Zone Envelope Subtotal:		35499 Btuh
Infiltration	Type	ACH	Volume(cuft) wall area(sqft)	CFM=	Load
	SensibleNatural	0.70	25281 2197	294.9	5489 Btuh
Internal gain		Occupants	Btuh/occupant	Appliance	Load
		8	X 230 +	2400	4240 Btuh
			Sensible Envelope Load:		45228 Btuh
Duct load	Average sealed, Supply(R6.0-Attic), Return(R6.0-Attic)			(DGM of 0.200)	9038 Btuh
			Sensible Zone Load		**54267 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Model Home

Lake City, FL 32025-

Project Title:
Sim-Q Developers

Code Only
Professional Version
Climate: North

1/2/2008

The following window Excursion will be assigned to the system loads.

Windows	July excursion for System 1	4977 Btuh
	Excursion Subtotal:	4977 Btuh
Duct load		995 Btuh
	Sensible Excursion Load	**5972 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Model Home

Lake City, FL 32025-

Project Title:
Sim-Q Developers

Code Only
Professional Version
Climate: North

1/2/2008

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	**Sensible Envelope Load All Zones**	**50206 Btuh**
	Sensible Duct Load	10033 Btuh
	Total Sensible Zone Loads	**60239 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	**60239 Btuh**
	Latent infiltration gain (for 54 gr. humidity difference)	10779 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	1981 Btuh
	Latent occupant gain (8 people @ 200 Btuh per person)	1600 Btuh
	Latent other gain	0 Btuh
	Latent total gain	**14359 Btuh**
	TOTAL GAIN	**74598 Btuh**

EQUIPMENT

1. Central Unit	#	62000 Btuh

*Key: Window types (Pn - Number of panes of glass)
(SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(U - Window U-Factor or 'DEF' for default)
(InSh - Interior shading device: none(N), Blinds(B), Draperies(D) or Roller Shades(R))
(ExSh - Exterior shading device: none(N) or numerical value)
(BS - Insect screen: none(N), Full(F) or Half(H))
(Ornt - compass orientation)

Version 8
For Florida residences only

Residential Window Diversity

MidSummer

Model Home

Lake City, FL 32025-

Project Title:
Sim-Q Developers

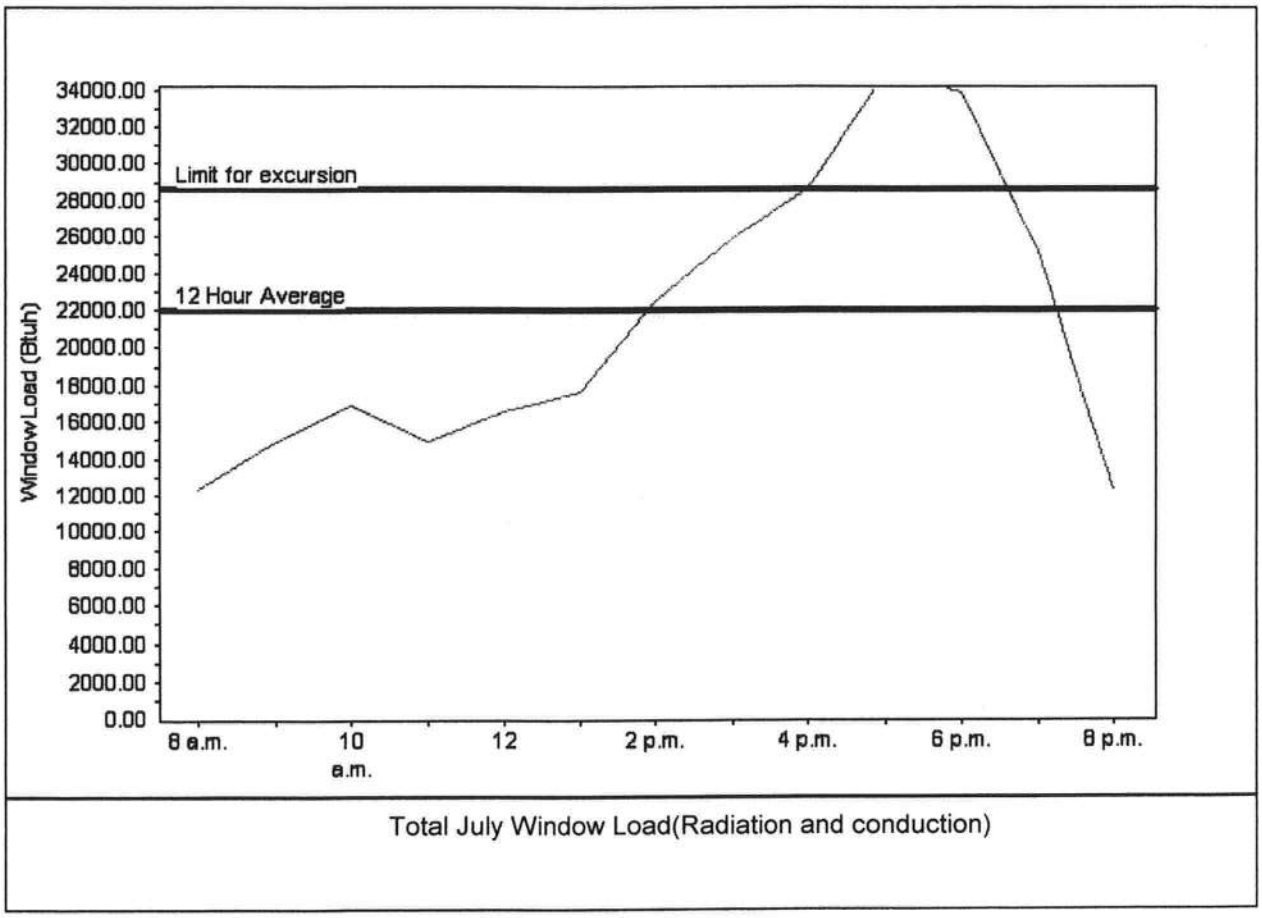
Code Only
Professional Version
Climate: North

1/2/2008

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	22025 Btu
Summer setpoint	75 F	Peak window load for July	34939 Btu
Summer temperature difference	17 F	Excusion limit(130% of Ave.)	28633 Btu
Latitude	29 North	Window excursion (July)	6307 Btuh

WINDOW Average and Peak Loads



Total July Window Load(Radiation and conduction)

This application has glass areas that produce large heat gains for part of the day. Variable air volume devices are required to overcome spikes in solar gain for one or more rooms. Install a zoned system or provide zone control for problem rooms. Single speed equipment may not be suitable for the application.

EnergyGauge® System Sizing for Florida residences only

PREPARED BY: _____

DATE: _____

COLUMBIA COUNTY BUILDING DEPARTMENT

RESIDENTIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST FOR FLORIDA BUILDING CODE 2001 ONE (1) AND TWO (2) FAMILY DWELLINGS

ALL REQUIREMENTS ARE SUBJECT TO CHANGE
EFFECTIVE MARCH 1, 2002

ALL BUILDING PLANS MUST INDICATE THE FOLLOWING ITEMS AND INDICATE COMPLIANCE WITH CHAPTER 1606 OF THE FLORIDA BUILDING CODE 2001 BY PROVIDING CALCULATIONS AND DETAILS THAT HAVE THE SEAL AND SIGNATURE OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA, OR ALTERNATE METHODOLOGIES, APPROVED BY THE STATE OF FLORIDA BUILDING COMMISSION FOR ONE-AND-TWO FAMILY DWELLINGS. FOR DESIGN PURPOSES THE FOLLOWING BASIC WIND SPEED AS PER FIGURE 1606 SHALL BE USED.

WIND SPEED LINE SHALL BE DEFINED AS FOLLOWS: THE CENTERLINE OF INTERSTATE 75.

1. ALL BUILDINGS CONSTRUCTED EAST OF SAID LINE SHALL BE -------- 100 MPH
2. ALL BUILDINGS CONSTRUCTED WEST OF SAID LINE SHALL BE --------110 MPH
3. NO AREA IN COLUMBIA COUNTY IS IN A WIND BORNE DEBRIS REGION

APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

GENERAL REQUIREMENTS: Two (2) complete sets of plans containing the following:

Applicant	Plans Examiner	
☑	☐	All drawings must be clear, concise and drawn to scale ("Optional " details that are not used shall be marked void or crossed off). Square footage of different areas shall be shown on plans.
☑	☐	Designers name and signature on document (FBC 104.2.1). If licensed architect or engineer, official seal shall be affixed.
☑	☐	**Site Plan including:** a) Dimensions of lot b) Dimensions of building set backs c) Location of all other buildings on lot, well and septic tank if applicable, and all utility easements. d) Provide a full legal description of property.
☑	☐	**Wind-load Engineering Summary, calculations and any details required** a) Plans or specifications must state compliance with FBC Section 1606 b) The following information must be shown as per section 1606.1.7 FBC a. Basic wind speed (MPH) b. Wind importance factor (I) and building category c. Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated d. The applicable internal pressure coefficient e. Components and Cladding. The design wind pressure in terms of psf (kN/m²), to be used for the design of exterior component and cladding materials not specifally designed by the registered design professional
☑	☐	**Elevations including:**
☑	☐	a) All sides
☑	☐	b) Roof pitch
☑	☐	c) Overhang dimensions and detail with attic ventilation
☑	☐	d) Location, size and height above roof of chimneys
☑	☐	e) Location and size of skylights
☑	☐	f) Building height
☑	☐	e) Number of stories

Floor Plan including:

- ☑ ☐ a) Rooms labeled and dimensioned
- ☑ ☐ b) Shear walls
- ☑ ☐ c) Windows and doors (including garage doors) showing size, mfg., approval listing and attachment specs. (FBC 1707) and safety glazing where needed (egress windows in bedrooms to be shown)
- ☐ ☐ d) Fireplaces (gas appliance) (vented or non-vented) or wood burning with hearth
- ☐ ☐ e) Stairs with dimensions (width, tread and riser) and details of guardrails and handrails
- ☑ ☐ f) Must show and identify accessibility requirements (accesssable bathroom)

Foundation Plan including:

- ☑ ☐ a) Location of all load-bearing wall with required footings indicated as standard Or monolithic and dimensions and reinforcing
- ☑ ☐ b) All posts and/or column footing including size and reinforcing
- ☑ ☐ c) Any special support required by soil analysis such as piling
- ☑ ☐ d) Location of any vertical steel

Roof System:

- ☑ ☐ a) Truss package including:
  1. Truss layout and truss details signed and sealed by Fl. Pro. Eng.
  2. Roof assembly (FBC 104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
- ☑ ☐ b) Conventional Framing Layout including:
  1. Rafter size, species and spacing
  2. Attachment to wall and uplift
  3. Ridge beam sized and valley framing and support details
  4. Roof assembly (FBC 104.2.1 Roofing systems, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)

Wall Sections including:

- ☐ ☐ a) Masonry wall
  1. All materials making up wall
  2. Block size and mortar type with size and spacing of reinforcement
  3. Lintel, tie-beam sizes and reinforcement
  4. Gable ends with rake beams showing reinforcement or gable truss and wall bracing details
  5. All required connectors with uplift rating and required number and size of fasteners for continuous tie from roof to foundation
  6. Roof assembly shown here or on roof system detail (FBC 104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with resistance rating)
  7. Fire resistant construction (if required)
  8. Fireproofing requirements
  9. Shoe type of termite treatment (termiticide or alternative method)
  10. Slab on grade
      a. Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed)
      b. Must show control joints, synthetic fiber reinforcement or Welded fire fabric reinforcement and supports
  11. Indicate where pressure treated wood will be placed
  12. Provide insulation R value for the following:
      a. Attic space
      b. Exterior wall cavity
      c. Crawl space (if applicable)

☑ ☐ b) Wood frame wall

1. All materials making up wall
2. Size and species of studs
3. Sheathing size, type and nailing schedule
4. Headers sized
5. Gable end showing balloon framing detail or gable truss and wall hinge bracing detail
6. All required fasteners for continuous tie from roof to foundation (truss anchors, straps, anchor bolts and washers)
7. Roof assembly shown here or on roof system detail (FBC104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
8. Fire resistant construction (if applicable)
9. Fireproofing requirements
10. Show type of termite treatment (termiticide or alternative method)
11. Slab on grade
    a. Vapor retarder (6Mil. Polyethylene with joints lapped 6 inches and sealed
    b. Must show control joints, synthetic fiber reinforcement or welded wire fabric reinforcement and supports
12. Indicate where pressure treated wood will be placed
13. Provide insulation R value for the following:
    a. Attic space
    b. Exterior wall cavity
    c. Crawl space (if applicable)

☐ ☐ c) Metal frame wall and roof (designed, signed and sealed by Florida Prof. Engineer or Architect)

Floor Framing System:

☑ ☐ a) Floor truss package including layout and details, signed and sealed by Florida Registered Professional Engineer

☑ ☐ b) Floor joist size and spacing

☑ ☐ c) Girder size and spacing

☑ ☐ d) Attachment of joist to girder

☑ ☐ e) Wind load requirements where applicable

Plumbing Fixture layout

Electrical layout including:

☑ ☐ a) Switches, outlets/receptacles, lighting and all required GFCI outlets identified

☑ ☐ b) Ceiling fans

☑ ☐ c) Smoke detectors

☑ ☐ d) Service panel and sub-panel size and location(s)

☑ ☐ e) Meter location with type of service entrance (overhead or underground)

☑ ☐ f) Appliances and HVAC equipment

HVAC information

☑ ☐ a) Manual J sizing equipment or equivalent computation

☑ ☐ b) Exhaust fans in bathroom

☑ ☐ **Energy Calculations** (dimensions shall match plans)

☑ ☐ **Gas System** Type (LP or Natural) Location and BTU demand of equipment

Disclosure Statement for Owner Builders

Notice Of Commencement

Private Potable Water

a) Size of pump motor

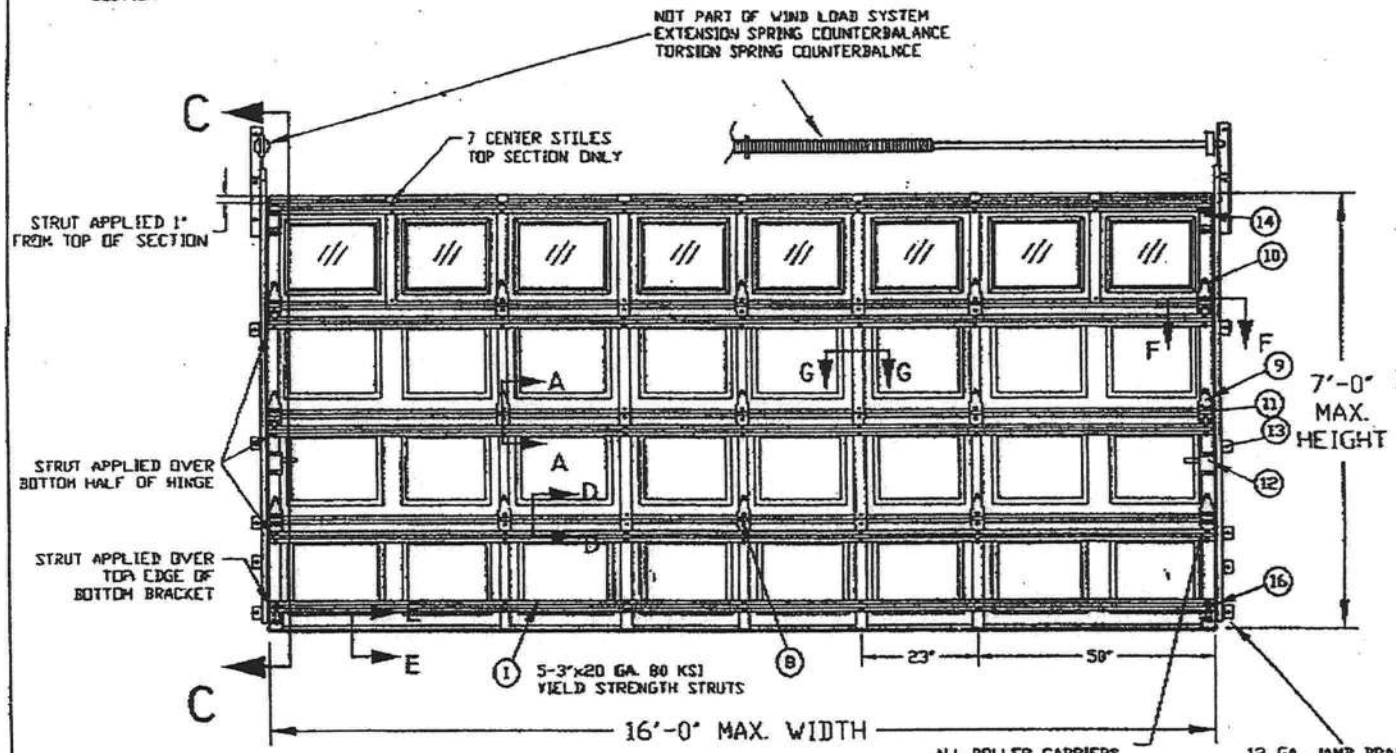
b) Size of pressure tank

c) Cycle stop valve if used

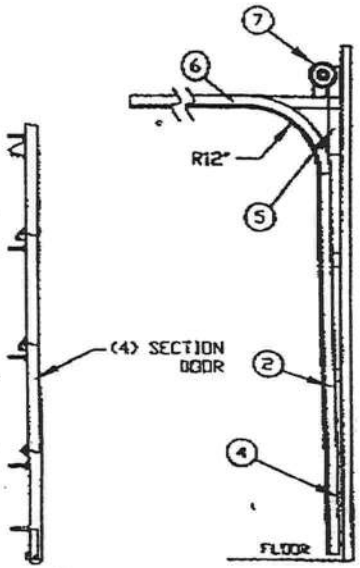
REV.	DATE	BY	DESCRIPTION
A - A	11-10-00	DW	SEE E.C.N. 831

NOTES:

1. TESTED TO POSITIVE AND NEGATIVE 20 PSF DESIGN AND POSITIVE AND NEGATIVE 30 PSF TEST PRESSURES PER ASTM E-330
2. MAXIMUM SECTION HEIGHT= 21"
3. SECTION HEIGHTS OF 21.00" AND 19.50" ARE AVAILABLE AND MAY BE USED IN ANY COMBINATION TO ACHIEVE VARIOUS DOOR HEIGHTS.
4. WINDOWS MAY BE INSTALLED IN THE TOP SECTION (AS TESTED WITH 1/8" DSB GLASS OR EQUIVALENT) OR IN THE SECTION IMMEDIATELY BELOW THE TOP SECTION.
5. MINIMUM LENGTH OF ROLLER STEM IS 5½" (7" AS TESTED)
6. THE STRUT PLACEMENT ON DOOR MUST BE CONSISTENT WITH THE DOOR SHOWN.
7. STRUTS SECURED AT ALL LOCATIONS WITH TEK SCREWS.
8. QUANTITY OF SIDE LOCKS CAN BE 0,1, OR 2 AS TESTED.
9. DROP IN TYPE OF INSULATION IS OPTIONAL



INSIDE ELEVATION



SEC C-C
VERTICAL TRACK, (16 GA.)

The seal on this drawing only certifies that the product(s) illustrated and described herein represent the configuration(s) of the door as tested.

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL PE No. 024280 ENGINEER R. KEYVAN

LISTED SBCCI PST & ESI
REPORT No. 2202

TEST REPORTS ON FILE: VIDEO 10/19/00 (00293)

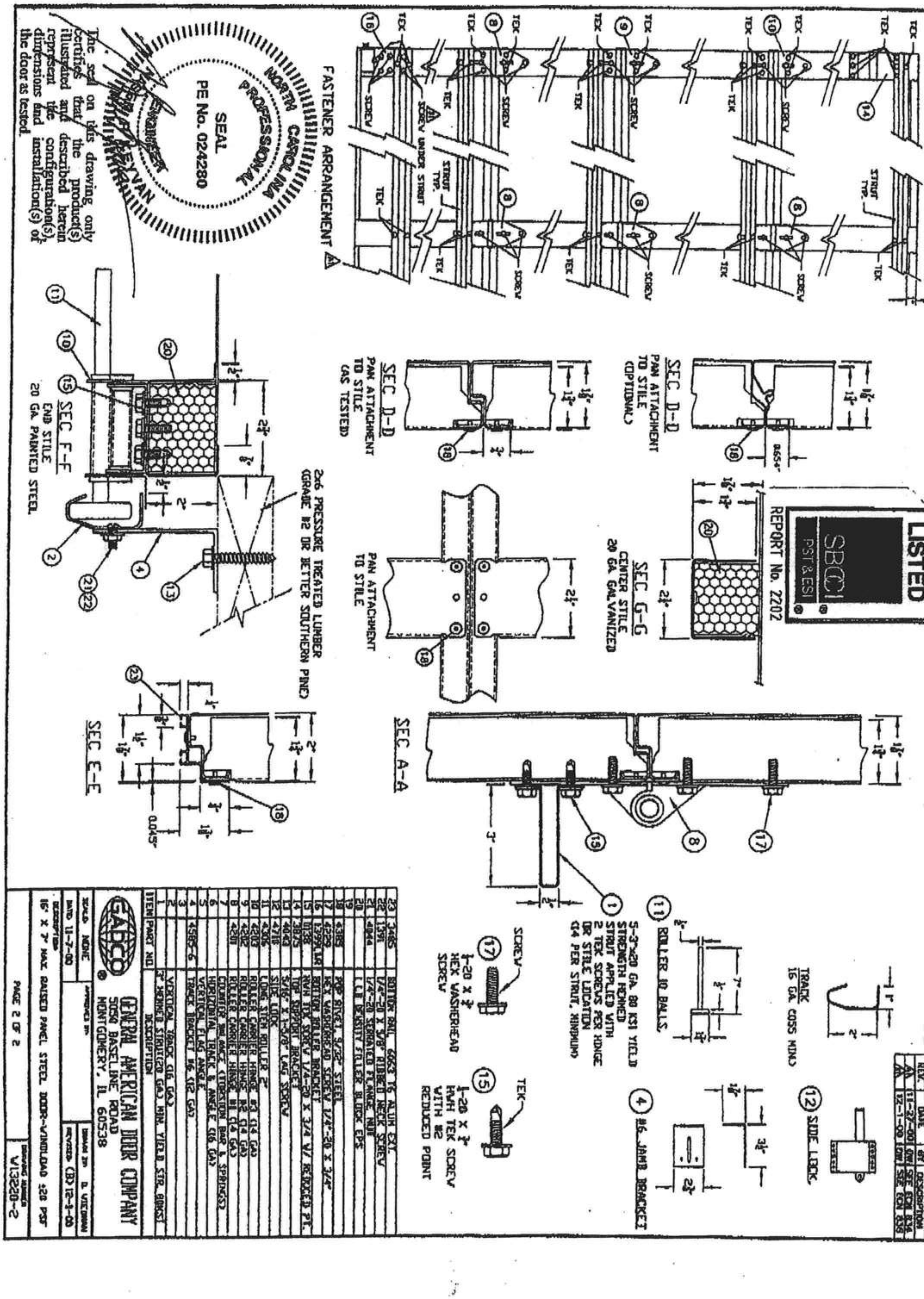
DESIGN LOAD +20.0 PSF & -20.0 PSF
TEST LOAD +30.0 PSF & -30.0 PSF

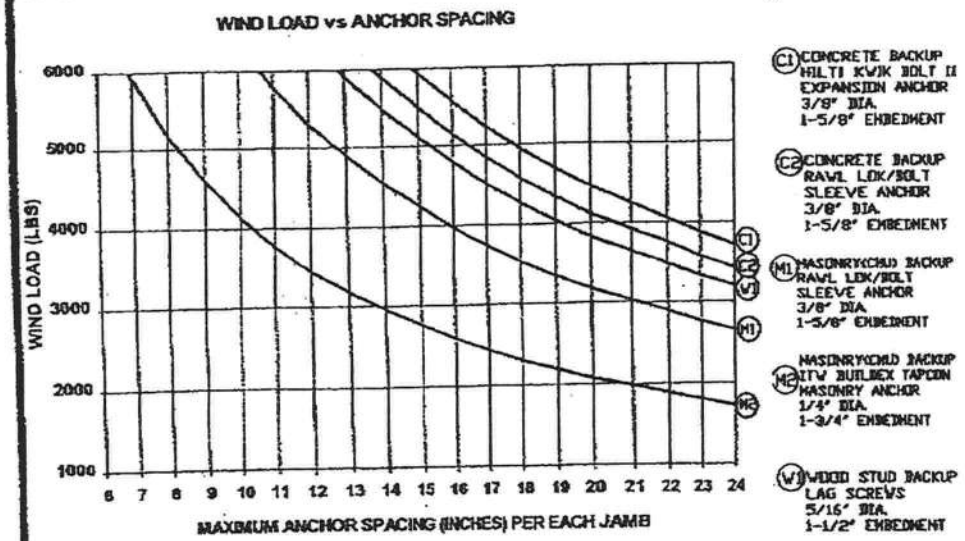
GADCO DOORS
SERIES 7400, EXTERIOR STEEL =.017 MIN (AS TESTED)
SERIES 7825, EXTERIOR STEEL =.019" MIN ⚠
SERIES 7524, EXTERIOR STEEL =.024" MIN ⚠
(TESTED) WITH WINDOWS

MAXIMUM DOOR WIDTH	MAXIMUM DOOR HEIGHT	TYPICAL CTR. STILE SPACING	STRUTS 80 KSI SIZE	STRUTS 80 KSI QTY.	VERTICAL TRACK
16'	7'	23"	3"	5	2 IN.

GADCO
GENERAL AMERICAN DOOR COMPANY
5050 BASELINE ROAD
MONTGOMERY, IL 60538

SCALE: 1/3 | APPROVED BY: | DRAWN BY: D. WIEDMAN
DATE: 10-20-00 | REVISED: (A) 11-10-00
DESCRIPTION: 16' X 7' MAX. RAISED PANEL STEEL DOOR -WINDLOAD ±20 PSF
PART NUMBER: PAGE 1 OF 2 | DRAWING NUMBER: W13220-1


FASTENER ARRANGEMENT
SEAL
PE No. 024280
NORTH CAROLINA
PROFESSIONAL
The seal on this drawing only certifies that the product(s) illustrated and described herein represent the configuration(s), dimensions and installation(s) of the door as tested.
SEC D-D
PAN ATTACHMENT TO STILE (OPTIONAL)
SEC D-D
PAN ATTACHMENT TO STILE (AS TESTED)
SEC F-F
END STILE
20 GA PAINTED STEEL
2x6 PRESSURE TREATED LUMBER (GRADE #2 OR BETTER SOUTHERN PINE)
PAN ATTACHMENT TO STILE
SEC G-G
CENTER STILE
20 GA GALVANIZED
LISTED
SBCCI
PST & ESI
REPORT No. 2202
SEC E-E
SEC A-A
TRACK
16 GA (.055 MIN)
ROLLER 10 BALLS
SIDE LOCK
#6 JAMB BRACKET
GENERAL AMERICAN DOOR COMPANY
5050 BASELINE ROAD
MONTGOMERY, IL 60538
16' X 7' MAX RAISED PANEL STEEL DOOR-WINDLOAD ±28 PSF
PAGE 2 OF 2



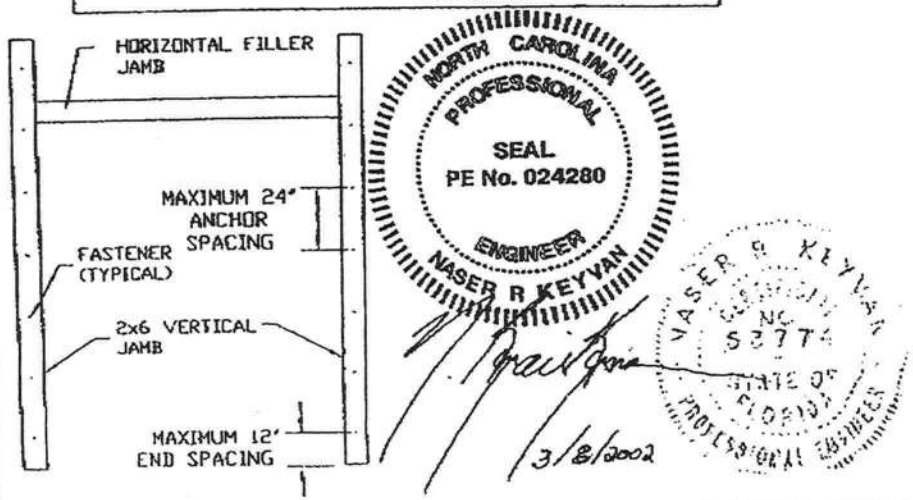
DESIGN LOAD (LBS/FT²) X GARAGE DOOR AREA(WIDTH-FT X HEIGHT-FT) = WIND LOAD(LBS)

EXAMPLE

30 LBS/FT² X (16 FT WIDE X 8 FT HIGH) = 3840 LBS

- C1 USE 22" SPACING
- C2 USE 21" SPACING
- W1 USE 19" SPACING
- M1 USE 16" SPACING
- M2 USE 10" SPACING

SEE NOTE 11 FOR ADDITIONAL REQUIRED 2X6 WOOD JAMB ANCHORS



2x6 JAMB TO SUPPORTING STRUCTURE ATTACHMENT

2x6 PRESSURE TREATED (GRADE #2 OR BETTER SOUTHERN PINE) WOOD JAMB SHALL BE ANCHORED TO BUILDING WOOD FRAME, GROUTED AND REINFORCED CONCRETE MASONRY UNIT (CMU) WALLS OR COLUMNS, OR REINFORCED CONCRETE COLUMNS.

NOTES:

1) ALL DOOR OPENING SURROUNDING STRUCTURE TO BE DESIGNED BY REGISTERED ENGINEER OR ARCHITECT WITH DUE CONSIDERATION GIVEN TO INSTALLATIONS USING CENTER "HURRICANE" POSTS.

2) ALL DOOR OPENING STRUCTURE AND FASTENERS TO COMPLY WITH ALL APPLICABLE CODES INCLUDING SBCCI "STANDARD FOR HURRICANE RESISTANT RESIDENTIAL CONSTRUCTION" SSTD 10," CURRENT EDITION.

3) ALL FASTENERS TO BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS, INSTRUCTIONS AND RECOMMENDATIONS.

4) WOOD FRAME BUILDINGS: STUDS AT EACH SIDE OF DOOR OPENING SHALL BE PROPERLY DESIGNED, CONNECTED, ANCHORED AND SHALL CONSIST OF A MINIMUM OF THREE (3) LAMINATIONS OF 2X6 PRESSURE TREATED SOUTHERN PINE (#2 GRADE OR BETTER) WALL STUDS CONTINUOUS FROM FOOTING TO DOUBLE TOP PLATE.

5) REINFORCED CMU OR CONCRETE: 2X6 WOOD JAMB SHALL BE ANCHORED TO SOLIDLY GROUTED AND REINFORCED CONCRETE MASONRY UNIT (CMU) WALLS OR COLUMNS, OR REINFORCED CONCRETE COLUMNS. ANCHOR SPACING AND EMBEDMENT IS BASED ON CONCRETE MASONRY UNITS COMPLYING WITH ASTM C90 WITH A MINIMUM NET AREA COMPRESSIVE STRENGTH OF 2150 PSI; GROUT WITH A MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI; REINFORCED CONCRETE COLUMNS WITH A MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI.

6) EMBEDMENTS LISTED ARE THE MINIMUM ALLOWABLE EMBEDMENTS.

7) ANCHORS FOR CONCRETE AND CONCRETE MASONRY UNITS (CMU) SHALL HAVE A MINIMUM 3" EDGE DISTANCE FROM ALL EDGES OF CONCRETE OR CONCRETE MASONRY UNITS. ANCHORS FOR CONCRETE AND CMU SHALL HAVE A MINIMUM SPACING OF 3-3/4"

8) LAG SCREWS SHALL BE CENTERED IN ONE OF THE 1-1/2" DIMENSION FACES OF THE TRIPLE 2X6 WALL STUDS.

9) WASHERS ARE REQUIRED ON ALL FASTENERS.

10) THE WIND LOAD VS. ANCHOR SPACING CHART IS FOR A MAXIMUM DOOR SIZE OF 18' X 8' AT A MAXIMUM 42 PSF DESIGN WIND LOAD.

11) FOR THE UPPER THREE INDIVIDUAL STEEL JAMB BRACKETS, BRACKETS SHALL BE CENTERED BETWEEN THE TWO CLOSEST 2X6 WOOD JAMB ANCHORS. IF THE STEEL JAMB BRACKET IS NOT CENTERED BETWEEN THE TWO CLOSEST 2X6 WOOD JAMB ANCHORS, ADD AN ADDITIONAL 2X6 WOOD JAMB ANCHOR NEAR THAT STEEL BRACKET TO INSURE THAT THE LOAD FROM THE STEEL BRACKET IS EQUALLY TRANSFERRED TO TWO WOOD JAMB ANCHORS.

GADCO®

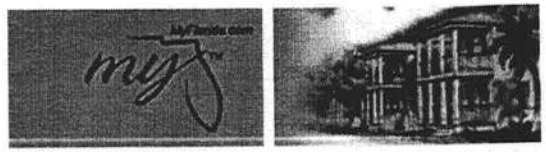
GENERAL AMERICAN DOOR COMPANY
5050 BASELINE ROAD
MONTGOMERY, IL 60538

SCALE: NONE	APPROVED BY:	DRAWN BY: DV
DATE: 8-30-99		REVISED:

DESCRIPTION: JAMB TO STRUCTURE ATTACHMENT FOR WIND LOADED GARAGE DOORS

MASTER DRAWING NUMBER: A10560 | DRAWING NUMBER:

FLORIDA DEPARTMENT OF Community Affairs



Community Affairs

- COMMUNITY PLANNING
- HOUSING & COMMUNITY DEVELOPMENT
- EMERGENCY MANAGEMENT
- OFFICE OF THE SECRETARY

Product Approval
USER: Public User

FL #	FL5108
Application Type	New
Code Version	2004
Application Status	Approved
Comments	
Archived	

Product Manufacturer	MI Windows and Doors
Address/Phone/Email	650 W Market St Gratz, PA 17030 (717) 365-3300 ext 2101 surich@miwd.com
Authorized Signature	Steven Urich surich@miwd.com
Technical Representative Address/Phone/Email	
Quality Assurance Representative Address/Phone/Email	

W indows

A·L·I
(Validator / Operations Administrator)

AAMA
CERTIFICATION PROGRAM

AUTHORIZATION FOR PRODUCT CERTIFICATION

MI Windows & Doors, Inc.
P.O. Box 370
Gratz, PA 17030-0370

Attn: Bill Emley

The product described below is hereby approved for listing in the next issue of the AAMA Certified Products Directory. The approval is based on successful completion of tests, and the reporting to the Administrator of the results of tests, accompanied by related drawings, by an AAMA Accredited Laboratory.

1. The listing below will be added to the next published AAMA Certified Products Directory.

SPECIFICATION	RECORD OF PRODUCT TESTED				LABEL ORDER NO.
AAMA/NWWDA 101/I.S. 2-97 H-R55*-36x62					
COMPANY AND PLANT LOCATION	CODE NO.	SERIES MODEL & PRODUCT DESCRIPTION	MAXIMUM SIZE TESTED		
			FRAME	SASH	
MI Windows & Doors, Inc. (Oldsmar, FL) MI Windows & Doors, Inc. (Smyrna, TN)	MTL-8 MTL-9	185/3185 SH (Fin) (AL)(O/O)(OG) (ASTM)	3'0" x 5'2"	2'10" x 2'7"	By Request

2. This Certification will expire May 14, 2008 and requires validation until then by continued listing in the current AAMA Certified Products Directory.

3. Product Tested and Reported by: Architectural Testing, Inc.

   Report No.: 01-50360.02

   Date of Report: June 14, 2004

NOTE: PLEASE REVIEW, AND ADVISE ALI IMMEDIATELY IF DATA, AS SHOWN, NEEDS CORRECTION.

Date: August 1, 2005

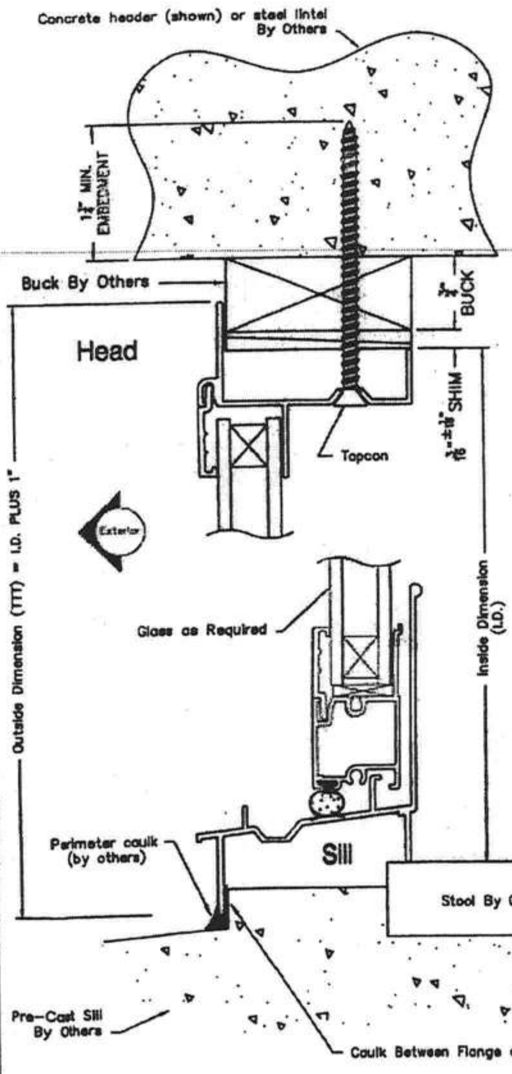
Validated for Certification:

Associated Laboratories, Inc.

Authorized for Certification:

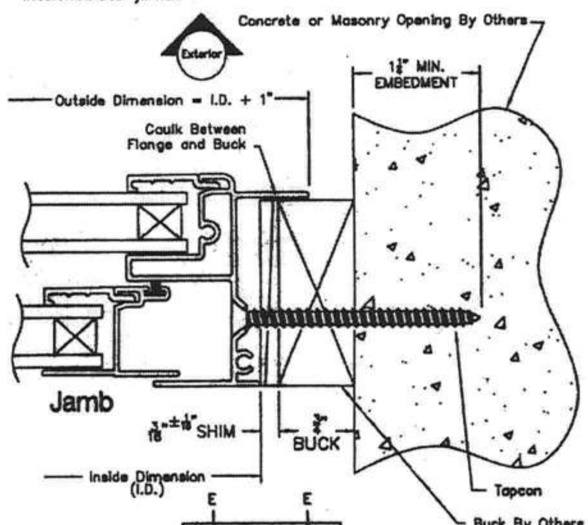
American Architectural Manufacturers Association

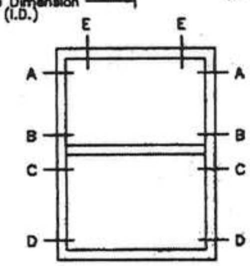
cc: AAMA
JGS/df
ACP-04 (Rev. 5/03)



"ONE BY" (3/4") BUCKS (SHOWN)

1. Before installation, caulk back of flange, or face of buck.
2. 3/16" dia. masonry Tapcon must be of a length to have 1 1/4" embedment into masonry or concrete.
3. Shim as required with load bearing shims at each installation anchor as shown.
4. All factory applied holes not designated for Tapcon anchor should be filled with #10 screws of sufficient length to provide min. 5/8" embedment into wood buck.
5. Letter designations on the Tapcon location chart indicate where anchors are to be installed using the elevation as a key.
6. If exact window size is not given, use anchor quantity for next larger window in chart.
7. For continuous head and sill twins & triples, use the same fastener schedule for each unit in the main frame except ignore the intermediate jamb.





*"TAPCON" TYPE HARDENED MASONRY SCREWS INCLUDE TAPCON, RAWL, & SIMPSON

"TWO BY" (1 1/2") BUCKS

"TWO BY" bucks are engineered and fastened to the masonry opening BY OTHERS.

Follow the same instructions and fastener requirements for "one by" bucks except use #10 screws of sufficient length for 1 1/4" minimum embedment into buck.

MI HOME PRODUCTS BetterBilt / Capitol

* TAPCON LOCATION CHART

CODE SIZE	WINDOW ID SIZE	FASTENER LOCATIONS UP TO DP35	DP35.1 TO DP55	DP55.1 TO DP69.3
12	18 1/8 x 25	A, D & E	A, D & E	A, D & E
~~13~~	~~18 1/8 x 37 3/8~~	A, D & E	A, D & E	A, D & E
14	18 1/8 x 49 5/8	A, D & E	A, D & E	A, D & E
15	18 1/8 x 62	A, D & E	A, D & E	A, D & E
16	18 1/8 x 71	A, D & E	A, D & E	A, D & E
17	18 1/8 x 83	A, D & E	A, D & E	A, D & E
1/2 32	25 1/2 x 25	A, D & E	A, D & E	A, D & E
1/2 33	25 1/2 x 37 3/8	A, D & E	A, D & E	A, D & E
1/2 34	25 1/2 x 49 5/8	A, D & E	A, D & E	A, D & E
1/2 35	25 1/2 x 62	A, D & E	A, D & E	A, D & E
1/2 36	25 1/2 x 71	A, D & E	A, D & E	A, D & E
1/2 37	25 1/2 x 83	A, D & E	A, D & E	A, C, D & E
22	36 x 25	A, D & E	A, D & E	A, D & E
23	36 x 37 3/8	A, D & E	A, D & E	A, D & E
24	36 x 49 5/8	A, D & E	A, D & E	A, D & E
25	36 x 62	A, D & E	A, D & E	A, D & E
26	36 x 71	A, D & E	A, D & E	A, C, D & E
27	36 x 83	A, D & E	A, C, D & E	A, C, D & E
32	52 1/8 x 25	A, D & E	A, D & E	A, D & E
33	52 1/8 x 37 3/8	A, D & E	A, D & E	A, D & E
34	52 1/8 x 49 5/8	A, D & E	A, D & E	A, D & E
35	52 1/8 x 62	A, D & E	A, C, D & E	A, C, D & E
36	52 1/8 x 71	A, D & E	A, C, D & E	A, B, C, D & E
37	52 1/8 x 83	A, D & E	A, C, D & E	A, B, C, D & E
2040	23 3/8 x 47 5/8	A, D & E	A, D & E	A, D & E
2050	23 3/8 x 59 5/8	A, D & E	A, D & E	A, D & E
2060	23 3/8 x 71 5/8	A, D & E	A, D & E	A, D & E
2070	23 3/8 x 83 5/8	A, D & E	A, D & E	A, D & E
3040	35 3/8 x 47 5/8	A, D & E	A, D & E	A, D & E
3050	35 3/8 x 59 5/8	A, D & E	A, D & E	A, D & E
3060	35 3/8 x 71 5/8	A, D & E	A, D & E	A, C, D & E
3070	35 3/8 x 83 5/8	A, D & E	A, C, D & E	A, C, D & E
4040	47 3/8 x 47 5/8	A, D & E	A, D & E	A, D & E
4050	47 3/8 x 59 5/8	A, D & E	A, D & E	A, C, D & E
4060	47 3/8 x 71 5/8	A, D & E	A, C, D & E	A, C, D & E
4070	47 3/8 x 83 5/8	A, D & E	A, C, D & E	A, B, C, D & E
4450	51 3/8 x 59 5/8	A, D & E	A, D & E	A, C, D & E
4460	51 3/8 x 71 5/8	A, D & E	A, C, D & E	A, B, C, D & E
4470	51 3/8 x 83 5/8	A, D & E	A, C, D & E	A, B, C, D & E

SYM	REVISION	DATE	BY
A	REMOVED SILL INSTALLATION ANCHOR SCREWS	7/19/04	BB

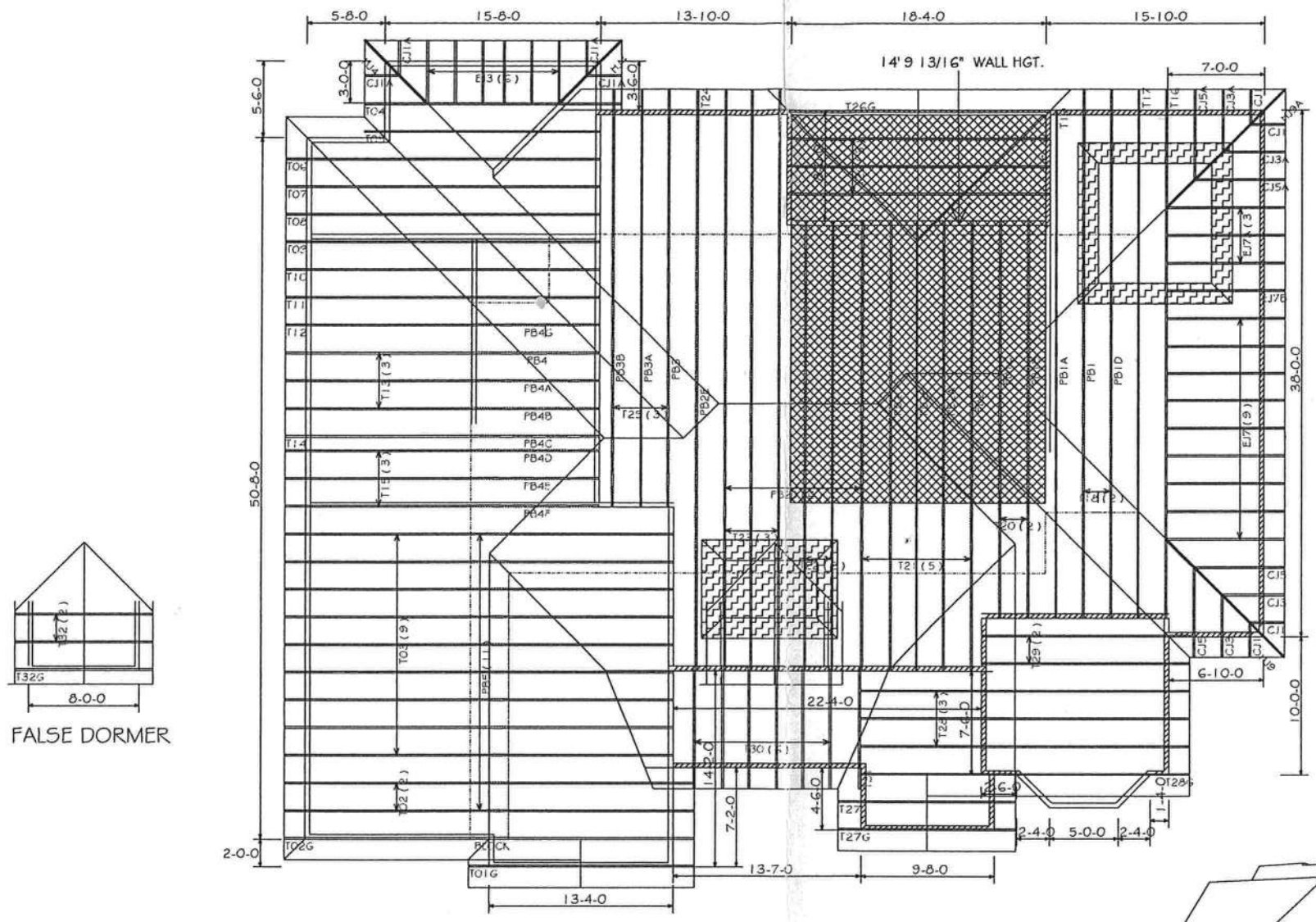
STATE OF FLORIDA
Product Technology Corporation
1150 Louisiana Ave., Suite 6
Winter Park, Florida 32789

MI HOME PRODUCTS
GRATZ, PA

TITLE: 185/3185 SINGLE HUNG FLANGE FRAME INSTALLATION DETAILS & FASTENER SCHEDULE

PREPARED BY: PTC Product Technology Corporation
Phone 407.422.6334 Fax 407.422.6335

DRN: DRL | DATE: 06/15/04
SCALE: N.T.S. | DWG. NO.: MIHP0059
REV. LETTER: A | SHEET: 1 OF 1



FALSE DORMER

TRUSS INFORMATION:

ROOF PITCH: 4-10/12

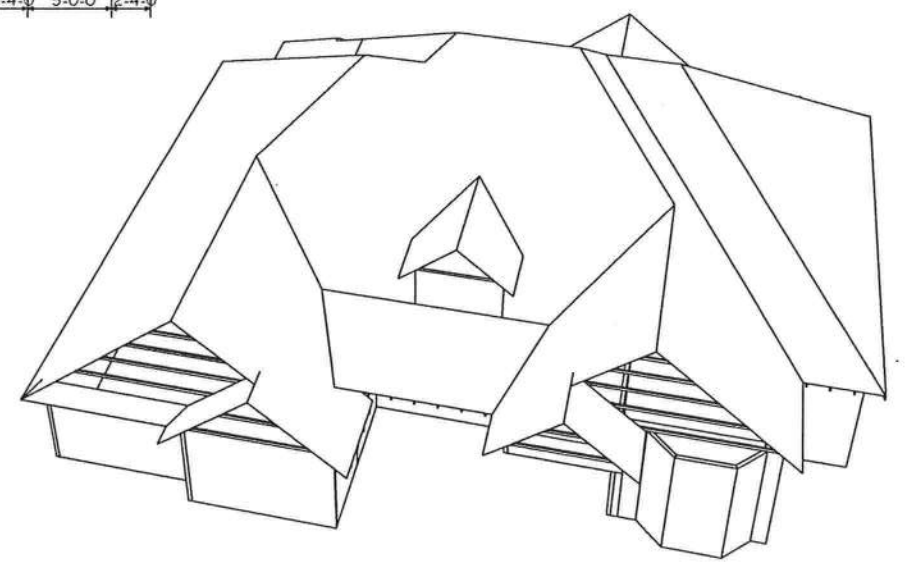
CEILING: 5/12 @ PORCH/GREAT ROOM
TRAYS @ DINING & MSTR.

OVERHANG: 1' 6" / 1' 0"

HANGER LIST:
3 - HTU26

VALLEY:
FRAMED BY OTHERS

NOTE: ADDITIONAL BEARING WALLS NEEDED FOR TRUSS SUPPORT



BEARING HEIGHT SCHEDULE

9' 0"

11' 0"

INDICATES TRAY CLG.

INDICATES CATH CLG.

NOTES:

1.) REFER TO HIB 91 (RECOMMENDATIONS FOR HANDLING INSTALLATION AND TEMPORARY BRACING.) REFER TO ENGINEERED DRAWINGS FOR PERMANENT BRACING REQUIRED.

2.) ALL TRUSSES (INCLUDING TRUSSES UNDER VALLEY FRAMING) MUST BE COMPLETELY DECKED OR REFER TO DETAIL V105 FOR ALTERNATE BRACING REQUIREMENTS.

3.) ALL VALLEYS ARE TO BE CONVENTIONALLY FRAMED BY BUILDER.

4.) ALL TRUSSES ARE DESIGNED FOR 2' o.c. MAXIMUM SPACING, UNLESS OTHERWISE NOTED.

5.) ALL WALLS SHOWN ON PLACEMENT PLAN ARE CONSIDERED TO BE LOAD BEARING, UNLESS OTHERWISE NOTED.

6.) SY42 TRUSSES MUST BE INSTALLED WITH THE TOP BEING UP.

7.) ALL ROOF TRUSS HANGERS TO BE SIMPSON HTU26 UNLESS OTHERWISE NOTED. ALL FLOOR TRUSS HANGERS TO BE SIMPSON THA422 UNLESS OTHERWISE NOTED.

8.) BEAM/HEADER/LINTEL (BHE) TO BE FURNISHED BY BUILDER.

SHOP DRAWING APPROVAL

THIS LAYOUT IS THE SOLE SOURCE FOR FABRICATION OF TRUSSES AND VOIDS ALL PREVIOUS ARCHITECTURAL OR OTHER TRUSS LAYOUTS. REVIEW AND APPROVAL OF THIS LAYOUT MUST BE RECEIVED BEFORE ANY TRUSSES WILL BE BUILT. VERIFY ALL CONDITIONS TO INSURE AGAINST CHANGES THAT WILL RESULT IN EXTRA CHARGES TO YOU.

Expected Delivery Date: _____

Approved by: _____ Date: _____

Builders FirstSource

Bunnell
PHONE: 904-437-3549 FAX: 904-437-3994

Jacksonville
PHONE: 904-772-6100 FAX: 904-772-1973

Lake City
PHONE: 386-755-6894 FAX: 386-755-7973

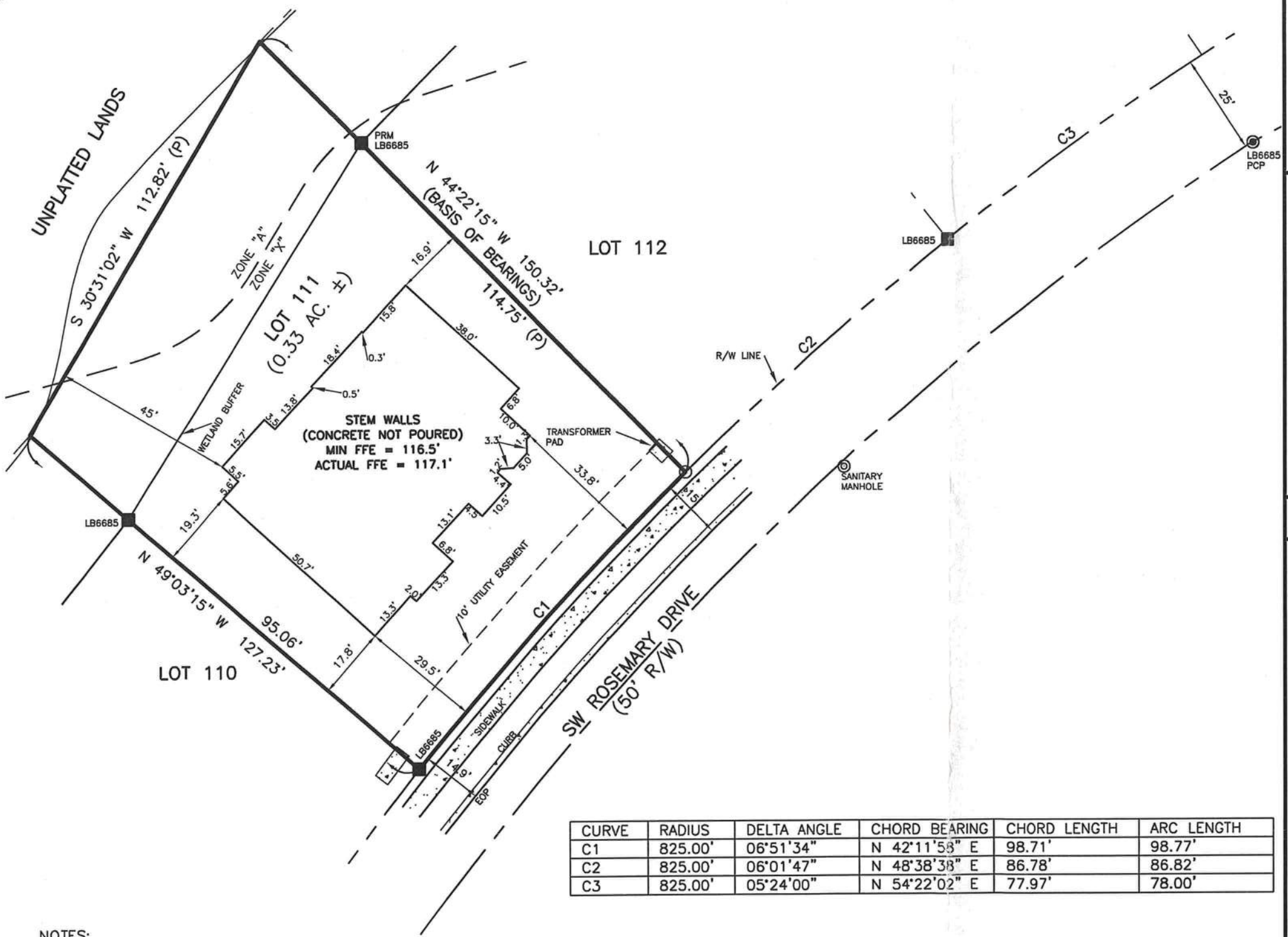
Sanford
PHONE: 407-322-0059 FAX: 407-322-5553

BUILDER: AARON SIMQUE

LEGAL ADDRESS:

MODEL:	REVISION:
GEORGIA HOME	SCALE: NTS
DATE: 12/13/07	DRAWN BY: JP
JOB #: L260861	

26628



CURVE	RADIUS	DELTA ANGLE	CHORD BEARING	CHORD LENGTH	ARC LENGTH
C1	825.00'	06°51'34"	N 42°11'58" E	98.71'	98.77'
C2	825.00'	06°01'47"	N 48°38'38" E	86.78'	86.82'
C3	825.00'	05°24'00"	N 54°22'02" E	77.97'	78.00'

NOTES:

1. BEARINGS ARE BASED ON THE EAST LINE OF LOT 111, PRESERVE AT LAUREL LAKE, UNIT 1, BEING N 44°22'15" W.
2. ACCORDING TO FLOOD INSURANCE RATE MAP (COMMUNITY PANEL NO. 120070 0175 B EFFECTIVE DATE JANUARY 6, 1988) THE ABOVE DESCRIBED LANDS LIE IN ZONE "X", AN AREA DETERMINED TO BE OUTSIDE OF THE 500-YEAR FLOOD PLAIN AND ZONE "A", AN AREA DETERMINED TO BE INSIDE OF THE 100-YEAR FLOOD PLAIN.
3. ONLY THOSE VISIBLE INTERIOR IMPROVEMENTS AND IMPROVEMENTS PERTINENT TO THE SUBJECT PROPERTY HAVE BEEN LOCATED AS SHOWN HEREON. EXCEPTION IS MADE HEREON TO UNDERGROUND FACILITIES AND OTHER IMPROVEMENTS NOT VISIBLE OR KNOWN AT DATE OF SURVEY.
4. THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF AN ABSTRACT OR TITLE POLICY. THEREFORE, EXCEPTION IS MADE HEREIN REGARDING EASEMENTS, RESERVATIONS AND RESTRICTIONS OF RECORD NOT PROVIDED BY THE CLIENT.
5. CLOSURE EXCEEDS 1 : 10,000.
6. SCALE AND GRAPHIC LOCATION OF FENCES AND UTILITY POLES, IF ANY, MAY BE EXAGGERATED FOR CLARITY.
7. BUILDING SETBACKS ARE AS FOLLOWS:
   FRONT - 25 FEET
   SIDE - 10 FEET
   REAR - 15 FEET

ABBREVIATIONS:

MIN FFE - MINIMUM FINISH FLOOR ELEVATION
FFE - FINISH FLOOR ELEVATION

BOUNDARY SURVEY

OF
LOT 111
PRESERVE AT LAUREL LAKE, UNIT 1
COLUMBIA COUNTY, FLORIDA

DESCRIPTION

LOT 111, PRESERVE AT LAUREL LAKE, UNIT 1, A SUBDIVISION AS PER PLAT THEREOF RECORDED IN PLAT BOOK 9, PAGE 19-25, OF THE PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA.

LEGEND

- ○ DENOTES 5/8" IRON ROD & CAP SET (LB6685)
- ● DENOTES IRON PIPE OR REBAR FOUND (1/2")
- □ DENOTES 4"x4" CONCRETE MONUMENT SET (LB6685)
- ■ DENOTES 4"x4" CONCRETE MONUMENT FOUND
- ⊙ DENOTES NAIL & DISC FOUND

NO ID - NO IDENTIFICATION
FND - FOUND
CM - CONCRETE MONUMENT
± - MORE OR LESS
ORB - OFFICIAL RECORDS BOOK
PG - PAGE (S)
℄ - CENTERLINE
(P) - PLAT
(D) - DEED
(C) - CALCULATED
(M) - MEASURED
O/S - OFFSET
POB - POINT OF BEGINNING
POC - POINT OF COMMENCEMENT
FDOT - FLORIDA DEPARTMENT OF TRANSPORTATION
N - NORTH
E - EAST
S - SOUTH
W - WEST

PC - POINT OF CURVATURE
PI - POINT OF INTERSECTION
PT - POINT OF TANGENCY
PRC - POINT OF REVERSE CURVATURE
PCC - POINT OF COMPOUND CURVATURE
R - RADIUS
T - TANGENT
L - ARC LENGTH
Δ - CENTRAL ANGLE
CH - CHORD BEARING & DISTANCE
R/W - RIGHT OF WAY
PCP - PERMANENT CONTROL POINT
PRM - PERMANENT REFERENCE MONUMENT
X——X DENOTES FENCE
E— E DENOTES OVERHEAD ELECTRIC
EOP - EDGE OF PAVEMENT
BOC - BACK OF CURB
CONCRETE

SCALE: 1" = 30'

0' 30' 60' 90'

SURVEY FOR: SIM-Q DEVELOPERS, LLC

2-1-08
DATE OF CERTIFICATE

01/32/08
DATE OF FIELD SURVEY

Scott Daniel
BRIAN SCOTT DANIEL, PSM
PROFESSIONAL SURVEYOR AND MAPPER
FLORIDA CERTIFICATE NO. 6449

SURVEY VALID ONLY OF FIELD SURVEY SHOWN HEREON. NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER. FLORIDA CERTIFICATE OF AUTHORIZATION NO. 6685.

Bailey Bishop & Lane, Inc.
P.O. Box 3717 Lake City, FL 32056 Ph. 386-752-5640 Eng. Lic. 7362
P.O. Box 814 Port St. Joe, FL 32457 Ph. 850-227-9449 Survey Lic. LB-0006685

SIM-Q DEVELOPERS, LLC

REVISIONS:
1/31/08 - LOCATED FOUNDATION.

JOB NUMBER
L071107SIM

DRAWN BY
AC

FIELD BOOK
182 : 14
EFB

SHEET NO.
1 OF 1

COLUMBIA COUNTY ENVIRONMENTAL HEALTH

PERMIT:X 08-009 P_____

OWNER: Jim Q-Developers

ADDRESS: 453 S.W. Rosemary Dr.

FOR: A/C☐ BARN☐ CITY UTIL☐ LIGHTS☐
POOL/ENC☐ ROOF☐ SCREEN RM☐ SIGN☐
WELL☐ OTHER City Sewer + water