DATE 06/16/2004

Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

PERMIT
000021972

APPLICANT BRANDON STEELE PHONE 755.0841

ADDRESS RT. 9, BOX 785-33 LAKE CITY FL 32024

OWNER TIM & JENNY NICKELSON PHONE 755.8277

ADDRESS 182 SW GOVERNORS GLEN LAKE CITY FL 32024

CONTRACTOR AARON SIMQUE HOMES, INC. PHONE 755.0841

LOCATION OF PROPERTY 47-S TO WALTER AVE., TURN L, GO 1 MILE TO ROSE CREEK PLANT.
TAKE L, INTO S/D,GO TO GOVERNORS GLEN, SITE IS 1ST. ON R.

TYPE DEVELOPMENT SFD & UTILITY ESTIMATED COST OF CONSTRUCTION 170950.00

HEATED FLOOR AREA 3419.00 TOTAL AREA 4934.00 HEIGHT 26.00 STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 8'12 FLOOR CONC

LAND USE & ZONING A-3 MAX. HEIGHT 35

Minimum Set Back Requirments: STREET-FRONT 30.00 REAR 25.00 SIDE 25.00

NO. EX.D.U. 1 FLOOD ZONE XPP DEVELOPMENT PERMIT NO.

PARCEL ID 01-5S-16-03406-108 SUBDIVISION ROSE CREEK PLANTATION

LOT 8 BLOCK PHASE 1 UNIT TOTAL ACRES 2.50

000000332	N	RB29003130		
Culvert Permit No.	Culvert Waiver	Contractor's License Number	Applicant/Owner/Contractor	
18"X32'MITERED	04-0593-N	BLK	JDK	N
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident

COMMENTS: NOC ON FILE
1 FOOT ABOVE ROAD.

Check # or Cash 1869

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 $ 855.00 CERTIFICATION FEE $ 24.67 SURCHARGE FEE $ 24.67

MISC. FEES $ .00 ZONING CERT. FEE $ 50.00 FIRE FEE $ _____ WASTE FEE $ _____

FLOOD ZONE DEVELOPMENT FEE $ _____ CULVERT FEE $ 25.00 **TOTAL FEE** 979.34

INSPECTORS OFFICE _____ 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."

This Permit Must Be Prominently Posted on Premises During Construction

PLEASE NOTIFY THE COLUMBIA COUNTY BUILDING DEPARTMENT AT LEAST 24 HOURS IN ADVANCE OF EACH INSPECTION, IN ORDER THAT IT MAY BE MADE WITHOUT DELAY OR INCONVIENCE, PHONE 758-1008. THIS PERMIT IS NOT VALID UNLESS THE WORK AUTHORIZED BY IT IS COMMENCED WITHIN 6 MONTHS AFTER ISSUANCE.

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

Rec. IV. 5c
Doc, 328,3

THIS INSTRUMENT WAS PREPARED BY:

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

99-15193

RETURN TO:

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

File No. 99-489

Grantee No. 1 S.S. No. 503-13-1375

Grantee No. 2 S.S. No. 323-80-2290

Property Appraiser's
Parcel Identification No.
Part of Parcel No.
01-5S-16-03406-002

WARRANTY DEED

THIS INDENTURE, made this 1st day of September 1999, BETWEEN WESTFIELD GROUP, LTD., a Florida Limited Partnership, whose post office address is Post Office Box 3566, Lake City, Florida 32056, of the County of Columbia, State of Florida, grantor*, and TIMOTHY J. NICKELSON and his wife, JENNIFER B. NICKELSON, whose post office address is Post Office Box 3483, Lake City, Florida 32056, of the County of Columbia, State of Florida, grantee*.

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 8, ROSE CREEK PLANTATION PHASE I, a subdivision according to the plat thereof recorded in Plat Book 7, Pages 19 & 20 of the public records of Columbia County, Florida.

SUBJECT TO Mortgage held by Dianne C. Haraway and Billy S. Johnson, recorded in Official Records Book 863, Page 1817 of the public records of Columbia County, Florida; and FURTHER SUBJECT TO Mortgage held by Charles M. Myers and his wife, Marilee I. Myers, recorded in Official Records Book 884, Page 1753, as corrected by Corrective Mortgage recorded in Official Records Book 885, Page 2228 of the public records of Columbia County, Florida, which mortgages the Grantor shall pay.

SUBJECT TO: Restrictions, easements and outstanding mineral rights of record, if any, and taxes for the current year.

Documentary Stamp $328.30
Intangible Tax 0
P. DeWitt Cason
Clerk of Court
By MCK D.C.

and said grantor does hereby fully warrant the title to said land, and will defend the same against the lawful claims of all persons whomsoever.

*"Grantor" and "grantee" are used for singular or plural, as context requires.

IN WITNESS WHEREOF, grantor has hereunto set grantor's hand and seal the day and year first above written.

Signed, sealed and delivered in the presence of:

First Witness
Terry McDavid
(Printed Name)

Second Witness
Myrtle Ann McElroy
(Printed Name)

WESTFIELD GROUP, LTD., a Florida Limited Partnership

By: _____
Charles S. Sparks
General Partner

By: _____
Scott D. Stewart
General Partner

STATE OF FLORIDA
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 1st day of September 1999, by CHARLES S. SPARKS and SCOTT D. STEWART, General Partners of WESTFIELD GROUP, LTD., a Florida Limited Partnership, on behalf of the partnership. They are personally known to me and did not take an oath.

Myrtle Ann McElroy
Notary Public
My commission expires: _____

MYRTLE ANN MCELROY
MY COMMISSION # CC 783549
EXPIRES: February 12, 2003
Bonded Thru Notary Public Underwriters

Columbia County Building Permit Application

Need E/H

For Office Use Only Application # 0406-13 Date Received 6/3/04 By G Permit # 21972

Application Approved by - Zoning Official BLK Date 08.06.04 Plans Examiner _____ Date _____

Flood Zone X per plat Development Permit N/A Zoning A-3 Land Use Plan Map Category A-3

Comments _____

Applicants Name Brandon Steele Phone 386-755-0841

Address Rt 9 Box 785-33 Lake City FL. 32024

Owners Name Tim & Jenny Nickelson Phone 755-8277

911 Address 1825 W Governors Gln. Lake City, FL 32024

Contractors Name Aaron Simque Homes Inc. Phone SAME as APPLICA

Address Same as Applicant

Fee Simple Owner Name & Address Tim & Jenny Nickelson

Bonding Co. Name & Address N/A

Architect/Engineer Name & Address DDS studios / Mark Disosway

Mortgage Lenders Name & Address SouthTrust Mortgage Corp. 9800 4th St. N. Suite 202 St. Petersburg FL 3370

Property ID Number 01-5S-16-03406-108 Estimated Cost of Construction $ 222,000.

Subdivision Name Rose Creek Plantation Lot 8 Block ____ Unit ____ Phase 1

Driving Directions TAKE 47 South Past I 75 to Walter AVE. TAKE Left go 1 mi to Rose creek Plantations take ~~Left~~ into Rose creek and go to 1st RD on Left. (SW Governers Glnn) Site is 1st on Rt.

Type of Construction SF Dwelling Number of Existing Dwellings on Property NONE

Total Acreage 2 1/2 Lot Size 2 1/2 Acres Do you need a Culvert Permit or Culvert Waiver or Have an Existing Drive

Actual Distance of Structure from Property Lines - Front 125' 134 Side 40 80 Side 40 205 Rear 200' 398

Total Building Height 29' Number of Stories 1 1/2 Heated Floor Area 3360 Roof Pitch 8/12

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.

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.

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

Owner Builder or Agent (Including Contractor)

Contractor Signature

Contractors License Number RB2900 3130

Competency Card Number 5323

STATE OF FLORIDA
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me this _____ day of May 2004.

Personally known X or Produced Identification _____

NOTARY STAMP/SEAL: BRANDON J. STEELE MY COMMISSION # DD 302024 EXPIRES: April 10, 2008 Bonded Thru Notary Public Underwriters

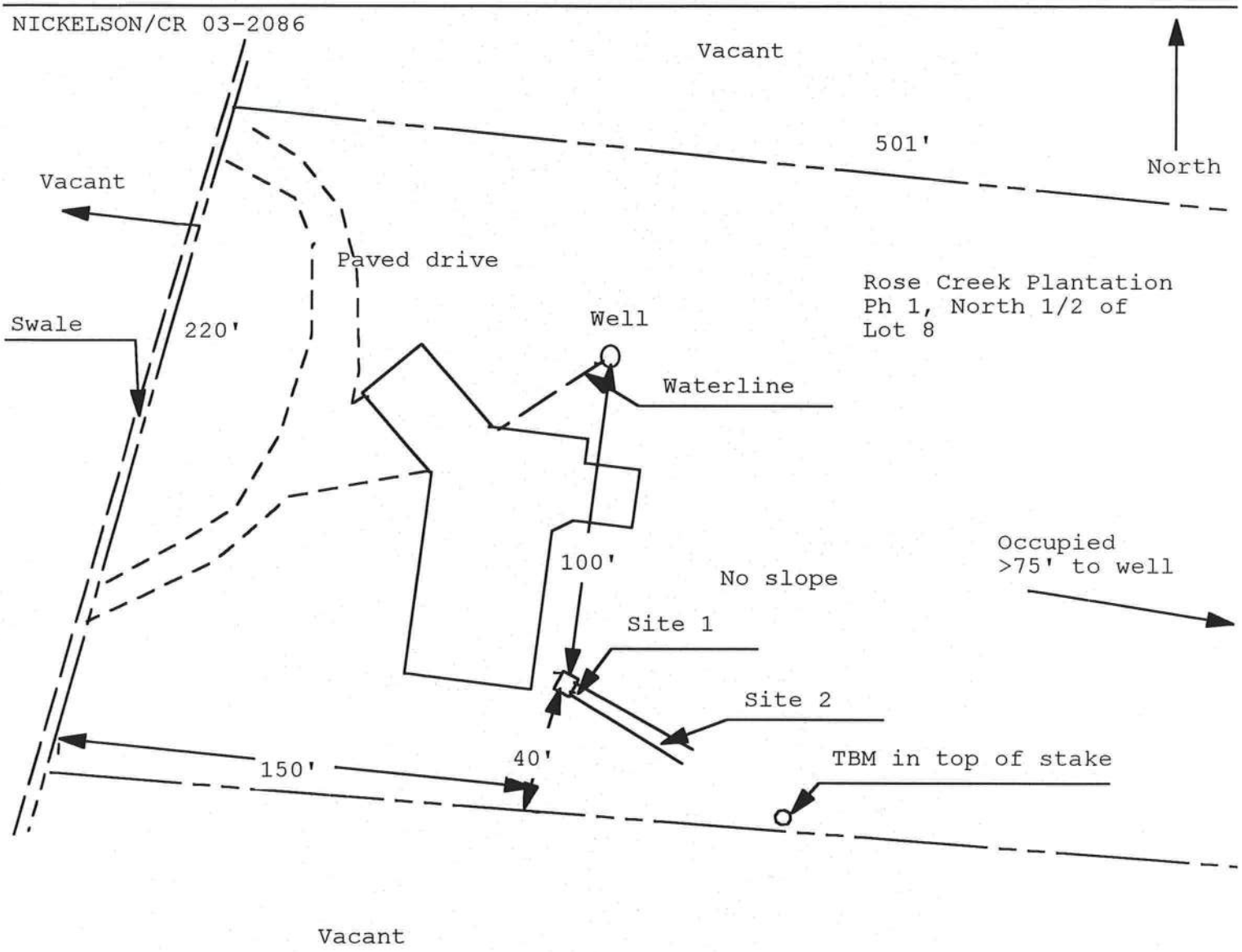
Notary Signature

$ 332

Application for Onsite Sewage Disposal System Construction Permit. Part II Site Plan

Permit Application Number: 04-0593N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNI



1 inch = 50 feet

Site Plan Submitted By Paul Lloyd **Date** 5/20/04

Plan Approved ✓ **Not Approved** ____ **Date** 5/20/04

By Paul Lloyd 2HS & Z **CPHU**

6-B-04

Notes: _____

Columbia County Building Department
Culvert Permit

Culvert Permit No.
000000332

DATE 06/16/2004 PARCEL ID # 01-5S-16-03406-108

APPLICANT BRANDON STEELE/AARON SIMQUE HOMES,INC. PHONE 755.0841

ADDRESS RT. 9, BOX 785-33 LAKE CITY FL 32024

OWNER TIM & JENNY NICKELSON PHONE 755.8277

ADDRESS 182 SW GOVENORS GLN LAKE CITY FL 32024

CONTRACTOR AARON SIMQUE PHONE 386.755.0841

LOCATION OF PROPERTY 47-S TO WALTER AVENUE, L, GO 1 MILE TO ROSE CREEK PLANT. TURN L

INTO S/D AND GO TO GOVERNORS GLEN, SITE IS 1ST. ON RIGHT

SUBDIVISION/LOT/BLOCK/PHASE/UNIT ROSE CREEK PLANT. 8 1

SIGNATURE

INSTALLATION REQUIREMENTS

[X] 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 9-1-1 ADDRESSING

263 NW Lake City Ave. * P. O. Box 2949 * Lake City, FL 32056-2949
PHONE: (386) 752-8787 * FAX: (386) 758-1365 * Email: ron_croft@columbiacountyfla.com

Addressing Maintenance

To maintain the Countywide addressing Policy you must make application for a 9-1-1 Address at the time you apply for a building permit. The established standards for assigning and posting numbers to all principal buildings, dwellings, businesses and industries are contained in Columbia County Ordinance 2001-9. The addressing system is to enable Emergency Service Agencies to locate you in an emergency, and to assist the United States Postal Service and the public in the timely and efficient provision of services to residents and businesses of Columbia County.

DATE ISSUED: 5-12-04

ENHANCED 9-1-1 ADDRESS:

182 SW Governors Gln. (Lake City, FL 32024)

Addressed Location 911 Phone Number: N/A

OCCUPANT NAME: Timothy & Jennifer Nickelson.

OCCUPANT CURRENT MAILING ADDRESS: PO Box 3483
Lake City, FL 32056

PROPERTY APPRAISER MAP SHEET NUMBER: 73

PROPERTY APPRAISER PARCEL NUMBER: 01-5S-16-03406-108

Other Contact Phone Number (If any):

Building Permit Number (If known):

Remarks: LOT 8, Rose Creek Plantation S/D.

Address Issued By: _____
Columbia County 9-1-1 Addressing Department

1464

SOUTHTRUST MORTGAGE CORPORATION Loan Number: 41766569

This Instrument Prepared By:
Name:
Address: SouthTrust Mortgage Corporation
9800 4th Street North, Suite 202, Saint Petersburg, FL 33702
Permit No: Tax Folio No:

NOTICE OF COMMENCEMENT

STATE OF FL
COUNTY OF Columbia

THE UNDERSIGNED hereby gives notice that improvement will be made to certain real property and in accordance with Chapter 713.13, Florida Statutes, the following information is provided in this Notice of Commencement.

1. Description of property: (legal description of property and street address if available)
   Legal: See exhibit "A" attached hereto and by this reference made a part hereof.
   Street Address: SW Stoneridge Drive, Lake City, FL 32024
2. General description of improvement: SFR 1 Unit
3. Owner information:
   a. Name and address: Timothy J. Nickelson and Jennifer B.Nickelson
   SW Stoneridge Drive, Lake City, FL 32024
   b. Interest in property: Fee Simple
   c. Name and address of fee simple title holder (if other than owner):
4. Contractor:
   a. Name and address: AARON SIMQUE HOMES INC.
   Rt. 9, Box 785-33, Lake City, FL 32024
   b. Phone number: (386) 755-0841
   c. Fax number (optional if service by fax is acceptable):
5. Surety:
   a. Name and address:
   b. Amount of bond $
   c. Phone number:
   d. Fax number (optional if service by fax is acceptable):
6. Lender:
   a. Name and address: SouthTrust Mortgage Corporation
   210 Wildwood Parkway, Birmingham, AL 35209
   b. Phone number: (205) 667-8100
   c. Fax number (optional if service by fax is acceptable):
7. Persons within the State of Florida designated by Owner upon whom notices or other documents may be served as provided in Section 713.13(1)(a)7., Florida Statutes:
   a. Name and address: SouthTrust Mortgage Corporation
   9800 4th Street North, Suite 202, Saint Petersburg, FL 33702
   b. Phone number: (727) 954-1321
   c. Fax number (optional if service by fax is acceptable): (727) 579-4409
8. In addition to himself, Owner designates the following person(s) to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes:
   a. Name and address: SouthTrust Mortgage Corporation
   2001 SW 17th Street, Ocala, FL 34474
   b. Phone number:
   c. Fax number (optional if service by fax is acceptable): (205) 667-4651
9. Expiration date of Notice of Commencement (1 year from date of recording unless a different date is specified):

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 Mark Keen Deputy Clerk
Date May 11, 2004

Inst:2004010680 Date:05/11/2004 Time:09:12
MK DC,P.DeWitt Cason,Columbia County B:1014 P:2428

Sworn to and subscribed before me by Timothy J. Nickelson and Jennifer B. Nickelson,
who is personally known to me or produced drivers license
as identification, and who did take an oath this 20th day of April, 04

Signature of Notary

Printed Name of Notary

Commission No./Expiration:

Matthew Rocco
My Commission DD150709
Expires September 17, 2006

Seal:

Borrower Timothy J. Nickelson

Borrower Jennifer B.Nickelson

Borrower

Borrower

ST30031 (FLA)

Inst:2004010680 Date:05/11/2004 Time:09:12
_____DC,P.DeWitt Cason,Columbia County B:1014 P:2429

ATS # 1964

EXHIBIT "A"

Description: Parcel 1
Part of lot 8 of "Rose Creek Plantation Phase 1' As per plat thereof recorded in plat book 7, page 19 of the public records of Columbia County, Florida, being more part particularly described as follows: Commence at the SE corner of said Lot 8, also known as P.R.M. 2 and run North 00 deg. 09"41"W., 32.50 feet to the point of beginning; thence continue North 00 deg. 09"41"w., 189.69 feet to the NE corner of said Lot 8; thence North 70 deg. 40'08"W., 501.00 feet to NW corner of said Lot 8; thence South 46 deg. 37"58"W., 219.92 feet; thence South 72 deg. 05"56"E., 665.38 feet to the point of beginning.

FORM 600A-2001

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**Nickelson Residence**	Builder:	**Aaron Simque Homes**
Address:	**Lot: , Sub: Rose Creek Pl., Plat:**	Permitting Office:	Columbia
City, State:	**Lake City, FL**	Permit Number:	21972
Owner:	**Tim and Jenny Nickelson**	Jurisdiction Number:	221000
Climate Zone:	**North**		

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 60.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 10.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	No		
6. Conditioned floor area (ft²)	3419 ft²	c. N/A	
7. Glass area & type			
a. Clear - single pane	0.0 ft²	13. Heating systems	
b. Clear - double pane	671.0 ft²	a. Electric Heat Pump	Cap: 60.0 kBtu/hr
c. Tint/other SHGC - single pane	0.0 ft²		HSPF: 6.80
d. Tint/other SHGC - double pane	0.0 ft²	b. N/A	
8. Floor types			
a. Slab-On-Grade Edge Insulation	R=0.0, 276.0(p) ft	c. N/A	
b. N/A			
c. N/A		14. Hot water systems	
9. Wall types		a. Electric Resistance	Cap: 50.0 gallons
a. Frame, Wood, Exterior	R=13.0, 2796.0 ft²		EF: 0.88
b. Frame, Wood, Adjacent	R=13.0, 240.0 ft²	b. Electric Resistance	Cap: 50.0 gallons
c. N/A			EF: 0.88
d. N/A		c. Conservation credits	
e. N/A		(HR-Heat recovery, Solar DHP-Dedicated heat pump)	
10. Ceiling types		15. HVAC credits	
a. Under Attic	R=30.0, 3419.0 ft²	(CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 230.0 ft		
b. N/A			

Glass/Floor Area: 0.20

Total as-built points: 46376
Total base points: 47787

PASS

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code.

PREPARED BY: _____

DATE: 5-21-04

I hereby certify that this building, as designed, is in compliance with the Florida Energy Code.

OWNER/AGENT: _____

DATE: 6.2.04

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: _____

FORM 600A-2001

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: , Sub: Rose Creek Pl., Plat: , Lake City, FL,** 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 6-12. Switch or clearly marked circuit 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.	

FORM 600A-2001

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: , Sub: Rose Creek Pl., Plat: , Lake City, FL,** 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
3		2746.00	8238.0	50.0	0.88	3		0.50	2746.00	1.00	4119.0
				50.0	0.88	3		0.50	2746.00	1.00	4119.0
				As-Built Total:							**8238.0**

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points +	Heating Points +	Hot Water Points =	Total Points	Cooling Points +	Heating Points +	Hot Water Points =	Total Points
21002	**18546**	**8238**	**47787**	**20621**	**17517**	**8238**	**46376**

PASS

FORM 600A-2001

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: , Sub: Rose Creek Pl., Plat: , Lake City, FL,** PERMIT #:

BASE				AS-BUILT				
DOOR TYPES	Area X	BWPM =	Points	Type	Area X	WPM =	Points	
Adjacent	46.0	11.50	529.0	Exterior Wood	120.0	12.30	1476.0	
Exterior	206.0	12.30	2533.8	Adjacent Wood	26.0	11.50	299.0	
				Exterior Wood	20.0	12.30	246.0	
				Exterior Wood	18.0	12.30	221.4	
				Exterior Wood	48.0	12.30	590.4	
				Adjacent Wood	20.0	11.50	230.0	
Base Total:	**252.0**		**3062.8**	**As-Built Total:**	**252.0**		**3062.8**	
CEILING TYPES	Area X	BWPM =	Points	Type	R-Value	Area X	WPM X WCM =	Points
Under Attic	3419.0	2.05	7008.9	Under Attic	30.0	3419.0	2.05 X 1.00	7008.9
Base Total:	**3419.0**		**7008.9**	**As-Built Total:**		**3419.0**		**7008.9**
FLOOR TYPES	Area X	BWPM =	Points	Type	R-Value	Area X	WPM =	Points
Slab	276.0(p)	8.9	2456.4	Slab-On-Grade Edge Insulation	0.0	276.0(p	18.80	5188.8
Raised	0.0	0.00	0.0					
Base Total:			**2456.4**	**As-Built Total:**		**276.0**		**5188.8**
INFILTRATION	Area X	BWPM =	Points			Area X	WPM =	Points
	3419.0	-0.59	-2017.2			3419.0	-0.59	-2017.2
Winter Base Points:			**29560.6**	**Winter As-Built Points:**				**30056.9**
Total Winter Points	X System Multiplier	= Heating Points		Total Component	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier = Heating Points
29560.6	**0.6274**	**18546.3**		30056.9 **30056.9**	1.000 **1.00**	(1.069 x 1.169 x 0.93) **1.162**	0.501 **0.501**	1.000 **1.000** 17517.2 **17517.2**

FORM 600A-2001

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: , Sub: Rose Creek Pl., Plat: , Lake City, FL,** 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	3419.0	12.74	7840.5	Double, Clear	N	1.5	3.0	10.0	14.30	1.01	144.4	
				Double, Clear	N	1.5	6.0	40.0	14.30	1.00	573.5	
				Double, Clear	N	1.5	6.0	30.0	14.30	1.00	430.1	
				Double, Clear	N	1.5	3.0	8.0	14.30	1.01	115.5	
				Double, Clear	N	1.5	2.0	6.0	14.30	1.01	87.1	
				Double, Clear	N	8.5	5.0	22.0	14.30	1.02	322.2	
				Double, Clear	N	1.5	7.0	36.0	14.30	1.00	515.7	
				Double, Clear	NW	1.5	6.0	15.0	14.03	1.00	211.1	
				Double, Clear	N	1.5	6.0	15.0	14.30	1.00	215.1	
				Double, Clear	NE	1.5	6.0	15.0	13.40	1.01	202.2	
				Double, Clear	E	1.5	6.0	15.0	9.09	1.04	141.2	
				Double, Clear	SE	1.5	6.0	15.0	5.33	1.10	87.7	
				Double, Clear	E	1.5	3.0	12.0	9.09	1.12	122.2	
				Double, Clear	E	1.5	7.0	36.0	9.09	1.03	336.0	
				Double, Clear	SE	1.5	7.0	18.0	5.33	1.07	102.7	
				Double, Clear	S	1.5	7.0	30.0	4.03	1.07	129.9	
				Double, Clear	SE	1.5	7.0	22.0	5.33	1.07	125.5	
				Double, Clear	SE	1.5	3.0	7.3	5.33	1.37	53.6	
				Double, Clear	S	1.5	7.0	36.0	4.03	1.07	155.8	
				Double, Clear	S	1.5	3.0	12.0	4.03	1.64	79.3	
				Double, Clear	E	30.0	9.0	24.0	9.09	1.51	328.8	
				Double, Clear	SE	5.0	9.0	38.0	5.33	1.44	292.0	
				Double, Clear	S	14.0	9.0	36.7	4.03	3.32	490.3	
				Double, Clear	S	1.5	7.0	54.0	4.03	1.07	233.7	
				Double, Clear	S	1.5	7.0	36.0	4.03	1.07	155.8	
				Double, Clear	W	1.5	7.0	72.0	10.77	1.02	787.8	
				Double, Clear	SW	1.5	6.0	10.0	7.17	1.06	76.0	
				As-Built Total:				**671.0**			**6515.1**	

WALL TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	= Points
Adjacent	240.0	3.60	864.0	Frame, Wood, Exterior	13.0	2796.0	3.40	9506.4
Exterior	2796.0	3.70	10345.2	Frame, Wood, Adjacent	13.0	240.0	3.30	792.0
Base Total:	**3036.0**		**11209.2**	**As-Built Total:**		**3036.0**		**10298.4**

FORM 600A-2001

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: , Sub: Rose Creek Pl., Plat: , Lake City, FL,** PERMIT #:

BASE				AS-BUILT					
DOOR TYPES	Area X	BSPM	= Points	Type		Area X	SPM	=	Points
Adjacent	46.0	2.40	110.4	Exterior Wood		120.0	6.10		732.0
Exterior	206.0	6.10	1256.6	Adjacent Wood		26.0	2.40		62.4
				Exterior Wood		20.0	6.10		122.0
				Exterior Wood		18.0	6.10		109.8
				Exterior Wood		48.0	6.10		292.8
				Adjacent Wood		20.0	2.40		48.0
Base Total:	**252.0**		**1367.0**	**As-Built Total:**		**252.0**			**1367.0**
CEILING TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM X SCM	=	Points
Under Attic	3419.0	1.73	5914.9	Under Attic	30.0	3419.0	1.73 X 1.00		5914.9
Base Total:	**3419.0**		**5914.9**	**As-Built Total:**		**3419.0**			**5914.9**
FLOOR TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	=	Points
Slab	276.0(p)	-37.0	-10212.0	Slab-On-Grade Edge Insulation	0.0	276.0(p	-41.20		-11371.2
Raised	0.0	0.00	0.0						
Base Total:			**-10212.0**	**As-Built Total:**		**276.0**			**-11371.2**
INFILTRATION	Area X	BSPM	= Points			Area X	SPM	=	Points
	3419.0	10.21	34908.0			3419.0	10.21		34908.0
Summer Base Points:			**49232.1**	**Summer As-Built Points:**					**53105.0**

Total Summer Points	X System Multiplier	= Cooling Points	Total Component	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Cooling Points
			53105.0	1.000	(1.090 x 1.147 x 0.91)	0.341	1.000	20620.7
49232.1	**0.4266**	**21002.4**	**53105.0**	**1.00**	**1.138**	**0.341**	**1.000**	**20620.7**

FORM 600A-2001

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: , Sub: Rose Creek Pl., Plat: , Lake City, FL,** 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	3419.0	20.04	12333.0	Double, Clear	N	1.5	3.0	10.0	19.22	0.83	159.7	
				Double, Clear	N	1.5	6.0	40.0	19.22	0.94	721.6	
				Double, Clear	N	1.5	6.0	30.0	19.22	0.94	541.2	
				Double, Clear	N	1.5	3.0	8.0	19.22	0.83	127.8	
				Double, Clear	N	1.5	2.0	6.0	19.22	0.76	87.2	
				Double, Clear	N	8.5	5.0	22.0	19.22	0.64	269.2	
				Double, Clear	N	1.5	7.0	36.0	19.22	0.96	660.7	
				Double, Clear	NW	1.5	6.0	15.0	25.46	0.93	353.4	
				Double, Clear	N	1.5	6.0	15.0	19.22	0.94	270.6	
				Double, Clear	NE	1.5	6.0	15.0	28.72	0.92	396.6	
				Double, Clear	E	1.5	6.0	15.0	40.22	0.91	550.7	
				Double, Clear	SE	1.5	6.0	15.0	40.86	0.88	541.4	
				Double, Clear	E	1.5	3.0	12.0	40.22	0.73	350.2	
				Double, Clear	E	1.5	7.0	36.0	40.22	0.94	1358.7	
				Double, Clear	SE	1.5	7.0	18.0	40.86	0.92	675.6	
				Double, Clear	S	1.5	7.0	30.0	34.50	0.89	925.8	
				Double, Clear	SE	1.5	7.0	22.0	40.86	0.92	825.8	
				Double, Clear	SE	1.5	3.0	7.3	40.86	0.67	201.1	
				Double, Clear	S	1.5	7.0	36.0	34.50	0.89	1110.9	
				Double, Clear	S	1.5	3.0	12.0	34.50	0.66	273.1	
				Double, Clear	E	30.0	9.0	24.0	40.22	0.36	344.4	
				Double, Clear	SE	5.0	9.0	38.0	40.86	0.64	990.1	
				Double, Clear	S	14.0	9.0	36.7	34.50	0.47	593.9	
				Double, Clear	S	1.5	7.0	54.0	34.50	0.89	1666.4	
				Double, Clear	S	1.5	7.0	36.0	34.50	0.89	1110.9	
				Double, Clear	W	1.5	7.0	72.0	36.99	0.94	2500.4	
				Double, Clear	SW	1.5	6.0	10.0	38.46	0.89	340.4	
				As-Built Total:				**671.0**			**17948.3**	

WALL TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	= Points
Adjacent	240.0	0.70	168.0	Frame, Wood, Exterior	13.0	2796.0	1.50	4194.0
Exterior	2796.0	1.70	4753.2	Frame, Wood, Adjacent	13.0	240.0	0.60	144.0
Base Total:	**3036.0**		**4921.2**	**As-Built Total:**		**3036.0**		**4338.0**

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 82.0

The higher the score, the more efficient the home.

Tim and Jenny Nickelson, Lot: , Sub: Rose Creek Pl., Plat: , Lake City, FL,

1.	New construction or existing	New	12.	Cooling systems	
2.	Single family or multi-family	Single family	a.	Central Unit	Cap: 60.0 kBtu/hr
3.	Number of units, if multi-family	1			SEER: 10.00
4.	Number of Bedrooms	3	b.	N/A	
5.	Is this a worst case?	No			
6.	Conditioned floor area (ft²)	3419 ft²	c.	N/A	
7.	Glass area & type				
a.	Clear - single pane	0.0 ft²	13.	Heating systems	
b.	Clear - double pane	671.0 ft²	a.	Electric Heat Pump	Cap: 60.0 kBtu/hr
c.	Tint/other SHGC - single pane	0.0 ft²			HSPF: 6.80
d.	Tint/other SHGC - double pane	0.0 ft²	b.	N/A	
8.	Floor types				
a.	Slab-On-Grade Edge Insulation	R=0.0, 276.0(p) ft	c.	N/A	
b.	N/A				
c.	N/A		14.	Hot water systems	
9.	Wall types		a.	Electric Resistance	Cap: 50.0 gallons
a.	Frame, Wood, Exterior	R=13.0, 2796.0 ft²			EF: 0.88
b.	Frame, Wood, Adjacent	R=13.0, 240.0 ft²	b.	Electric Resistance	Cap: 50.0 gallons
c.	N/A				EF: 0.88
d.	N/A		c.	Conservation credits	
e.	N/A			(HR-Heat recovery, Solar	
10.	Ceiling types			DHP-Dedicated heat pump)	
a.	Under Attic	R=30.0, 3419.0 ft²	15.	HVAC credits	
b.	N/A			(CF-Ceiling fan, CV-Cross ventilation,	
c.	N/A			HF-Whole house fan,	
11.	Ducts			PT-Programmable Thermostat,	
a.	Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 230.0 ft		RB-Attic radiant barrier,	
b.	N/A			MZ-C-Multizone cooling,	
				MZ-H-Multizone heating)	

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.*

EnergyGauge® (Version: FLRCPB v3.2)

Residential System Sizing Calculation

Summary

Tim and Jenny Nickelson

Lake City, FL

Project Title:
Nickelson Residence

Code Only
Professional Version
Climate: North

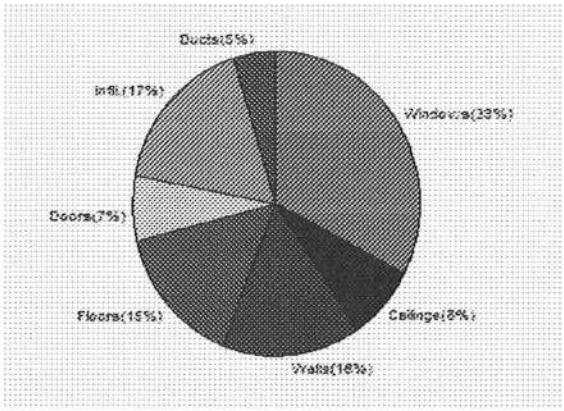
5/21/2004

Location for weather data: Gainesville - Defaults: Latitude(29) Temp Range(M) Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(51gr.)					
Winter design temperature	31	F	Summer design temperature	93	F
Winter setpoint	70	F	Summer setpoint	75	F
Winter temperature difference	39	F	Summer temperature difference	18	F
Total heating load calculation	**57880**	**Btuh**	**Total cooling load calculation**	**58353**	**Btuh**
Submitted heating capacity	60000	Btuh	Submitted cooling capacity	60000	Btuh
Submitted as % of calculated	103.7	%	Submitted as % of calculated	102.8	%

WINTER CALCULATIONS

Winter Heating Load (for 3419 sqft)

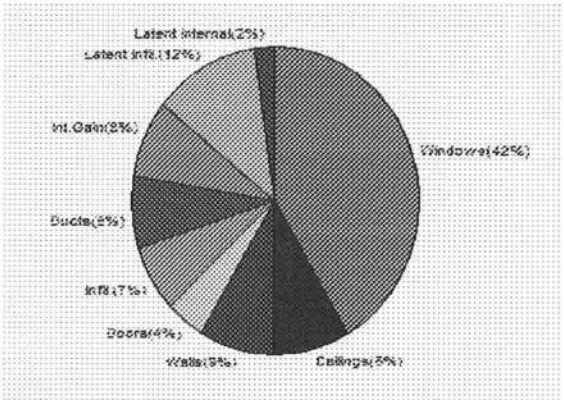
Load component			Load	
Window total	671	sqft	18989	Btuh
Wall total	3036	sqft	9052	Btuh
Door total	252	sqft	4119	Btuh
Ceiling total	3419	sqft	4445	Btuh
Floor total	276	ft	8722	Btuh
Infiltration	228	cfm	9798	Btuh
Subtotal			**55124**	**Btuh**
Duct loss			2756	Btuh
TOTAL HEAT LOSS			**57880**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 3419 sqft)

Load component			Load	
Window total	671	sqft	24252	Btuh
Wall total	3036	sqft	5115	Btuh
Door total	252	sqft	2515	Btuh
Ceiling total	3419	sqft	4855	Btuh
Floor total			0	Btuh
Infiltration	200	cfm	3957	Btuh
Internal gain			4800	Btuh
Subtotal(sensible)			**45493**	**Btuh**
Duct gain			4549	Btuh
Total sensible gain			**50043**	**Btuh**
Latent gain(infiltration)			6930	Btuh
Latent gain(internal)			1380	Btuh
Total latent gain			**8310**	**Btuh**
TOTAL HEAT GAIN			**58353**	**Btuh**



EnergyGauge® System Sizing based on ACCA Manual J.

PREPARED BY:

DATE: 5-21-04

Manual J Winter Calculations

Residential Load - Component Details (continued)

Tim and Jenny Nickelson

Lake City, FL

Project Title:
Nickelson Residence

Code Only
Professional Version
Climate: North

5/21/2004

Floors	Type	R-Value	Size X	HTM=	Load
1	Slab-On-Grade Edge Insul	0	276.0 ft(p)	31.6	8722 Btuh
	Floor Total		276		8722 Btuh
Infiltration	Type	ACH X	Building Volume	CFM=	Load
	Natural	0.40	34190(sqft)	228	9798 Btuh
	Mechanical			0	0 Btuh
	Infiltration Total			228	9798 Btuh

Totals for Heating	**Subtotal**	**55124 Btuh**
	Duct Loss(using duct multiplier of 0.05)	**2756 Btuh**
	Total Btuh Loss	**57880 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)

System Sizing Calculations - Winter

Residential Load - Component Details

Tim and Jenny Nickelson

Lake City, FL

Project Title:
Nickelson Residence

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 39.0 F

5/21/2004

Window	Panes/SHGC/Frame/U	Orientation	Area X	HTM=	Load
1	2, Clear, Metal, DEF	N	10.0	28.3	283 Btuh
2	2, Clear, Metal, DEF	N	40.0	28.3	1132 Btuh
3	2, Clear, Metal, DEF	N	30.0	28.3	849 Btuh
4	2, Clear, Metal, DEF	N	8.0	28.3	226 Btuh
5	2, Clear, Metal, DEF	N	6.0	28.3	170 Btuh
6	2, Clear, Metal, DEF	N	22.0	28.3	623 Btuh
7	2, Clear, Metal, DEF	N	36.0	28.3	1019 Btuh
8	2, Clear, Metal, DEF	NW	15.0	28.3	424 Btuh
9	2, Clear, Metal, DEF	N	15.0	28.3	424 Btuh
10	2, Clear, Metal, DEF	NE	15.0	28.3	424 Btuh
11	2, Clear, Metal, DEF	E	15.0	28.3	424 Btuh
12	2, Clear, Metal, DEF	SE	15.0	28.3	424 Btuh
13	2, Clear, Metal, DEF	E	12.0	28.3	340 Btuh
14	2, Clear, Metal, DEF	E	36.0	28.3	1019 Btuh
15	2, Clear, Metal, DEF	SE	18.0	28.3	509 Btuh
16	2, Clear, Metal, DEF	S	30.0	28.3	849 Btuh
17	2, Clear, Metal, DEF	SE	22.0	28.3	623 Btuh
18	2, Clear, Metal, DEF	SE	7.3	28.3	208 Btuh
19	2, Clear, Metal, DEF	S	36.0	28.3	1019 Btuh
20	2, Clear, Metal, DEF	S	12.0	28.3	340 Btuh
21	2, Clear, Metal, DEF	E	24.0	28.3	679 Btuh
22	2, Clear, Metal, DEF	SE	38.0	28.3	1075 Btuh
23	2, Clear, Metal, DEF	S	36.7	28.3	1038 Btuh
24	2, Clear, Metal, DEF	S	54.0	28.3	1528 Btuh
25	2, Clear, Metal, DEF	S	36.0	28.3	1019 Btuh
26	2, Clear, Metal, DEF	W	72.0	28.3	2038 Btuh
27	2, Clear, Metal, DEF	SW	10.0	28.3	283 Btuh
	Window Total		671		18989 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Exterior	13.0	2796	3.1	8668 Btuh
2	Frame - Adjacent	13.0	240	1.6	384 Btuh
	Wall Total		3036		9052 Btuh
Doors	Type		Area X	HTM=	Load
1	Wood - Exter		120	17.9	2153 Btuh
2	Wood - Adjac		26	9.2	239 Btuh
3	Wood - Exter		20	17.9	359 Btuh
4	Wood - Exter		18	17.9	323 Btuh
5	Wood - Exter		48	17.9	861 Btuh
6	Wood - Adjac		20	9.2	184 Btuh
	Door Total		252		4119Btuh
Ceilings	Type	R-Value	Area X	HTM=	Load
1	Under Attic	30.0	3419	1.3	4445 Btuh
	Ceiling Total		3419		4445Btuh

System Sizing Calculations - Summer

Residential Load - Component Details

Tim and Jenny Nickelson

Lake City, FL

Project Title:
Nickelson Residence

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 18.0 F 5/21/2004

Window	Type		Overhang		Window Area(sqft)			HTM		Load	
	Panes/SHGC/U/InSh/ExSh	Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	2, Clear, DEF, N, N	N	1.5	3	10.0	0.0	10.0	22	22	220	Btuh
2	2, Clear, DEF, N, N	N	1.5	6	40.0	0.0	40.0	22	22	880	Btuh
3	2, Clear, DEF, N, N	N	1.5	6	30.0	0.0	30.0	22	22	660	Btuh
4	2, Clear, DEF, N, N	N	1.5	3	8.0	0.0	8.0	22	22	176	Btuh
5	2, Clear, DEF, N, N	N	1.5	2	6.0	0.0	6.0	22	22	132	Btuh
6	2, Clear, DEF, N, N	N	8.5	5	22.0	0.0	22.0	22	22	484	Btuh
7	2, Clear, DEF, N, N	N	1.5	7	36.0	0.0	36.0	22	22	792	Btuh
8	2, Clear, DEF, N, N	NW	1.5	6	15.0	0.0	15.0	22	50	750	Btuh
9	2, Clear, DEF, N, N	N	1.5	6	15.0	0.0	15.0	22	22	330	Btuh
10	2, Clear, DEF, N, N	NE	1.5	6	15.0	0.0	15.0	22	50	750	Btuh
11	2, Clear, DEF, N, N	E	1.5	6	15.0	0.7	14.3	22	72	1043	Btuh
12	2, Clear, DEF, N, N	SE	1.5	6	15.0	4.6	10.4	22	62	747	Btuh
13	2, Clear, DEF, N, N	E	1.5	3	12.0	0.5	11.5	22	72	840	Btuh
14	2, Clear, DEF, N, N	E	1.5	7	36.0	0.7	35.3	22	72	2555	Btuh
15	2, Clear, DEF, N, N	SE	1.5	7	18.0	4.6	13.4	22	62	933	Btuh
16	2, Clear, DEF, N, N	S	1.5	7	30.0	30.0	0.0	22	37	660	Btuh
17	2, Clear, DEF, N, N	SE	1.5	7	22.0	5.6	16.4	22	62	1141	Btuh
18	2, Clear, DEF, N, N	SE	1.5	3	7.3	5.6	1.7	22	62	231	Btuh
19	2, Clear, DEF, N, N	S	1.5	7	36.0	36.0	0.0	22	37	792	Btuh
20	2, Clear, DEF, N, N	S	1.5	3	12.0	12.0	0.0	22	37	264	Btuh
21	2, Clear, DEF, N, N	E	30	9	24.0	24.0	0.0	22	72	528	Btuh
22	2, Clear, DEF, N, N	SE	5	9	38.0	35.2	2.8	22	62	948	Btuh
23	2, Clear, DEF, N, N	S	14	9	36.7	36.7	0.0	22	37	807	Btuh
24	2, Clear, DEF, N, N	S	1.5	7	54.0	54.0	0.0	22	37	1188	Btuh
25	2, Clear, DEF, N, N	S	1.5	7	36.0	36.0	0.0	22	37	792	Btuh
26	2, Clear, DEF, N, N	W	1.5	7	72.0	1.5	70.5	22	72	5110	Btuh
27	2, Clear, DEF, N, N	SW	1.5	6	10.0	3.0	7.0	22	62	498	Btuh
	Window Total				671					24252	Btuh

Walls	Type	R-Value	Area	HTM	Load	
1	Frame - Exterior	13.0	2796.0	1.7	4865	Btuh
2	Frame - Adjacent	13.0	240.0	1.0	250	Btuh
	Wall Total		3036.0		5115	Btuh

Doors	Type	Area	HTM	Load	
1	Wood - Exter	120.0	10.0	1198	Btuh
2	Wood - Adjac	26.0	10.0	259	Btuh
3	Wood - Exter	20.0	10.0	200	Btuh
4	Wood - Exter	18.0	10.0	180	Btuh
5	Wood - Exter	48.0	10.0	479	Btuh
6	Wood - Adjac	20.0	10.0	200	Btuh
	Door Total	252.0		2515	Btuh

Ceilings	Type/Color	R-Value	Area	HTM	Load	
1	Under Attic/Dark	30.0	3419.0	1.4	4855	Btuh
	Ceiling Total		3419.0		4855	Btuh

DESCRIPTION: PARCEL 1
PART OF LOT 8 OF "ROSE CREEK PLANTATION PHASE I" AS PER PLAT THEREOF RECORDED IN PLAT BOOK 7, PAGE 19 OF THE PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:
COMMENCE AT THE SE CORNER OF SAID LOT 8, ALSO KNOWN AS P.R.M. 2 AND RUN N.00°09'41"W., 32.50 FEET TO THE POINT OF BEGINNING; THENCE CONTINUE N.00°09'41"W., 189.69 FEET TO THE NE CORNER OF SAID LOT 8; THENCE N.70°40'08"W., 501.00 FEET TO THE NW CORNER OF SAID LOT 8; THENCE S.46°37'58"W., 219.92 FEET; THENCE S.72°05'56"E., 665.38 FEET TO THE POINT OF BEGINNING. CONTAINING 2.50 ACRES, MORE OR LESS.

DESCRIPTION: PARCEL 2
PART OF LOT 8 OF "ROSE CREEK PLANTATION PHASE I" AS PER PLAT THEREOF RECORDED IN PLAT BOOK 7, PAGE 19 OF THE PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:
BEGIN AT THE SE CORNER OF SAID LOT 8, ALSO KNOWN AS P.R.M. 2 AND RUN N.00°09'41"W., 32.50 FEET; THENCE N.72°05'56"W., 665.38 FEET; THENCE S.46°37'58"W., 200.35 FEET TO A POINT OF CURVE OF A CURVE BEING CONCAVE TO THE EAST, HAVING A RADIUS OF 30.00 FEET AND AN INCLUDED ANGLE OF 87°52'31"; THENCE RUN ALONG SAID CURVE AN ARC DISTANCE OF 46.01 FEET TO A POINT OF CURVE OF A CURVE BEING CONCAVE TO THE SOUTHWEST, HAVING A RADIUS 730.00 FEET AND AN INCLUDED ANGLE OF 05°47'47"; THENCE RUN ALONG THE ARC OF SAID CURVE AN ARC DISTANCE OF 73.85 FEET; THENCE N.90°00'00"E., 735.14 FEET TO THE POINT OF BEGINNING. CONTAINING 2.50 ACRES, MORE OR LESS.

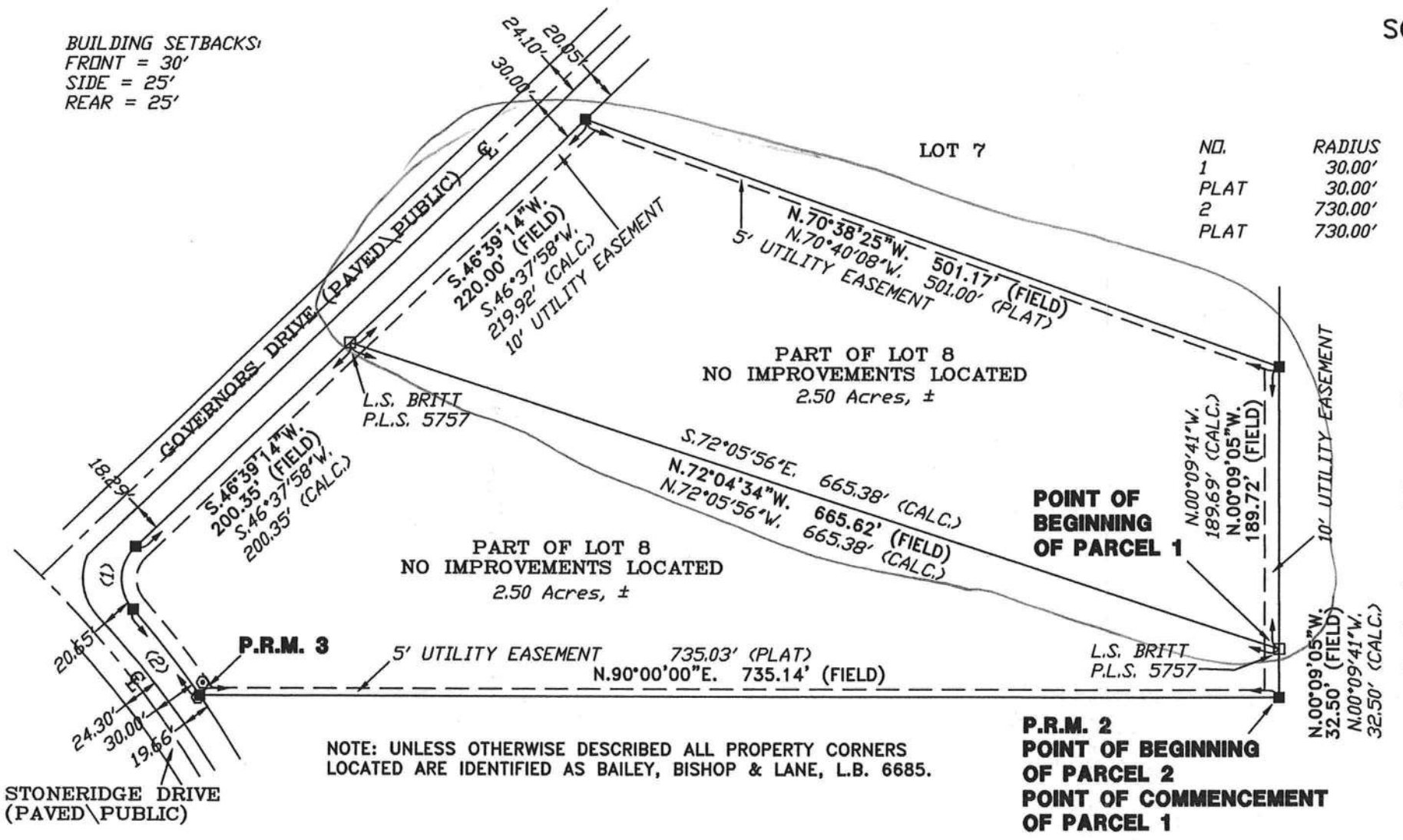
BOUNDARY SURVEY IN SECTION 1 , TOWNSHIP 5 SOUTH, RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA.

SYMBOL LEGEND:
- ■ 4"X4" CONCRETE MONUMENT FOUND
- □ 4"X4" CONCRETE MONUMENT SET
- ● IRON PIPE FOUND
- ○ IRON PIN AND CAP SET
- ⊕ POWER POLE
- ▲ WATER METER
- ℄ CENTERLINE
- ✱ WELL
- SATELLITE DISH
- TELEPHONE BOX
- --E-- ELECTRIC LINES
- --X-- WIRE FENCE
- --o-- CHAIN LINK FENCE
- --#-- WOODEN FENCE

N

SCALE: 1" = 100'

BUILDING SETBACKS:
FRONT = 30'
SIDE = 25'
REAR = 25'



NOTE: UNLESS OTHERWISE DESCRIBED ALL PROPERTY CORNERS LOCATED ARE IDENTIFIED AS BAILEY, BISHOP & LANE, L.B. 6685.

CURVE TABLE

NO.	RADIUS	DELTA	ARC	TANGENT	CHORD	CHORD BEARING
1	30.00'	89°24'43"	46.82'	29.69'	42.21'	N.02°12'16"E.
PLAT	30.00'	87°52'31"	46.01'		41.63'	N.02°41'42"E.
2	730.00'	05°46'16"	73.53'	36.80'	73.50'	S.38°20'21"E.
PLAT	730.00'	05°47'47"	73.85'		73.82'	S.38°20'40"E.

SURVEYOR'S NOTES:
1. BOUNDARY BASED ON MONUMENTATION FOUND IN ACCORDANCE WITH THE RETRACEMENT OF THE ORIGINAL SURVEY FOR SAID PLAT OF RECORD.
2. BEARINGS ARE BASED ON SAID PLAT OF RECORD.
3. THIS PARCEL IS IN ZONE "X" AND IS DETERMINED TO BE OUTSIDE THE 500 YEAR FLOOD PLAIN AS PER FLOOD RATE MAP, DATED 6 JANUARY, 1988 COMMUNITY PANEL NUMBER 120070 0175 B. HOWEVER, THE FLOOD INSURANCE RATE MAPS ARE SUBJECT TO CHANGE.
4. THE IMPROVEMENTS, IF ANY, INDICATED ON THIS SURVEY DRAWING ARE AS LOCATED ON DATE OF FIELD SURVEY AS SHOWN HEREON.
5. IF THEY EXIST, NO UNDERGROUND ENCROACHMENTS AND/OR UTILITIES WERE LOCATED FOR THIS SURVEY EXCEPT AS SHOWN HEREON.
6. THIS SURVEY WAS COMPLETED WITHOUT THE BENEFIT OF A TITLE COMMITMENT OR A TITLE POLICY.

CERTIFIED TO:
JENNY NICKELSON

FIELD BOOK: 267 PAGE(S): 10

SURVEYOR'S CERTIFICATION:

I HEREBY CERTIFY THAT THIS SURVEY WAS MADE UNDER MY RESPONSIBLE CHARGE AND MEETS THE MINIMUM TECHNICAL STANDARDS AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 61G17-6, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027, FLORIDA STATUTES.

03/24/04 FIELD SURVEY DATE
03/29/04 DRAWING DATE

W. SCOTT BRITT, P.S.M.
CERTIFICATION # 5757

NOTE: UNLESS IT BEARS THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER THIS DRAWING, SKETCH, PLAT OR MAP IS FOR INFORMATIONAL PURPOSES ONLY AND IS NOT VALID.

BRITT SURVEYING
LAND SURVEYORS AND MAPPERS
830 WEST DUVAL STREET LAKE CITY, FLORIDA 32055
(386)752-7163 FAX (386)752-5573

WORK ORDER # L-14745

ALPINE FOAM
'PROFOAM'

CLOSED CELL POLYURETHANE FOAM INSULATION

INFORMATION PACKAGE

OFFICES

Main Office
Savannah, Georgia
Pat and Jason Hoehn
1-912-826-0046

Palm Bay, Florida
Cory Hoehn
1-321-722-3372

Permit # 21972

Nickelson Job (For Richard)
Specs

ALPINE FOAM

Thank you for your interest in sprayed on **closed cell polyurethane foam** insulation. Alpine Foam uses Profoam **closed cell polyurethane foam** that is manufactured in Atlanta, Georgia. Profoam is the cleanest, safest **polyurethane foam** on the market today.

The following is some vital information about two types of **polyurethane foam** being used, **closed cell polyurethane foam** and **open cell polyurethane foam**.

Closed cell polyurethane foam is the only type of insulation that meets or exceeds all international building codes, doubles the strength of frame structures, gives you the highest "R" rating per inch, forms it own vapor barrier and has an efficiency rating in the 90's when all other insulation is in the 30's. Profoam **closed cell polyurethane foam** has a Perm rating of .87, which exceeds the international requirements for insulation which is a Perm rating of 1. All insulation materials with a perm rating higher than 1, including **open cell foams**, are now required to be covered with a vapor barrier. This is not yet being enforced in all states but we are being told that it will be starting here in 2003.

Open cell polyurethane foam is excellent for sound proofing but we believe it should not be used for insulation where it is exposed to any kind of moisture, including high humidity. The properties of **open cell polyurethane foam** allow it to absorb and hold water like a sponge. Profoam also manufactures **open cell foam** but we will not use it for insulating because of the probability that it will encourage the growth of molds and mildew. **Closed cell polyurethane foam** will not absorb moisture so it will not become a garden for molds and mildew.

Closed cell polyurethane foam in the walls and roofs reduces hot and cold air loss far better than any other insulation. **Closed cell polyurethane foam** applied directly to the underside of your decking material keeps the hot and cold air out of your attic space reducing the load on your HVAC system. When using **closed cell polyurethane foam** you can reduce the tonnage of your AC system by as much as 50%. A good formula to apply is one ton of HVAC for every 1000 ft of conditioned area. The design of your structure will vary this formula some but not much.

By using **closed cell polyurethane foam** for your insulation and the properly sized HVAC unit your electric bill will be reduced dramatically and in just a few years you can save thousands of dollars. Some mortgage companies even offer discounts for the Energy Star ratings when **closed cell polyurethane foam** is used to insulate a new home.

We encourage you to research this and all other products on the Internet or at your local library. You can visit us for more information at PROFOAM.com

Pat Hoehn/Jason Hoehn 912-826-0046 Savannah, GA
Cory Hoehn 321-722-3372 Palm Bay, FL

ALPINE FOAM

912-826-0046

TWO GOOD EXAMPLES

COMMERCIAL:
FREE INSULATION!
We insulated a new metal building that is being built to be a bar/restaurant with Profoam closed cell polyurethane foam. Because of the efficiency of the product the owner was able to redesign the HVAC system and reduce the size of the units by TEN TONS. They saved more on the HVAC system than the Profoam insulation cost to install in their building and the owners will continue to save hundreds of dollars a month on the electrical bills.

RESIDENTIAL:
We insulated a 2600 square foot house with Profoam closed cell polyurethane foam. Because of the efficiency of the product a 2-½ ton HVAC unit was installed. The thermostat is kept on 72 degrees year round.
In the last twenty four months the owners have not had an electric bill over $74.00.

Profoam closed cell polyurethane insulation is the perfect choice for all frame, metal or block buildings. With the efficiency of the product you are able to greatly reduce the size of your HVAC systems, eliminate additional vapor barriers and wraps, ridge vents on roofs and a few other things. You will be surprised at how little it will actually cost to have it installed and also with the amount of money it saves you every month.

Alpine Foam offers a 100% life time warranty against damage from molds and mildew when we install Profoam closed cell polyurethane foam insulation in your building following our guide lines.

Alpine Foam also offers a 100% life time warranty against any shrinkage, cracking or settling of Profoam closed cell polyurethane foam insulation when we install it in your building.

Please contact us for additional information.

ALPINE FOAM

912-826-0046
104 Highland Dr., Rincon, GA 31326

SIMPLE TEST

The best and simplest way to show the effectiveness and efficiencies of closed cell polyurethane foam insulation is for you to do the following:

1. Put your hand on the side of your freezer.

The temperature of your freezer should be set at 0. The outside of your freezer is at room temperature. There is only one inch of closed cell polyurethane foam insulation between your hand and the frozen items inside the freezer. There is no condensation on the outside of the freezer and you cannot feel the cold temperature from the inside of the freezer.

2. Put your hand on the side of your water heater.

The temperature of the water heater is usually set between 120 and 160. The outside of your water heater is at room temperature. There is only one inch of closed cell polyurethane foam insulation between your hand and the hot water inside your water heater. There is no condensation on the outside of the water heater and you cannot feel the hot water from the inside of the water heater.

IT'S THAT SIMPLE AND IT WORKS THAT WELL !

ALPINE FOAM

The following shows you the equivalent "R" values of the most common types of insulation available today. If the insulation collects moister or any air is allowed to pass trrough it the "R" value goes to zero. Moist insulation can promote the growth of mold and mildew.

Fiberglass insulation.....R 3.2 per inch
32% Efficiency Rating
3 ½ inches in a 2X4 wall with a 32% ER is equivalent to R11.2
Collects moisture, allows air to pass through

Cellulose insulation.....R 3.5 per inch
36% Efficiency Rating
3 ½ inches in a 2X4 wall with a 34% ER is equivalent to R 12.74
Collects moisture, allows air to pass through

Open cell .5 lb foam insulation.....R 3.5 per inch
44% Efficiency Rating
3 ½ inches in a 2X4 wall with a 44% ER is equivalent to R 13.72
Collects moisture, stops most air from passing through

Closed cell 1.8 lb foam insulation.....R 7 per inch
92% Efficiency Rating
3½ inches in a 2X4 wall with a 92% ER is equivalent to R 63.7
2* inches in a 2X4 wall with a 92% ER is equivalent to R 40.18
1 inch in a 2X4 wall with a 92% ER is equivalent to R 20.09
Does not collect moisture, stops all air from passing through

Closed cell polyurethane 1.8lb foam insulation has 2.188 times the "R" value and 2.87 times the efficiency of fiberglass insulation.
2 inches of closed cell polyurethane foam insulation will protect you from –30F to +240F.
***2 inches of PROFOAM polyurethane 1.8lb foam insulation is what we recommend for your roof structures, walls and sub-floors.**
This information, and much more, is available on the Internet and at your local library. We encourage you to research the properties of all types of insulation before you make the choice of which type to use in your building project.

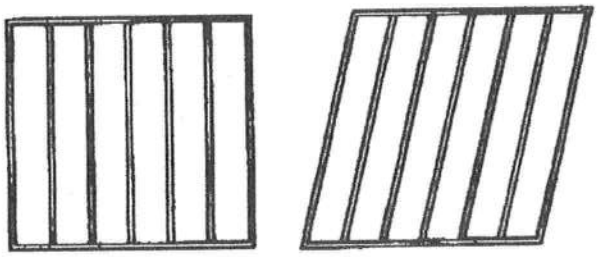
PROFOAM CORPORATION

2171 Cheshire Bridge Road • Atlanta, GA 30324 • Phone: (866) 776-3626 • Fax: (404) 982-0857 • www.profoam.com

PROFOAM and Wall Strength

Why should I worry about wall strength?

Your walls are the main structural component of your home. In wood frame construction, the weight of the roof and any snow on the roof push down on the walls with a compressive force. Strong winds and wind gusts impose lateral loads onto your house walls that tend to distort the walls with a shearing force. Building codes require that walls be designed to withstand these loads. However, when walls are built to minimum standards, while safe, you may sense wall creaking during high winds or shaking when doors are slammed or the kids are actively romping about.



Stud wall as built.

Stud wall under shear load (exaggerated)

What is a shearing force?

A shearing force on a wall tends to distort the wall from it's original shape as a rectangle into a parallelogram. To test a wall's resistance to the shear forces imposed by wind loading, engineers use a "racking test." An 8 ft. x 8 ft. model wall is built and placed in a large frame. The base of the wall is secured to the frame and a horizontal (lateral) force is applied at one upper corner. The force in increased in 400 lb. increments until the wall structure fails.

What is the effect of PROFOAM insulation on wall strength?

In a series of racking tests*, walls with and without spray-applied polyurethane foam insulation were compared. Two exterior facing materials were tested:

(1) Vinyl siding over 15-lb. building paper; and

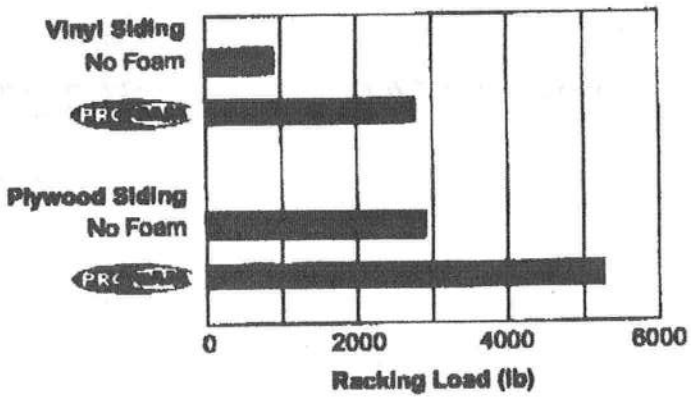
(2) 5/8- inch textured plywood siding.

All wall panels were faced with 1/2-inch sheetrock on the interior side and used 16 inch stud spacing. For the stud wall panels that were insulated with spray-applied polyurethane foam, the stud cavities were essentially completely filled with foam of 1.5 lb/ft3 density.

As the graph indicates, stud walls filled with spray-applied polyurethane foam add significant strength to home walls. Furthermore, for each load applied, the foam filled walls deformed less and offered greater resilience.

What does this mean to me?

PROFOAM insulation is sprayed into your stud walls and fully adheres to the exterior sheathing and studs, reinforcing both. With this added rigidity, there will be less wall movement due to shaking and vibration. Additionally your walls have greater than code required resistance to "racking events" such as hurricanes or other strong wind situations.



With PROFOAM, you get more than insulation...
You get strength and an air barrier too!

** Test results are reported in "Testing and Adoption of Spray Polyurethane Foam for Wood Frame Building Construction" (May 25, 1992) prepared by NAHB Research Center for The Society of the Plastics Industry/Polyurethane Foam Contractors Division.*

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 01-5S-16-03406-108 Building permit No. 000021972

Use Classification SFD & UTILITY Fire: 65.12

Permit Holder AARON SIMQUE HOMES, INC. Waste: 134.75

Owner of Building TIM & JENNY NICKELSON Total: 199.87

Location: 182 SW GOVERNORS GLEN(ROSE CREEK PLAT. LOT 8)

Date: 11/17/2005

COLUMBIA COUNTY GATEWAY TO FLORIDA

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)