

DATE 09/14/2009

Columbia County Building Permit

This Permit Must Be Prominently Posted on Premises During Construction

PERMIT

000028080

APPLICANT AARON SIMQUE PHONE 867-0692
ADDRESS P.O. BOX 2962 LAKE CITY FL 32056
OWNER JEFFREY & JOAN CHARLES PHONE 850 995-1508
ADDRESS 259 SW SILVER PALM DR LAKE CITY FL 32024
CONTRACTOR DAVID SIMQUE PHONE 755-7787
LOCATION OF PROPERTY 90W, TL ON 252B, TR ON ROSEMARY DR., LOT ON RIGHT
CORNER OF ROSEMARY AND SILVER PALM DR.
TYPE DEVELOPMENT SFD, UTILITY ESTIMATED COST OF CONSTRUCTION 136300.00
HEATED FLOOR AREA 1896.00 TOTAL AREA 2726.00 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 30.00 REAR 25.00 SIDE 25.00
NO. EX.D.U. 0 FLOOD ZONE X DEVELOPMENT PERMIT NO.

PARCEL ID 03-4S-16-02731-091 SUBDIVISION PRESERVE AT LAUREL LAKES
LOT 91 BLOCK PHASE UNIT TOTAL ACRES 0.44

CGC1516165

Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor
WAIVER X09-228 BK WR Y
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: MFE @ 118.3 PER PLAT, ELEVATION CONFIRMATION LETTER REQUIRED
AT SLAB

Check # or Cash 300

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power Foundation Monolithic
date/app. by date/app. by date/app. by
Under slab rough-in plumbing Slab Sheathing/Nailing
date/app. by date/app. by date/app. by
Framing Insulation
date/app. by date/app. by
Rough-in plumbing above slab and below wood floor Electrical rough-in
date/app. by date/app. by
Heat & Air Duct Peri. beam (Lintel) Pool
date/app. by date/app. by date/app. by
Permanent power C.O. Final Culvert
date/app. by date/app. by date/app. by
Pump pole Utility Pole M/H tie downs, blocking, electricity and plumbing
date/app. by date/app. by date/app. by
Reconnection RV Re-roof
date/app. by date/app. by date/app. by

BUILDING PERMIT FEE \$ 685.00 CERTIFICATION FEE \$ 13.63 SURCHARGE FEE \$ 13.63
MISC. FEES \$ 0.00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ 0.00 WASTE FEE \$
FLOOD DEVELOPMENT FEE \$ FLOOD ZONE FEE \$ CULVERT FEE \$ TOTAL FEE 762.26
INSPECTORS OFFICE CLERKS OFFICE

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 NOT SUSPENDED, ABANDONED OR INVALID WHEN THE PERMIT HAS RECIEVED AN APPROVED INSPECTION WITHIN 180 DAYS OT THE PREVIOUS INSPECTION.

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

Columbia County Building Permit Application

1759

For Office Use Only Application # 0908-02 Date Received 8/3/09 By Gr Permit # 28080
Zoning Official BLK Date 11.08.09 Flood Zone X Land Use Res. Low Density Zoning PRD
FEMA Map # N/A Elevation NA MFE 118.3 River NA Plans Examiner WD Date 8/7/09
Comments Elevation confirmation letter Required at slab
☐ NOC ☒ EH ☐ Deed or PA ☒ Site Plan ☐ State Road Info ☐ Parent Parcel # _____
☐ Dev Permit # _____ ☐ In Floodway ☐ Letter of Auth. from Contractor ☐ F W Comp. letter
IMPACT FEES: EMS _____ Fire _____ Corr _____ Road/Code _____
School _____ = TOTAL Suspended

Septic Permit No. X 09-228 Fax 386-752-2282
Name Authorized Person Signing Permit Melanie or Linda Roder Phone 386-752-2281
Address 387 SW Kemp Court Lake City, FL 32024
Owners Name Jeffrey and Joan Charles Phone 850-995-1508
911 Address 259 SW Silver Palm dr. Lake City, FL 32024
Contractors Name Dare Simque Phone 386-755-7787
Address P.O. Box 2962 Lake City, FL 32056

Fee Simple Owner Name & Address NA
Bonding Co. Name & Address NA
Architect/Engineer Name & Address Will Myers / Nick Geisler
Mortgage Lenders Name & Address Capital City Bank

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

Property ID Number 03-45-16-02731-091 Estimated Cost of Construction 200,000
Subdivision Name Preserve at Laurel Lake Lot 91 Block _____ Unit 1 Phase _____
Driving Directions 90 W TL on SW CR 252 B, TR on SW Rosemary dr. lot on R on corner of SW Rosemary and SW Silver Palm Dr.
Number of Existing Dwellings on Property 0

Construction of SFD Total Acreage .44 Lot Size _____
Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive Total Building Height 24'-2"
Actual Distance of Structure from Property Lines - Front 27'-5" Side 44'-4" Side 31'-9" Rear 53'-0"
Number of Stories 1 Heated Floor Area 1896 Total Floor Area 2726 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.

left message
8/11/09

Columbia County Building Permit Application

TIME LIMITATIONS OF APPLICATION: An application for a permit for any proposed work shall be deemed to have been abandoned 180 days after the date of filing, unless such application has been pursued in good faith or a permit has been issued; except that the building official is authorized to grant one or more extensions of time for additional periods not exceeding 90 days each. The extension shall be requested in writing and justifiable cause demonstrated.

TIME LIMITATIONS OF PERMITS: 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 work is commenced. A valid permit receives an approved inspection every 180 days. Work shall be considered not suspended, abandoned or invalid when the permit has received an approved inspection within 180 days of the previous approved inspection.

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.

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT 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.

OWNERS CERTIFICATION: I CERTIFY THAT ALL THE FOREGOING INFORMATION IS ACCURATE AND THAT ALL WORK WILL BE DONE IN COMPLIANCE WITH ALL APPLICABLE LAWS REGULATING CONSTRUCTION AND ZONING.

NOTICE TO OWNER: There are some properties that may have deed restrictions recorded upon them. These restrictions may limit or prohibit the work applied for in your building permit. It may be to your advantage to check and see if your property is encumbered by any restrictions.

Santhales 7/26/09
7/26/09

Owners Signature

(Owners Must Sign All Applications Before Permit Issuance.)

****OWNER BUILDERS MUST PERSONALLY APPEAR AND SIGN THE BUILDING PERMIT.**

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 including all application and permit time limitations.

[Signature]

Contractor's Signature (Permittee)

Contractor's License Number CGC1516165
Columbia County
Competency Card Number _____

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 3 day of Aug 2009.

Personally known _____ or Produced Identification _____

[Signature]

State of Florida Notary Signature (For the Contractor)

SEAL:

NOTARY PUBLIC-STATE OF FLORIDA
Linda R. Roder
Commission #DD755608
Expires: MAR. 24, 2012
BONDED THRU ATLANTIC BONDING CO., INC.



COLUMBIA COUNTY BUILDING DEPARTMENT
LETTER OF AUTHORIZATION TO SIGN FOR PERMITS

135 NE Hernando Ave, Suite B-21, Lake City, FL 32055

Phone: 386-758-1008 Fax: 386-758-2160

I, Dave Simque (license holder name), licensed qualifier
for North FL Permit Services (company name), do certify that
the below referenced person(s) listed on this form is/are **employed** by me directly or through an
employee leasing arrangement; or, is an officer of the corporation; or, partner as defined in
Florida Statutes Chapter 468, and the said person(s) is/are under my direct supervision and
control and is/are authorized to purchase permits, call for inspections, and sign on my behalf.

Printed Name of Person Authorized	Signature of Authorized Person
1. <u>Melanie Roder</u>	1. <u>Melanie Roder</u>
2. <u>Linda Roder</u>	2. <u>Linda Roder</u>
3.	3.
4.	4.
5.	5.

I, the license holder, realize that I am responsible for all permits purchased, and all work done
under my license and fully responsible for compliance with all Florida Statutes, Codes, and
Local Ordinances. I understand that the State and County Licensing Boards have the power and
authority to discipline a license holder for violations committed by him/her, his/her agents,
officers, or employees and that I have full responsibility for compliance with all statutes, codes
and ordinances inherent in the privilege granted by issuance of such permits.

If at any time the person(s) you have authorized is/are no longer employee(s), or officer(s), you
must notify this department in writing of the changes and submit a new letter of authorization
form, which will supersede all previous lists. Failure to do so may allow unauthorized persons to
use your name and/or license number to obtain permits.

License Holders Signature (Notarized)

CGC 1516165

License Number

Date

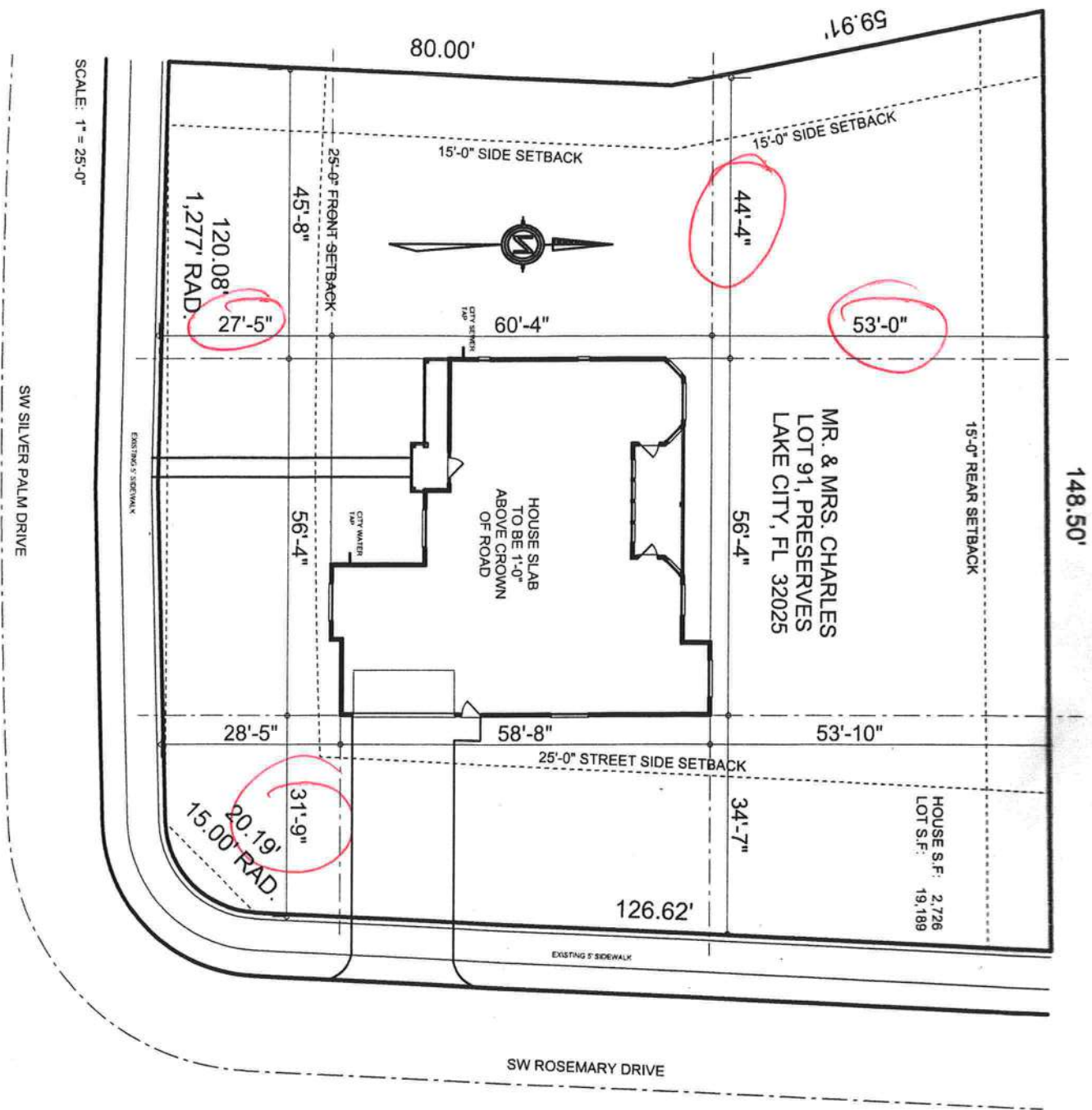
NOTARY INFORMATION:

STATE OF: Florida COUNTY OF: Columbia

The above license holder, whose name is Dave Simque,
personally appeared before me and is known by me or has produced identification
(type of I.D.) NA on this 3 day of Aug, 2009.

NOTARY'S SIGNATURE

NOTARY PUBLIC-STATE OF FLORIDA
Linda R. Roder
Commission #DD735608
Expires: MAR. 24, 2012
BONDED THRU ATLANTIC BONDING CO., INC.



SCALE: 1" = 25'-0"

SW SILVER PALM DRIVE

SW ROSEMARY DRIVE

COLUMBIA COUNTY 9-1-1 ADDRESSING

P. O. Box 1787, Lake City, FL 32056-1787
PHONE: (386) 758-1125 * 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 REQUESTED: 7/14/2009 DATE ISSUED: 7/17/2009

ENHANCED 9-1-1 ADDRESS:

259 SW SILVER PALM DR

LAKE CITY FL 32024

PROPERTY APPRAISER PARCEL NUMBER:

03-4S-16-02731-091

Remarks:

LOT 91 PRESERVE AT LAUREL LAKE UNIT 1

Address Issued By:



Columbia County 9-1-1 Addressing / GIS Department

NOTICE: THIS ADDRESS WAS ISSUED BASED ON LOCATION INFORMATION RECEIVED FROM THE REQUESTER. SHOULD, AT A LATER DATE, THE LOCATION INFORMATION BE FOUND TO BE IN ERROR, THIS ADDRESS IS SUBJECT TO CHANGE.

1477

Rec. 18.50
Dt. 349.30

49,700.00
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. 09-42

Property Appraiser's
Identification Number
03-48-16-02731-091

Inst 200912004648 Date 3/20/2009 Time 4:33 PM
Doc Stamp-Deed 349.30
DC, P. DeWitt Cason, Columbia County Page 1 of 2 B 1169 P 1812

WARRANTY DEED

This Warranty Deed, made this 20th day of March 2009, BETWEEN RESIDENTIAL DEVELOPMENT GROUP, LLC, A Florida Limited Liability Company, whose post office address is 2806 West US Highway 90, Suite 101, Lake City, Florida 32055, of the County of Columbia, State of Florida, grantor*, and JEFFREY DANIEL CHARLES and his wife, JOAN SUE CHARLES, whose post office address is 2667 Segrest Road, Milton, Florida 32571, of the County of Santa Rosa, 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 91, 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.

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.

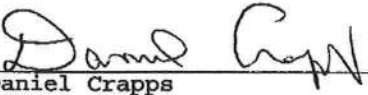
And subject to taxes for the current year and later years and all valid easements and restrictions of record, if any, which are not hereby reimposed; and also subject to any claim, right, title or interest arising from any recorded instrument reserving, conveying, leasing, or otherwise alienating any 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.


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:

RESIDENTIAL DEVELOPMENT GROUP,
LLC


(First Witness)
Terry McDavid
Printed Name

By: 
Daniel Crapps
Managing Member

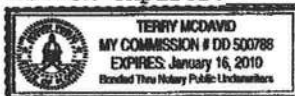

(Second Witness)
Myrtle Ann McElroy
Printed Name

By: 
Charles S. Sparks
Managing Member

STATE OF FLORIDA
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 20th
day of March 2009, by DANIEL CRAPPS and CHARLES S. SPARKS, as
Managing Members of RESIDENTIAL DEVELOPMENT GROUP, LLC, a Florida
Limited Liability Company, on behalf of said company. They are
personally known to me and did not take an oath.


Notary Public
My commission expires:



FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs Residential Performance Method A

Project Name: Charles Residence
 Street:
 City, State, Zip: Lake City, FL, 32025-
 Owner: Mr. & Mrs. Charles
 Design Location: FL, Gainesville

Builder Name: *David* Aaron Simque Homes, Inc.
 Permit Office: Columbia County
 Permit Number: *28080*
 Jurisdiction: *221000*

- | | |
|--|------------------|
| 1. New construction or existing | New (From Plans) |
| 2. Single family or multiple family | Single-family |
| 3. Number of units, if multiple family | 1 |
| 4. Number of Bedrooms | 3 |
| 5. Is this a worst case? | No |
| 6. Conditioned floor area (ft ²) | 1896 |

- | 7. Windows | Description | Area |
|--------------|-------------|------------------------|
| a. U-Factor: | Dbl, U=0.30 | 361.33 ft ² |
| SHGC: | SHGC=0.50 | |
| b. U-Factor: | N/A | ft ² |
| SHGC: | | |
| c. U-Factor: | N/A | ft ² |
| SHGC: | | |
| d. U-Factor: | N/A | ft ² |
| SHGC: | | |
| e. U-Factor: | N/A | ft ² |
| SHGC: | | |

- | 8. Floor Types | Insulation | Area |
|----------------------------------|------------|-------------------------|
| a. Slab-On-Grade Edge Insulation | R=5.0 | 1896.00 ft ² |
| b. N/A | R= | ft ² |
| c. N/A | R= | ft ² |

- | 9. Wall Types | Insulation | Area |
|---------------------------|------------|-------------------------|
| a. Frame - Wood, Exterior | R=13.0 | 1989.00 ft ² |
| b. N/A | R= | ft ² |
| c. N/A | R= | ft ² |
| d. N/A | R= | ft ² |

- | 10. Ceiling Types | Insulation | Area |
|---------------------------------------|------------|-------------------------|
| a. Under Attic (Vented) | R=30.0 | 1486.00 ft ² |
| b. Cathedral/Single Assembly (Vented) | R=30.0 | 600.00 ft ² |
| c. N/A | R= | ft ² |

11. Ducts
 a. Sup: Attic Ret: Attic AH: Garage Sup. R= 6, 474 ft²

12. Cooling systems
 a. Central Unit
 Cap: 42.9 kBtu/hr
 SEER: 14

13. Heating systems
 a. Electric Heat Pump
 Cap: 42.9 kBtu/hr
 HSPF: 7.7

14. Hot water systems
 a. Electric
 Cap: 50 gallons
 EF: 0.9
 b. Conservation features
 None

15. Credits Pstat

Glass/Floor Area: 0.191

Total As-Built Modified Loads: 34.64

Total Baseline Loads: 41.19

PASS

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

PREPARED BY: *[Signature]*
 DATE: *7/8/09*

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: _____

- Compliance requires an envelope leakage test report, by a Florida Class 1 Rater, in accordance with N1113.A.1.

PROJECT

Title: Charles Residence	Bedrooms: 3	Address Type: Lot Information
Building Type: FLAsBuilt	Bathrooms: 0	Lot #: 91
Owner: Mr. & Mrs. Charles	Conditioned Area: 1896	SubDivision: The Preserves
# of Units: 1	Total Stories: 1	PlatBook:
Builder Name: Aaron Simque Homes, Inc.	Worst Case: No	Street:
Permit Office: Columbia County	Rotate Angle: 0	County: Columbia
Jurisdiction:	Cross Ventilation:	City, State, Zip: Lake City ,
Family Type: Single-family	Whole House Fan:	FL , 32025-
New/Existing: New (From Plans)		
Comment:		

CLIMATE

✓	Design Location	TMY Site	IECC Zone	Design Temp 97.5 %	2.5 %	Int Design Temp Winter	Summer	Heating Degree Days	Design Moisture	Daily Temp Range
_____	FL, Gainesville	FL_GAINESVILLE_REGI	2	32	92	75	70	1305.5	51	Medium

FLOORS

✓	#	Floor Type	Perimeter	R-Value	Area	Tile	Wood	Carpet
_____	1	Slab-On-Grade Edge Insulatio	221.8 ft	5	1896 ft²	0	0	1

ROOF

✓	#	Type	Materials	Roof Area	Gable Area	Roof Color	Solar Absor.	Tested	Deck Insul.	Pitch
_____	1	Hip	Composition shingles	2468 ft²	0 ft²	Dark	0.96	No	0	39.8 deg

ATTIC

✓	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
_____	1	Partial cathedral cei	Vented	303	1896 ft²	N	N

CEILING

✓	#	Ceiling Type	R-Value	Area	Framing Frac	Truss Type
_____	1	Under Attic (Vented)	30	1486 ft²	0.11	Wood
_____	2	Cathedral/Single Assembly (Vented)	30	600 ft²	0.11	Wood

WALLS

✓	#	Ornt	Adjacent To	Wall Type *	Cavity R-Value	Area	Sheathing R-Value	Framing Fraction	Solar Absor.
_____	1	N	Exterior	Frame - Wood	13	415.45 ft²	0	0.23	0.75
_____	2	S	Exterior	Frame - Wood	13	271.78 ft²	0	0.23	0.75
_____	3	E	Exterior	Frame - Wood	13	256.45 ft²	0	0.23	0.75
_____	4	W	Exterior	Frame - Wood	13	238.45 ft²	0	0.23	0.75
_____	5	NE	Exterior	Frame - Wood	13	221.45 ft²	0	0.23	0.75
_____	6	NW	Exterior	Frame - Wood	13	236.45 ft²	0	0.23	0.75
_____	7	N	Exterior	Frame - Wood	13	58.17 ft²	0	0.23	0.75
_____	8	S	Exterior	Frame - Wood	13	58.17 ft²	0	0.23	0.75

WALLS										
✓	#	Omt	Adjacent To	Wall Type	Cavity R-Value	Area	Sheathing R-Value	Framing Fraction	Solar Absor.	
✓	9	E	Exterior	Frame - Wood	13	58.17 ft²	0	0.23	0.75	
✓	10	W	Exterior	Frame - Wood	13	58.17 ft²	0	0.23	0.75	
✓	11	NE	Exterior	Frame - Wood	13	58.17 ft²	0	0.23	0.75	
✓	12	NW	Exterior	Frame - Wood	13	58.16 ft²	0	0.23	0.75	

DOORS						
✓	#	Omt	Door Type	Storms	U-Value	Area
✓	1	NE	Insulated	None	0.46	20 ft²
✓	2	N	Insulated	None	0.46	20 ft²

WINDOWS													
Window orientation below is as entered. Actual orientation is modified by rotate angle shown in "Project" section above.													
✓	#	Omt	Frame	Panes	NFRC	U-Factor	SHGC	Storms	Area	Overhang		Int Shade	Screening
										Depth	Separation		
✓	1	S	Metal	Double (Clear)	Yes	0.3	0.5	N	16 ft²	0 ft 66 in	0 ft 0 in	HERS 2006	None
✓	2	S	Metal	Double (Clear)	Yes	0.3	0.5	N	13.33 ft²	0 ft 90 in	0 ft 0 in	HERS 2006	None
✓	3	S	Metal	Double (Clear)	Yes	0.3	0.5	N	36 ft²	0 ft 18 in	0 ft 0 in	HERS 2006	None
✓	4	E	Metal	Double (Clear)	Yes	0.3	0.5	N	30 ft²	0 ft 18 in	0 ft 0 in	HERS 2006	None
✓	5	N	Metal	Double (Clear)	Yes	0.3	0.5	N	30 ft²	0 ft 18 in	0 ft 0 in	HERS 2006	None
✓	6	N	Metal	Double (Clear)	Yes	0.3	0.5	N	25 ft²	0 ft 18 in	0 ft 0 in	HERS 2006	None
✓	7	NW	Metal	Double (Clear)	Yes	0.3	0.5	N	15 ft²	0 ft 30 in	0 ft 0 in	HERS 2006	None
✓	8	N	Metal	Double (Clear)	Yes	0.3	0.5	N	84 ft²	0 ft 114 in	0 ft 0 in	HERS 2006	None
✓	9	W	Metal	Double (Clear)	Yes	0.3	0.5	N	20 ft²	0 ft 60 in	0 ft 0 in	HERS 2006	None
✓	10	E	Metal	Double (Clear)	Yes	0.3	0.5	N	20 ft²	0 ft 60 in	0 ft 0 in	HERS 2006	None
✓	11	NE	Metal	Double (Clear)	Yes	0.3	0.5	N	15 ft²	0 ft 30 in	0 ft 0 in	HERS 2006	None
✓	12	N	Metal	Double (Clear)	Yes	0.3	0.5	N	30 ft²	0 ft 18 in	0 ft 0 in	HERS 2006	None
✓	13	NW	Metal	Double (Clear)	Yes	0.3	0.5	N	15 ft²	0 ft 18 in	0 ft 0 in	HERS 2006	None
✓	14	W	Metal	Double (Clear)	Yes	0.3	0.5	N	10 ft²	0 ft 18 in	0 ft 0 in	HERS 2006	None
✓	15	W	Metal	Double (Clear)	Yes	0.3	0.5	N	2 ft²	0 ft 18 in	0 ft 6 in	HERS 2006	None

INFILTRATION & VENTING										
✓	Method	SLA	CFM 50	ACH 50	ELA	EqLA	--- Forced Ventilation ---		Run Time	Fan
							Supply CFM	Exhaust CFM	Fraction	Watts
✓	Proposed ACH	0.00036	1790	630	98.3	184.8	0 cfm	0 cfm	0	0

GARAGE						
✓	#	Floor Area	Ceiling Area	Exposed Wall Perimeter	Avg. Wall Height	Exposed Wall Insulation
✓	1	552 ft²	552 ft²	64 ft	9 ft	(invalid)

COOLING SYSTEM

✓ #	System Type	Subtype	Efficiency	Capacity	Air Flow	SHR	Ductless
1	Central Unit	None	SEER: 14	42.9 kBtu/hr	cfm	0.75	

HEATING SYSTEM

✓ #	System Type	Subtype	Efficiency	Capacity	Ductless
1	Electric Heat Pump	None	HSPF: 7.7	42.9 kBtu/hr	

HOT WATER SYSTEM

✓ #	System Type	EF	Cap	Use	SetPnt	Conservation
1	Electric	0.9	50 gal	60 gal	120 deg	None

SOLAR HOT WATER SYSTEM

✓ FSEC	Cert #	Company Name	System Model #	Collector Model #	Collector Area	Storage Volume	FEF
None	None				ft²		

DUCTS

✓ #	Location	Supply R-Value	Supply Area	Location	Return Area	Leakage Type	Air Handler	CFM 25	Percent Leakage	QN	RLF
1	Attic	6	474 ft²	Attic	94.8 ft²	Default Leakage	Garage				

TEMPERATURES

Programable Thermostat: Y

Ceiling Fans:

Cooling	<input checked="" type="checkbox"/> Jan	<input checked="" type="checkbox"/> Feb	<input checked="" type="checkbox"/> Mar	<input checked="" type="checkbox"/> Apr	<input checked="" type="checkbox"/> May	<input checked="" type="checkbox"/> Jun	<input checked="" type="checkbox"/> Jul	<input checked="" type="checkbox"/> Aug	<input checked="" type="checkbox"/> Sep	<input checked="" type="checkbox"/> Oct	<input checked="" type="checkbox"/> Nov	<input checked="" type="checkbox"/> Dec
Heating	<input checked="" type="checkbox"/> Jan	<input checked="" type="checkbox"/> Feb	<input checked="" type="checkbox"/> Mar	<input checked="" type="checkbox"/> Apr	<input checked="" type="checkbox"/> May	<input checked="" type="checkbox"/> Jun	<input checked="" type="checkbox"/> Jul	<input checked="" type="checkbox"/> Aug	<input checked="" type="checkbox"/> Sep	<input checked="" type="checkbox"/> Oct	<input checked="" type="checkbox"/> Nov	<input checked="" type="checkbox"/> Dec
Venting	<input checked="" type="checkbox"/> Jan	<input checked="" type="checkbox"/> Feb	<input checked="" type="checkbox"/> Mar	<input checked="" type="checkbox"/> Apr	<input checked="" type="checkbox"/> May	<input checked="" type="checkbox"/> Jun	<input checked="" type="checkbox"/> Jul	<input checked="" type="checkbox"/> Aug	<input checked="" type="checkbox"/> Sep	<input checked="" type="checkbox"/> Oct	<input checked="" type="checkbox"/> Nov	<input checked="" type="checkbox"/> Dec

Thermostat Schedule: HERS 2006 Reference

Schedule Type		1	2	3	4	5	6	7	8	9	10	11	12
Cooling (WD)	AM	78	78	78	78	78	78	78	78	80	80	80	80
	PM	80	80	78	78	78	78	78	78	78	78	78	78
Cooling (WEH)	AM	78	78	78	78	78	78	78	78	78	78	78	78
	PM	78	78	78	78	78	78	78	78	78	78	78	78
Heating (WD)	AM	66	66	66	66	66	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	66	66
Heating (WEH)	AM	66	66	66	66	66	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	66	66

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: Lake City, FL, 32025-	PERMIT #:
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INFILTRATION REDUCTION COMPLIANCE CHECKLIST

COMPONENTS	SECTION	REQUIREMENTS FOR EACH PRACTICE	CHECK
Exterior Windows & Doors	N1106.AB.1.1	Maximum: .3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	
Exterior & Adjacent Walls	N1106.AB.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	N1106.AB.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	N1106.AB.1.2.3	Between walls & ceilings; penetrations of ceiling plane to 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	N1106.AB.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 with < 2.0 cfm from conditioned space, tested.	
Multi-story Houses	N1106.AB.1.2.5	Air barrier on perimeter of floor cavity between floors.	
Additional Infiltration reqts	N1106.AB.1.3	Exhaust fans vented to outdoors, dampers; combustion space heaters comply with NFPA, have combustion air.	

OTHER PRESCRIPTIVE MEASURES (must be met or exceeded by all residences.)

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	N1112.AB.3	Comply with efficiency requirements in Table N112.ABC.3. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	N1112.AB.2.3	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%. Heat pump pool heaters shall have a minimum COP of 4.0.	
Shower heads	N1112.AB.2.4	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	N1110.AB	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated and installed in accordance with the criteria of Section N1110.AB. Ducts in unconditioned attics: R-6 min. insulation.	
HVAC Controls	N1107.AB.2	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	N1104.AB.1 N1102.B.1.1	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 INDEX* = 84

The lower the EnergyPerformance Index, the more efficient the home.

, Lake City, FL, 32025-

1. New construction or existing	New (From Plans)		9. Wall Types	Insulation	Area
2. Single family or multiple family	Single-family		a. Frame - Wood, Exterior	R=13.0	1989.00 ft ²
3. Number of units, if multiple family	1		b. N/A	R=	ft ²
4. Number of Bedrooms	3		c. N/A	R=	ft ²
5. Is this a worst case?	No		d. N/A	R=	ft ²
6. Conditioned floor area (ft ²)	1896		10. Ceiling Types	Insulation	Area
7. Windows**	Description	Area	a. Under Attic (Vented)	R=30.0	1486.00 ft ²
a. U-Factor:	Dbl, U=0.30	361.33 ft ²	b. Cathedral/Single Assembly (Vented)	R=30.0	600.00 ft ²
SHGC:	SHGC=0.50		c. N/A	R=	ft ²
b. U-Factor:	N/A	ft ²	11. Ducts		
SHGC:			a. Sup: Attic Ret: Attic AH: Garage Sup. R= 6, 474 ft ²		
c. U-Factor:	N/A	ft ²	12. Cooling systems		
SHGC:			a. Central Unit	Cap: 42.9 kBtu/hr	SEER: 14
d. U-Factor:	N/A	ft ²	13. Heating systems		
SHGC:			a. Electric Heat Pump	Cap: 42.9 kBtu/hr	HSPF: 7.7
e. U-Factor:	N/A	ft ²	14. Hot water systems		
SHGC:			a. Electric	Cap: 50 gallons	EF: 0.9
8. Floor Types	Insulation	Area	b. Conservation features		
a. Slab-On-Grade Edge Insulation	R=5.0	1896.00 ft ²	None		
b. N/A	R=	ft ²	15. Credits		Pstat
c. N/A	R=	ft ²			

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 Index is only available through the EnergyGauge USA - FlaRes2008 computer program. This is not a Building Energy Rating. If your Index is below 100, your home may qualify for 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 energygauge.com 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.

**Label required by Section 13-104.4.5 of the Florida Building Code, Building, or Section B2.1.1 of Appendix G of the Florida Building Code, Residential, if not DEFAULT.

Recorded & Returned

Sierra Title, LLC
419 SW SR 247, Ste 10
Lake City, FL 32025

28080

Inst 200912015460 Date 9/14/2009 Time 4:12 PM
DC,P,DeWitt: Cason,Columbia County Page 1 of 2 B:1180 P:2183

THIS INSTRUMENT PREPARED BY:

CAPITAL CITY BANK

Post Office Box 15469, Tallahassee, Florida 32317 -5469

Loan # 7379194970

Tax Folio #

NOTICE OF COMMENCEMENT

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 information is provided in this Notice of Commencement.

1. Description of property (legal description of property, and street address if available):

Lot 91, Preserve At Laurel Lake, Unit 1, according to the plat thereof, as recorded in Plat Book 9, Page 18, of the Public Records of Columbia County, Florida.
2. General description of improvement: A single family dwelling
3. Owner information:
 - a) Name and address:
Joan Sue Charles and Jeffrey Daniel Charles
2667 Segrest Rd.
Pace, FL 32571
 - b) Interest in property: Fee simple
 - c) Name and address of fee simple titleholder (if other than owner):
4. Contractor (name and address):
Simque Construction
PO Box 2962
Lake City, FL 32055
5. Surety
 - a) Name and address:
 - b) Amount of bond: \$ _____
6. Lender (name and address): Capital City Bank, P.O. Box 15469, Tallahassee, FL 32317
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 (name and address):
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 (name and address):

Capital City Bank, PO Box 15469, Tallahassee, FL 32317
9. Expiration date of Notice of Commencement (the expiration date is two years from the date of recording unless a different date is specified):

WARNING TO OWNER: ANY PAYMENTS MADE BY THE OWNER AFTER THE EXPIRATION OF THE NOTICE OF COMMENCEMENT ARE CONSIDERED IMPROPER PAYMENTS UNDER CHAPTER 713, PART 1, SECTION 713.13, FLORIDA STATUTES AND CAN RESULT IN YOUR 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 YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OR RECORDING YOUR NOTICE OF COMMENCEMENT.

Joan Sue Charles
Signature of Owner

Joan Sue Charles
Owner's name (printed): Joan Sue Charles

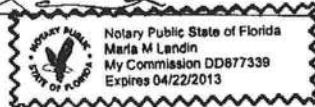
Jeffrey Daniel Charles
Signature of Owner

Jeffrey Daniel Charles
Owner's name (printed): Jeffrey Daniel Charles

Address of Owner

Sworn to and subscribed before me by Joan Sue Charles and Jeffrey Daniel Charles who is personally known to me or produced D.L. as identification, and who did /did not take an oath, this 14 day of September, 2009

Maria M. Landin
Signature of Notary



Verification pursuant to Section 92.525, Florida Statutes.

Under penalties of perjury, I declare that I have read the foregoing and that the facts stated in it are true to the best of my knowledge and belief.

Signature of Natural Person Signing Above

Residential System Sizing Calculation

Summary

Mr. & Mrs. Charles

Project Title:
Charles Residence

Code Only
Professional Version
Climate: North

Lake City, FL 32025-

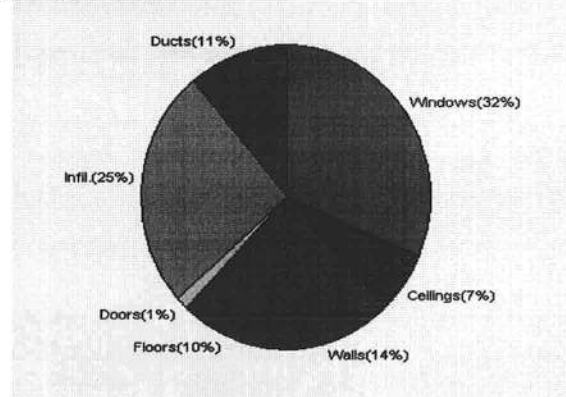
7/8/2009

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	36735	Btuh	Total cooling load calculation	38997	Btuh
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	116.8	42900	Sensible (SHR = 0.75)	107.5	32175
Heat Pump + Auxiliary(0.0kW)	116.8	42900	Latent	118.4	10725
			Total (Electric Heat Pump)	110.0	42900

WINTER CALCULATIONS

Winter Heating Load (for 1896 sqft)

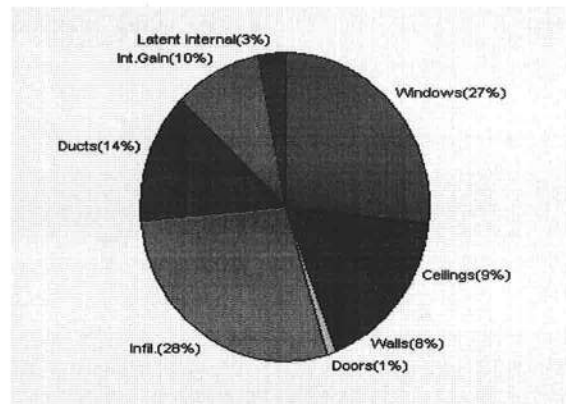
Load component		Load	
Window total	361 sqft	11631	Btuh
Wall total	1588 sqft	5214	Btuh
Door total	40 sqft	518	Btuh
Ceiling total	2086 sqft	2458	Btuh
Floor total	222 sqft	3627	Btuh
Infiltration	228 cfm	9216	Btuh
Duct loss		4071	Btuh
Subtotal		36735	Btuh
Ventilation	0 cfm	0	Btuh
TOTAL HEAT LOSS		36735	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 1896 sqft)

Load component		Load	
Window total	361 sqft	10465	Btuh
Wall total	1588 sqft	3312	Btuh
Door total	40 sqft	392	Btuh
Ceiling total	2086 sqft	3455	Btuh
Floor total		0	Btuh
Infiltration	199 cfm	3705	Btuh
Internal gain		3780	Btuh
Duct gain		4831	Btuh
Sens. Ventilation	0 cfm	0	Btuh
Total sensible gain		29940	Btuh
Latent gain(ducts)		583	Btuh
Latent gain(infiltration)		7275	Btuh
Latent gain(ventilation)		0	Btuh
Latent gain(internal/occupants/other)		1200	Btuh
Total latent gain		9058	Btuh
TOTAL HEAT GAIN		38997	Btuh



Version 8
For Florida residences only

EnergyGauge® System Sizing

PREPARED BY:

DATE: 7/8/09

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Mr. & Mrs. Charles

Project Title:
Charles Residence

Code Only
Professional Version
Climate: North

Lake City, FL 32025-

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F

7/8/2009

WHOLE HOUSE TOTALS

	Subtotal Sensible	36735 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	36735 Btuh

EQUIPMENT

1. Electric Heat Pump	#	42900 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

Mr. & Mrs. Charles

Project Title:
Charles Residence

Code Only
Professional Version
Climate: North

Lake City, FL 32025-

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F

7/8/2009

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft)	X	HTM=	Load
1	2, Clear, Metal, 0.87	S	16.0		32.2	515 Btuh
2	2, Clear, Metal, 0.87	S	13.3		32.2	429 Btuh
3	2, Clear, Metal, 0.87	S	36.0		32.2	1159 Btuh
4	2, Clear, Metal, 0.87	E	30.0		32.2	966 Btuh
5	2, Clear, Metal, 0.87	N	30.0		32.2	966 Btuh
6	2, Clear, Metal, 0.87	N	25.0		32.2	805 Btuh
7	2, Clear, Metal, 0.87	NW	15.0		32.2	483 Btuh
8	2, Clear, Metal, 0.87	N	84.0		32.2	2704 Btuh
9	2, Clear, Metal, 0.87	W	20.0		32.2	644 Btuh
10	2, Clear, Metal, 0.87	E	20.0		32.2	644 Btuh
11	2, Clear, Metal, 0.87	NE	15.0		32.2	483 Btuh
12	2, Clear, Metal, 0.87	N	30.0		32.2	966 Btuh
13	2, Clear, Metal, 0.87	NW	15.0		32.2	483 Btuh
14	2, Clear, Metal, 0.87	W	10.0		32.2	322 Btuh
15	2, Clear, Metal, 0.87	W	2.0		32.2	64 Btuh
Window Total			361(sqft)			11631 Btuh
Walls	Type	R-Value	Area	X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1239		3.3	4068 Btuh
2	Frame - Wood - Ext(0.09)	13.0	349		3.3	1146 Btuh
Wall Total			1588			5214 Btuh
Doors	Type		Area	X	HTM=	Load
1	Insulated - Adjacent		20		12.9	259 Btuh
2	Insulated - Exterior		20		12.9	259 Btuh
Door Total			40			518Btuh
Ceilings	Type/Color/Surface	R-Value	Area	X	HTM=	Load
1	Vented Attic/D/Shin	30.0	2086		1.2	2458 Btuh
Ceiling Total			2086			2458Btuh
Floors	Type	R-Value	Size	X	HTM=	Load
1	Slab On Grade	5	221.8 ft(p)		16.4	3627 Btuh
Floor Total			222			3627 Btuh
Zone Envelope Subtotal:						23449 Btuh
Infiltration	Type	ACH X	Volume(cuft)	walls(sqft)	CFM=	Load
	Natural	0.80	17064	1588	227.5	9216 Btuh
Ductload	Pro. leak free, Supply(R6.0-Attic), Return(R6.0-Attic) (DLM of 0.125)					4071 Btuh
Zone #1	Sensible Zone Subtotal					36735 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Mr. & Mrs. Charles

Project Title:
Charles Residence

Code Only
Professional Version
Climate: North

Lake City, FL 32025-

7/8/2009

WHOLE HOUSE TOTALS

	Subtotal Sensible	36735 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	36735 Btuh

EQUIPMENT

1. Electric Heat Pump	#	42900 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

Mr. & Mrs. Charles

Project Title:
Charles Residence

Code Only
Professional Version
Climate: North

Lake City, FL 32025-

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F

7/8/2009

Manual J Summer Calculations

Residential Load - Component Details (continued)

Mr. & Mrs. Charles
Lake City, FL 32025-

Project Title:
Charles Residence

Code Only
Professional Version
Climate: North

7/8/2009

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	25108 Btuh
	Sensible Duct Load	4831 Btuh
	Total Sensible Zone Loads	29940 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	29940 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	7275 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	583 Btuh
	Latent occupant gain (6 people @ 200 Btuh per person)	1200 Btuh
	Latent other gain	0 Btuh
	Latent total gain	9058 Btuh
	TOTAL GAIN	38997 Btuh

EQUIPMENT

1. Central Unit	#	42900 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

Mr. & Mrs. Charles

Project Title:
Charles Residence

Code Only
Professional Version
Climate: North

Lake City, FL 32025-

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F

7/8/2009

Component Loads for Zone #1: Main

Window	Type*		Overhang		Window Area(sqft)			HTM		Load	
	Pn/SHGC/U/InSh/ExSh/IS	Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	2, Clear, 0.87, None,0.00,N	S	5.5ft	2.25f	16.0	16.0	0.0	29	29	463	Btuh
2	2, Clear, 0.87, None,0.00,N	S	7.5ft	1.5ft	13.3	13.3	0.0	29	29	386	Btuh
3	2, Clear, 0.87, None,0.00,N	S	1.5ft	1.5ft	36.0	36.0	0.0	29	29	1043	Btuh
4	2, Clear, 0.87, None,0.00,N	E	1.5ft	1.5ft	30.0	28.5	1.5	29	29	869	Btuh
5	2, Clear, 0.87, None,0.00,N	N	1.5ft	1.5ft	30.0	0.0	30.0	29	29	869	Btuh
6	2, Clear, 0.87, None,0.00,N	N	1.5ft	1.5ft	25.0	0.0	25.0	29	29	724	Btuh
7	2, Clear, 0.87, None,0.00,N	NW	2.5ft	1.5ft	15.0	0.0	15.0	29	29	434	Btuh
8	2, Clear, 0.87, None,0.00,N	N	9.5ft	0.5ft	84.0	0.0	84.0	29	29	2433	Btuh
9	2, Clear, 0.87, None,0.00,N	W	5ft.	1ft.	20.0	20.0	0.0	29	29	579	Btuh
10	2, Clear, 0.87, None,0.00,N	E	5ft.	1ft.	20.0	20.0	0.0	29	29	579	Btuh
11	2, Clear, 0.87, None,0.00,N	NE	2.5ft	1.5ft	15.0	0.0	15.0	29	29	434	Btuh
12	2, Clear, 0.87, None,0.00,N	N	1.5ft	1.5ft	30.0	0.0	30.0	29	29	869	Btuh
13	2, Clear, 0.87, None,0.00,N	NW	1.5ft	1.5ft	15.0	0.0	15.0	29	29	434	Btuh
14	2, Clear, 0.87, None,0.00,N	W	1.5ft	1.5ft	10.0	9.5	0.5	29	29	290	Btuh
15	2, Clear, 0.87, None,0.00,N	W	1.5ft	1.5ft	2.0	1.5	0.5	29	29	58	Btuh
Window Total					361 (sqft)					10465 Btuh	
Walls	Type	R-Value/U-Value		Area(sqft)		HTM		Load			
1	Frame - Wood - Ext	13.0/0.09		1238.7		2.1		2584 Btuh			
2	Frame - Wood - Ext	13.0/0.09		349.0		2.1		728 Btuh			
Wall Total					1588 (sqft)			3312 Btuh			
Doors	Type			Area (sqft)		HTM		Load			
1	Insulated - Adjacent			20.0		9.8		196 Btuh			
2	Insulated - Exterior			20.0		9.8		196 Btuh			
Door Total					40 (sqft)			392 Btuh			
Ceilings	Type/Color/Surface	R-Value		Area(sqft)		HTM		Load			
1	Vented Attic/DarkShingle	30.0		2086.0		1.7		3455 Btuh			
Ceiling Total					2086 (sqft)			3455 Btuh			
Floors	Type	R-Value		Size		HTM		Load			
1	Slab On Grade	5.0		222 (ft(p))		0.0		0 Btuh			
Floor Total					221.8 (sqft)			0 Btuh			
Zone Envelope Subtotal:										17623 Btuh	
Infiltration	Type	ACH		Volume(cuft)		wall area(sqft)		CFM=		Load	
	SensibleNatural	0.70		17064		1588		199.1		3705 Btuh	
Internal gain		Occupants		Btuh/occupant		Appliance				Load	
		6		X 230 +		2400				3780 Btuh	
Sensible Envelope Load:										25108 Btuh	
Duct load	Prop. leak free, Supply(R6.0-Attic), Return(R6.0-Attic)							(DGM of 0.192)		4831 Btuh	
Sensible Zone Load										29940 Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

Mr. & Mrs. Charles

Project Title:
Charles Residence

Code Only
Professional Version
Climate: North

Lake City, FL 32025-

7/8/2009

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	25108 Btuh
	Sensible Duct Load	4831 Btuh
	Total Sensible Zone Loads	29940 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	29940 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	7275 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	583 Btuh
	Latent occupant gain (6 people @ 200 Btuh per person)	1200 Btuh
	Latent other gain	0 Btuh
	Latent total gain	9058 Btuh
	TOTAL GAIN	38997 Btuh

EQUIPMENT

1. Central Unit	#	42900 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

Mr. & Mrs. Charles

Project Title:
Charles Residence

Code Only
Professional Version
Climate: North

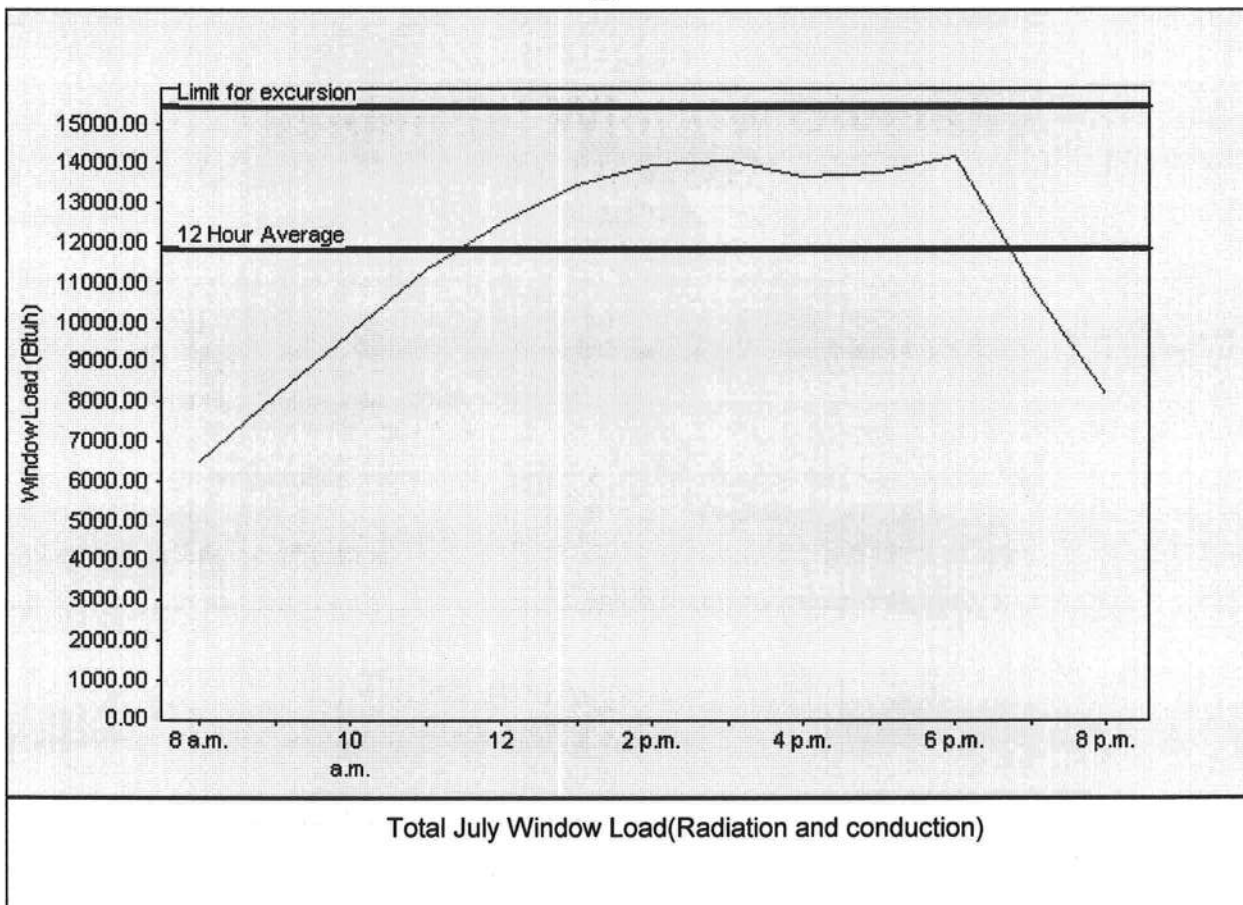
Lake City, FL 32025-

7/8/2009

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	11856 Btu
Summer setpoint	75 F	Peak window load for July	14189 Btu
Summer temperature difference	17 F	Excursion limit(130% of Ave.)	15412 Btu
Latitude	29 North	Window excursion (July)	None

WINDOW Average and Peak Loads



The midsummer window load for this house does not exceed the window load excursion limit.
This house has adequate midsummer window diversity.

EnergyGauge® System Sizing for Florida residences only

PREPARED BY: _____

DATE: _____



PRODUCT APPROVAL SPECIFICATION SHEET

Location: Lot 91 Preserve@Lawellake **Project Name:** Jeffrey & Joan Charles

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and the product approval number(s) on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit on or after April 1, 2004. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. More information about statewide product approval can be obtained at www.floridabuilding.org

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
A. EXTERIOR DOORS			
1. Swinging	Mayfair	Entry Door	FL 1311
2. Sliding			
3. Sectional			
4. Roll up	General American	Garage Door	FL 2868
5. Automatic			
6. Other			
B. WINDOWS			
1. Single hung	Danvid	Single Hung Windows	FL 1369
2. Horizontal Slider			
3. Casement			
4. Double Hung			
5. Fixed			
6. Awning			
7. Pass-through			
8. Projected			
9. Mullion			
10. Wind Breaker			
11. Dual Action			
12. Other			
C. PANEL WALL			
1. Siding	James Hardie	Hardiboard Siding	FL 889-R1
2. Soffits			
3. EIFS			
4. Storefronts			
5. Curtain walls			
6. Wall louver			
7. Glass block			
8. Membrane			
9. Greenhouse			
10. Other			
D. ROOFING PRODUCTS			
1. Asphalt Shingles	Tamko	30-year Shingles (asphalt)	FL 673
2. Underlayments			
3. Roofing Fasteners			
4. Non-structural Metal Rf			
5. Built-Up Roofing			
6. Modified Bitumen			
7. Single Ply Roofing Sys			
8. Roofing Tiles			
9. Roofing Insulation			
10. Waterproofing			
11. Wood shingles /shakes			
12. Roofing Slate			

Category/Subcategory (cont.)	Manufacturer	Product Description	Approval Number(s)
13. Liquid Applied Roof Sys			
14. Cements-Adhesives - Coatings			
15. Roof Tile Adhesive			
16. Spray Applied Polyurethane Roof			
17. Other			
E. SHUTTERS			
1. Accordion			
2. Bahama			
3. Storm Panels			
4. Colonial			
5. Roll-up			
6. Equipment			
7. Others			
F. SKYLIGHTS			
1. Skylight			
2. Other			
G. STRUCTURAL COMPONENTS			
1. Wood connector/anchor			
2. Truss plates			
3. Engineered lumber			
4. Railing			
5. Coolers-freezers			
6. Concrete Admixtures			
7. Material			
8. Insulation Forms			
9. Plastics			
10. Deck-Roof			
11. Wall			
12. Sheds			
13. Other			
H. NEW EXTERIOR ENVELOPE PRODUCTS			
1.			
2.			

The products listed below did not demonstrate product approval at plan review. I understand that at the time of inspection of these products, the following information must be available to the inspector on the jobsite; 1) copy of the product approval, 2) the performance characteristics which the product was tested and certified to comply with, 3) copy of the applicable manufacturers installation requirements.

I understand these products may have to be removed if approval cannot be demonstrated during inspection

Contractor or Contractor's Authorized Agent Signature

Location

Print Name

Date

Permit # (FOR STAFF USE ONLY)

SIMQUE

CONSTRUCTION

P.O. Box 2962
LAKE CITY, FLORIDA 32056

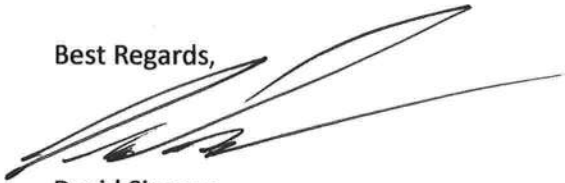
DAVID J. SIMQUE
CGC1516165

(386) 755-7787 PHONE
(386) 755-1188 FAX

Dear CCB/ to whom it may concern:

I am authorizing Aaron Simque to pick up permits and order inspections under my Lic.

Best Regards,

A handwritten signature in black ink, appearing to read 'David Simque', with a long, sweeping horizontal line extending to the right.

David Simque

Attn: Webbie

**Columbia County Building Department
Culvert Waiver**

**Culvert Waiver No.
000001759**

DATE: 09/14/2009 BUILDING PERMIT NO. 28080

APPLICANT AARON SIMQUE PHONE 867-0692

ADDRESS P.O. BOX 2962 LAKE CITY FL 32056

OWNER JEFFREY & JOAN CHARLES PHONE 850 995-1508

ADDRESS 259 SW SILVER PALM DRIVE LAKE CITY FL 32024

CONTRACTOR DAVID SIMQUE PHONE 755-7787

LOCATION OF PROPERTY 90W, TL ON 252B, TR ROSEMARY DRIVE, LOT ON RIGHT CORNER
OF ROSEMARY AND SILVER PALM DRIVE

SUBDIVISION/LOT/BLOCK/PHASE/UNIT PRE.@LAUREL LAKES 91

PARCEL ID # 03-4S-16-02731-091

I HEREBY CERTIFY THAT I UNDERSTAND AND WILL FULLY COMPLY WITH THE DECISION OF THE COLUMBIA COUNTY PUBLIC WORKS DEPARTMENT IN CONNECTION WITH THE HEREIN PROPOSED APPLICATION.

SIGNATURE: [Signature]

A SEPARATE CHECK IS REQUIRED
MAKE CHECKS PAYABLE TO BCC

Amount Paid 50.00

PUBLIC WORKS DEPARTMENT USE ONLY

I HEREBY CERTIFY THAT I HAVE EXAMINED THIS APPLICATION AND DETERMINED THAT THE
CULVERT WAIVER IS:

APPROVED NOT APPROVED - NEEDS A CULVERT PERMIT
COMMENTS: DOES NOT NEED CULVERT

SIGNED: James Thomas DATE: 9-22-09

ANY QUESTIONS PLEASE CONTACT THE PUBLIC WORKS DEPARTMENT AT 386-752-5955.

135 NE Hernando Ave., Suite B-21
Lake City, FL 32055
Phone: 386-758-1008 Fax: 386-758-2160



COLUMBIA COUNTY OFFICE OF CIVIL ENGINEERING

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-16-02731-091

Building permit No. 000028080

Use Classification SFD, UTILITY

Fire: 64.20

Permit Holder DAVID SIMQUE

Waste: 167.50

Owner of Building JEFFREY & JOAN CHARLES

Total: 231.70

Location: 259 SW SILVER PALM DR, LAKE CITY, FL

Date: 12/16/2009



Fanny Ricks

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

September 21, 2009

Aaron Simque Homes
PO Box 2183
Lake City, FL 32056

Subject: Lot 91 Preserve at Laurel Lakes Elevation Letter

Dear Mr. Simque:

We have performed a vertical survey on Lot 91, Preserve at Laurel Lakes, Unit 1 Columbia County, Florida from a benchmark being a 60d nail at the common lot line between Lots 8 & 9 (elevation – 116.12', NGVD 1929) and have determined the following:

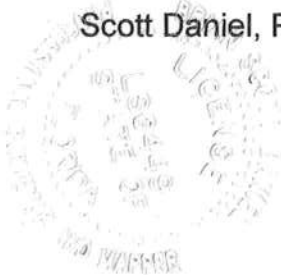
- The Subdivision plat requires the minimum finish floor elevation to be 118.3'.
- The finish floor elevation of the residence is at 118.9', being 0.6 feet above the minimum finish floor requirement.

If you have any questions, please call me.

Sincerely,



Scott Daniel, PSM



BEARING HEIGHT SCHEDULE

	9' 0"
	10' 0"

INDICATES VALUED CLG.

INDICATES TRAY CLG.

NOTES:

- 1) REFER TO HIB 91 RECOMMENDATIONS FOR TRUSS AND RAILROAD AND TEMPORARY BRACING REFER TO ENGINEER DRAWINGS FOR REQUIREMENT BRACING REQUIRED.
- 2) ALL TRUSSES (INCLUDING TRUSSES UNDER VALLEY FRAMING) MUST BE COMPLETELY DECKED OR REFER TO DETAIL V05 FOR ALTERNATE BRACING REQUIREMENTS.
- 3) ALL VALLEYS ARE TO BE CONVENTIONALLY FRAMED BY BUILDER.
- 4) ALL TRUSSES ARE DESIGNED FOR 2 PC RANDOM BRACING UNLESS OTHERWISE NOTED.
- 5) ALL WALLS SHOWN ON PLACEMENT PLAN ARE CONSIDERED TO BE LOAD BEARING UNLESS OTHERWISE NOTED.
- 6) 5x42 TRUSSES MUST BE INSTALLED WITH THE TOP BEING UP.
- 7) ALL ROOF TRUSS HANGERS TO BE SIMPSON H108 UNLESS OTHERWISE NOTED. ALL H108 TRUSS HANGERS TO BE SIMPSON H1042 UNLESS OTHERWISE NOTED.
- 8) BEAM/ADDER/INTEL (HOK) TO BE FURNISHED BY BUILDER.

SHOP DRAWING APPROVAL

THIS LAYOUT IS THE SOLE SOURCE FOR FABRICATION OF TRUSSES AND VIDS ALL TRUSSES RECOMMENDED 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.



Bumell
PHONE: 904-437-3349 FAX: 904-437-3494
Jacksonville

Lake City
PHONE: 386-795-6994 FAX: 386-795-7973
Sanford

PHONE: 407-322-0099 FAX: 407-322-9993

BUILDER:
AARON SIMQUE HOMES

LEGAL ADDRESS:
COLUMBIA CTY., FL

MODEL:	CHARLES RES.	REVISION:	SCALE: NTS
DATE:	07/07/09	DRAWN BY:	JP
			306512

