

06/02/2004

**Columbia County Building Permit****PERMIT****This Permit Expires One Year From the Date of Issue****000021923**

APPLICANT MIKE KLANDERUD/KLANDERS CONSTR PHONE 867.0031  
ADDRESS POB 3515 LAKE CITY FL 32056  
OWNER CHRIS & HEATHER CURRY PHONE 755.9335  
ADDRESS 118 SW SWEETBRIAR LANE LAKE CITY FL 32024  
CONTRACTOR KLANDERUD, STEVEN PHONE 755.3791  
LOCATION OF PROPERTY 47-S TO TO SOUTHWOOD ACRES S/, TURN L, TAKE 2ND LEFT, GO TO  
NEXT LEFT, HOUSE ON LEFT @ CORNER OF SWEETBRIAR LANE  
TYPE DEVELOPMENT SFD ADDITION ESTIMATED COST OF CONSTRUCTION 38650.00  
HEATED FLOOR AREA 480.00 TOTAL AREA 773.00 HEIGHT 15.00 STORIES 1  
FOUNDATION CONC WALLS FRAMED ROOF PITCH 6'12 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 36-4S-16-03382-004 SUBDIVISION SOUTHWOOD ACRES  
LOT 4 BLOCK \_\_\_\_\_ PHASE \_\_\_\_\_ UNIT 4 TOTAL ACRES 1.97

CBC053047  
Culvert Permit No. \_\_\_\_\_ Culvert Waiver \_\_\_\_\_ Contractor's License Number BLK Applicant/Owner/Contractor JDK  
EXISTING \_\_\_\_\_ LU & Zoning checked by \_\_\_\_\_ Approved for Issuance N  
Driveway Connection \_\_\_\_\_ Septic Tank Number \_\_\_\_\_ New Resident \_\_\_\_\_

COMMENTS: NOC ON FILE1 FOOT ABOVE ROAD.Check # or Cash 1265**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 \_\_\_\_\_ Rough-in plumbing above slab and below wood floor \_\_\_\_\_  
date/app. by \_\_\_\_\_ date/app. by \_\_\_\_\_  
Electrical rough-in \_\_\_\_\_ Heat & Air Duct \_\_\_\_\_ Peri. beam (Lintel) \_\_\_\_\_  
date/app. by \_\_\_\_\_ date/app. by \_\_\_\_\_ date/app. by \_\_\_\_\_  
Permanent power \_\_\_\_\_ C.O. Final \_\_\_\_\_ Culvert \_\_\_\_\_  
date/app. by \_\_\_\_\_ date/app. by \_\_\_\_\_ date/app. by \_\_\_\_\_  
M/H tie downs, blocking, electricity and plumbing \_\_\_\_\_ Pool \_\_\_\_\_  
date/app. by \_\_\_\_\_ date/app. by \_\_\_\_\_  
Reconnection \_\_\_\_\_ Pump pole \_\_\_\_\_ Utility Pole \_\_\_\_\_  
date/app. by \_\_\_\_\_ date/app. by \_\_\_\_\_ date/app. by \_\_\_\_\_  
M/H Pole \_\_\_\_\_ Travel Trailer \_\_\_\_\_ Re-roof \_\_\_\_\_  
date/app. by \_\_\_\_\_ date/app. by \_\_\_\_\_ date/app. by \_\_\_\_\_

BUILDING PERMIT FEE \$ 195.00 CERTIFICATION FEE \$ 3.87 SURCHARGE FEE \$ 3.87MISC. FEES \$ .00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ \_\_\_\_\_ WASTE FEE \$ \_\_\_\_\_FLOOD ZONE DEVELOPMENT FEE \$ \_\_\_\_\_ CULVERT FEE \$ \_\_\_\_\_ **TOTAL FEE** 252.74INSPECTORS OFFICE COACLERKS OFFICE CA

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 INCONVENIENCE, 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.



**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 HEREIN.
5. IF THEY EXIST, NO UNDERGROUND ENCROACHMENTS AND/OR UTILITIES WERE LOCATED FOR THIS SURVEY EXCEPT AS SHOWN HEREIN.
6. THIS SURVEY WAS COMPLETED WITHOUT THE BENEFIT OF A TITLE COMMITMENT OR A TITLE POLICY.

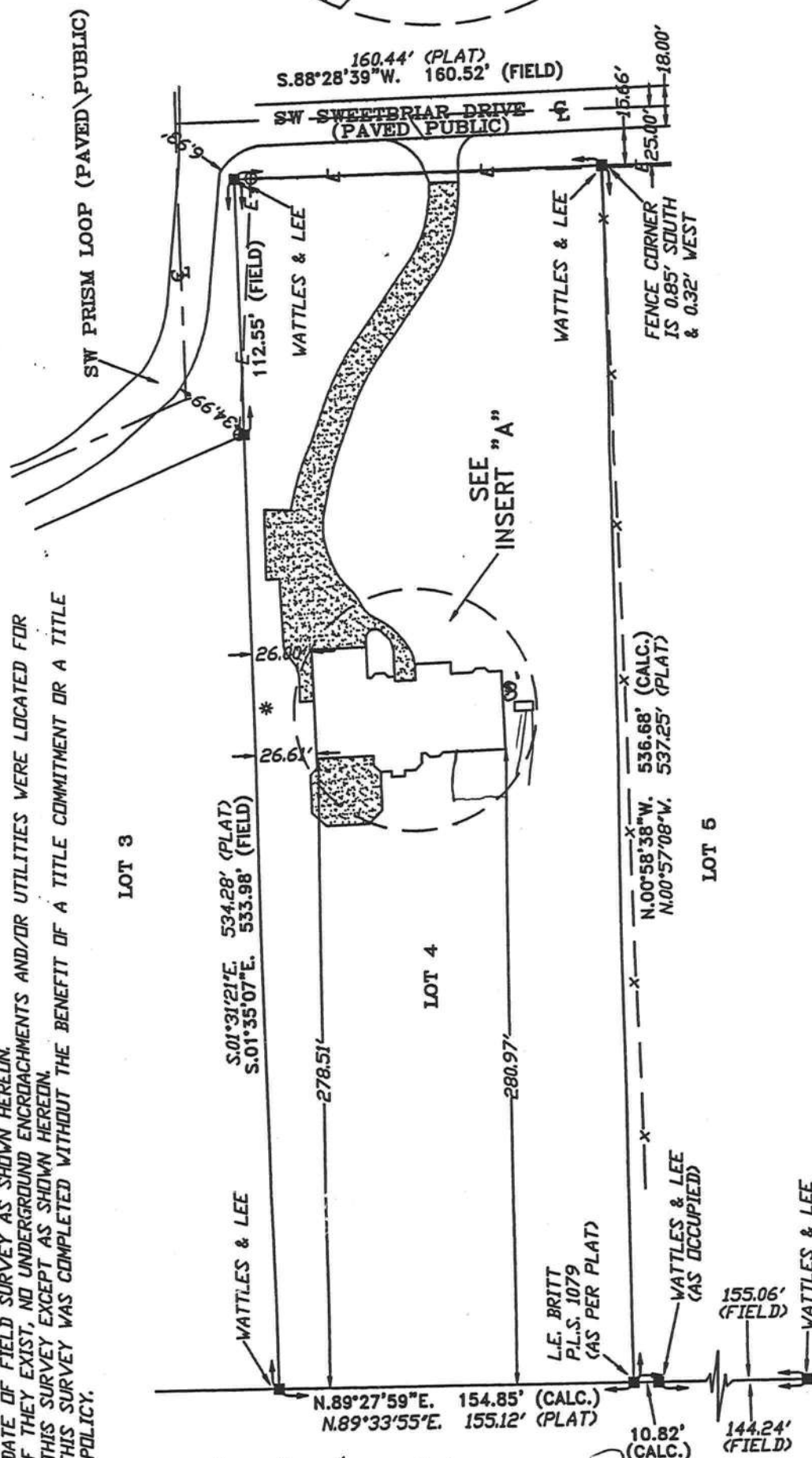
Submitted by *Mike Blackwood*

Date: *5-20-04*

Septic # *04-0525E-Z*

SCALE: 1" = 60'

- 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
  - ELECTRIC LINES
  - WIRE FENCE
  - CHAIN LINK FENCE
  - WOODEN FENCE



*Approved for*

CLHD  
5-20-04

**CERTIFIED TO:**

CHRISTOPHER J. & HEATHER R. CURRY  
FIRST FEDERAL SAVINGS BANK OF FLORIDA  
SALTER, FEIBER, YENSER, MURPHY & HUTSON, P.A.  
ATTORNEYS' TITLE INSURANCE FUND, INC.

FIELD BOOK: 268 PAGE(S): 15

**SURVEYOR'S CERTIFICATION**

I HEREBY CERTIFY THAT THIS SURVEY WAS MADE UNDER MY RESPONSIBLE CHARGE AND MEETS THE MODERN TECHNICAL STANDARDS AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 6107-6, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 470.05, FLORIDA STATUTES.

FIELD SURVEY DATE: 05/12/04  
DRAWING DATE: 05/12/04

NOTED 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-14902

CB C053047



**KLANDERS**  
Construction

**COMMERCIAL - RESIDENTIAL**

June 29, 2004

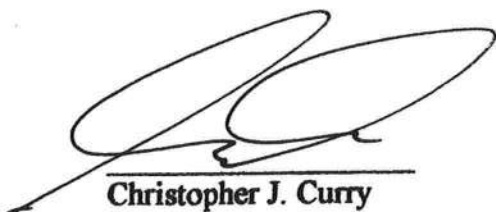
First Federal Savings Bank  
C/O Robb Burns  
Lake City, FL 32055

Columbia County Building Department  
W. Duval Street  
Lake City, FL 32055

To Whom It May Concern:

This notice is to terminate all business with Christopher J. Curry and his remodel project at 118 SW Sweetbriar Lane, Lake City FL 32024. Klanders Construction CB# C053047 hereby releases also the permit #00021923 that was pulled with the Columbia County Builder Department, and the Construction Proposal- Small Project dated 5-12-2004.

Klanders Construction CB# C053047 is hereby released from all liability on the project and releases to Christopher J. Curry all plans, permits, and anything else necessary for him to obtain the permit in his own name.



Christopher J. Curry



Steve Klanderud



BEVERLY J. SWARTZ  
MY COMMISSION # DD 268292  
EXPIRES: November 17, 2007  
Bonded Thru Budget Notary Services

*Beverly J. Swartz*

6-29-04

Steve Klanderud  
E-mail: klandersconst@msn.com  
P.O. Box 2616 · Lake City, Florida 32056  
(386) 755-5791 · Fax 755-9902 · Mobile 867-0029



# Columbia County Building Permit Application

For Office Use Only Application # 0405-82 Date Received 5/27/04 By JW Permit # 21923  
 Application Approved by - Zoning Official BK Date 6/2/04 Plans Examiner JPK Date 6/1/04  
 Flood Zone XFP Development Permit N/A Zoning A-3 Land Use Plan Map Category A-3  
 Comments \*NOE NEEDED, FIVE STAR CODE

Applicants Name Klander Const Mike Klander Phone 817-0031  
 Address P.O. Box 1473  
 Owners Name Crisa Curry Phone 755-9335  
 911 Address 118 S.W. Sweet Briar Lane  
 Contractors Name Steve Klander Phone 755-3791  
 Address P.O. Box 3515 Lake City  
 Fee Simple Owner Name & Address \_\_\_\_\_  
 Bonding Co. Name & Address \_\_\_\_\_  
 Architect/Engineer Name & Address Mark Dineen Midtown B  
 Mortgage Lenders Name & Address First Federal 4307 US Hwy 90 West Lakeland  
 Property ID Number Lot 4 36-45-16-03382-004 Estimated Cost of Construction 50,000  
 Subdivision Name Southwood Acres Lot 4 Block 4 Unit 4 Phase 2  
 Driving Directions Hwy 47 south to southwood acres on left follow take second left Go to next left House on left on corner of Sweet Briar  
 Type of Construction Addition Number of Existing Dwellings on Property 1  
 Total Acreage 2.5 Lot Size 532 sq ft Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Dri  
 Actual Distance of Structure from Property Lines - Front 200 Side 50 Side 26 Rear 249  
 Total Building Height 12 ft Number of Stories 1 Heated Floor Area 463 Roof Pitch 6

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 COMMENCEMENT 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.

Klander Const  
 Owner Builder or Agent (Including Contractor)

STATE OF FLORIDA  
 COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me  
 this 27th day of May 2004.  
 Personally known \_\_\_\_\_ or Produced Identification \_\_\_\_\_

CNNIS 352.378.5400

BILLIE S. WALLER  
 NOTARY PUBLIC, STATE OF FLORIDA  
 MY COMM. EXPIRES DEC. 21, 2007  
 COMM. NO. DD 256650

Mike Klander  
 Contractor Signature  
 Contractors License Number CB CUS3047  
 Contractors Card Number \_\_\_\_\_

NOTARY STAMP/SEAL

Billie S. Waller  
 Notary Signature

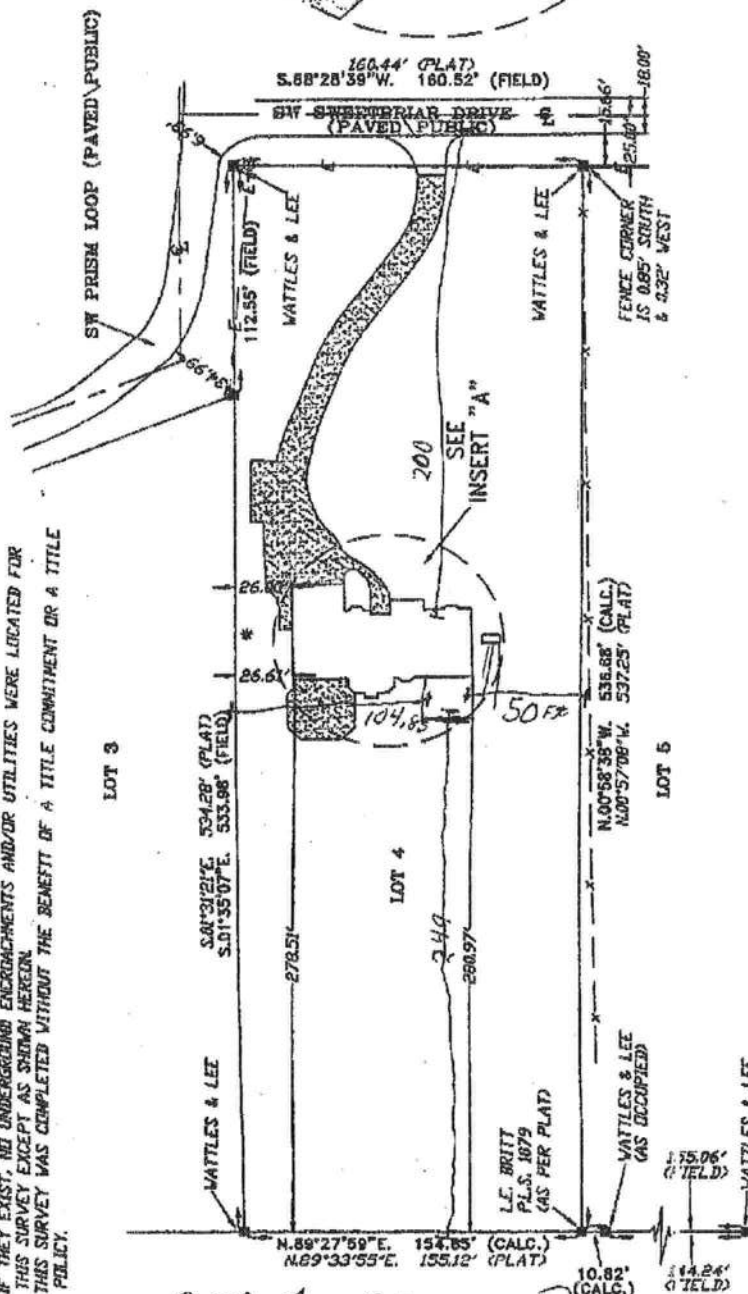
OSILEN S. BOY ENRICH

Qty: 5-20-04

Section # 04-0595E27

SCALE: 1" = 60'

1. SURVEYOR'S NOTES:
  - 1. BOUNDARY BASED ON NONUMENTATION 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 "A" AND IS DETERMINED TO BE OUTSIDE THE 500 YEAR FLOODPLAIN AS PER FLOOD RATE MAP, DATED 6 JANUARY, 1988 COMMUNITY PANEL NUMBER 120070 0175 2. HOWEVER, THE FLOOD INSURANCE RATE MAPS ARE SUBJECT TO CHANGE. THE IMPROVEMENTS, IF ANY, INDICATED ON THIS SURVEY DRAWING ARE AS LOCATED ON DATE OF FIELD SURVEY AS SHOWN HEREIN.
  - 5. IF THEY EXIST, NO UNDERGROUND ENCROACHMENTS AND/OR UTILITIES WERE LOCATED FOR THIS SURVEY EXCEPT AS SHOWN HEREIN.
  - 6. THIS SURVEY WAS COMPLETED WITHOUT THE BENEFIT OF A TITLE COMMITMENT OR A TITLE POLICY.



approx 2000 5/21

 $CCl_4$ 

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
—+—	ELECTRIC LINES
—*—	WIRE FENCE
—x—	CHAIN LINK FENCE
—o—	WOODEN FENCE

INSEK "A"  
SCALE: 1" = 30'

CERTIFIED TO:  
CHRISTOPHER J. & HEATHER R. CURRY  
FIRST FEDERAL SAVINGS BANK OF FLORIDA  
SALTER, FEIBER, YENSER, MURPHY & HUTTON, P.A.  
ATTORNEYS' TITLE INSURANCE FUND, INC.

**REINFORCED CONCRETE**

[illegible]

**BRITT**  
**BRITT SURVEYING**  
LAND SURVEYORS AND MAPPERS  
850 WEST ROYAL STREET LAKE CITY, FLORIDA 32009  
(407) 522-7263 FAX (407) 522-7274

CAM112M01 S .CamaUSA Appraisal System  
 6/01/2004 15:49 Legal Description Maintenance  
 Year T Property Sel  
 2004 R 36-4S-16-03382-004

Columbia		Count
20685	Land	001
	AG	000
134106	Bldg	001
3620	Xfea	002
158411	TOTAL	B

HX CURRY CHRISTOPHER J &

1	LOT 4, SOUTHWOOD ACRES, S/D	UNIT 4, ORB 338-494,, 653-639,,	2
3	WD 1016-163		4
5			6
7			8
9			10
11			12
13			14
15			16
17			18
19			20
21			22
23			24
25			26
27			28

Mnt 5/26/2004 CHUCK

F1=Task F3=Exit F4=Prompt F10=GoTo PGUP/PGDN F24=MoreKeys



10.50  
3.00  
13.50

RETURN TO:  
SFY&M

THIS INSTRUMENT WAS PREPARED BY:

David E. Menet, Esquire  
Salter, Feiber, Yenser,  
Murphy & Hutson, P.A.  
P. O. Box 357399  
Gainesville, FL 32635-7399

Inst:2004011725 Date:05/20/2004 Time:13:14  
ZMK DC, P. DeWitt Cason, Columbia County B:1015 P:180

NOTICE OF COMMENCEMENT

STATE OF FLORIDA )  
COUNTY OF ALACHUA ) ss:

THE UNDERSIGNED, hereby gives notice that improvements will be made to certain real property, and in accordance with Chapter 713, Florida Statutes, the following information is provided in this Notice of Commencement:

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

Lot Four (4), SOUTHWOOD ACRES UNIT 4, a subdivision according to the plat thereof recorded in Plat Book 4, Page 7 of the Public Records of Columbia County, Florida.  
Street address: 118 Sweetbriar Lane, Lake City, FL 32024

2. General description of improvements: addition to single family residence and pool

3. Owner information: Christopher J. Curry and Heather R. Curry  
a. Name and Address: P. O. Box 2287  
Lake City, FL 32056

b. Interest in Property: FEE SIMPLE

c. Name and Address of fee simple title holder: N/A.

4. Contractor (Name and Address):  
Klanders Construction (addition)  
P. O. Box 3515  
Lake City, FL 32056  
Phone number:


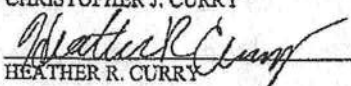
5. Surety  
a. Name and Address and phone number:  
b. Amount of Bond: \$ NA

6. Lender (Name and Address): First Federal Savings Bank of Florida  
4705 West U.S. Highway 90  
P. O. Box 2029  
Lake City, FL 32056  
Phone number:

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): NONE  
Phone number:

8. In addition to himself, Owner designates PAULA HACKER of FIRST FEDERAL SAVINGS BANK OF FLORIDA, 4705 West U.S. Highway 90, P. O. Box 2029, Lake City, FL 32056 to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes. Phone number of person or entity designated by owner:

9. Expiration date of Notice of Commencement (the expiration date is one (1) year from the date of recording unless a different date is specified):

  
CHRISTOPHER J. CURRY  
  
HEATHER R. CURRY

The foregoing instrument was acknowledged before me this 17<sup>th</sup> day of May, 2004 by CHRISTOPHER J. CURRY and HEATHER R. CURRY. Such person(s):

☐ is/are personally known to me.

☒ produced a current Florida Driver's license as identification.

☐ produced \_\_\_\_\_ as identification.

  
Print Name: \_\_\_\_\_

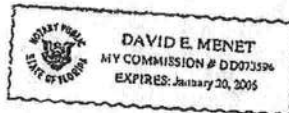
Notary Public, State of Florida

My Commission Expires: \_\_\_\_\_

Serial Number, if any: \_\_\_\_\_

(SEAL)

F:\MJM\Clients\curry NOC.wpd





# FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

## Florida Department of Community Affairs Residential Whole Building Performance Method A

Project Name: **curry Residence**  
 Address: **Lot: , Sub: Southwood Estat, Plat:**  
 City, State: **Lake City, FL**  
 Owner: **Chris Curry**  
 Climate Zone: **North**

Builder: **KLANDER**  
 Permitting Office: **LAUMBA**  
 Permit Number: **21923**  
 Jurisdiction Number: **221000**

- |  |                                |     |  |                   |     |
|--|--------------------------------|-----|--|-------------------|-----|
| 1. New construction or existing              | New                            | ___ | 12. Cooling systems                    |                   |     |
| 2. Single family or multi-family             | Single family                  | ___ | a. Central Unit                        | Cap: 48.0 kBtu/hr | ___ |
| 3. Number of units, if multi-family          | 1                              | ___ |  | SEER: 10.00       | ___ |
| 4. Number of Bedrooms                        | 4                              | ___ | b. N/A                                 |                   | ___ |
| 5. Is this a worst case?                     | No                             | ___ | c. N/A                                 |                   | ___ |
| 6. Conditioned floor area (ft <sup>2</sup> ) | 3190 ft <sup>2</sup>           | ___ | 13. Heating systems                    |                   |     |
| 7. Glass area & type                         |                                | ___ | a. Electric Heat Pump                  | Cap: 48.0 kBtu/hr | ___ |
| a. Clear - single pane                       | 0.0 ft <sup>2</sup>            | ___ |  | HSPF: 6.80        | ___ |
| b. Clear - double pane                       | 328.6 ft <sup>2</sup>          | ___ | b. N/A                                 |                   | ___ |
| c. Tint/other SHGC - single pane             | 0.0 ft <sup>2</sup>            | ___ | c. N/A                                 |                   | ___ |
| d. Tint/other SHGC - double pane             | 0.0 ft <sup>2</sup>            | ___ | 14. Hot water systems                  |                   |     |
| 8. Floor types                               |                                | ___ | a. Electric Resistance                 | Cap: 50.0 gallons | ___ |
| a. Slab-On-Grade Edge Insulation             | R=0.0, 306.0(p) ft             | ___ |  | EF: 0.88          | ___ |
| b. N/A                                       |                                | ___ | b. Electric Resistance                 | Cap: 50.0 gallons | ___ |
| c. N/A                                       |                                | ___ |  | EF: 0.88          | ___ |
| 9. Wall types                                |                                | ___ | c. Conservation credits                |                   | ___ |
| a. Frame, Wood, Adjacent                     | R=13.0, 264.0 ft <sup>2</sup>  | ___ | (HR-Heat recovery, Solar               |                   |     |
| b. Frame, Wood, Exterior                     | R=13.0, 2490.0 ft <sup>2</sup> | ___ | DHP-Dedicated heat pump)               |                   |     |
| c. N/A                                       |                                | ___ | 15. HVAC credits                       |                   | ___ |
| d. N/A                                       |                                | ___ | (CF-Ceiling fan, CV-Cross ventilation, |                   |     |
| e. N/A                                       |                                | ___ | HF-Whole house fan,                    |                   |     |
| 10. Ceiling types                            |                                | ___ | PT-Programmable Thermostat,            |                   |     |
| a. Under Attic                               | R=30.0, 3190.0 ft <sup>2</sup> | ___ | MZ-C-Multizone cooling,                |                   |     |
| b. N/A                                       |                                | ___ | MZ-H-Multizone heating)                |                   |     |
| c. N/A                                       |                                | ___ |  |                   |     |
| 11. Ducts                                    |                                | ___ |  |                   |     |
| a. Sup: Unc. Ret: Unc. AH: Interior          | Sup. R=6.0, 165.0 ft           | ___ |  |                   |     |
| b. N/A                                       |                                | ___ |  |                   |     |

Glass/Floor Area: 0.10

Total as-built points: 40755

Total base points: 46588

# 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:** 6-02-09

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

**OWNER/AGENT:** [Signature]

**DATE:** 6/2/09

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:** \_\_\_\_\_



# Code Compliance Checklist

## Residential Whole Building Performance Method A - Details

ADDRESS: Lot: , Sub: Southwood Estat, 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.	



# WATER HEATING & CODE COMPLIANCE STATUS

## Residential Whole Building Performance Method A - Details

ADDRESS: Lot: , Sub: Southwood Estat, Plat: , Lake City, FL,

PERMIT #:

BASE				AS-BUILT					
WATER HEATING				Tank Volume	EF	Number of Bedrooms	X Tank X Ratio	Multiplier X Credit	= Total Multiplier
Number of Bedrooms	X	Multiplier	= Total						
4		2746.00	10984.0	50.0	0.88	4	0.50	2746.00	1.00
				50.0	0.88	4	0.50	2746.00	1.00
				As-Built Total:					10984.0

CODE COMPLIANCE STATUS									
BASE					AS-BUILT				
Cooling Points	+	Heating Points	+	Hot Water Points	=	Total Points	Cooling Points	+	Heating Points
18644		16960		10984		46588	14932		14839
									10984
									40755

PASS



# WINTER CALCULATIONS

## Residential Whole Building Performance Method A - Details

ADDRESS: Lot: , Sub: Southwood Estat, Plat: , Lake City, FL,

PERMIT #:

BASE				AS-BUILT						
INFILTRATION Area X BWPM = Points				Area X WPM = Points						
3190.0 -0.59 -1882.1				3190.0 -0.59 -1882.1						
<b>Winter Base Points: 27032.9</b>				<b>Winter As-Built Points: 25461.1</b>						
Total Winter X System = Heating Points Multiplier Points				Total X Cap X Duct X System X Credit = Heating Component Ratio Multiplier Multiplier Multiplier Points (DM x DSM x AHU)						
<b>27032.9</b>	<b>0.6274</b>	<b>16960.4</b>		25461.1 <b>25461.1</b>	1.000 <b>1.00</b>	(1.069 x 1.169 x 0.93) <b>1.162</b>	0.501 <b>0.501</b>	1.000 <b>1.000</b>	14838.7 <b>14838.7</b>	



# WINTER CALCULATIONS

## Residential Whole Building Performance Method A - Details

ADDRESS: Lot: , Sub: Southwood Estat, Plat: , Lake City, FL,

PERMIT #:

BASE				AS-BUILT							
<b>GLASS TYPES</b>											
.18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X WPM X WOF = Points				
.18	3190.0	12.74	7315.3	Double, Clear	N	2.0	7.0	43.3	14.30	1.00	621.9
				Double, Clear	N	2.0	7.0	46.7	14.30	1.00	669.7
				Double, Clear	N	2.0	6.0	34.7	14.30	1.00	498.2
				Double, Clear	N	2.0	6.0	32.0	14.30	1.00	459.9
				Double, Clear	E	2.0	6.0	25.0	9.09	1.06	241.0
				Double, Clear	E	2.0	6.0	6.2	9.09	1.06	60.0
				Double, Clear	S	2.0	6.0	28.4	4.03	1.26	144.3
				Double, Clear	W	2.0	6.0	6.2	10.77	1.04	69.8
				Double, Clear	SE	2.0	8.0	16.3	5.33	1.10	95.5
				Double, Clear	S	2.0	8.0	32.7	4.03	1.12	147.2
				Double, Clear	SW	2.0	8.0	16.3	7.17	1.06	124.2
				Double, Clear	S	2.0	4.0	10.5	4.03	1.64	69.4
				Double, Clear	W	2.0	6.0	30.2	10.77	1.04	339.3
				<b>As-Built Total:</b>				<b>328.6</b>	<b>3540.3</b>		
<b>WALL TYPES</b> Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Adjacent	264.0	3.60	950.4	Frame, Wood, Adjacent	13.0		264.0	3.30		871.2	
Exterior	2490.0	3.70	9213.0	Frame, Wood, Exterior	13.0		2490.0	3.40		8466.0	
<b>Base Total:</b>				<b>As-Built Total:</b>				<b>2754.0</b>	<b>9337.2</b>		
<b>DOOR TYPES</b> Area X BWPM = Points				Type			Area X WPM = Points				
Adjacent	20.0	11.50	230.0	Exterior Wood			20.0	12.30		246.0	
Exterior	158.0	12.30	1943.4	Exterior Wood			40.0	12.30		492.0	
				Adjacent Wood			20.0	11.50		230.0	
				Exterior Wood			80.0	12.30		984.0	
				Exterior Wood			18.0	12.30		221.4	
<b>Base Total:</b>				<b>As-Built Total:</b>				<b>178.0</b>	<b>2173.4</b>		
<b>CEILING TYPES</b> Area X BWPM = Points				Type	R-Value		Area X WPM X WCM = Points				
Under Attic	3190.0	2.05	6539.5	Under Attic	30.0		3190.0	2.05 X 1.00		6539.5	
<b>Base Total:</b>				<b>As-Built Total:</b>				<b>3190.0</b>	<b>6539.5</b>		
<b>FLOOR TYPES</b> Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Slab	306.0(p)	8.9	2723.4	Slab-On-Grade Edge Insulation	0.0		306.0(p)	18.80		5752.8	
Raised	0.0	0.00	0.0								
<b>Base Total:</b>				<b>As-Built Total:</b>				<b>306.0</b>	<b>5752.8</b>		

**SUMMER CALCULATIONS****Residential Whole Building Performance Method A - Details**

ADDRESS: Lot: , Sub: Southwood Estat, Plat: , Lake City, FL,

PERMIT #:

BASE				AS-BUILT						
INFILTRATION Area X BSPM = Points				Area X SPM = Points						
3190.0 10.21 32569.9				3190.0 10.21 32569.9						
<b>Summer Base Points: 43703.2</b>				<b>Summer As-Built Points: 38455.9</b>						
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
43703.2		0.4266	18643.8	38455.9	1.000	1.000	(1.090 x 1.147 x 0.91)	0.341	1.000	14932.4
				<b>38455.9</b>	<b>1.00</b>	<b>1.138</b>	<b>0.341</b>	<b>1.000</b>		<b>14932.4</b>



# SUMMER CALCULATIONS

## Residential Whole Building Performance Method A - Details

ADDRESS: Lot: , Sub: Southwood Estat, Plat: , Lake City, FL,

PERMIT #:

BASE				AS-BUILT							
<b>GLASS TYPES</b>											
.18 X Conditioned X BSPM = Points Floor Area				Type/SC	Overhang Omt Len Hgt		Area X SPM X SOF = Points				
.18	3190.0	20.04	11507.0	Double, Clear	N	2.0	7.0	43.3	19.22	0.92	768.0
				Double, Clear	N	2.0	7.0	46.7	19.22	0.92	827.1
				Double, Clear	N	2.0	6.0	34.7	19.22	0.90	599.7
				Double, Clear	N	2.0	6.0	32.0	19.22	0.90	553.6
				Double, Clear	E	2.0	6.0	25.0	40.22	0.85	852.8
				Double, Clear	E	2.0	6.0	6.2	40.22	0.85	212.2
				Double, Clear	S	2.0	6.0	28.4	34.50	0.78	761.5
				Double, Clear	W	2.0	6.0	6.2	36.99	0.85	195.5
				Double, Clear	SE	2.0	8.0	16.3	40.86	0.88	589.6
				Double, Clear	S	2.0	8.0	32.7	34.50	0.86	964.9
				Double, Clear	SW	2.0	8.0	16.3	38.46	0.89	556.1
				Double, Clear	S	2.0	4.0	10.5	34.50	0.66	239.0
				Double, Clear	W	2.0	6.0	30.2	36.99	0.85	949.5
				<b>As-Built Total:</b>				<b>328.6</b>	<b>8069.3</b>		
<b>WALL TYPES</b> Area X BSPM = Points				Type	R-Value		Area X SPM = Points				
Adjacent	264.0	0.70	184.8	Frame, Wood, Adjacent	13.0		264.0	0.60		158.4	
Exterior	2490.0	1.70	4233.0	Frame, Wood, Exterior	13.0		2490.0	1.50		3735.0	
<b>Base Total:</b>				<b>2754.0</b>		<b>4417.8</b>					
				<b>As-Built Total:</b>		<b>2754.0</b>		<b>3893.4</b>			
<b>DOOR TYPES</b> Area X BSPM = Points				Type	Area X SPM = Points						
Adjacent	20.0	2.40	48.0	Exterior Wood			20.0	6.10		122.0	
Exterior	158.0	6.10	963.8	Exterior Wood			40.0	6.10		244.0	
				Adjacent Wood			20.0	2.40		48.0	
				Exterior Wood			80.0	6.10		488.0	
				Exterior Wood			18.0	6.10		109.8	
<b>Base Total:</b>				<b>178.0</b>		<b>1011.8</b>					
				<b>As-Built Total:</b>		<b>178.0</b>		<b>1011.8</b>			
<b>CEILING TYPES</b> Area X BSPM = Points				Type	R-Value		Area X SPM X SCM = Points				
Under Attic	3190.0	1.73	5518.7	Under Attic	30.0		3190.0	1.73 X 1.00		5518.7	
<b>Base Total:</b>				<b>3190.0</b>		<b>5518.7</b>					
				<b>As-Built Total:</b>		<b>3190.0</b>		<b>5518.7</b>			
<b>FLOOR TYPES</b> Area X BSPM = Points				Type	R-Value		Area X SPM = Points				
Slab	306.0(p)	-37.0	-11322.0	Slab-On-Grade Edge Insulation	0.0		306.0(p)	-41.20		-12607.2	
Raised	0.0	0.00	0.0								
<b>Base Total:</b>				<b>-11322.0</b>		<b>306.0</b>		<b>-12607.2</b>			
				<b>As-Built Total:</b>		<b>306.0</b>		<b>-12607.2</b>			

# ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

**ESTIMATED ENERGY PERFORMANCE SCORE\* = 84.5**

**The higher the score, the more efficient the home.**

Chris Curry, Lot: , Sub: Southwood Estat, 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: 48.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 10.00
4. Number of Bedrooms	4	b. N/A	
5. Is this a worst case?	No	c. N/A	
6. Conditioned floor area (ft <sup>2</sup> )	3190 ft <sup>2</sup>		
7. Glass area & type		13. Heating systems	
a. Clear - single pane	0.0 ft <sup>2</sup>	a. Electric Heat Pump	Cap: 48.0 kBtu/hr
b. Clear - double pane	328.6 ft <sup>2</sup>		HSPF: 6.80
c. Tint/other SHGC - single pane	0.0 ft <sup>2</sup>	b. N/A	
d. Tint/other SHGC - double pane	0.0 ft <sup>2</sup>	c. N/A	
8. Floor types		14. Hot water systems	
a. Slab-On-Grade Edge Insulation	R=0.0, 306.0(p) ft	a. Electric Resistance	Cap: 50.0 gallons
b. N/A			EF: 0.88
c. N/A		b. Electric Resistance	Cap: 50.0 gallons
9. Wall types			EF: 0.88
a. Frame, Wood, Adjacent	R=13.0, 264.0 ft <sup>2</sup>	c. Conservation credits	
b. Frame, Wood, Exterior	R=13.0, 2490.0 ft <sup>2</sup>	(HR-Heat recovery, Solar	
c. N/A		DHP-Dedicated heat pump)	
d. N/A		15. HVAC credits	
e. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
10. Ceiling types		HF-Whole house fan,	
a. Under Attic	R=30.0, 3190.0 ft <sup>2</sup>	PT-Programmable Thermostat,	
b. N/A		RB-Attic radiant barrier,	
c. N/A		MZ-C-Multizone cooling,	
11. Ducts		MZ-H-Multizone heating)	
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 165.0 ft		
b. N/A			

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<sup>TM</sup> 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](http://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

Chris Curry  
Lake City, FL

Project Title:  
curry Residence

Code Only  
Professional Version  
Climate: North

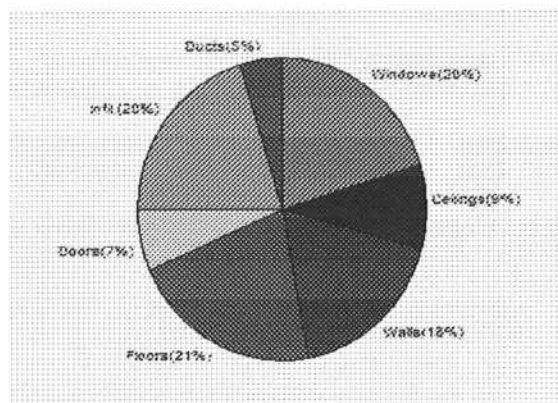
6/2/2004

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
<b>Total heating load calculation</b>	<b>45589 Btuh</b>	<b>Total cooling load calculation</b>	<b>42589 Btuh</b>
Submitted heating capacity	48000 Btuh	Submitted cooling capacity	48000 Btuh
Submitted as % of calculated	105.3 %	Submitted as % of calculated	112.7 %

## WINTER CALCULATIONS

Winter Heating Load (for 3190 sqft)

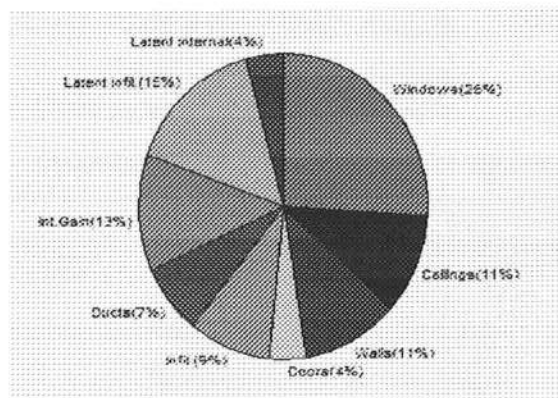
Load component		Load	
Window total	329 sqft	9300	Btuh
Wall total	2754 sqft	8141	Btuh
Door total	178 sqft	3019	Btuh
Ceiling total	3190 sqft	4147	Btuh
Floor total	306 ft	9670	Btuh
Infiltration	213 cfm	9142	Btuh
<b>Subtotal</b>		<b>43418</b>	<b>Btuh</b>
Duct loss		2171	Btuh
<b>TOTAL HEAT LOSS</b>		<b>45589</b>	<b>Btuh</b>



## SUMMER CALCULATIONS

Summer Cooling Load (for 3190 sqft)

Load component		Load	
Window total	329 sqft	11161	Btuh
Wall total	2754 sqft	4607	Btuh
Door total	178 sqft	1776	Btuh
Ceiling total	3190 sqft	4530	Btuh
Floor total		0	Btuh
Infiltration	186 cfm	3692	Btuh
Internal gain		5400	Btuh
<b>Subtotal(sensible)</b>		<b>31166</b>	<b>Btuh</b>
Duct gain		3117	Btuh
<b>Total sensible gain</b>		<b>34283</b>	<b>Btuh</b>
Latent gain(infiltration)		6466	Btuh
Latent gain(internal)		1840	Btuh
<b>Total latent gain</b>		<b>8306</b>	<b>Btuh</b>
<b>TOTAL HEAT GAIN</b>		<b>42589</b>	<b>Btuh</b>



EnergyGauge® System Sizing based on ACCA Manual J.

PREPARED BY:

DATE: 6-2-04



# Manual J Winter Calculations

## Residential Load - Component Details (continued)

Chris Curry  
Lake City, FL

Project Title:  
curry Residence

Code Only  
Professional Version  
Climate: North

6/2/2004

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

Chris Curry

Project Title:  
curry Residence

Code Only  
Professional Version  
Climate: North

Lake City, FL

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

6/2/2004

Window	Panes/SHGC/Frame/U	Orientation	Area X	HTM=	Load
1	2, Clear, Metal, DEF	N	43.3	28.3	1226 Btuh
2	2, Clear, Metal, DEF	N	46.7	28.3	1321 Btuh
3	2, Clear, Metal, DEF	N	34.7	28.3	981 Btuh
4	2, Clear, Metal, DEF	N	32.0	28.3	906 Btuh
5	2, Clear, Metal, DEF	E	25.0	28.3	708 Btuh
6	2, Clear, Metal, DEF	E	6.2	28.3	176 Btuh
7	2, Clear, Metal, DEF	S	28.4	28.3	805 Btuh
8	2, Clear, Metal, DEF	W	6.2	28.3	176 Btuh
9	2, Clear, Metal, DEF	SE	16.3	28.3	462 Btuh
10	2, Clear, Metal, DEF	S	32.7	28.3	924 Btuh
11	2, Clear, Metal, DEF	SW	16.3	28.3	462 Btuh
12	2, Clear, Metal, DEF	S	10.5	28.3	297 Btuh
13	2, Clear, Metal, DEF	W	30.2	28.3	855 Btuh
Window Total			329		9300 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Adjacent	13.0	264	1.6	422 Btuh
2	Frame - Exterior	13.0	2490	3.1	7719 Btuh
Wall Total			2754		8141 Btuh
Doors	Type		Area X	HTM=	Load
1	Wood - Exter		20	17.9	359 Btuh
2	Wood - Exter		40	17.9	718 Btuh
3	Wood - Adjac		20	9.2	184 Btuh
4	Wood - Exter		80	17.9	1435 Btuh
5	Wood - Exter		18	17.9	323 Btuh
Door Total			178		3019 Btuh
Ceilings	Type	R-Value	Area X	HTM=	Load
1	Under Attic	30.0	3190	1.3	4147 Btuh
Ceiling Total			3190		4147 Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab-On-Grade Edge Insul	0	306.0 ft(p)	31.6	9670 Btuh
Floor Total			306		9670 Btuh
Infiltration	Type	ACH X	Building Volume	CFM=	Load
	Natural	0.40	31900(sqft)	213	9142 Btuh
	Mechanical			0	0 Btuh
Infiltration Total				213	9142 Btuh

Totals for Heating	Subtotal	43418 Btuh
	Duct Loss(using duct multiplier of 0.05)	2171 Btuh
	Total Btuh Loss	45589 Btuh

# Manual J Summer Calculations

## Residential Load - Component Details (continued)

Chris Curry  
Lake City, FL

Project Title:  
curry Residence

Code Only  
Professional Version  
Climate: North

6/2/2004

<b>Totals for Cooling</b>	<b>Subtotal</b>	<b>31166 Btuh</b>
	<b>Duct gain(using duct multiplier of 0.10)</b>	<b>3117 Btuh</b>
	<b>Total sensible gain</b>	<b>34283 Btuh</b>
	<b>Latent infiltration gain (for 51 gr. humidity difference)</b>	<b>6466 Btuh</b>
	<b>Latent occupant gain (8 people @ 230 Btuh per person)</b>	<b>1840 Btuh</b>
	<b>Latent other gain</b>	<b>0 Btuh</b>
	<b>TOTAL GAIN</b>	<b>42589 Btuh</b>

Key: Window types (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/Daperies(B) or Roller Shades(R))  
(ExSh - Exterior shading device: none(N) or numerical value)  
(Ornt - compass orientation)



# System Sizing Calculations - Summer

## Residential Load - Component Details

Chris Curry

Project Title:  
curry Residence

Code Only  
Professional Version  
Climate: North

Lake City, FL

Reference City: Gainesville (Defaults)

Summer Temperature Difference: 18.0 F

6/2/2004

Window	Type	Ornt	Overhang		Window Area(sqft)			HTM		Load	
	Panes/SHGC/U/InSh/ExSh		Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	2, Clear, DEF, N, N	N	2	7	43.3	0.0	43.3	22	22	953	Btuh
2	2, Clear, DEF, N, N	N	2	7	46.7	0.0	46.7	22	22	1027	Btuh
3	2, Clear, DEF, N, N	N	2	6	34.7	0.0	34.7	22	22	763	Btuh
4	2, Clear, DEF, N, N	N	2	6	32.0	0.0	32.0	22	22	704	Btuh
5	2, Clear, DEF, N, N	E	2	6	25.0	3.3	21.7	22	72	1635	Btuh
6	2, Clear, DEF, N, N	E	2	6	6.2	1.2	5.1	22	72	390	Btuh
7	2, Clear, DEF, N, N	S	2	6	28.4	28.4	0.0	22	37	626	Btuh
8	2, Clear, DEF, N, N	W	2	6	6.2	1.2	5.1	22	72	390	Btuh
9	2, Clear, DEF, N, N	SE	2	8	16.3	5.5	10.8	22	62	792	Btuh
10	2, Clear, DEF, N, N	S	2	8	32.7	16.3	16.3	22	37	964	Btuh
11	2, Clear, DEF, N, N	SW	2	8	16.3	5.5	10.8	22	62	792	Btuh
12	2, Clear, DEF, N, N	S	2	4	10.5	10.5	0.0	22	37	231	Btuh
13	2, Clear, DEF, N, N	W	2	6	30.2	5.6	24.6	22	72	1895	Btuh
Window Total					329					11161	Btuh
Walls	Type	R-Value		Area			HTM		Load		
1	Frame - Adjacent	13.0		264.0			1.0		275 Btuh		
2	Frame - Exterior	13.0		2490.0			1.7		4333 Btuh		
Wall Total				2754.0					4607 Btuh		
Doors	Type	R-Value		Area			HTM		Load		
1	Wood - Exter			20.0			10.0		200 Btuh		
2	Wood - Exter			40.0			10.0		399 Btuh		
3	Wood - Adjac			20.0			10.0		200 Btuh		
4	Wood - Exter			80.0			10.0		798 Btuh		
5	Wood - Exter			18.0			10.0		180 Btuh		
Door Total				178.0					1776 Btuh		
Ceilings	Type/Color	R-Value		Area			HTM		Load		
1	Under Attic/Dark	30.0		3190.0			1.4		4530 Btuh		
Ceiling Total				3190.0					4530 Btuh		
Floors	Type	R-Value		Size			HTM		Load		
1	Slab-On-Grade Edge Insulation	0.0		306.0 ft(p)			0.0		0 Btuh		
Floor Total				306.0					0 Btuh		
Infiltration	Type	ACH		Volume			CFM=		Load		
	Natural	0.35		31900			186.5		3692 Btuh		
	Mechanical						0		0 Btuh		
Infiltration Total							186		3692 Btuh		

Internal gain		Occupants	Btuh/occupant		Appliance	Load
		8	X	300 +	3000	5400 Btuh