

DATE 09/13/2005

# Columbia County Building Permit

PERMIT

This Permit Expires One Year From the Date of Issue

000023602

APPLICANT LAVONNE COX PHONE 755.7200

ADDRESS 456 SE ERMINE AVE LAKE CITY FL 32055

OWNER EVA L. SHEPPARD PHONE 386.623.9290

ADDRESS 154 NW SPARR LN LAKE CITY FL 32055

CONTRACTOR JAMES R. CO PHONE 755.7200

LOCATION OF PROPERTY 41-N TO SPARR LN, TL AND IT'S THE 2ND LOT ON L @ CORNER OF SPARR & DUSTIN WAY

TYPE DEVELOPMENT SFD/UTILITY ESTIMATED COST OF CONSTRUCTION 52800.00

HEATED FLOOR AREA 1056.00 TOTAL AREA 1136.00 HEIGHT .00 STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 4'12 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. 0 FLOOD ZONE XPS DEVELOPMENT PERMIT NO. \_\_\_\_\_

PARCEL ID 22-2S-16-01721-002 SUBDIVISION SUWANNEE VALLEY ESTATES

LOT 2 BLOCK F PHASE \_\_\_\_\_ UNIT \_\_\_\_\_ TOTAL ACRES 1136.00

00000813 \_\_\_\_\_ RR0066502 Lavonne Cox

Culvert Permit No. \_\_\_\_\_ Culvert Waiver \_\_\_\_\_ Contractor's License Number \_\_\_\_\_ Applicant/Owner/Contractor \_\_\_\_\_

WAIVER 05-0891-N BLK \_\_\_\_\_ N \_\_\_\_\_

Driveway Connection \_\_\_\_\_ Septic Tank Number \_\_\_\_\_ LU & Zoning checked by \_\_\_\_\_ Approved for Issuance \_\_\_\_\_ New Resident \_\_\_\_\_

COMMENTS: PREVENTATIVE TERMITE REPORT

NOC ON FILE. 1 FOOT ABOVE RD.

Check # or Cash 9267

## FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power \_\_\_\_\_ date/app. by \_\_\_\_\_ Foundation \_\_\_\_\_ date/app. by \_\_\_\_\_ Monolithic \_\_\_\_\_ date/app. by \_\_\_\_\_

Under slab rough-in plumbing \_\_\_\_\_ date/app. by \_\_\_\_\_ Slab \_\_\_\_\_ date/app. by \_\_\_\_\_ Sheathing/Nailing \_\_\_\_\_ date/app. by \_\_\_\_\_

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

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

Permanent power \_\_\_\_\_ date/app. by \_\_\_\_\_ C.O. Final \_\_\_\_\_ date/app. by \_\_\_\_\_ Culvert \_\_\_\_\_ date/app. by \_\_\_\_\_

M/H tie downs, blocking, electricity and plumbing \_\_\_\_\_ date/app. by \_\_\_\_\_ Pool \_\_\_\_\_ date/app. by \_\_\_\_\_

Reconnection \_\_\_\_\_ date/app. by \_\_\_\_\_ Pump pole \_\_\_\_\_ date/app. by \_\_\_\_\_ Utility Pole \_\_\_\_\_ date/app. by \_\_\_\_\_

M/H Pole \_\_\_\_\_ date/app. by \_\_\_\_\_ Travel Trailer \_\_\_\_\_ date/app. by \_\_\_\_\_ Re-roof \_\_\_\_\_ date/app. by \_\_\_\_\_

BUILDING PERMIT FEE \$ 265.00 CERTIFICATION FEE \$ 5.68 SURCHARGE FEE \$ 5.68

MISC. FEES \$ .00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ \_\_\_\_\_ WASTE FEE \$ \_\_\_\_\_

FLOOD ZONE DEVELOPMENT FEE \$ \_\_\_\_\_ CULVERT FEE \$ \_\_\_\_\_ TOTAL FEE 326.36

INSPECTORS OFFICE [Signature] CLERKS OFFICE CN

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.



## Columbia County Building Permit Application

Revised 9-23-04

For Office Use Only Application # 0508-113 Date Received 8-30-05 By LH Permit # 81323602  
Application Approved by - Zoning Official BLK Date 13.09.05 Plans Examiner OK JTH Date 9-8-05  
Flood Zone 7p511400 Development Permit N/A Zoning A-3 Land Use Plan Map Category A-3  
Comments \_\_\_\_\_

Applicants Name C&S Construction Phone 386-755-7200  
Address 4516 SE Ermie Ave Lake City, Florida 32025  
Owners Name Eva L. Sheppard Phone 386-623-9290  
911 Address 154 NW Sparr Lane Lake City, Fl. 32053  
Contractors Name James R. Coy Phone 386-755-7200  
Address 4516 SE Ermie Ave. Lake City, Florida 32025  
Fee Simple Owner Name & Address Eva L. Sheppard  
Bonding Co. Name & Address N/A  
Architect/Engineer Name & Address Nick Geisler 1758 NW Broward Rd 755-9021  
Mortgage Lenders Name & Address USOA/RHS JH/P  
Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progressive Energy  
Property ID Number 1721-002 (22-25-16) Estimated Cost of Construction \_\_\_\_\_  
Subdivision Name Suwannee Valley Electric Estates Lot 2 Block F Unit \_\_\_\_\_ Phase \_\_\_\_\_  
Driving Directions Take 41 N to Sparrs Street make a left  
2nd Lot on left at corner of Sparr & Austin Way

Type of Construction New Residential Number of Existing Dwellings on Property 0  
Total Acreage 0.27 Lot Size 119x100 Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive  
Actual Distance of Structure from Property Lines - Front 30' Side 25' Side 51' Rear 46'  
Total Building Height \_\_\_\_\_ Number of Stories 1 Heated Floor Area 1056 Roof Pitch 4/12  
Porch 8 TOTAL 1136

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.

James R. Coy  
Owner Builder or Agent (Including Contractor)

STATE OF FLORIDA  
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me  
this 26th day of August 2005.  
Personally known 1 or Produced Identification \_\_\_\_\_

James R. Coy  
Contractor Signature  
Contractors License Number RR00616502  
Competency Card Number 5163  
NOTARY STAMP/SEAL

BELINDA LAFFOON  
NOTARY PUBLIC - STATE OF FLORIDA  
COMMISSION # DD301751  
EXPIRES 3/26/2008  
Notary Signature

THIS INSTRUMENT PREPARED BY  
AND RETURN TO:  
TITLE OFFICES, LLC  
1089 SW MAIN BLVD.  
LAKE CITY, FLORIDA 32025

Parcel I.D. #: 01721-002

Inst: 2005020475 Date: 08/23/2005 Time: 11:47  
mk DC, P. DeWitt Cason, Columbia County B: 1055 P: 2669

SPACE ABOVE THIS LINE FOR PROCESSING DATA

SPACE ABOVE THIS LINE FOR RECORDING DATA

## 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 713.13, Florida Statutes, the following information is provided in this Notice of Commencement. This Notice shall be void and of no force and effect if construction is not commenced within ninety (90) days after recordation.

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

Lot 2, Block F, SUWANNE VALLEY ESTATES, according to the map or plat thereof as recorded in Plat Book 3, Page 87, of the Public Records of Columbia County, FLORIDA.

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

3. Owner information:

- a. Name and address:

EVA L. SHEPPARD  
329 BASCOM NORRIS DR., APT. 103, LAKE CITY,  
FLORIDA 32055

- b. Interest in property: Fee Simple

- c. Name and Address of Fee Simple Titleholder (if other than owner):

4. Contractor: (Name and Address)

C & S CONSTRUCTION  
456 SE ERMINE AVE., LAKE CITY, FLORIDA 32025  
Telephone Number: (386) 755-7200

5. Surety (if any):

- a. Name and Address:

Telephone Number: \_\_\_\_\_

- b. Amount of Bond \$ \_\_\_\_\_

6. Lender: (Name and Address)

USDA RURAL DEVELOPMENT  
10094 US Hwy 129, Live Oak, Florida 32060  
Telephone Number: \_\_\_\_\_

7. Persons within the State of Florida designated by Owner upon whom notice or other documents may be served as provided by Section 713.13(1)(a)7., Florida Statutes: (Name and Address)  
N/A

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)  
USDA RURAL DEVELOPMENT  
10094 US Hwy 129, Live Oak, Florida 32060  
Telephone Number: \_\_\_\_\_

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

Eva L. Sheppard {SEAL}  
EVA L. SHEPPARD

{SEAL}

Sworn to and subscribed before me this 22nd day of August, 2005, by EVA L. SHEPPARD, who is personally known to me or who has produced \_\_\_\_\_ as identification.

Notary Public

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



Bonita Hadwin  
MY COMMISSION # DD230004 EXPIRES  
August 10, 2007  
BONDED THRU TROY FAIR INSURANCE, INC.



This Instrument Prepared by & return to:

Name: KIM WATSON, an employee of  
TITLE OFFICES, LLC  
Address: 1089 SW MAIN BLVD.  
LAKE CITY, FLORIDA 32025  
File No. 05Y-06143KW

Inst:2005020472 Date:08/23/2005 Time:11:47  
Doc Stamp-Deed : 83.30  
mk DC,P.Dewitt Cason,Columbia County B:1055 P:2659

Parcel I.D. #: 01721-002

SPACE ABOVE THIS LINE FOR PROCESSING DATA

SPACE ABOVE THIS LINE FOR RECORDING DATA

**THIS WARRANTY DEED** Made the 22nd day of August, A.D. 2005, by THOMAS M. CUSHMAN,  
MARRIED, hereinafter called the grantor, to EVA L. SHEPPARD,  
SINGLE, whose post office address is 379 BASCOM NORRIS DR., APT. 103, LAKE CITY,  
FLORIDA 32055, hereinafter called the grantee:

(Wherever used herein the terms "grantor" and "grantee" include all the parties to this instrument, singular and plural, the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporations, wherever the context so admits or requires.)

**Witnesseth:** That the grantor, for and in consideration of the sum of \$10.00 and other valuable consideration, receipt whereof is hereby acknowledged, does hereby grant, bargain, sell, alien, remise, release, convey and confirm unto the grantee all that certain land situate in Columbia County, State of FLORIDA, viz:

Lot 2, Block F, SUWANNE VALLEY ESTATES, according to the map or plat thereof as recorded in  
Plat Book 3, Page 87, of the Public Records of Columbia County, FLORIDA.  
THE ABOVE DESCRIBED PROPERTY IS NOT THE HOMESTEAD OF THE GRANTOR.

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 the grantor hereby covenants with said grantee that he is lawfully seized of said land in fee simple; that he has good right and lawful authority to sell and convey said land, and hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever, and that said land is free of all encumbrances, except taxes accruing subsequent to December 31, 2004.

In Witness Whereof, the said grantor has signed and sealed these presents, the day and year first above written.

Signed, sealed and delivered in the presence of:

Lavonne Cox  
Witness Signature  
LAVONNE COX

Printed Name

Bonita Hadwin  
Witness Signature  
BONITA HADWIN

Printed Name

Thomas M. Cushman L.S.  
THOMAS M. CUSHMAN  
Address:  
P.O. BOX 810, LAKE CITY, FLORIDA 32056

STATE OF FLORIDA  
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 22nd day of August, 2005, by THOMAS M. CUSHMAN, who is known to me or who has produced Flavon Cox as identification.

Bonita Hadwin  
Notary Public  
My commission expires \_\_\_\_\_



Bonita Hadwin  
MY COMMISSION # 00230004 EXPIRES  
August 10, 2007  
BONDED THRU TROY FAIR INSURANCE, INC.

# Consolidated Water Works, Inc

P.O. Box 191 • Lake City • FL • 32024 • Phone: 386-752-6729 • Fax: 386-755-1174

◆ ◆ ◆

## INVOICE

◆ ◆ ◆

**TOTAL DUE 550.00**

Salesperson  
Invoice number 1002  
Invoice date 8/29/05  
Customer ID Cox & Sons  
Terms  
Date shipped  
Shipped via  
FOB  
Prepaid / Collect  
Tax exempt  
Reason  
Exemption no.

◆ ◆ ◆

### SOLD TO

Name Cox & Sons Construction  
Address (line 1) 456 Ermine Ave.  
Address (line 2) Suite 101  
City, State or Prov. Lake City, FL  
Postal code, Country 32024  
Phone (386)755-7200  
Fax  
Company name

◆ ◆ ◆

### SHIPPED TO

Retype the following only if the name and address are not the same as the SOLD TO name and address.

Name N/A  
Address (line 1)  
Address (line 2)  
City, State or Prov.  
Postal code, Country  
Company name

Please make checks payable to:  
CWW, Inc.

REF NO.	QTY	DESCRIPTION	PRICE EACH	TOTAL
	2	New Water Hook-Up, SVE	275.00	550.00
		- BLK F Lot 1		
		Hope Job		
		- BLK F Lot 2		
		Shepherd Job		
SUBTOTAL				550.00
Sales tax %				
SHIPPING & HANDLING				
PAYMENTS				
PLEASE PAY THIS AMOUNT				550.00
TERMS: Net 30 days				

PAID 8/29/05 ck# 9236, Shannen J. Jones



# COLUMBIA COUNTY 9-1-1 ADDRESSING

263 NW Lake City Ave. \* 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 ISSUED: August 29, 2005

ENHANCED 9-1-1 ADDRESS:

154 NW SPARR LN (LAKE CITY, FL 32055)

Addressed Location 911 Phone Number: NOT AVAIL.

OCCUPANT NAME: NOT AVAIL.

OCCUPANT CURRENT MAILING ADDRESS: \_\_\_\_\_

PROPERTY APPRAISER PARCEL NUMBER: 22-2S-16-01721-002

Other Contact Phone Number (If any): \_\_\_\_\_

Building Permit Number (If known): \_\_\_\_\_

Remarks: LOT 2 BLOCK F SUWANNEE VALLEY ESTATES S/D

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.**

COLUMBIA COUNTY  
9-1-1 ADDRESSING  
APPROVED

FLORIDA ENERGY EFFICIENCY CODE  
FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs  
Residential Whole Building Performance Method A


Project Name:	The JANICE	Builder:	CnS CONSTRUCTION
Address:	-	Permitting Office:	COLUMBIA
City, State:	LAKE CITY, FL	Permit Number:	23602
Owner:	CnS CONSTRUCTION	Jurisdiction Number:	221006
Climate Zone:	North		

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 24.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 12.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	Yes	c. N/A	
6. Conditioned floor area (ft²)	1056 ft²		
7. Glass area & type	Single Pane Double Pane	13. Heating systems	
a. Clear glass, default U-factor	99.0 ft² 0.0 ft²	a. Electric Heat Pump	Cap: 24.0 kBtu/hr
b. Default tint	0.0 ft² 0.0 ft²		HSPF: 8.70
c. Labeled U or SHGC	0.0 ft² 0.0 ft²	b. N/A	
8. Floor types		c. N/A	
a. Slab-On-Grade Edge Insulation	R=0.0, 136.0(p) ft	14. Hot water systems	
b. N/A		a. Electric Resistance	Cap: 50.0 gallons
c. N/A			EF: 0.91
9. Wall types		b. N/A	
a. Frame, Wood, Exterior	R=11.0, 949.0 ft²	c. Conservation credits	
b. N/A		(HR-Heat recovery, Solar	
c. N/A		DHP-Dedicated heat pump)	
d. N/A		15. HVAC credits	CF,
e. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
10. Ceiling types		HF-Whole house fan,	
a. Under Attic	R=22.0, 1056.0 ft²	PT-Programmable Thermostat,	
b. N/A		MZ-C-Multizone cooling,	
c. N/A		MZ-H-Multizone heating)	
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 106.0 ft		
b. N/A			

Glass/Floor Area: 0.09

Total as-built points: 17192  
Total base points: 19645

PASS

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code.	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.
PREPARED BY: <u>[Signature]</u>	
DATE: <u>APR 7 2005</u> <u>7:45 PM</u>	
I hereby certify that this building, as designed, is in compliance with the Florida Energy Code.	
OWNER/AGENT: _____	BUILDING OFFICIAL: _____
DATE: _____	DATE: _____



# Residential System Sizing Calculation

## Summary

CnS CONSTRUCTION

LAKE CITY, FL

Project Title:  
The JANICE

Code Only  
Professional Version  
Climate: North

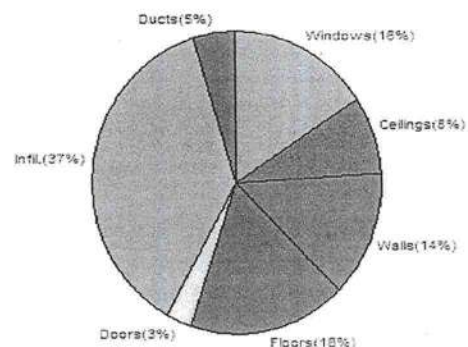
6/7/2005

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>Total cooling load calculation</b>	<b>23487 Btuh</b>
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	99.1 24000	Sensible (SHR = 0.75)	118.5 18000
Heat Pump + Auxiliary(8.0kW)	211.9 51304	Latent	72.3 6000
		Total (Electric Heat Pump)	102.2 24000

## WINTER CALCULATIONS

Winter Heating Load (for 1056 sqft)

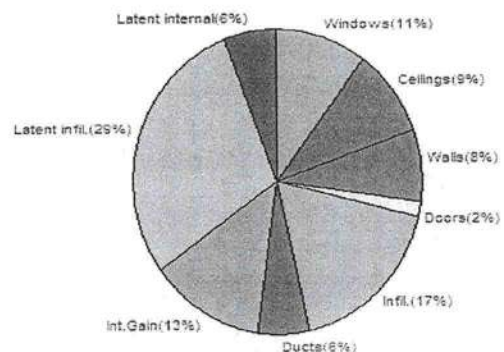
Load component		Load	
Window total	99 sqft	3861	Btuh
Wall total	949 sqft	3322	Btuh
Door total	40 sqft	718	Btuh
Ceiling total	1056 sqft	2006	Btuh
Floor total	136 ft	4298	Btuh
Infiltration	206 cfm	8856	Btuh
<b>Subtotal</b>		<b>23060</b>	<b>Btuh</b>
Duct loss		1153	Btuh
<b>TOTAL HEAT LOSS</b>		<b>24213</b>	<b>Btuh</b>



## SUMMER CALCULATIONS

Summer Cooling Load (for 1056 sqft)

Load component		Load	
Window total	99 sqft	2490	Btuh
Wall total	949 sqft	1841	Btuh
Door total	40 sqft	399	Btuh
Ceiling total	1056 sqft	2133	Btuh
Floor total		0	Btuh
Infiltration	199 cfm	3948	Btuh
Internal gain		3000	Btuh
<b>Subtotal(sensible)</b>		<b>13811</b>	<b>Btuh</b>
Duct gain		1381	Btuh
<b>Total sensible gain</b>		<b>15192</b>	<b>Btuh</b>
Latent gain(infiltration)		6914	Btuh
Latent gain(internal)		1380	Btuh
<b>Total latent gain</b>		<b>8294</b>	<b>Btuh</b>
<b>TOTAL HEAT GAIN</b>		<b>23487</b>	<b>Btuh</b>



EnergyGauge® System Sizing based on ACCA Manual J.

PREPARED BY:

DATE:

AN7005 7 June 2005



SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: -, LAKE CITY, FL,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned X BSPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X	SPM X	SOF = Points		
.18	1056.0	20.04	3809.2	Single, Clear	S	2.0	4.8	40.0	40.81	0.71	1164.9
				Single, Clear	S	7.0	4.8	20.0	40.81	0.48	388.9
				Single, Clear	N	2.0	4.8	15.0	21.73	0.87	282.0
				Single, Clear	N	2.0	2.8	9.0	21.73	0.77	149.9
				Single, Clear	E	2.0	9.2	15.0	47.92	0.94	672.5
				As-Built Total:							99.0
WALL TYPES Area X BSPM = Points				Type	R-Value		Area X	SPM	= Points		
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior	11.0		949.0	1.70	1613.3		
Exterior	949.0	1.70	1613.3								
Base Total:		949.0	1613.3	As-Built Total:				949.0	1613.3		
DOOR TYPES Area X BSPM = Points				Type			Area X	SPM	= Points		
Adjacent	0.0	0.00	0.0	Exterior Wood			40.0	6.10	244.0		
Exterior	40.0	6.10	244.0								
Base Total:		40.0	244.0	As-Built Total:				40.0	244.0		
CEILING TYPES Area X BSPM = Points				Type	R-Value		Area X	SPM X SCM	= Points		
Under Attic	1056.0	1.73	1826.9	Under Attic	22.0		1056.0	2.11 X 1.00	2228.2		
Base Total:		1056.0	1826.9	As-Built Total:				1056.0	2228.2		
FLOOR TYPES Area X BSPM = Points				Type	R-Value		Area X	SPM	= Points		
Slab	136.0(p)	-37.0	-5032.0	Slab-On-Grade Edge Insulation	0.0		136.0(p)	-41.20	-5603.2		
Raised	0.0	0.00	0.0								
Base Total:		-5032.0		As-Built Total:				136.0	-5603.2		
INFILTRATION Area X BSPM = Points						Area X		SPM	= Points		
		1056.0	10.21					1056.0	10.21	10781.8	

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: -, LAKE CITY, FL,

PERMIT #:

BASE				AS-BUILT							
Summer Base Points: 13243.1				Summer As-Built Points: 11922.3							
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	
13243.1		0.4266	5649.5	11922.3		1.000	(1.090 x 1.147 x 0.91)	0.284	0.950	3665.0	
				11922.3		1.00	1.138	0.284	0.950	3665.0	



WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: -, LAKE CITY, FL,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt			Area X WPM X WOF = Points			
.18	1056.0	12.74	2421.6	Single, Clear	S	2.0	4.8	40.0	20.24	1.43	1160.1
				Single, Clear	S	7.0	4.8	20.0	20.24	3.24	1310.3
				Single, Clear	N	2.0	4.8	15.0	33.22	1.01	501.8
				Single, Clear	N	2.0	2.8	9.0	33.22	1.01	303.2
				Single, Clear	E	2.0	9.2	15.0	26.41	1.03	407.0
				As-Built Total:							99.0
WALL TYPES Area X BWPM = Points				Type	R-Value			Area X WPM = Points			
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior	11.0			949.0	3.70		3511.3
Exterior	949.0	3.70	3511.3								
Base Total:		949.0	3511.3	As-Built Total:				949.0			3511.3
DOOR TYPES Area X BWPM = Points				Type				Area X WPM = Points			
Adjacent	0.0	0.00	0.0	Exterior Wood				40.0	12.30		492.0
Exterior	40.0	12.30	492.0								
Base Total:		40.0	492.0	As-Built Total:				40.0			492.0
CEILING TYPESArea X BWPM = Points				Type	R-Value			Area X WPM X WCM = Points			
Under Attic	1056.0	2.05	2164.8	Under Attic	22.0			1056.0	2.45 X 1.00		2587.2
Base Total:		1056.0	2164.8	As-Built Total:				1056.0			2587.2
FLOOR TYPES Area X BWPM = Points				Type	R-Value			Area X WPM = Points			
Slab	136.0(p)	8.9	1210.4	Slab-On-Grade Edge Insulation	0.0			136.0(p)	18.80		2556.8
Raised	0.0	0.00	0.0								
Base Total:			1210.4	As-Built Total:				136.0			2556.8
INFILTRATION Area X BWPM = Points							Area X WPM = Points				
		1056.0	-0.59					1056.0	-0.59		-623.0

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: -, LAKE CITY, FL,

PERMIT #:

BASE				AS-BUILT							
Winter Base Points:		9177.1		Winter As-Built Points:				12206.6			
Total Winter Points	X	System Multiplier	= Heating Points	Total Component	X	Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points	
9177.1		0.6274	5757.7	12206.6		1.000	(1.069 x 1.169 x 0.93)	0.392	1.000	5560.4	
				12206.6		1.00	1.162	0.392	1.000	5560.4	



# WATER HEATING & CODE COMPLIANCE STATUS

## Residential Whole Building Performance Method A - Details

ADDRESS: -, LAKE CITY, FL,

PERMIT #:

BASE					AS-BUILT						
WATER HEATING											
Number of Bedrooms	X	Multiplier	=	Total	Tank Volume	EF	Number of Bedrooms	X	Tank X Ratio	Multiplier X	Credit = Total Multiplier
3		2746.00		8238.0	50.0	0.91	3		1.00	2655.47	1.00 7966.4
					As-Built Total:						7966.4

CODE COMPLIANCE STATUS										
BASE					AS-BUILT					
Cooling Points	+	Heating Points	+	Hot Water Points = Total Points	Cooling Points	+	Heating Points	+	Hot Water Points = Total Points	
5650		5758		8238 19645	3665		5560		7966 17192	

PASS



Code Compliance Checklist  
Residential Whole Building Performance Method A - Details

ADDRESS: -, 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.	



# ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE\* = 85.4

The higher the score, the more efficient the home.

CnS CONSTRUCTION, -, LAKE CITY, FL,

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 24.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 12.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	Yes	c. N/A	
6. Conditioned floor area (ft <sup>2</sup> )	1056 ft <sup>2</sup>		
7. Glass area & type	Single Pane Double Pane	13. Heating systems	
a. Clear - single pane	99.0 ft <sup>2</sup> 0.0 ft <sup>2</sup>	a. Electric Heat Pump	Cap: 24.0 kBtu/hr
b. Clear - double pane	0.0 ft <sup>2</sup> 0.0 ft <sup>2</sup>		HSPF: 8.70
c. Tint/other SHGC - single pane	0.0 ft <sup>2</sup> 0.0 ft <sup>2</sup>	b. N/A	
d. Tint/other SHGC - double pane		c. N/A	
8. Floor types		14. Hot water systems	
a. Slab-On-Grade Edge Insulation	R=0.0, 136.0(p) ft	a. Electric Resistance	Cap: 50.0 gallons
b. N/A			EF: 0.91
c. N/A		b. N/A	
9. Wall types		c. Conservation credits	
a. Frame, Wood, Exterior	R=11.0, 949.0 ft <sup>2</sup>	(HR-Heat recovery, Solar	
b. N/A		DHP-Dedicated heat pump)	
c. N/A		15. HVAC credits	CF,
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=22.0, 1056.0 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, 106.0 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 v3.30)

# System Sizing Calculations - Winter

## Residential Load - Component Details

CnS CONSTRUCTION

LAKE CITY, FL

Project Title:

The JANICE

Code Only

Professional Version

Climate: North

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

6/7/2005

Window	Panes/SHGC/Frame/U	Orientation	Area X	HTM=	Load
1	1, Clear, Metal, 1.00	N	40.0	39.0	1560 Btuh
2	1, Clear, Metal, 1.00	N	20.0	39.0	780 Btuh
3	1, Clear, Metal, 1.00	S	15.0	39.0	585 Btuh
4	1, Clear, Metal, 1.00	S	9.0	39.0	351 Btuh
5	1, Clear, Metal, 1.00	W	15.0	39.0	585 Btuh
Window Total			99		3861 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Exterior	11.0	949	3.5	3322 Btuh
Wall Total			949		3322 Btuh
Doors	Type		Area X	HTM=	Load
1	Wood - Exter		40	17.9	718 Btuh
Door Total			40		718Btuh
Ceilings	Type	R-Value	Area X	HTM=	Load
1	Under Attic	22.0	1056	1.9	2006 Btuh
Ceiling Total			1056		2006Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab-On-Grade Edge Insul	0	136.0 ft(p)	31.6	4298 Btuh
Floor Total			136		4298 Btuh
Infiltration	Type	ACH X	Building Volume	CFM=	Load
	Natural	0.40	8448(sqft)	56	2421 Btuh
	Mechanical			150	6435 Btuh
Infiltration Total				206	8856 Btuh

Totals for Heating	Subtotal	23060 Btuh
	Duct Loss(using duct multiplier of 0.05)	1153 Btuh
	Total Btuh Loss	24213 Btuh

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)

(Frame types - metal, wood or insulated metal)

(U - Window U-Factor or 'DEF' for default)

(HTM - ManualJ Heat Transfer Multiplier)

Key: Floor size (perimeter(p) for slab-on-grade or area for all other floor types )



# System Sizing Calculations - Summer

## Residential Load - Component Details

CnS CONSTRUCTION

Project Title:  
The JANICE

Code Only  
Professional Version  
Climate: North

LAKE CITY, FL

Reference City: Gainesville (Defaults)

Summer Temperature Difference: 18.0 F

6/7/2005

Window	Type	Overhang		Window Area(sqft)			HTM		Load	
	Panes/SHGC/U/InSh/ExSh Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	1, Clear, 1.00, B, N	N	2	4.83	40.0	0.0	40.0	20	20	800 Btuh
2	1, Clear, 1.00, B, N	N	7	4.83	20.0	0.0	20.0	20	20	400 Btuh
3	1, Clear, 1.00, B, N	S	2	4.83	15.0	15.0	0.0	20	30	300 Btuh
4	1, Clear, 1.00, B, N	S	2	2.83	9.0	9.0	0.0	20	30	180 Btuh
5	1, Clear, 1.00, B, N	W	2	9.17	15.0	0.0	15.0	20	54	810 Btuh
Window Total					99					2490 Btuh
Walls 1	Type	R-Value			Area		HTM		Load	
	Frame - Exterior	11.0			949.0		1.9		1841 Btuh	
	Wall Total				949.0				1841 Btuh	
Doors 1	Type	R-Value			Area		HTM		Load	
	Wood - Exter				40.0		10.0		399 Btuh	
	Door Total				40.0				399 Btuh	
Ceilings 1	Type/Color	R-Value			Area		HTM		Load	
	Under Attic/Dark	22.0			1056.0		2.0		2133 Btuh	
	Ceiling Total				1056.0				2133 Btuh	
Floors 1	Type	R-Value			Size		HTM		Load	
	Slab-On-Grade Edge Insulation	0.0			136.0 ft(p)		0.0		0 Btuh	
	Floor Total				136.0				0 Btuh	
Infiltration	Type	ACH			Volume		CFM=		Load	
	Natural	0.35			8448		49.4		978 Btuh	
	Mechanical						150		2970 Btuh	
	Infiltration Total						199		3948 Btuh	

Internal gain	Occupants		Btuh/occupant		Appliance	Load	
	6		X	300 +		1200	3000 Btuh

Totals for Cooling	Subtotal	13811 Btuh
	Duct gain(using duct multiplier of 0.10)	1381 Btuh
	Total sensible gain	15192 Btuh
	Latent infiltration gain (for 51 gr. humidity difference)	6914 Btuh
	Latent occupant gain (6 people @ 230 Btuh per person)	1380 Btuh
	Latent other gain	0 Btuh
	TOTAL GAIN	23487 Btuh

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)

EnergyGauge® FLRCPB v3.30

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



ATTN: WEEGIC

23602

BUILDING PERMIT NO.

PHONE 755.7200

LAKE CITY

FL 32055

PHONE 386.623.9290

LAKE CITY

FL 32055

PHONE 755.7200

LOCATION OF PROPERTY 41-N TO SPARR LN,TL 2ND LOT ON L @ CORNR OF SPARR & DUSTIN WAY

SUBDIVISION/LOT/BLOCK/PHASE/UNIT SUWANNEE VALLEY EST.

2

F

PARCEL ID # 22-2S-16-01721-002

**SIGNATURE:**

**A SEPARATE CHECK IS REQUIRED  
MAKE CHECKS PAYABLE TO BCC**

**Amount Paid** 50.00

                     APPROVED

NOT APPROVED - NEEDS A CULVERT PERMIT

COMMENTS:

SIGNED:

DATE: \_\_\_\_\_

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

COLUMBIA COUNTY

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

SEP 14 2005

PUBLIC WORKS DEPT.





# COLUMBIA VALLEY OF

## OCCUPANCY

COLUMBIA COUNTY, FLORIDA

### Department of Building and Zoning Inspection

*This Certificate of Occupancy is issued to the below named permit holder for the building and premises at the below named location, and certifies that the work has been completed in accordance with the Columbia County Building Code.*

Parcel Number 22-2S-16-01721-002

Building permit No. 000023602

Use Classification SFD/UTILITY

Fire: 65.12

Permit Holder JAMES R. COX

Waste: 134.75

Owner of Building EVA L. SHEPPARD

Total: 199.87

Location: 154 NW SPARR LANE, SUWANNEE VALLEY EST. LOT 2-F

Date: 11/15/2005



Building Inspector

POST IN A CONSPICUOUS PLACE  
(Business Places Only)



# Notice of Treatment

11571

Applicator: Florida Pest Control & Chemical Co. (www.flapest.com)

Address: BARA AVE

City: Lake City

Phone: 7521703

Site Location: Subdivision

Summer Valley EST

Lot # 2 Block#

Permit # 23602

Address 154 NW SPARK LANE

## Product used

## Active Ingredient

## % Concentration

☐ Dursban TC

Chlorpyrifos

0.5%

☐ Terminor

Fipronil

0.06%

☒ Bora Care Disodium Octaborate Tetrahydrate

23.0%

Type treatment:

☐ Soil

☒ Wood

3571

Area Treated

Square feet

Linear feet

Gallons Applied

Decking

1052

387

4

As per Florida Building Code 104.2.6 - If soil chemical barrier method for termite prevention is used, final exterior treatment shall be completed prior to final building approval.

If this notice is for the final exterior treatment, initial this line \_\_\_\_\_.

Date

Time

Print Technician's Name

9-29-05

1013

F254 Sunny

Remarks:

Applicator - White

Permit File - Canary

Permit Holder - Pink

6/04

©



# Notice of Intent for Preventative Treatment for Termites

(As required by Florida Building Code 104.2.6)

Date: 8/30/05

Lot 2 Block F Swann Valley Estate

(Address of Treatment or Lot/Block of Treatment)

Lake City

City

## Florida Pest Control & Chemical Co.

[www.flapest.com](http://www.flapest.com)

Product to be used: Bora-Care Termiticide (Wood Treatment)

Chemical to be used: 23% Disodium Octaborate Tetrahydrate

Application will be performed onto structural wood at dried-in stage of construction. Bora-Care Termiticide application shall be applied according to EPA registered label directions as stated in the Florida Building Code Section 1861.1.8

(Information to be provided to local building code offices prior to concrete foundation installation.)