

DATE 09/13/2005

Columbia County Building Permit

PERMIT

This Permit Expires One Year From the Date of Issue

000023600

APPLICANT LAVONNE COX PHONE 386.755.7200
ADDRESS 456 SE ERMINE AVE,STE 101 LAKE CITY FL 32025
OWNER BENJAMIN HOPE PHONE 386.963.5933
ADDRESS 132 NW SPARR LN LAKE CITY FL 32055
CONTRACTOR JAMES R. COX PHONE 386.755.7200
LOCATION OF PROPERTY 41-N TO SPARR LN,TL AND T'S THE 1ST. LOT ON CORNER

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 30
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 1 BLOCK F PHASE _____ UNIT _____ TOTAL ACRES .28

000000812 RR0066502
Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor
WAIVER 05-0890-N BLK N
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: NOC ON FILE, PREVENTATIVE TERMITE REPORT
1 FOOT ABOVE RD.

Check # or Cash 9266

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 \$ 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 _____ CLERKS OFFICE CH

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

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

This Permit Must Be Prominently Posted on Premises During Construction

PLEASE NOTIFY THE COLUMBIA COUNTY BUILDING DEPARTMENT AT LEAST 24 HOURS IN ADVANCE OF EACH INSPECTION, IN ORDER THAT IT MAY BE MADE WITHOUT DELAY OR 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.

For Office Use Only Application # 0508-112 Date Received 8-30-05 By LH Permit # 212/83600
Application Approved by - Zoning Official BLK Date 13.07.05 Plans Examiner OK JTH Date 9-8-05
Flood Zone For Suwannee Development Permit N/A Zoning A-3 Land Use Plan Map Category A-3
Comments Section 2.3.1 9266

Applicants Name C+S Construction - LARONNE COX Phone 386-755-7200
Address 4516 SE Emure Ave STE 101 Lake City, Florida 32025
Owners Name Benjamin J. Hope Phone 386-963-5933
911 Address 132 NW Sparr Street Lake City, Florida 32055
Contractors Name James R. Cox Phone 386-755-7200
Address 4516 SE Emure Ave STE 101 Lake City, Florida 32025
Fee Simple Owner Name & Address Benjamin J. Hope
Bonding Co. Name & Address N/A
Architect/Engineer Name & Address Nick Geisler 1758 NW Brown Rd 755-9021
Mortgage Lenders Name & Address USDA/RHS & SHIP
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 60,000
Subdivision Name Suwannee Valley Estates Lot 1 Block F Unit Phase
Driving Directions Lake 41 North to Sparr Street turn left
1st Lot on Corner

Type of Construction New Residential Number of Existing Dwellings on Property 0
Total Acreage 0.28 Lot Size Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive
Actual Distance of Structure from Property Lines - Front 30' Side 46' Side 30' Rear 46'
Total Building Height Number of Stories 1 Heated Floor Area 1056 Roof Pitch 4/12
Porch 80 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 Cox

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 ✓ or Produced Identification

James R. Cox

Contractor Signature

Contractors License Number RR0066302

Competency Card Number 5763

NOTARY STAMP/SEAL

BELINDA LAFFOON
NOTARY PUBLIC - STATE OF FLORIDA
COMMISSION # DD301751
EXPIRES 3/26/2008
BONDED THRU 1-988-NOTARY1

Notary Signature

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-08051KW

Inst: 2005020468 Date: 08/23/2005 Time: 11:44
Doc Stamp-Deed : 83.30
MK DC, P. DeWitt Cason, Columbia County B: 1055 P: 2648

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 **BENJAMIN JOSEPH HOPE**,
SINGLE, whose post office address is **P.O. BOX 424, WELBORN, FL. 32094**, 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 1, Block F, SUWANNEE 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 *Thomas M. Cushman* as identification.

Bonita Hadwin
Notary Public
My commission expires _____



Bonita Hadwin
MY COMMISSION # 00010024 EXPIRES
AUGUST 15, 2007
BONDED THROUGH FARM INSURANCE, INC.

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

Parcel I.D. #: 01721-002

Inst:2005020471 Date:08/23/2005 Time:11:44
ML DC,P.DeWitt Cason,Columbia County B:1055 P:2658

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 1, Block F, SUWANNEE 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:
BENJAMIN JOSEPH HOPE
P.O. BOX 424, WELBORN, FL. 32094
- 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 STREET, 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) _____

Benjamin Joseph Hope {SEAL}
BENJAMIN JOSEPH HOPE

{SEAL}

Sworn to and subscribed before me this 22nd day of August, 2005, by BENJAMIN JOSEPH HOPE, who is personally known to me or who has produced

as identification.

Bonita Hadwin
Notary Public

My Commission Expires: _____

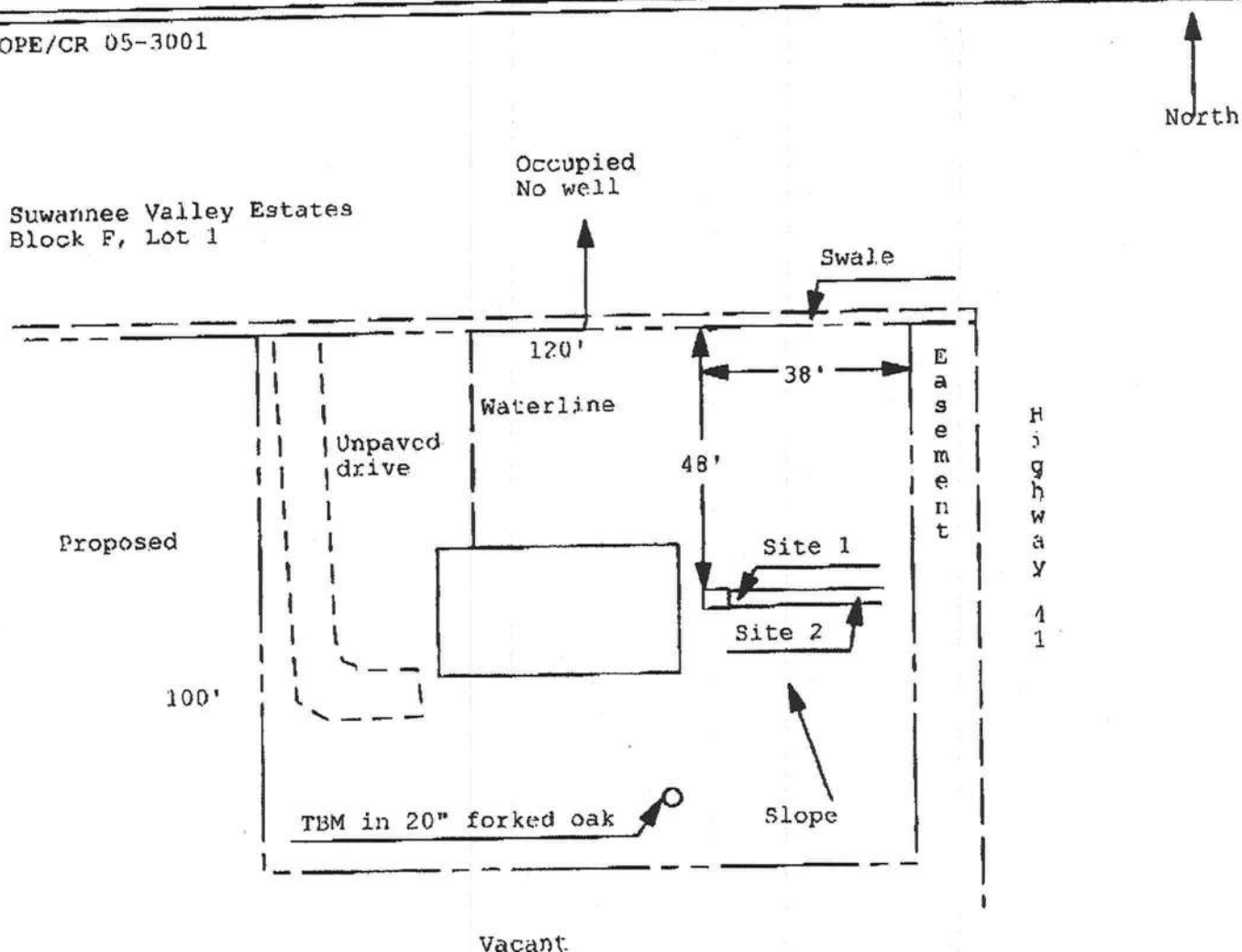


Bonita Hadwin
MY COMMISSION # DD230004 EXPIRES
August 10, 2007
BONDED THRU TROY FAIN INSURANCE, INC.

**Application for Onsite Sewage Disposal System
Construction Permit. Part II Site Plan**
Permit Application Number: 05-0890-N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

HOPE/CR 05-3001



1 inch = 30 feet

Site Plan Submitted By Paul L. Lyle Date 8/18/05
Plan Approved ☒ Not Approved ☐ Days 9/01/05
By A. H. K. K. K. R. H. H. Columbia CPHU

Notes:

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

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

◆◆◆

550.00

◆◆◆

SOLD TO

◆◆◆

SNIPPED TO

Please make checks payable to:
CWW, Inc.

REF NO.	QTY	DESCRIPTION	PRICE EACH	TOTAL
	2	New Water Hook-Up, SVE - BLK F Lot 1 Hope Job	275.00	550.00
		- 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, Shamus 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:

132 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: LOTS 1 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:	23600
Owner:	CnS CONSTRUCTION	Jurisdiction Number:	22100
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		
b. N/A		14. Hot water systems	
c. N/A		a. Electric Resistance	Cap: 50.0 gallons
9. Wall types			EF: 0.91
a. Frame, Wood, Exterior	R=11.0, 949.0 ft²	b. N/A	
b. N/A		c. Conservation credits	
c. N/A		(HR-Heat recovery, Solar	
d. N/A		DHP-Dedicated heat pump)	
e. N/A		15. HVAC credits	CF,
10. Ceiling types		(CF-Ceiling fan, CV-Cross ventilation,	
a. Under Attic	R=22.0, 1056.0 ft²	HF-Whole house fan,	
b. N/A		PT-Programmable Thermostat,	
c. N/A		MZ-C-Multizone cooling,	
11. Ducts		MZ-H-Multizone heating)	
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 PASS
Total base points: 19645

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

PREPARED BY: [Signature]

DATE: APR 05 7:40 AM 2005

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: _____

Residential System Sizing Calculation

Summary

CnS CONSTRUCTION
LAKE CITY, FL

Project Title:
The JANICE

Code Only
Professional Version
Climate: North

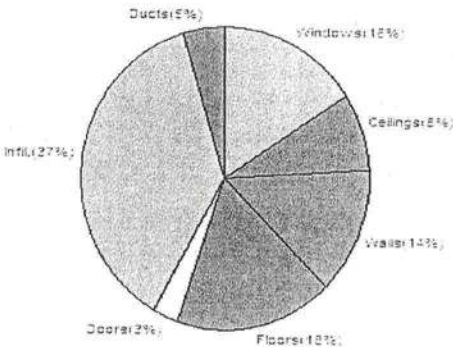
6/7/2005

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
Total heating load calculation		Total cooling load calculation	23487 Btuh
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)

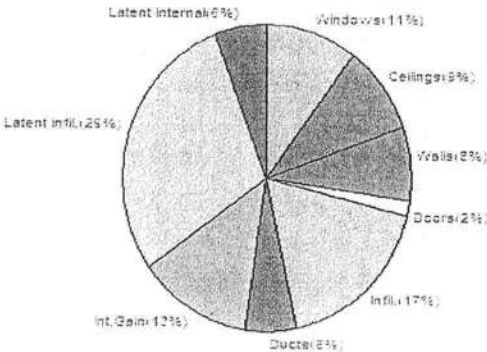
Load component		Load
Window total	99 sqft	3861 Btuh
Wall total	949 sqft	3322 Btuh
Door total	40 sqft	718 Btuh
Ceiling total	1056 sqft	2006 Btuh
Floor total	136 ft	4298 Btuh
Infiltration	206 cfm	8856 Btuh
Subtotal		23060 Btuh
Duct loss		1153 Btuh
TOTAL HEAT LOSS		24213 Btuh



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
Subtotal(sensible)		13811 Btuh
Duct gain		1381 Btuh
Total sensible gain		15192 Btuh
Latent gain(infiltration)		6914 Btuh
Latent gain(internal)		1380 Btuh
Total latent gain		8294 Btuh
TOTAL HEAT GAIN		23487 Btuh



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	R-Value			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 TYPES Area 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	Credit = Total Multiplier
3		2746.00		8238.0	50.0	0.91	3		1.00	2655.47
					As-Built Total:					7966.4

CODE COMPLIANCE STATUS									
BASE					AS-BUILT				
Cooling Points	+	Heating Points	+	Hot Water Points	=	Total Points	Cooling Points	+	Heating 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 ²)	1056 ft ²	___		___
7. Glass area & type	Single Pane	Double Pane	___	___
a. Clear - single pane	99.0 ft ²	0.0 ft ²	___	13. Heating systems
b. Clear - double pane	0.0 ft ²	0.0 ft ²	___	a. Electric Heat Pump
c. Tint/other SHGC - single pane	0.0 ft ²	0.0 ft ²	___	Cap: 24.0 kBtu/hr
d. Tint/other SHGC - double pane			___	HSPF: 8.70
8. Floor types			___	b. N/A
a. Slab-On-Grade Edge Insulation	R=0.0, 136.0(p) ft	___	___	c. N/A
b. N/A	___	___	___	___
c. N/A	___	___	___	14. Hot water systems
9. Wall types			___	a. Electric Resistance
a. Frame, Wood, Exterior	R=11.0, 949.0 ft ²	___	___	Cap: 50.0 gallons
b. N/A	___	___	___	EF: 0.91
c. N/A	___	___	___	b. N/A
d. N/A	___	___	___	___
e. N/A	___	___	___	c. Conservation credits
10. Ceiling types			___	(HR-Heat recovery, Solar
a. Under Attic	R=22.0, 1056.0 ft ²	___	___	DHP-Dedicated heat pump)
b. N/A	___	___	___	15. HVAC credits
c. N/A	___	___	___	CF, ___
11. Ducts			___	(CF-Ceiling fan, CV-Cross ventilation,
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 106.0 ft	___	___	HF-Whole house fan,
b. N/A	___	___	___	PT-Programmable Thermostat,
			___	MZ-C-Multizone cooling,
			___	MZ-H-Multizone heating)

I certify that this home has complied with the Florida Energy Efficiency Code For Building Construction through the above energy saving features which will be installed (or exceeded) in this home before final inspection. Otherwise, a new EPL Display Card will be completed based on installed Code compliant features.

Builder Signature: _____ Date: _____

Address of New Home: _____ City/FL Zip: _____



**NOTE: The home's estimated energy performance score is only available through the FLA/RES computer program. This is not a Building Energy Rating. If your score is 80 or greater (or 86 for a US EPA/DOE EnergyStarTM designation), your home may qualify for energy efficiency mortgage (EEM) incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at 321/638-1492 or see the Energy Gauge web site at www.fsec.ucf.edu for information and a list of certified Raters. For information about Florida's Energy Efficiency Code For Building Construction, contact the Department of Community Affairs at 850/487-1824.*

EnergyGauge® (Version: FLRCPB v3.30)

System Sizing Calculations - Winter

Residential Load - Component Details

CnS CONSTRUCTION

Project Title:
The JANICE

LAKE CITY, FL

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	Type	R-Value			Area		HTM		Load		
	1	Frame - Exterior	11.0			949.0		1.9		1841 Btuh	
	Wall Total					949.0		1841 Btuh			
Doors	Type	R-Value			Area		HTM		Load		
	1	Wood - Exter				40.0		10.0		399 Btuh	
	Door Total					40.0		399 Btuh			
Ceilings	Type/Color	R-Value			Area		HTM		Load		
	1	Under Attic/Dark	22.0			1056.0		2.0		2133 Btuh	
	Ceiling Total					1056.0		2133 Btuh			
Floors	Type	R-Value			Size		HTM		Load		
	1	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)

ATTN: Weeje
**Columbia County Building Department
Culvert Waiver**

**Culvert Waiver No.
000000812**

DATE: 09/13/2005

BUILDING PERMIT NO. 23606

APPLICANT LAVONE COX

PHONE 755.7200

ADDRESS 456 SE ERMINE AVE, STE 101

LAKE CITY

FL 32025

OWNER BENJAMIN HOPE

PHONE 386.963.5933

ADDRESS 132 NW SPARR ROAD

LAKE CITY

FL 32055

CONTRACTOR JAMES R. COX

PHONE 386.755.7200

LOCATION OF PROPERTY 41-N TO SPARR LANE, TL AND IT'S THE 1ST. LOT ON CORNER

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

1

F

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

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: *Lavone Cox*

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:

[Signature] APPROVED

NOT APPROVED - NEEDS A CULVERT PERMIT

COMMENTS: _____

SIGNED: *Ruy [Signature]*

DATE: 9/16/05

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

COLUMBIA COUNTY

SEP 14 2005

PUBLIC WORKS DEPT.

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



COLUMBIA COUNTY OFFICE 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. 000023600

Use Classification SFD/UTILITY

Fire: 199.87

Permit Holder JAMES R. COX

Waste: _____

Owner of Building BENJAMIN HOPE

Total: 199.87

Location: 132 NW SPARR LANE(SUWANNEE VALLEY EST., LOT 1)

Date: 11/28/2005

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)



John D. Hope

Notice of Intent for Preventative Treatment for Termites

(As required by Florida Building Code 104.2.6)

Date: 8/30/05

Lot 1 Block F Sorawana Valley Estates

Lake City

(Address of Treatment or Lot/Block of Treatment)

City

Florida Pest Control & Chemical Co.

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.)