

43946

## Columbia County New Building Permit Application

For Office Use Only Application # 1908-70 Date Received 8/20/19 By NG Permit # 39038

Zoning Official T.C. 41 Date 10-28-19 Flood Zone X Land Use AG Zoning A-3

FEMA Map # N/A Elevation N/A MFE 1' Above River N/A Plans Examiner T.C. Date 10-28-19

Comments Floor 1' Above Ad. Front 30' Sides 25' Rear 25'

☒ NOC ☒ EH ☒ Deed or PA ☒ Site Plan ☐ State Road Info ☒ Well ☒ 911 Sheet ☐ Parent Parcel #

☐ Dev Permit # ☐ In Floodway ☐ Letter of Auth. from Contractor ☐ F W Comp. letter

☒ Owner Builder Disclosure Statement ☐ Land Owner Affidavit ☐ Ellisville Water ☒ App Fee Paid ☒ Sub VF Form

Septic Permit No. 19-0846 OR City Water ☐ Fax

Applicant (Who will sign/pickup the permit) OBIE Lewis Phone 386-623-7475

Address 553 SE Doretha Terr Lake City FL 32025

Owners Name OBIE Lewis + EILEEN LEWIS Phone 386-623-7475

911 Address 553 SE Doretha Terr Lake City, FL 32025

Contractors Name owner builder Phone 386-623-7475

Address 551 SE Doretha Terr Lake City, FL 32025

Contractor Email wildfire19652002@yahoo.com \*\*\*Include to get updates on this job.

Fee Simple Owner Name & Address

Bonding Co. Name & Address

Architect/Engineer Name & Address Nicholas Geisler 1758 NW Brown Rd Lake City, FL 32055

Mortgage Lenders Name & Address

Circle the correct power company ☐ FL Power & Light ☒ Clay Elec. ☐ Suwannee Valley Elec. ☐ Duke Energy

Property ID Number 31-45-18-10519-025 Estimated Construction Cost 25,000 per permit

Subdivision Name Parkwood Lot 18 Block Unit Phase

Driving Directions from a Major Road

Construction of SFD Commercial OR ☒ Residential

Proposed Use/Occupancy Home Number of Existing Dwellings on Property 1

Is the Building Fire Sprinkled? If Yes, blueprints included Or Explain

Circle Proposed ☐ Culvert Permit or ☐ Culvert Waiver or ☐ D.O.T. Permit or ☒ Have an Existing Drive

Actual Distance of Structure from Property Lines - Front 100 Side 110 Side 110 Rear 500

Number of Stories 2 Heated Floor Area 2400 Total Floor Area 2446 Acreage 4.27

Zoning Applications applied for (Site & Development Plan, Special Exception, etc.)

1. At. Cook to date 11/12/19

**Columbia County Building Permit Application**

**CODE: Florida Building Code 2017 and the 2014 National Electrical Code.**

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.

**TIME LIMITATIONS OF APPLICATION :** An application for a permit for any proposed work shall be deemed to have been abandoned 180 days after the date of filing, unless pursued in good faith or a permit has been issued.

**TIME LIMITATIONS OF PERMITS:** Every permit issued shall become invalid unless the work authorized by such permit is commenced within 180 days after its issuance, or if the work authorized by such permit is suspended or abandoned for a period of 180 days after the time work is commenced. A valid permit receives an approved inspection every 180 days. Work shall be considered not suspended, abandoned or invalid when the permit has received an approved inspection within 180 days of the previous approved inspection.

**FLORIDA'S CONSTRUCTION LIEN LAW: Protect Yourself and Your Investment:** According to Florida Law, those who work on your property or provide materials, and are not paid-in-full, have a right to enforce their claim for payment against your property. This claim is known as a construction lien. If your contractor fails to pay subcontractors or material suppliers or neglects to make other legally required payments, the people who are owed money may look to your property for payment, even if you have paid your contractor in full. This means if a lien is filed against your property, it could be sold against your will to pay for labor, materials or other services which your contractor may have failed to pay.

**NOTICE OF RESPONSIBILITY TO CONTRACTOR AND AGENT:** **YOU ARE HEREBY NOTIFIED** as the recipient of a building permit from Columbia County, Florida, you will be held responsible to the County for any damage to sidewalks and/or road curbs and gutters, concrete features and structures, together with damage to drainage facilities, removal of sod, major changes to lot grades that result in ponding of water, or other damage to roadway and other public infrastructure facilities caused by you or your contractor, subcontractors, agents or representatives in the construction and/or improvement of the building and lot for which this permit is issued. No certificate of occupancy will be issued until all corrective work to these public infrastructures and facilities has been corrected.

**WARNING TO OWNER:** YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

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

**NOTICE TO OWNER:** There are some properties that may have deed restrictions recorded upon them. These restrictions may limit or prohibit the work applied for in your building permit. You must verify if your property is encumbered by any restrictions or face possible litigation and or fines.

Elkeen A Lewis  
OBic Lewis  
Print Owners Name

[Signature]  
Owners Signature

**\*\*Property owners must sign here before any permit will be issued.**

**\*\*If this is an Owner Builder Permit Application then, ONLY the owner can sign the building permit when it is issued.**

**CONTRACTORS AFFIDAVIT:** By my signature I understand and agree that I have informed and provided this written statement to the owner of all the above written responsibilities in Columbia County for obtaining this Building Permit including all application and permit time limitations.

Contractor's Signature \_\_\_\_\_ Contractor's License Number \_\_\_\_\_  
Columbia County \_\_\_\_\_  
Competency Card Number \_\_\_\_\_

Affirmed under penalty of perjury to by the Contractor and subscribed before me this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_.

Personally known ☐ or Produced Identification \_\_\_\_\_

SEAL:

State of Florida Notary Signature (For the Contractor)

# NOTICE OF COMMENCEMENT

Tax Parcel Identification Number:

31-45-18-10519-025

Clerk's Office Stamp

Inst: 201912019311 Date: 08/20/2019 Time: 11:01AM  
Page 1 of 1 B: 1391 P: 1758, P.DeWitt Cason, Clerk of Court  
Columbia, County, By: PT  
Deputy Clerk

THE UNDERSIGNED hereby gives notice that improvements will be made to certain real property, and in accordance with Section 713.13 of the Florida Statutes, the following information is provided in this NOTICE OF COMMENCEMENT.

1. Description of property (legal description): Lewis  
a) Street (job) Address: 553 SE Doretha Terr Lake City, FL 32025
2. General description of improvements: SFD

3. Owner Information or Lessee information if the Lessee contracted for the improvements:  
a) Name and address: Obie + Eileen Lewis 553 SE Doretha Terr Lake City FL 32025  
b) Name and address of fee simple titleholder (if other than owner):  
c) Interest in property owner

4. Contractor Information  
a) Name and address: owner builder  
b) Telephone No.:

5. Surety Information (if applicable, a copy of the payment bond is attached):  
a) Name and address:  
b) Amount of Bond:  
c) Telephone No.:

6. Lender  
a) Name and address:  
b) Phone No.:

7. Person 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:  
a) Name and address:  
b) Telephone No.:

8. In addition to himself or herself, Owner designates the following person to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes:  
a) Name: OF  
b) Telephone No.:

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

**WARNING TO OWNER: ANY PAYMENTS MADE BY THE OWNER AFTER THE EXPIRATION OF THE NOTICE OF COMMENCEMENT ARE CONSIDERED IMPROPER PAYMENTS UNDER CHAPTER 713, PART I, SECTION 713.13, FLORIDA STATUTES, AND CAN RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY; A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OR RECORDING YOUR NOTICE OF COMMENCEMENT.**

STATE OF FLORIDA  
COUNTY OF COLUMBIA

10. Obie Lewis  
Signature of Owner or Lessee, or Owner's or Lessee's Authorized Office/Director/Partner/Manager

Obie Lewis  
Printed Name and Signatory's Title/Office

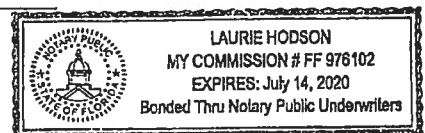
The foregoing instrument was acknowledged before me, a Florida Notary, this 20th day of August, 2019, by:  
OBIE LEWIS as Owner for OBIE & EILEEN LEWIS  
(Name of Person) (Type of Authority) (name of party on behalf of whom instrument was executed)

Personally Known ☒ OR Produced Identification \_\_\_\_\_ Type \_\_\_\_\_

Notary Signature

[Signature]

Notary Stamp or Seal:



# SUBCONTRACTOR VERIFICATION

APPLICATION/PERMIT # 1908-70

JOB NAME Lewis

**THIS FORM MUST BE SUBMITTED BEFORE A PERMIT WILL BE ISSUED**

Columbia County issues combination permits. One permit will cover all trades doing work at the permitted site. It is **REQUIRED** that we have records of the subcontractors who actually did the trade specific work under the general contractors permit.

**NOTE:** It shall be the responsibility of the general contractor to make sure that all of the subcontractors are licensed with the Columbia County Building Department.

**Use website to confirm licenses:** <http://www.columbiacountyfla.com/PermitSearch/ContractorSearch.aspx>

**NOTE:** If this should change prior to completion of the project, it is your responsibility to have a corrected form submitted to our office, before that work has begun.

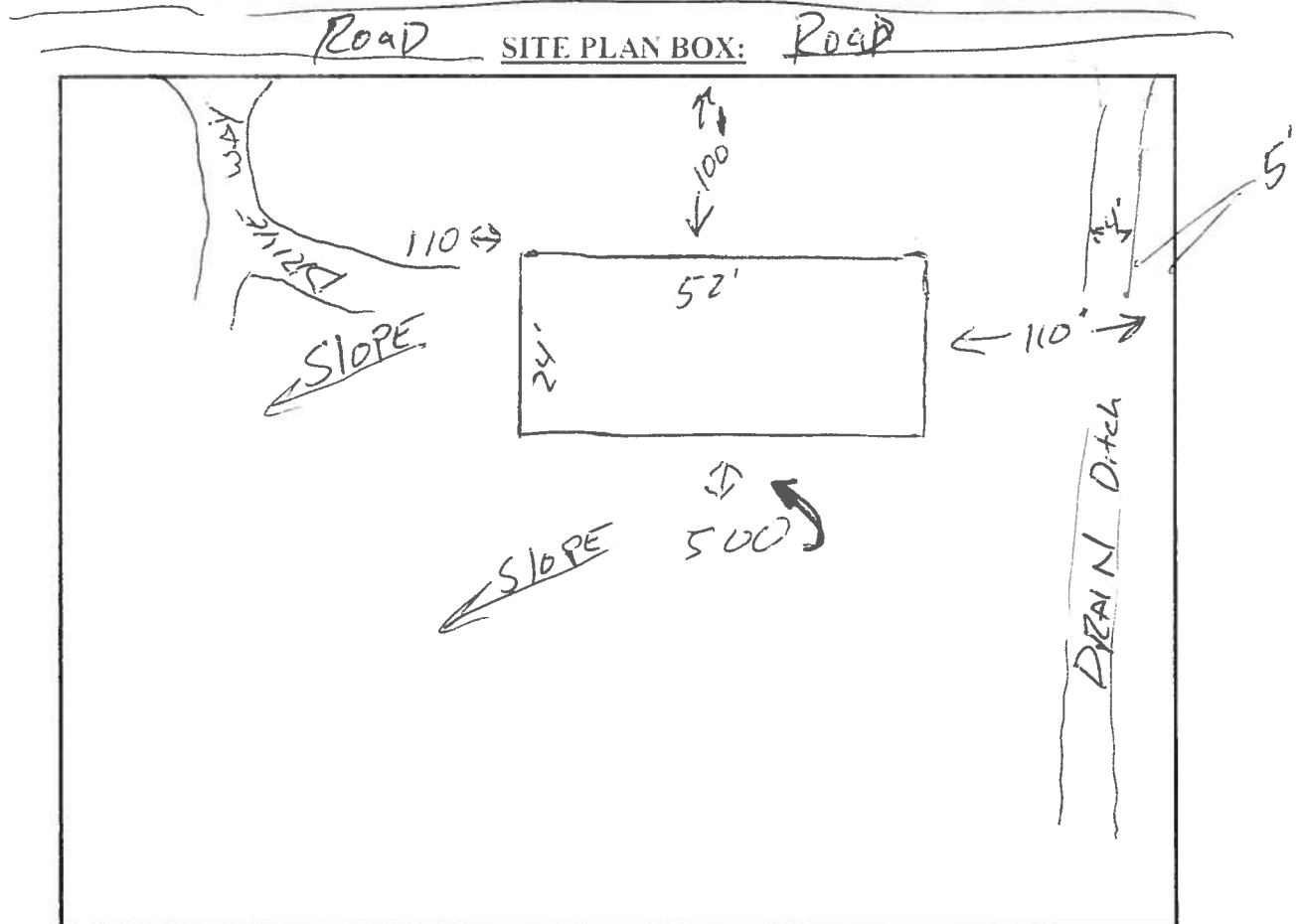
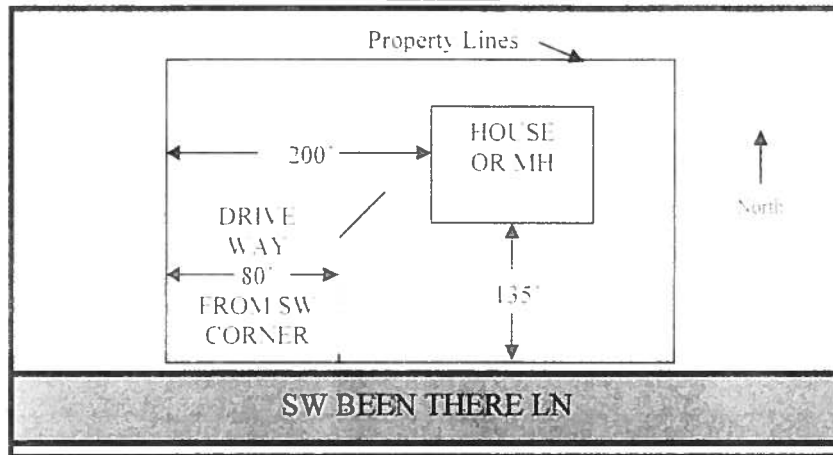
Violations will result in stop work orders and/or fines.

<b>ELECTRICAL</b> <input type="checkbox"/> CC# _____	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	<b>Need</b> <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
<b>MECHANICAL/ A/C</b> <input type="checkbox"/> CC# _____	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	<b>Need</b> <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
<b>PLUMBING/ GAS</b> <input type="checkbox"/> CC# _____	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	<b>Need</b> <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
<b>ROOFING</b> <input type="checkbox"/> CC# _____	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	<b>Need</b> <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
<b>SHEET METAL</b> <input type="checkbox"/> CC# _____	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	<b>Need</b> <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
<b>FIRE SYSTEM/ SPRINKLER</b> <input type="checkbox"/> CC# _____	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	<b>Need</b> <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
<b>SOLAR</b> <input type="checkbox"/> CC# _____	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	<b>Need</b> <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
<b>STATE SPECIALTY</b> <input type="checkbox"/> CC# _____	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	<b>Need</b> <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE

## Page 2, Site Plan for 9-1-1 Address Application From

1. A PLAT, PLAN, OR DRAWING SHOWING THE PROPERTY LINES OF THE PARCEL.
2. LOCATION OF PLANNED RESIDENT OR BUSINESS STRUCTURE ON THE PROPERTY WITH DISTANCES FROM AT LEAST TWO OF THE PROPERTY LINES TO THE STRUCTURE (SEE SAMPLE BELOW).
3. LOCATION OF THE ACCESS POINT (DRIVEWAY, ETC.) ON THE ROADWAY FROM WHICH LOCATION IS TO BE ADDRESSED WITH A DISTANCE FROM A PARALLEL PROPERTY LINE AND/OR PROPERTY CORNER (SEE SAMPLE BELOW).
4. TRAVEL OF THE DRIVEWAY FROM THE ACCESS POINT TO THE STRUCTURE (SEE SAMPLE BELOW).

### SAMPLE:





**Columbia County Property Appraiser**

Jeff Hampton

**2018 Tax Roll Year**

updated: 6/25/2019

Parcel: << **31-4S-18-10519-025** >>

Aerial Viewer Pictometry Google Maps

**Owner & Property Info**

Result: 46 of 57

Owner	LEWIS OBIE J & EILEEN A 553 SE DORETHA TER LAKE CITY, FL 32025		
Site	553 DORETHA TER, LAKE CITY		
Description*	LOT 18 PARKWOOD S/D. ORB 491-535, 532-128, 648-331, 771-1935, DC HENRY 906-1099, WD 1036-1942.		
Area	4.27 AC	S/T/R	31-4S-18
Use Code**	MOBILE HOM (000200)	Tax District	3

\*The Description above is not to be used as the Legal Description for this parcel in any legal transaction.

\*\*The Use Code is a FL Dept. of Revenue (DOR) code and is not maintained by the Property Appraiser's office. Please contact your city or county Planning & Zoning office for specific zoning information.

**Property & Assessment Values**

2018 Certified Values		2019 Working Values	
Mkt Land (3)	\$15,414	Mkt Land (3)	\$17,164
Ag Land (0)	\$0	Ag Land (0)	\$0
Building (1)	\$56,279	Building (1)	\$61,318
XFOB (8)	\$5,738	XFOB (8)	\$5,738
Just	\$77,431	Just	\$84,220
Class	\$0	Class	\$0
Appraised	\$77,431	Appraised	\$84,220
SOH Cap [?]	\$11,558	SOH Cap [?]	\$18,322
Assessed	\$64,193	Assessed	\$65,898
Exempt	HX H3 \$38,443	Exempt	HX H3 \$39,648
Total	county:\$25,750	Total	county:\$25,825
Taxable	city:\$25,750	Taxable	city:\$25,825
	other:\$25,750		other:\$25,825
	school:\$39,193		school:\$40,898

**▼ Sales History**

Sale Date	Sale Price	Book/Page	Deed	V/I	Quality (Codes)	RCode
1/25/2005	\$48,800	1036/1942	WD	I	Q	
3/3/1993	\$47,500	771/1935	WD	I	U	12
6/17/1988	\$33,800	655/0023	WD	I	Q	
3/24/1988	\$22,500	648/0331	AA	I	Q	

**▼ Building Characteristics**

Bldg Sketch	Bldg Item	Bldg Desc*	Year Blt	Base SF	Actual SF	Bldg Value
Sketch	1	SFR/MH CON (000101)	1982	2480	2480	\$61,318

\*Bldg Desc determinations are used by the Property Appraisers office solely for the purpose of determining a property's Just Value for ad valorem tax purposes and should not be used for any other purpose.

**▼ Extra Features & Out Buildings (Codes)**

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
0011	BARN,BLK A	0	\$3,488.00	750.000	25 x 30 x 0	(000.00)

District No. 1 - Ronald Williams  
District No. 2 - Rocky Ford  
District No. 3 - Bucky Nash  
District No. 4 - Toby Witt  
District No. 5 - Tim Murphy

**BOARD OF COUNTY COMMISSIONERS • COLUMBIA COUNTY**



**Address Assignment and Maintenance Document**

To maintain the county wide 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 addressing 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 Services 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/Time Issued: **8/28/2019 8:54:45 PM**  
Address: **551 SE DORETHA Ter**  
City: **LAKE CITY**  
State: **FL**  
Zip Code **32025**

Parcel ID **10519-025**

REMARKS: Address for proposed structure on parcel. 2nd address for this parcel.

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

Address Issued By: **Signed:/ Matt Crews**

Columbia County GIS/911 Addressing Coordinator

**COLUMBIA COUNTY  
911 ADDRESSING / GIS DEPARTMENT**

263 NW Lake City Ave., Lake City, FL 32055 Telephone: (386) 758-1125  
Email: [gis@columbiacountyfla.com](mailto:gis@columbiacountyfla.com)

*Osie Lewis*



## **COLUMBIA COUNTY BUILDING DEPARTMENT**

135 NE Hernando Ave., Suite B-21

Lake City, FL 32055

Office: 386-758-1008 Fax: 386-758-2160

### **OWNER BUILDER DISCLOSURE STATEMENT**

I understand that state law requires construction to be done by a licensed contractor and have applied for an owner-builder permit under an exemption from the law. The exemption specifies that I, as the owner of the property listed, may act as my own contractor with certain restrictions even though I do not have a license.

I understand that building permits are not required to be signed by a property owner unless he or she is responsible for the construction and is not hiring a licensed contractor to assume responsibility.

I understand that, as an owner-builder, I am the responsible party of record on a permit. I understand that I may protect myself from potential financial risk by hiring a licensed contractor and having the permit filed in his or her name instead of my own name. I also understand that a contractor is required by law to be licensed and bonded in Florida and to list his or her license numbers on permits and contracts.

I understand that I may build or improve a one-family or two-family residence or farm outbuilding. I may also build or improve a commercial building if the costs do not exceed \$75,000. The building or residence must be for my own use or occupancy. It may not be built or substantially improved for sale or lease. If a building or residence that I have built or substantially improved myself is sold or leased within 1 year after the construction is complete, the law will presume that I built or substantially improved it for sale or lease, which violates the exemption.

I understand that, as the owner-builder, I must provide direct, onsite supervision of the construction.

I understand that I may not hire an unlicensed person to act as my contractor or to supervise persons working on my building or residence. It is my responsibility to ensure that the persons whom I employ have the licenses required by law and by county or municipal ordinance.

I understand that it is frequent practice of unlicensed persons to have the property owner obtain an owner-builder permit that erroneously implies that the property owner is providing his or her own labor and materials. I, as an owner-builder, may be held liable and subjected to serious financial risk for any injuries sustained by an unlicensed person or his or her employees while working on my property. My homeowner's insurance may not provide coverage for those injuries. I am willfully acting as an owner-builder and am aware of the limits of my insurance coverage for injuries to workers on my property.



I understand that I may not delegate the responsibility for supervising work to a licensed contractor who is not licensed to perform the work being done. Any person working on my building who is not licensed must work under my direct supervision and must be employed by me, which means that I must comply with laws requiring the withholding of federal income tax and social security contributions under the Federal Insurance Contributions Act (FICA) and must provide workers' compensation for the employee. I understand that my failure to follow these laws may subject me to serious financial risk.

I agree that, as the party legally and financially responsible for this proposed construction activity, I will abide by all applicable laws and requirements that govern owner-builders as well as employers. I also understand that the construction must comply with all applicable laws, ordinances, building codes, and zoning regulations.

I understand that I may obtain more information regarding my obligations as an employer from the Internal Revenue Service, the United States Small Business Administration, the Florida Department of Financial Services, and the Florida Department of Revenue. I also understand that I may contact the Florida Construction Industry Licensing Board at 850-487-1395 or Internet website address <http://www.myfloridalicense.com/dbpr/> for more information about licensed contractors.

I am aware of, and consent to, an owner-builder building permit applied for in my name and understand that I am the party legally and financially responsible for the proposed construction activity at the following address:

553 S.E. Doretha Tr.

I agree to notify Columbia County Building Department immediately of any additions, deletions, or changes to any of the information that I have provided on this disclosure. Licensed contractors are regulated by laws designed to protect the public. If you contract with a person who does not have a license, the Construction Industry Licensing Board and Department of Business and Professional Regulation may be unable to assist you with any financial loss that you sustain as a result of a complaint. Your only remedy against an unlicensed contractor may be in civil court. It is also important for you to understand that, if an unlicensed contractor or employee of an individual or firm is injured while working on your property, you may be held liable for damages. If you obtain an owner-builder permit and wish to hire a licensed contractor, you will be responsible for verifying whether the contractor is properly licensed and the status of the contractor's workers' compensation coverage.

I understand that if I hire subcontractors they must be licensed for that type of work in Columbia County, ex: framing, stucco, masonry, and state registered builders. Registered Contractors must have a minimum of \$300,000.00 in General Liability insurance coverage and the proper workers' compensation. Specialty Contractors must have a minimum of \$100,000.00 in General Liability insurance coverage and the proper workers' compensation coverage.

Before a building permit can be issued, this disclosure statement must be completed and signed by the property owner and returned to Columbia County Building Department.

#### TYPE OF CONSTRUCTION

- ☒ Single Family Dwelling      ( ) Two-Family Residence      ( ) Farm Outbuilding  
( ) Addition, Alteration, Modification or other Improvement  
( ) Commercial, Cost of Construction \_\_\_\_\_ for construction of \_\_\_\_\_  
( ) Other \_\_\_\_\_

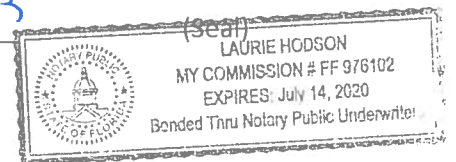
I, Eileen + Ohie Lewis, have been advised of the above disclosure statement for exemption from contractor licensing as an owner/builder. I agree to comply with all requirements provided for in Florida Statutes allowing this exception for the construction permitted by Columbia County Building Permit.

      8-20-19  
Owner Builder Signature      Date

#### NOTARY OF OWNER BUILDER SIGNATURE

The above signer is personally known to me or produced identification \_\_\_\_\_

Notary Signature \_\_\_\_\_ Date 8.20.19



#### FOR BUILDING DEPARTMENT USE ONLY

I hereby certify that the above listed owner builder has been given notice of the restriction stated above.

Building Official/Representative 



STATE OF FLORIDA  
DEPARTMENT OF HEALTH  
ONSITE SEWAGE TREATMENT AND DISPOSAL  
SYSTEM  
APPLICATION FOR CONSTRUCTION PERMIT

PERMIT NO. 19-0846  
DATE PAID: 11/19/19  
FEE PAID: 310.00  
RECEIPT #: 1453926

## APPLICATION FOR:

☒ New System    ☐ Existing System    ☐ Holding Tank    ☐ Innovative  
☐ Repair    ☐ Abandonment    ☐ Temporary    ☐

APPLICANT: OBie & Eileen LewisAGENT: Robert W. Ford Jr North Florida Septic Tank Inc;TELEPHONE: 386-755-6372MAILING ADDRESS: 741 SE State Road 100 Lake City, Fla 32025

TO BE COMPLETED BY APPLICANT OR APPLICANT'S AUTHORIZED AGENT. SYSTEMS MUST BE CONSTRUCTED BY A PERSON LICENSED PURSUANT TO 489.105(3)(a) OR 489.552, FLORIDA STATUTES. IT IS THE APPLICANT'S RESPONSIBILITY TO PROVIDE DOCUMENTATION OF THE DATE THE LOT WAS CREATED OR PLATTED (MM/DD/YY) IF REQUESTING CONSIDERATION OF STATUTORY GRANDFATHER PROVISIONS.

## PROPERTY INFORMATION

LOT: 18 BLOCK: - SUBDIVISION: Parkwood PLATTED: 1982

PROPERTY ID #: 31-45-18-10519-025 ZONING: MH I/M OR EQUIVALENT: ☐ Y ☐ N ☐

PROPERTY SIZE: 4.21 ACRES WATER SUPPLY: ☒ PRIVATE PUBLIC ☐  $\leq 2000$  GPD ☐  $> 2000$  GPD

IS SEWER AVAILABLE AS PER 381.0065, FS? ☐ No ☐ Yes DISTANCE TO SEWER: 6 FT

PROPERTY ADDRESS: 533 Doretha Ter

DIRECTIONS TO PROPERTY: CR 245 South to Ebenezer Rd & L  
to Doretha Ter. & L 3/4 mile on left

## BUILDING INFORMATION

☒ RESIDENTIAL    ☐ COMMERCIAL

Unit No	Type of Establishment	No. of Bedrooms	Building Area Sqft	Commercial/Institutional System Design Table 1, Chapter 64E-6, FAC
1	<u>New home</u>	<u>3</u>	<u>2400</u>	
2				
3				
4				

☐ Floor/Equipment Drains    ☐ Other (Specify) \_\_\_\_\_

SIGNATURE: Robert W. Ford JrDATE: 11/18/19

**STATE OF FLORIDA  
DEPARTMENT OF HEALTH  
APPLICATION FOR CONSTRUCTION PERMIT**

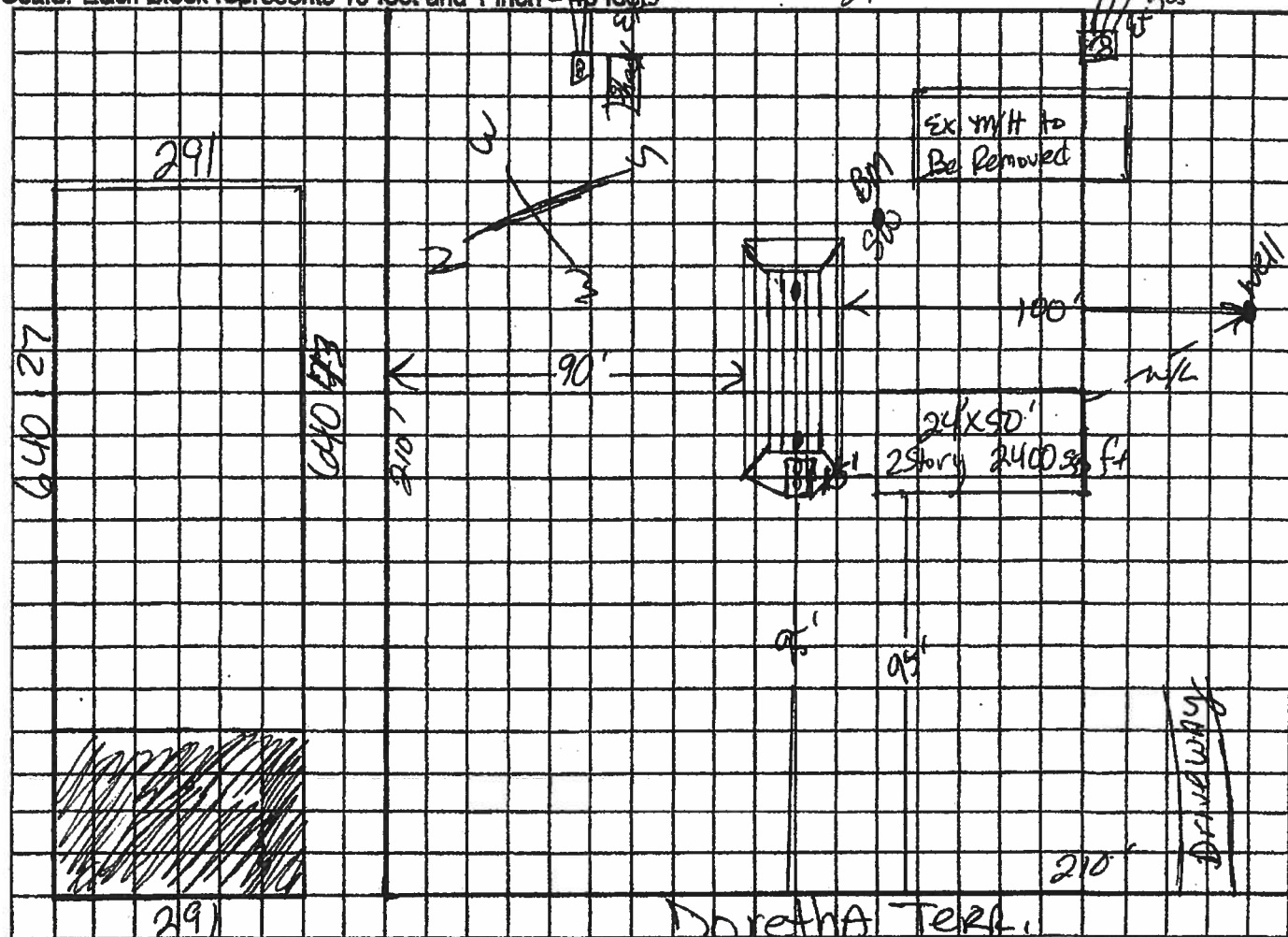
**Permit Application Number.**

19-0846

## PART II - SITEPLAN

# LEWIS

**Scale:** Each block represents 10 feet and 1 inch = 40 feet



**Notes:**

1 AC of 4,27 AC

**Site Plan submitted by:**

Robert W. Fard Jr. Date: 11/16/19

### Plan Approved

**Not Approved**

Date 12/12/19

Bv \_\_\_\_\_ Cal. Co County Health Department

**ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT**





COLUMBIA COUNTY BUILDING DEPARTMENT  
RESIDENTIAL CHECK LIST

MINIMUM PLAN REQUIREMENTS: FLORIDA BUILDING CODE RESIDENTIAL 2017 EFFECTIVE 1 JANUARY 2018  
AND THE NATIONAL ELECTRICAL 2014 EFFECTIVE 1 JANUARY 2018

ALL REQUIREMENTS ARE SUBJECT TO CHANGE

ALL BUILDING PLANS MUST INDICATE COMPLIANCE WITH THE CURRENT FLORIDA BUILDING CODES RESIDENTIAL AND THE NATIONAL ELECTRICAL CODE. ALL PLANS OR DRAWINGS SHALL PROVIDE CALCULATIONS AND DETAILS THAT HAVE THE SEAL AND SIGNATURE OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA, OR ALTERNATE METHODOLOGIES, APPROVED BY THE STATE OF FLORIDA BUILDING COMMISSION FOR ONE-AND-TWO FAMILY DWELLINGS, FBC 1609.3.1 THRU 1609.3.3.

FOR DESIGN PURPOSES THE FOLLOWING BASIC WIND SPEEDS ARE PER FLORIDA BUILDING CODE FIGURE 1609-A THROUGH 1609-C ULTIMATE DESIGN WIND SPEEDS FOR RISK CATEGORY AND BUILDINGS AND OTHER STRUCTURES  
Revised 7/1/18

Website: <http://www.columbiacountyfla.com/BuildingandZoning.asp>

Items to Include-  
Each Box shall be  
Circled as  
Applicable

GENERAL REQUIREMENTS:

APPLICANT - PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

Select From Drop down

1	Two (2) complete sets of plans containing the following:		Yes	No	NA
2	All drawings must be clear, concise, drawn to scale, details that are not used shall be marked void		Yes	No	NA
3	Condition space (Sq. Ft.)	2400	Total (Sq. Ft.) under roof	2446	

Designers name and signature shall be on all documents and a licensed architect or engineer, signature and official embossed seal shall be affixed to the plans and documents as per the FLORIDA BUILDING CODES RESIDENTIAL 107.1.

Site Plan information including:

4	Dimensions of lot or parcel of land	-	Yes	No	NA
5	Dimensions of all building set backs	-	Yes	No	NA
6	Location of all other structures (include square footage of structures) on parcel, existing or proposed well and septic tank and all utility easements.	-	Yes	No	NA
7	Provide a full legal description of property.	-	Yes	No	NA

Wind-load Engineering Summary, calculations and any details are required.

GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL		Items to Include- Each Box shall be Circled as Applicable		
8	Plans or specifications must show compliance with FBCR Chapter 3	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>
		Select From Drop down		
9	Basic wind speed (3-second gust), miles per hour	- <input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10	(Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated)	- <input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11	Wind importance factor and nature of occupancy	- <input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12	The applicable internal pressure coefficient, Components and Cladding	- <input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13	The design wind pressure in terms of psf (kN/m²), to be used for the design of exterior component, cladding materials not specifi ally designed by the registered design professional.	- <input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Elevations Drawing including:

14	All side views of the structure	-	Yes	No	NA
15	Roof pitch	-	Yes	No	NA
16	Overhang dimensions and detail with attic ventilation	-	Yes	No	NA
17	Location, size and height above roof of chimneys	-	Yes	No	NA
18	Location and size of skylights with Florida Product Approval	-	Yes	No	NA
19	Number of stories	-	2	No	NA
20	Building height from the established grade to the roofs highest peak	-	25' 10"	No	NA

### **Floor Plan Including:**

21	Dimensioned area plan showing rooms, attached garage, breeze ways, covered porches, deck, balconies	-	X		
22	Raised floor surfaces located more than 30 inches above the floor or grade	-	X		
23	All exterior and interior shear walls indicated	-	X		
24	Shear wall opening shown (Windows, Doors and Garage doors)	-	X		
25	Show compliance with Section FBCR 310 Emergency escape and rescue opening shown in each bedroom (net clear opening shown) and Show compliance with Section FBC 1405.13.2 where the opening of an operable window is located more than 72 inches above the finished grade or surface below, the lowest part of the clear opening of the window shall be a minimum of 24 inches above the finished floor of the room in which the window is located. Glazing between the floor and 24 inches shall be fixed or have openings through which a 4-inch-diameter sphere cannot pass.	-			
26	Safety glazing of glass where needed	-			
27	Fireplaces types (gas appliance) (vented or non-vented) or wood burning with Hearth (see chapter 10 and chapter 24 of FBCR)	-			
28	Show stairs with dimensions (width, tread and riser and total run) details of guardrails, Handrails	-	X		
29	Identify accessibility of bathroom (see FBCR SECTION 320)	-			

**All materials placed within opening or onto/into exterior walls, soffits or roofs shall have Florida product approval number and mfg. installation information submitted with the plans**  
(see Florida product approval form)

<b>GENERAL REQUIREMENTS:</b> <b>APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL</b>		Items to Include- Each Box shall be Circled as Applicable			
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### **FBCR 403: Foundation Plans**

		Select From Drop down			
30	Location of all load-bearing walls footings indicated as standard, monolithic, dimensions, size and type of reinforcing	-	✓		
31	All posts and/or column footing including size and reinforcing	-	✓		
32	Any special support required by soil analysis such as piling	-			✓
33	Assumed load-bearing value of soil _____ Pound Per Square Foot	-			✓
34	Location of horizontal and vertical steel, for foundation or walls (include # size and type) For structures with foundation which establish new electrical utility companies service connection a Concrete Encased Electrode will be required within the foundation to serve as an grounding electrode system. Per the National Electrical Code article 250.52.3	-	✓		

### **FBCR 506: CONCRETE SLAB ON GRADE**

35	Show Vapor retarder (6mil. Polyethylene with joints taped 6 inches and sealed)	-			
36	Show control joints, synthetic fiber reinforcement or welded wire fabric reinforcement and Supports	-			

### **FBCR 318: PROTECTION AGAINST TERMITES**

37	Indicate on the foundation plan if soil treatment is used for subterranean termite prevention or Submit other approved termite protection methods. Protection shall be provided by registered termiticides	-			
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### **FBCR 606: Masonry Walls and Stem walls (load bearing & shear Walls)**

38	Show all materials making up walls, wall height, and Block size, mortar type	-	✓		
39	Show all Lintel sizes, type, spans and tie-beam sizes and spacing of reinforcement	-	✓		

**Metal frame shear wall and roof systems shall be designed, signed and sealed by Florida Prof. Engineer or Architect**

**Floor Framing System: First and/or second story**

40	Floor truss package shall including layout and details, signed and sealed by Florida Registered Professional Engineer	-	✓		
41	Show conventional floor joist type, size, span, spacing and attachment to load bearing walls, stem walls and/or piers	-	✓		
42	Girder type, size and spacing to load bearing walls, stem wall and/or piers	-	✓		
43	Attachment of joist to girder	-	✓		
44	Wind load requirements where applicable	-	✓		
45	Show required under-floor crawl space	-	✓		
46	Show required amount of ventilation opening for under-floor spaces	-	✓		
47	Show required covering of ventilation opening	-	✓		
48	Show the required access opening to access to under-floor spaces	-	✓		
49	Show the sub-floor structural panel sheathing type, thickness and fastener schedule on the edges & intermediate of the areas structural panel sheathing	-	✓		
50	Show Draftstopping, Fire caulking and Fire blocking	-	✓		
51	Show fireproofing requirements for garages attached to living spaces, per FBCR section 302.6	-	✓		
52	Provide live and dead load rating of floor framing systems (psf).	-	✓		✗

**FBCR CHAPTER 6 WOOD WALL FRAMING CONSTRUCTION**

GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL		Items to Include- Each Box shall be Circled as Applicable			
Select from Drop down					
53	Stud type, grade, size, wall height and oc spacing for all load bearing or shear walls	-	✓		
54	Fastener schedule for structural members per table FBC-R602.3.2 are to be shown	-	✓		
55	Show wood structural panel's sheathing attachment to studs, joist, trusses, rafters and structural members, showing fastener schedule attachment on the edges & intermediate of the areas structural panel sheathing	-	✓		
56	Show all required connectors with a max uplift rating and required number of connectors and oc spacing for continuous connection of structural walls to foundation and roof trusses or rafter systems	-	✓		
57	Show sizes, type, span lengths and required number of support jack studs, king studs for shear wall opening and girder or header per FBC-R602.7.	-	✓		
58	Indicate where pressure treated wood will be placed	-	✓		
59	Show all wall structural panel sheathing, grade, thickness and show fastener schedule for structural panel sheathing edges & intermediate areas	-	✓		
60	A detail showing gable truss bracing, wall balloon framing details or/ and wall hinge bracing detail	-	✓		

**FBCR :ROOF SYSTEMS:**

61	Truss design drawing shall meet section FBC-R 802.10. 1 Wood trusses	-	✓		
62	Include a layout and truss details, signed and sealed by Florida Professional Engineer	-	✓		
63	Show types of connector's assemblies' and resistance uplift rating for all trusses and rafters	-	✓		
64	Show gable ends with rake beams showing reinforcement or gable truss and wall bracing details	-	✓		
65	Provide dead load rating of trusses	-	✓		

**FBCR 802:Conventional Roof Framing Layout**

66	Rafter and ridge beams sizes, span, species and spacing	-			✓
67	Connectors to wall assemblies' include assemblies' resistance to uplift rating	-			✓
68	Valley framing and support details	-			✓
69	Provide dead load rating of rafter system	-			✓

**FBCR 803 ROOF SHEATHING**

70	Include all materials which will make up the roof decking, identification of structural panel sheathing, grade, thickness	-	✓		
71	Show fastener Size and schedule for structural panel sheathing on the edges & intermediate areas	-			

## ROOF ASSEMBLIES FRC Chapter 9

72	Include all materials which will make up the roof assemblies covering	-	✓		
73	Submit Florida Product Approval numbers for each component of the roof assemblies covering	-	✓		

## FBCR Chapter 11 Energy Efficiency Code for Residential Building

Residential construction shall comply with this code by using the following compliance methods in the FBCR Chapter 11 Residential buildings compliance methods. **Two of the required forms are to be submitted, N1100 1.1.1 As an alternative to the computerized Compliance Method A, the Alternate Residential Point System Method hand calculation, Alternate Form 600.A, may be used. All requirements specific to this calculation are located in Sub appendix C to Appendix G. Buildings complying by this alternative shall meet all mandatory requirements of this chapter. Computerized versions of the Alternate Residential Point System Method shall not be acceptable for code compliance.**

GENERAL REQUIREMENTS: APPLICANT - PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL		Items to Include- Each Box shall be Circled as Applicable			
---	--	--	--	--	--

Select from Drop Down

74	Show the insulation R value for the following areas of the structure	-	✓		
75	Attic space	-	✓		
76	Exterior wall cavity	-	✓		
77	Crawl space	-	✓		

## HVAC information

78	Submit two copies of a Manual J sizing equipment or equivalent computation study	-	✓		
79	Exhaust fans shown in bathrooms Mechanical exhaust capacity of 50 cfm intermittent or 20 cfm continuous required	-	✓		
80	Show clothes dryer route and total run of exhaust duct	-	✓		

## Plumbing Fixture layout shown

81	All fixtures waste water lines shall be shown on the foundation plan	-	✓		
82	Show the location of water heater	-	✓		

## Private Potable Water

83	Pump motor horse power	-	✓		
84	Reservoir pressure tank gallon capacity	-	✓		
85	Rating of cycle stop valve if used	-	✓		

## Electrical layout shown including

86	Show Switches, receptacles outlets, lighting fixtures and Ceiling fans	-	✓		
87	Show all 120-volt, single phase, 15- and 20-ampere branch circuits outlets required to be protected by Ground-Fault Circuit Interrupter (GFCI) Article 210.8 A	-	✓		
88	Show the location of smoke detectors & Carbon monoxide detectors	-	✓		
89	Show service panel, sub-panel, location(s) and total ampere ratings	-	✓		
90	On the electrical plans identify the electrical service overcurrent protection device for the main electrical service. This device shall be installed on the exterior of structures to serve as a disconnecting means for the utility company electrical service. Conductors used from the exterior disconnecting means to a panel or sub panel shall have four-wire conductors, of which one conductor shall be used as an equipment ground. Indicate if the utility company service entrance cable will be of the overhead or underground type.	-	✓		
	For structures with foundation which establish new electrical utility companies service connection a Concrete Encased Electrode will be required within the foundation to serve as an Grounding electrode system. Per the National Electrical Code article 250.52.3				
91	Appliances and HVAC equipment and disconnects	-	✓		
92	Show all 120-volt, single phase, 15- and 20-ampere branch circuits supplying outlets installed in dwelling unit family rooms, dining rooms, living rooms, parlors, libraries, dens, bedrooms, sunrooms, recreation rooms, closets, hallways, or similar rooms or areas shall be protected by a listed Combination arc-fault circuit interrupter, Protection device.	-	✓		



**Notice Of Commencement:**

A notice of commencement form RECORDED in the Columbia County Clerk Office is required to be filed with the Building Department BEFORE ANY INSPECTIONS can be performed.

<b>GENERAL REQUIREMENTS:</b> APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- Each Box shall be Circled as Applicable
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**\*\*ITEMS 95, 96, & 98 Are Required After APPROVAL from the ZONING DEPT.\*\***

Select from Drop down

93	<b>Building Permit Application</b> A current Building Permit Application is to be completed, by following the Checklist all supporting documents must be submitted. There is a <b>\$15.00</b> application fee. The completed application with attached documents and application fee can be mailed.	-	✓		
94	<b>Parcel Number</b> The parcel number (Tax ID number) from the Property Appraisers Office (386) 758-1083 is required. A copy of property deed is also required. <a href="http://www.columbiacountyfla.com">www.columbiacountyfla.com</a>	-	✓		
95	<b>Environmental Health Permit or Sewer Tap Approval</b> A copy of a approved Columbia County Environmental Health (386) 758-1058	-	✓		
96	<b>City of Lake City</b> A City Water and/or Sewer letter. Call 386-752-2031	-	✓		✓
97	<b>Toilet facilities shall be provided for all construction sites</b>	-	✓		
98	<b>Town of Fort White</b> (386) 497-2321 If the parcel in the application for building permit is within the Corporate city limits of Fort White, an approval land use development letter issued by the Town of Fort is required to be submitted with the application for a building permit.	-			✓
99	<b>Flood Information:</b> All projects within the Floodway of the Suwannee or Santa Fe Rivers shall require permitting through the Suwannee River Water Management District, before submitting a application to this office. Any project located within a flood zone where the base flood elevation (100 year flood) has been established shall meet the requirements of Section 8.5.2 of the Columbia County Land Development Regulations. Any project located within a flood zone where the base flood elevation has not been established (Zone A) shall meet the requirements of Section 8.5.3 of the Columbia County Land Development Regulations ( <a href="http://Municode.com">Municode.com</a> )	-	✓		
100	<b>CERTIFIED FINISHED FLOOR ELEVATIONS</b> will be required on any project where the approved FIRM Flood Maps show the property is in a AE, Floodway, and AH flood zones. Additionally One Foot Rise letters are required for AE and AH zones. In the Floodway Flood zones a Zero Rise letter is required.	-			
101	A Flood development permit is also required for AE, Floodway & AH. Development permit cost is <b>\$50.00</b>	-			
102	<b>Driveway Connection:</b> If the property does not have an existing access to a public road, then an application for a culvert permit ( <b>\$25.00</b> ) must be made. County Public Works Dept. determines the size and length of every culvert before instillation and completes a final inspection before permanent power is granted. If the applicant feels that a culvert is not needed, they may apply for a culvert waiver ( <b>\$50.00</b> ) Separate Check when issued. If the project is to be located on an F.D.O.T. maintained road, then an F.D.O.T. access permit is required.	-			X
103	<b>911 Address:</b> An application for a 911 address must be applied for and received through the Columbia County Emergency Management Office of 911 Addressing Department (386) 758-1125.	-			X

**Ordinance Sec. 90-75. - Construction debris.** (e) It shall be unlawful for any person to dispose of or discard solid waste, including construction or demolition debris at any place within the county other than on an authorized disposal site or at the county's solid waste facilities. The temporary storage, not to exceed seven days of solid waste (excluding construction and demolition debris) on the premises where generated or vegetative trash pending disposition as authorized by law or ordinance, shall not be deemed a violation of this section. The temporary storage of construction and demolition debris on the premises where generated or vegetative trash pending disposition as authorized by law or ordinance shall not be deemed in violation of this section, provided, however, such construction and demolition debris must be disposed of in accordance with this article prior to the county's issuance of a certificate of occupancy for the premises. The burning of lumber from a construction or demolition project or vegetative trash when done so with legal and proper permits from the authorized agencies and in accordance with such agencies' rules and regulations, shall not be deemed a violation of this section. No person shall bury, throw, place, or deposit, or cause to be buried, thrown, placed, or deposited, any solid waste, special waste, or debris of any kind into or on any of the public streets, road right-of-way, highways, bridges, alleys, lanes, thoroughfares, waters, canals, or vacant lots or lands within the county. No person shall bury any vegetative trash on any of the public streets, road right-of-way, highways, bridges, lanes, thoroughfares, waters, canals, or lots less than ten acres in size within the county.

**Disclosure Statement for Owner Builders:**

If you as the Applicant will be acting as your own contractor or owner/builder under section 489.103(7) Florida Statutes, you must submit the required notarized Owner Builder Disclosure Statement form.

\*\* This form can be printed from the Columbia County Website on the Building and Zoning page under Documents. Web address is - <http://www.columbiacountyfla.com/BuildingandZoning.asp>

Section 105 of the Florida Building Code defines the:

**Time limitation of application.**

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

**Single-family residential dwelling.**

Section 105.3.4 A building permit for a single-family residential dwelling must be issued within 30 working days of application therefor unless unusual circumstances require a longer time for processing the application or unless the permit application fails to satisfy the Florida Building Code or the enforcing agency's laws or ordinances.

**Permit intent.**

Section 105.4.1: A permit issued shall be constructed to be a license to proceed with the work and not as authority to violate, cancel, alter or set aside any of the provisions of the technical codes, nor shall issuance of a permit prevent the building official from thereafter requiring a correction of errors in plans, construction or violations of this code. Every permit issued shall become invalid unless the work authorized by such permit is commenced within six months after its issuance, or if the work authorized by such permit is suspended or abandoned for a period of six months after the time the work is commenced.

**If work has commenced.**

Section 105.4.1.1: If work has commenced and the permit is revoked, becomes null and void, or expires because of lack of progress or abandonment, a new permit covering the proposed construction shall be obtained before proceeding with the work.

**New Permit.**

Section 105.4.1.2: If a new permit is not obtained within 180 days from the date the initial permit became null and void, the building official is authorized to require that any work which has been commenced or completed be removed from the building site. Alternately, a new permit may be issued on application, providing the work in place and required to complete the structure meets all applicable regulations in effect at the time the initial permit became null and void and any regulations which may have become effective between the date of expiration and the date of issuance of the new permit.

**Work Shall Be:**

Section 105.4.1.3: Work shall be considered to be in active progress when the permit has received an approved inspection within 180 days. This provision shall not be applicable in case of civil commotion or strike or when the building work is halted due directly to judicial injunction, order or similar process.

**The Fee:**

Section 105.4.1.4: The fee for renewal reissuance and extension of a permit shall be set forth by the administrative authority.

**Notification:**

When the application is approved for permitting the applicant will be notified by phone as to the status by the Columbia County Building & Zoning Department.

# Residential System Sizing Calculation

## Summary

Obie Lewis

Project Title:  
Obie Lewis Residence

Lake City, FL 32055

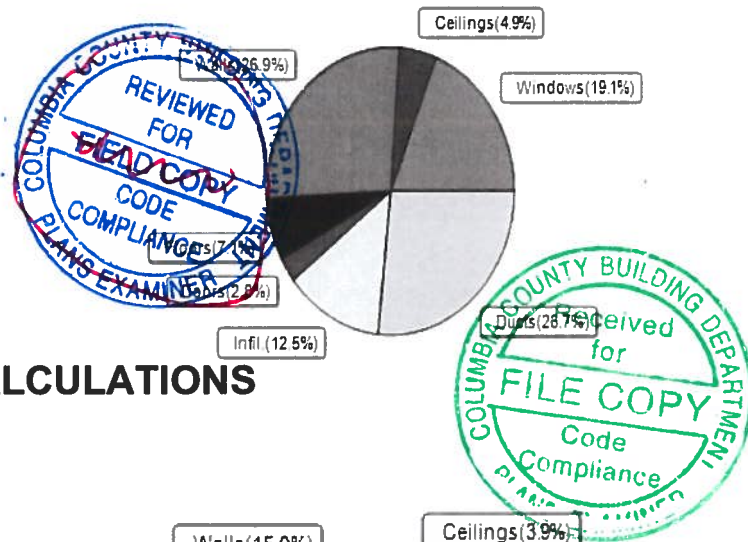
6/11/2019

Location for weather data: Gainesville, FL - Defaults: Latitude(29.7) Altitude(152 ft.) Temp Range(M)			
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(51gr.)			
Winter design temperature(TMY3 99%)	30 F	Summer design temperature(TMY3 99%)	94 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	40 F	Summer temperature difference	19 F
<b>Total heating load calculation</b>	<b>26180 Btuh</b>	<b>Total cooling load calculation</b>	<b>27705 Btuh</b>
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	100.0 26180	Sensible (SHR = 0.70)	85.6 19246
Heat Pump + Auxiliary(0.0kW)	100.0 26180	Latent	158.3 8248
		Total (Electric Heat Pump)	99.2 27494

## WINTER CALCULATIONS

Winter Heating Load (for 2400 sqft)

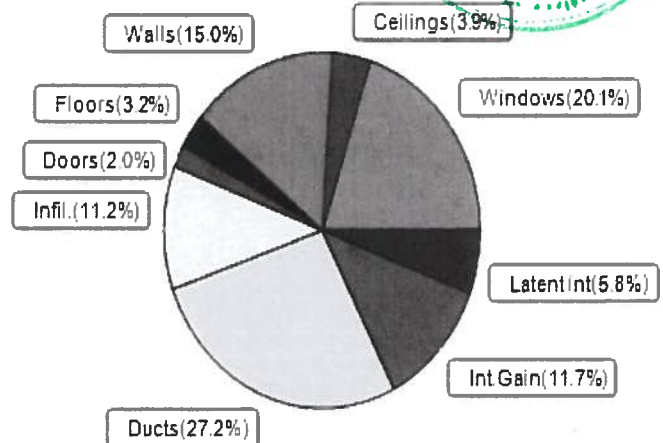
Load component		Load
Window total	347 sqft	5002 Btuh
Wall total	2129 sqft	7055 Btuh
Door total	40 sqft	736 Btuh
Ceiling total	1260 sqft	1279 Btuh
Floor total	See detail report	1847 Btuh
Infiltration	75 cfm	3272 Btuh
Duct loss		6990 Btuh
<b>Subtotal</b>		<b>26180 Btuh</b>
Ventilation	0 cfm	0 Btuh
<b>TOTAL HEAT LOSS</b>		<b>26180 Btuh</b>



## SUMMER CALCULATIONS

Summer Cooling Load (for 2400 sqft)

Load component		Load
Window total	347 sqft	5564 Btuh
Wall total	2129 sqft	4150 Btuh
Door total	40 sqft	552 Btuh
Ceiling total	1260 sqft	1087 Btuh
Floor total		883 Btuh
Infiltration	56 cfm	1166 Btuh
Internal gain		3240 Btuh
Duct gain		5852 Btuh
Sens. Ventilation	0 cfm	0 Btuh
Blower Load		0 Btuh
<b>Total sensible gain</b>		<b>22494 Btuh</b>
Latent gain(ducts)		1676 Btuh
Latent gain(infiltration)		1934 Btuh
Latent gain(ventilation)		0 Btuh
Latent gain(internal/occupants/other)		1600 Btuh
<b>Total latent gain</b>		<b>5211 Btuh</b>
<b>TOTAL HEAT GAIN</b>		<b>27705 Btuh</b>



8th Edition

EnergyGauge® System Sizing

PREPARED BY:

DATE:

6/11/2019

# System Sizing Calculations - Winter

## Residential Load - Whole House Component Details

Obie Lewis

Lake City, FL 32055

Project Title:  
Obie Lewis Residence  
Building Type: User

6/11/2019

Reference City: Gainesville, FL (Defaults) Winter Temperature Difference: 40.0 F (TMY3 99%)

### Component Loads for Whole House

Window	Panes/Type	Frame	U	Orientation	Area(sqft)	X	HTM=	Load
1	2, NFRC 0.25	Vinyl	0.36	S	60.0		14.4	864 Btuh
2	2, NFRC 0.25	Vinyl	0.36	S	13.3		14.4	192 Btuh
3	2, NFRC 0.25	Vinyl	0.36	E	9.0		14.4	130 Btuh
4	2, NFRC 0.25	Vinyl	0.36	N	40.0		14.4	576 Btuh
5	2, NFRC 0.25	Vinyl	0.36	N	45.0		14.4	648 Btuh
6	2, NFRC 0.25	Vinyl	0.36	W	30.0		14.4	432 Btuh
7	2, NFRC 0.25	Vinyl	0.36	S	60.0		14.4	864 Btuh
8	2, NFRC 0.25	Vinyl	0.36	N	60.0		14.4	864 Btuh
9	2, NFRC 0.25	Vinyl	0.36	W	30.0		14.4	432 Btuh
Window Total					347.3(sqft)			5002 Btuh
Walls	Type	Ornt.	Ueff.	R-Value (Cav/Sh)	Area	X	HTM=	Load
1	Frame - Wood	- Ext	(0.077)	19.0/0.0	357		3.09	1102 Btuh
2	Frame - Wood	- Ext	(0.077)	19.0/0.0	187		3.09	578 Btuh
3	Frame - Wood	- Ext	(0.077)	19.0/0.0	365		3.09	1128 Btuh
4	Frame - Wood	- Ext	(0.077)	19.0/0.0	186		3.09	575 Btuh
5	Frame - Wood	- Ext	(0.089)	13.0/0.0	340		3.55	1207 Btuh
6	Frame - Wood	- Ext	(0.089)	13.0/0.0	192		3.55	682 Btuh
7	Frame - Wood	- Ext	(0.089)	13.0/0.0	340		3.55	1207 Btuh
8	Frame - Wood	- Ext	(0.089)	13.0/0.0	162		3.55	575 Btuh
Wall Total					2129(sqft)			7055 Btuh
Doors	Type	Storm	Ueff.		Area	X	HTM=	Load
1	Insulated - Exterior, n		(0.460)		20		18.4	368 Btuh
2	Insulated - Exterior, n		(0.460)		20		18.4	368 Btuh
Door Total					40(sqft)			736Btuh
Ceilings	Type/Color/Surface		Ueff.	R-Value	Area	X	HTM=	Load
1	Vented Attic/L/Shing		(0.025)	38.0/0.0	1260		1.0	1279 Btuh
Ceiling Total					1260(sqft)			1279Btuh
Floors	Type		Ueff.	R-Value	Size	X	HTM=	Load
1	Stem/Crawlsp(Carpet)(v)		(0.049)	19.0/0.0	1200.0 sqft		1.5	1847 Btuh
2	Interior		(0.049)	0.0	1200.0 sqft		0.0	0 Btuh
Floor Total					2400 sqft			1847 Btuh
Envelope Subtotal:								15918 Btuh
Infiltration	Type	Wholehouse	ACH	Volume(cuft)	Wall Ratio	CFM=		
	Natural		0.22	20400	1.00	74.7		3272 Btuh
Duct load	Average sealed, R6.0, Supply(Att), Return(Att) (DLM of 0.364)							6990 Btuh



# Manual J Winter Calculations

## Residential Load - Component Details (continued)

Obie Lewis

Lake City, FL 32055

Project Title:  
Obie Lewis Residence  
Building Type: User

6/11/2019

<b>All Zones</b>	<b>Sensible Subtotal All Zones</b>	<b>26180 Btuh</b>
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### WHOLE HOUSE TOTALS

<b>Totals for Heating</b>	Subtotal Sensible Heat Loss Ventilation Sensible Heat Loss Total Heat Loss	26180 Btuh 0 Btuh 26180 Btuh
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### EQUIPMENT

1. Electric Heat Pump	#	26180 Btuh
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Key: Window types - NFRC (Requires U-Factor and Shading coefficient(SHGC) of glass as numerical values)  
or - Glass as 'Clear' or 'Tint' (Uses U-Factor and SHGC defaults)  
U - (Window U-Factor)  
HTM - (ManualJ Heat Transfer Multiplier)



Version 8

# System Sizing Calculations - Summer

## Residential Load - Whole House Component Details

Obie Lewis

Project Title:  
Obie Lewis Residence

Lake City, FL 32055

6/11/2019

Reference City: Gainesville, FL

Temperature Difference: 19.0F(TMY3 99%) Humidity difference: 51gr.

### Component Loads for Whole House

Window	Type*						Overhang		Window Area(sqft)			HTM		Load	
	Panes	SHGC	U	InSh	IS	Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	2 NFRC	0.25, 0.36	No	No	S	1.5ft.	10.0f	60.0	0.0	60.0	12	14	843	Btuh	
2	2 NFRC	0.25, 0.36	No	No	S	1.5ft.	10.0f	13.3	0.0	13.3	12	14	187	Btuh	
3	2 NFRC	0.25, 0.36	No	No	E	1.5ft.	10.0f	9.0	0.0	9.0	12	31	278	Btuh	
4	2 NFRC	0.25, 0.36	No	No	N	1.5ft.	10.0f	40.0	0.0	40.0	12	12	484	Btuh	
5	2 NFRC	0.25, 0.36	No	No	N	1.5ft.	10.0f	45.0	0.0	45.0	12	12	544	Btuh	
6	2 NFRC	0.25, 0.36	No	No	W	1.5ft.	10.0f	30.0	0.0	30.0	12	31	928	Btuh	
7	2 NFRC	0.25, 0.36	No	No	S	1.5ft.	0.5ft.	60.0	60.0	0.0	12	14	726	Btuh	
8	2 NFRC	0.25, 0.36	No	No	N	1.5ft.	0.5ft.	60.0	0.0	60.0	12	12	726	Btuh	
9	2 NFRC	0.25, 0.36	No	No	W	1.5ft.	0.5ft.	30.0	4.5	25.5	12	31	844	Btuh	
	Excursion													2	Btuh
	Window Total								347 (sqft)					5564 Btuh	
Walls	Type					U-Value	R-Value	Area(sqft)			HTM		Load		
							Cav/Sheath								
1	Frame - Wood - Ext					0.08	19.0/0.0	356.7			1.7		590 Btuh		
2	Frame - Wood - Ext					0.08	19.0/0.0	187.0			1.7		309 Btuh		
3	Frame - Wood - Ext					0.08	19.0/0.0	365.0			1.7		604 Btuh		
4	Frame - Wood - Ext					0.08	19.0/0.0	186.0			1.7		308 Btuh		
5	Frame - Wood - Ext					0.09	13.0/0.0	340.0			2.3		770 Btuh		
6	Frame - Wood - Ext					0.09	13.0/0.0	192.0			2.3		435 Btuh		
7	Frame - Wood - Ext					0.09	13.0/0.0	340.0			2.3		770 Btuh		
8	Frame - Wood - Ext					0.09	13.0/0.0	162.0			2.3		367 Btuh		
	Wall Total								2129 (sqft)					4150 Btuh	
Doors	Type					Area (sqft)			HTM		Load				
1	Insulated - Exterior					20.0			13.8		276 Btuh				
2	Insulated - Exterior					20.0			13.8		276 Btuh				
	Door Total						40 (sqft)					552 Btuh			
Ceilings	Type/Color/Surface					U-Value	R-Value	Area(sqft)			HTM		Load		
1	Vented Attic/Light/Shingle/RB					0.025	38.0/0.0	1260.0			0.86		1087 Btuh		
	Ceiling Total						1260 (sqft)					1087 Btuh			
Floors	Type					R-Value		Size			HTM		Load		
1	Stem/Crawlsp(Carpet)(v)					19.0		1200 (sqft)			0.7		883 Btuh		
2	Interior					0.0		1200 (sqft)			0.0		0 Btuh		
	Floor Total						2400.0 (sqft)					883 Btuh			
	Envelope Subtotal:												12236 Btuh		
Infiltration	Type					Average ACH		Volume(cuft)		Wall Ratio		CFM=		Load	
	Natural					0.16		20400		1		56.0		1166 Btuh	
Internal gain					Occupants		Btuh/occupant		Appliance		Load				
					8		X 230		+		1400		3240 Btuh		
	Sensible Envelope Load:												16642 Btuh		

# Manual J Summer Calculations

## Residential Load - Component Details (continued)

Obie Lewis

Project Title: Climate:FL\_GAINESVILLE\_REGIONAL\_A  
Obie Lewis Residence

Lake City, FL 32055

6/11/2019

### WHOLE HOUSE TOTALS

<b>Whole House Totals for Cooling</b>	<b>Sensible Envelope Load All Zones</b>	<b>16642 Btuh</b>
	Sensible Duct Load	5852 Btuh
	<b>Total Sensible Zone Loads</b>	<b>22494 Btuh</b>
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	<b>Total sensible gain</b>	<b>22494 Btuh</b>
	Latent infiltration gain (for 51 gr. humidity difference)	1934 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	1676 Btuh
	Latent occupant gain (8.0 people @ 200 Btuh per person)	1600 Btuh
	Latent other gain	0 Btuh
	<b>Latent total gain</b>	<b>5211 Btuh</b>
	<b>TOTAL GAIN</b>	<b>27705 Btuh</b>

### EQUIPMENT

1. Central Unit	#	27494 Btuh
-----------------	---	------------

\*Key: Window types (Panels - Number and type of panes of glass)

(SHGC - Shading coefficient of glass as SHGC numerical value)

(U - Window U-Factor)

(InSh - Interior shading device: none(No), Blinds(B), Draperies(D) or Roller Shades(R))

- For Blinds: Assume medium color, half closed

For Draperies: Assume medium weave, half closed

For Roller shades: Assume translucent, half closed

(IS - Insect screen: none(N), Full(F) or Half(½))

(Ornt - compass orientation)



Version 8

**FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION**

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name: Obie Lewis Residence  
 Street:  
 City, State, Zip: Lake City, FL, 32055  
 Owner: Obie Lewis  
 Design Location: FL, Gainesville

Builder Name: N/A  
 Permit Office: Columbia County  
 Permit Number:  
 Jurisdiction:  
 County: Columbia (Florida Climate Zone 2)

- |  |                  |
|--|------------------|
| 1. New construction or existing                          | New (From Plans) |
| 2. Single family or multiple family                      | Single-family    |
| 3. Number of units, if multiple family                   | 1                |
| 4. Number of Bedrooms                                    | 3                |
| 5. Is this a worst case?                                 | No               |
| 6. Conditioned floor area above grade (ft <sup>2</sup> ) | 2400             |
| Conditioned floor area below grade (ft <sup>2</sup> )    | 0                |

- |                          |             |                        |
|--------------------------|-------------|------------------------|
| 7. Windows (347.3 sqft.) | Description | Area                   |
| a. U-Factor:             | Dbl, U=0.36 | 347.33 ft <sup>2</sup> |
| SHGC:                    | SHGC=0.25   | ft <sup>2</sup>        |
| b. U-Factor:             | N/A         | ft <sup>2</sup>        |
| SHGC:                    |             | ft <sup>2</sup>        |
| c. U-Factor:             | N/A         | ft <sup>2</sup>        |
| SHGC:                    |             | ft <sup>2</sup>        |
| d. U-Factor:             | N/A         | ft <sup>2</sup>        |
| SHGC:                    |             | ft <sup>2</sup>        |

Area Weighted Average Overhang Depth:  
 Area Weighted Average SHGC:

- |                               |            |                         |
|-------------------------------|------------|-------------------------|
| 8. Floor Types (2400.0 sqft.) | Insulation | Area                    |
| a. Crawlspace                 | R=19.0     | 1200.00 ft <sup>2</sup> |
| b. Floor Over Other Space     | R=0.0      | 1200.00 ft <sup>2</sup> |
| c. N/A                        | R=         | ft <sup>2</sup>         |

- |  |            |                         |
|--|------------|-------------------------|
| 9. Wall Types (2516.0 sqft.)             | Insulation | Area                    |
| a. Frame - Wood, Exterior                | R=19.0     | 1332.00 ft <sup>2</sup> |
| b. Frame - Wood, Exterior                | R=13.0     | 1184.00 ft <sup>2</sup> |
| c. N/A                                   | R=         | ft <sup>2</sup>         |
| d. N/A                                   | R=         | ft <sup>2</sup>         |
| 10. Ceiling Types (1260.0 sqft.)         | Insulation | Area                    |
| a. Under Attic (Vented)                  | R=38.0     | 1260.00 ft <sup>2</sup> |
| b. N/A                                   | R=         | ft <sup>2</sup>         |
| c. N/A                                   | R=         | ft <sup>2</sup>         |
| 11. Ducts                                |            | R ft <sup>2</sup>       |
| a. Sup: Attic, Ret: Attic, AH: 1st Floor |            | 6 600                   |

- |                     |         |            |
|---------------------|---------|------------|
| 12. Cooling systems | kBtu/hr | Efficiency |
| a. Central Unit     | 27.5    | SEER:14.00 |

- |                       |         |            |
|-----------------------|---------|------------|
| 13. Heating systems   | kBtu/hr | Efficiency |
| a. Electric Heat Pump | 26.2    | HSPF:8.20  |

- |                       |  |                 |
|-----------------------|--|-----------------|
| 14. Hot water systems |  | Cap: 50 gallons |
| a. Electric           |  | EF: 0.920       |

- |                          |  |           |
|--------------------------|--|-----------|
| b. Conservation features |  | CV, Pstat |
| None                     |  |           |
| 15. Credits              |  |           |

Glass/Floor Area: 0.145

Total Proposed Modified Loads: 69.81

Total Baseline Loads: 70.89

**PASS**

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

PREPARED BY:   
 DATE: 06/11/2019

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

OWNER/AGENT:  
 DATE:

Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed this building will be inspected for compliance with Section 553.908 Florida Statutes.

BUILDING OFFICIAL:  
 DATE:



- Compliance requires certification by the air handler unit manufacturer that the air handler enclosure qualifies as certified factory-sealed in accordance with R403.3.2.1.
- Compliance requires an Air Barrier and Insulation Inspection Checklist in accordance with R402.4.1.1 and this project requires an envelope leakage test report with envelope leakage no greater than 5.00 ACH50 (R402.4.1.2).

## INPUT SUMMARY CHECKLIST REPORT

## PROJECT

Title:	Obie Lewis Residence	Bedrooms:	3	Address Type:	Street Address
Building Type:	User	Conditioned Area:	2400	Lot #	
Owner Name:	Obie Lewis	Total Stories:	2	Block/Subdivision:	
# of Units:	1	Worst Case:	No	PlatBook:	
Builder Name:	N/A	Rotate Angle:	0	Street:	
Permit Office:	Columbia County	Cross Ventilation:	Yes	County:	Columbia
Jurisdiction:		Whole House Fan:	No	City, State, Zip:	Lake City , FL , 32055
Family Type:	Single-family				
New/Existing:	New (From Plans)				
Comment:					

## CLIMATE

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

## BLOCKS

Number	Name	Area	Volume
1	Block1	2400	20400

## SPACES

Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Infil ID	Finished	Cooled	Heated
1	1st Floor	1200	10800	Yes	4	0	1	Yes	Yes	Yes
2	2nd Floor	1200	9600	No	4	3	1	Yes	Yes	Yes

## FLOORS

✓	#	Floor Type	Space	Perimeter	Perimeter R-Value	Area	Joist R-Value	Tile	Wood	Carpet
_____	1	Crawlspace	1st Floor	148 ft	0	1200 ft²	19	0	0	1
_____	2	Floor Over Other Space	2nd Floor	----	----	1200 ft²	0	0	0	1

## ROOF

✓	#	Type	Materials	Roof Area	Gable Area	Roof Color	Rad Barr	Solar Absor.	SA Tested	Emitt	Emitt Tested	Deck Insul.	Pitch (deg)
_____	1	Gable or shed	Composition shingles	1390 ft²	350 ft²	Medium	Y	0.96	No	0.9	No	0	30.3

## ATTIC

✓	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
_____	1	Full attic	Vented	300	1200 ft²	Y	N



## INPUT SUMMARY CHECKLIST REPORT

## CEILING

✓	#	Ceiling Type	Space	R-Value	Ins Type	Area	Framing Frac	Truss Type
✓	1	Under Attic (Vented)	1st Floor	38	Double Batt	1260 ft²	0.11	Wood

## WALLS

✓	#	Ornt	Adjacent To	Wall Type	Space	Cavity R-Value	Width Ft	In	Height Ft	In	Area	Sheathing R-Value	Framing Fraction	Solar Absor	Below Grade%
✓	1	S	Exterior	Frame - Wood	1st Floor	19	50		9		450.0 ft²		0.23	0.75	0
✓	2	E	Exterior	Frame - Wood	1st Floor	19	24		9		216.0 ft²		0.23	0.75	0
✓	3	N	Exterior	Frame - Wood	1st Floor	19	50		9		450.0 ft²		0.23	0.75	0
✓	4	W	Exterior	Frame - Wood	1st Floor	19	24		9		216.0 ft²		0.23	0.75	0
✓	5	S	Exterior	Frame - Wood	2nd Floor	13	50		8		400.0 ft²		0.23	0.75	0
✓	6	E	Exterior	Frame - Wood	2nd Floor	13	24		8		192.0 ft²		0.23	0.75	0
✓	7	N	Exterior	Frame - Wood	2nd Floor	13	50		8		400.0 ft²		0.23	0.75	0
✓	8	W	Exterior	Frame - Wood	2nd Floor	13	24		8		192.0 ft²		0.23	0.75	0

## DOORS

✓	#	Ornt	Door Type	Space	Storms	U-Value	Width Ft	In	Height Ft	In	Area
✓	1	S	Insulated	1st Floor	None	.46	3		6	8	20 ft²
✓	2	E	Insulated	1st Floor	None	.46	3		6	8	20 ft²

## WINDOWS

Orientation shown is the entered, Proposed orientation.

✓	#	Ornt	Wall ID	Frame	Panes	NFRC	U-Factor	SHGC	Imp	Area	Overhang Depth	Separation	Int Shade	Screening
✓	1	S	1	Vinyl	Low-E Double	Yes	0.36	0.25	N	60.0 ft²	1 ft 6 in	10 ft 0 in	None	None
✓	2	S	1	Vinyl	Low-E Double	Yes	0.36	0.25	N	13.3 ft²	1 ft 6 in	10 ft 0 in	None	None
✓	3	E	2	Vinyl	Low-E Double	Yes	0.36	0.25	N	9.0 ft²	1 ft 6 in	10 ft 0 in	None	None
✓	4	N	3	Vinyl	Low-E Double	Yes	0.36	0.25	N	40.0 ft²	1 ft 6 in	10 ft 0 in	None	None
✓	5	N	3	Vinyl	Low-E Double	Yes	0.36	0.25	N	45.0 ft²	1 ft 6 in	10 ft 0 in	None	None
✓	6	W	4	Vinyl	Low-E Double	Yes	0.36	0.25	N	30.0 ft²	1 ft 6 in	10 ft 0 in	None	None
✓	7	S	5	Vinyl	Low-E Double	Yes	0.36	0.25	N	60.0 ft²	1 ft 6 in	0 ft 6 in	None	None
✓	8	N	7	Vinyl	Low-E Double	Yes	0.36	0.25	N	60.0 ft²	1 ft 6 in	0 ft 6 in	None	None
✓	9	W	8	Vinyl	Low-E Double	Yes	0.36	0.25	N	30.0 ft²	1 ft 6 in	0 ft 6 in	None	None

## INFILTRATION

#	Scope	Method	SLA	CFM 50	ELA	EqLA	ACH	ACH 50
1	Wholehouse	Proposed ACH(50)	.00027	1700	93.33	175.52	.1374	5

## INPUT SUMMARY CHECKLIST REPORT

## HEATING SYSTEM

<input checked="" type="checkbox"/>	#	System Type	Subtype	Efficiency	Capacity	Block	Ducts
<input type="checkbox"/>	1	Electric Heat Pump/	None	HSPF:8.2	26.18 kBtu/hr	1	sys#1

## COOLING SYSTEM

<input checked="" type="checkbox"/>	#	System Type	Subtype	Efficiency	Capacity	Air Flow	SHR	Block	Ducts
<input type="checkbox"/>	1	Central Unit/	None	SEER: 14	27.49 kBtu/hr	810 cfm	0.7	1	sys#1

## HOT WATER SYSTEM

<input checked="" type="checkbox"/>	#	System Type	SubType	Location	EF	Cap	Use	SetPnt	Conservation
<input type="checkbox"/>	1	Electric	None	1st Floor	0.92	50 gal	40 gal	120 deg	None

## SOLAR HOT WATER SYSTEM

<input checked="" type="checkbox"/>	FSEC Cert #	Company Name	System Model #	Collector Model #	Collector Area	Storage Volume	FEF
<input type="checkbox"/>	None	None			ft <sup>2</sup>		

## DUCTS

<input checked="" type="checkbox"/>	#	--- Supply --- Location	R-Value	Area	--- Return --- Location	Area	LeakageType	Air Handler	CFM 25 TOT	CFM25 OUT	QN	RLF	HVAC # Heat Cool
<input type="checkbox"/>	1	Attic	6	600 ft <sup>2</sup>	Attic	120 ft <sup>2</sup>	Default Leakage	1st Floor	(Default) c	(Default) c			1 1

## TEMPERATURES

Programable Thermostat: Y

Ceiling Fans:

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

Thermostat Schedule: HERS 2006 Reference

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

## MASS

Mass Type	Area	Thickness	Furniture Fraction	Space
Default(8 lbs/sq.ft.)	0 ft <sup>2</sup>	0 ft	0.3	Main

**ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD****ESTIMATED ENERGY PERFORMANCE INDEX\* =98****The lower the Energy Performance Index, the more efficient the home.**

1. New home or, addition	1. <u>New (From Plans)</u>	12. Ducts, location & insulation level	
2. Single-family or multiple-family	2. <u>Single-family</u>	a) Supply ducts	R <u>6.0</u>
3. No. of units (if multiple-family)	3. <u>1</u>	b) Return ducts	R <u>6.0</u>
4. Number of bedrooms	4. <u>3</u>	c) AHU location	<u>1st Floor</u>
5. Is this a worst case? (yes/no)	5. <u>No</u>	13. Cooling system:	Capacity <u>27.5</u>
6. Conditioned floor area (sq. ft.)	6. <u>2400</u>	a) Split system	SEER <u>          </u>
7. Windows, type and area		b) Single package	SEER <u>          </u>
a) U-factor:(weighted average)	7a. <u>0.360</u>	c) Ground/water source	SEER/COP <u>          </u>
b) Solar Heat Gain Coefficient (SHGC)	7b. <u>0.250</u>	d) Room unit/PTAC	EER <u>          </u>
c) Area	7c. <u>347.3</u>	e) Other	<u>14.0</u>
8. Skylights		14. Heating system:	Capacity <u>26.2</u>
a) U-factor:(weighted average)	8a. <u>NA</u>	a) Split system heat pump	HSPF <u>          </u>
b) Solar Heat Gain Coefficient (SHGC)	8b. <u>NA</u>	b) Single package heat pump	HSPF <u>          </u>
9. Floor type, insulation level:		c) Electric resistance	COP <u>          </u>
a) Slab-on-grade (R-value)	9a. <u>          </u>	d) Gas furnace, natural gas	AFUE <u>          </u>
b) Wood, raised (R-value)	9b. <u>19.0</u>	e) Gas furnace, LPG	AFUE <u>          </u>
c) Concrete, raised (R-value)	9c. <u>          </u>	f) Other	<u>8.20</u>
10. Wall type and insulation:		15. Water heating system	
A. Exterior:		a) Electric resistance	EF <u>0.92</u>
1. Wood frame (Insulation R-value)	10A1. <u>varies</u>	b) Gas fired, natural gas	EF <u>          </u>
2. Masonry (Insulation R-value)	10A2. <u>          </u>	c) Gas fired, LPG	EF <u>          </u>
B. Adjacent:		d) Solar system with tank	EF <u>          </u>
1. Wood frame (Insulation R-value)	10B1. <u>          </u>	e) Dedicated heat pump with tank	EF <u>          </u>
2. Masonry (Insulation R-value)	10B2. <u>          </u>	f) Heat recovery unit	HeatRec% <u>          </u>
11. Ceiling type and insulation level		g) Other	
a) Under attic	11a. <u>38.0</u>	16. HVAC credits claimed (Performance Method)	
b) Single assembly	11b. <u>          </u>	a) Ceiling fans	<u>          </u>
c) Knee walls/skylight walls	11c. <u>          </u>	b) Cross ventilation	<u>Yes</u>
d) Radiant barrier installed	11d. <u>Yes</u>	c) Whole house fan	<u>No</u>
		d) Multizone cooling credit	<u>          </u>
		e) Multizone heating credit	<u>          </u>
		f) Programmable thermostat	<u>Yes</u>

\*Label required by Section R303.1.3 of the Florida Building Code, Energy Conservation, if not DEFAULT.

I certify that this home has complied with the Florida Building Code, Energy Conservation, 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: Lake City, FL 32055

# Envelope Leakage Test Report (Blower Door Test)

## Residential Prescriptive, Performance or ERI Method Compliance

### 2017 Florida Building Code, Energy Conservation, 6th Edition

Jurisdiction:

Permit #:

#### Job Information

Builder: N/A

Community:

Lot: NA

Address:

City: Lake City

State: FL

Zip: 32055

#### Air Leakage Test Results

*Passing results must meet either the Performance, Prescriptive, or ERI Method*

☐ **PRESCRIPTIVE METHOD**-The building or dwelling unit shall be tested and verified as having an air leakage rate of not exceeding 7 air changes per hour at a pressure of 0.2 inch w.g. (50 Pascals) in Climate Zones 1 and 2.

☐ **PERFORMANCE or ERI METHOD**-The building or dwelling unit shall be tested and verified as having an air leakage rate of not exceeding the selected ACH(50) value, as shown on Form R405-2017 (Performance) or R406-2017 (ERI), section labeled as infiltration, sub-section ACH50.  
ACH(50) specified on Form R405-2017-Energy Calc (Performance) or R406-2017 (ERI): 5.000

$$\frac{\text{CFM}(50)}{\text{Building Volume}} \times 60 \div \frac{20400}{\text{ACH}(50)} = \text{PASS}$$



**PASS**

☐ When ACH(50) is less than 3, Mechanical Ventilation installation must be verified by building department.

Method for calculating building volume:

☐ Retrieved from architectural plans

☒ Code software calculated

☐ Field measured and calculated

**R402.4.1.2 Testing.** Testing shall be conducted in accordance with ANSI/RESNET/ICC 380 and reported at a pressure of 0.2 inch w.g. (50 Pascals). Testing shall be conducted by either individuals as defined in Section 553.993(5) or (7) *Florida Statutes* or individuals licensed as set forth in Section 489.105(3)(f), (g), or (i) or an approved third party. A written report of the results of the test shall be signed by the party conducting the test and provided to the *code official*. Testing shall be performed at any time after creation of all penetrations of the *building thermal envelope*.

During testing:

1. Exterior windows and doors, fireplace and stove doors shall be closed, but not sealed, beyond the intended weatherstripping or other infiltration control measures.
2. Dampers including exhaust, intake, makeup air, back draft and flue dampers shall be closed, but not sealed beyond intended infiltration control measures.
3. Interior doors, if installed at the time of the test, shall be open.
4. Exterior doors for continuous ventilation systems and heat recovery ventilators shall be closed and sealed.
5. Heating and cooling systems, if installed at the time of the test, shall be turned off.
6. Supply and return registers, if installed at the time of the test, shall be fully open.

#### Testing Company

Company Name: \_\_\_\_\_ Phone: \_\_\_\_\_

I hereby verify that the above Air Leakage results are in accordance with the 2017 6th Edition Florida Building Code Energy Conservation requirements according to the compliance method selected above.

Signature of Tester: \_\_\_\_\_ Date of Test: \_\_\_\_\_

Printed Name of Tester: \_\_\_\_\_

License/Certification #: \_\_\_\_\_ Issuing Authority: \_\_\_\_\_