

3/133
59. ft 2nd floor
shown unheated

Columbia County New Building Permit Application

For Office Use Only Application # 1801-07 Date Received 3-29-18 By W Permit # 36535
Zoning Official LC Date 3-29-18 Flood Zone X Land Use A Zoning A3
FEMA Map # _____ Elevation _____ MFE 1' above River _____ Plans Examiner T.C. Date 3-28-18
Comments _____
☐ NOC ☒ EH ☒ Deed or PA ☒ Site Plan ☐ State Road Info ☒ Well letter ☒ 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. 18-0609 OR City Water ☐ Fax _____
Applicant (Who will sign/pickup the permit) Michelle Richards Phone 386 2082447
Address 162 SW Pinemount Rd Lake City, FL 32024
Owners Name Michelle Richards Phone 386 2082447
911 Address 507 SW Suwannee Downs Dr Lake City FL 32024
Contractors Name Tony Richards Phone 386 8670867
Address 162 SW Pinemount Rd Lake City, FL 32024
Contractor Email fiercefuels@gmail.com ***Include to get updates on this job.

Fee Simple Owner Name & Address _____
Bonding Co. Name & Address _____
Architect/Engineer Name & Address _____
Mortgage Lenders Name & Address _____

Circle the correct power company ☒ FL Power & Light ☐ Clay Elec. ☐ Suwannee Valley Elec. ☐ Duke Energy
Property ID Number 32-35-16-02431-106 Estimated Construction Cost 75,000.00
Subdivision Name Suwannee River Downs S/O Lot 6 Block _____ Unit _____ Phase 2112

Driving Directions from a Major Road
Hwy 90 West to Birley Road (left). Birley Rd to Suwannee Downs. First driveway to Right.

Construction of Residence Commercial OR ☒ Residential
Proposed Use/Occupancy Home Number of Existing Dwellings on Property 0

Is the Building Fire Sprinkled? _____ If Yes, blueprints included _____ Or Explain _____
Circle Proposed ☐ Culvert Permit or ☐ Culvert Waiver or ☐ D.O.T. Permit or ☒ Private Have an Existing Drive

Actual Distance of Structure from Property Lines - Front 100' Side 110' Side 180' Rear 40'
Number of Stories 2 Heated Floor Area 4722 Total Floor Area 7855 Acreage 5.05

Zoning Applications applied for (Site & Development Plan, Special Exception, etc.)
TC advised Tony 4.5.18. (EN) needed (Troy Make Sure of Square footages)
\$2609.50 Page 1 of 2 (Both Pages must be submitted together.) Revised 7-1-15
OK 1st msg 4.5.18

Columbia County Building Permit Application

CODE: Florida Building Code 2014 and the 2011 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.

Michelle Richards
Print Owners Name

Michelle Richards
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)

SUBCONTRACTOR VERIFICATION

APPLICATION/PERMIT # 1801 - 07 JOB NAME Michelle Richards

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.

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

This instrument prepared by:
Sandra K Haas
10724 184th st
McAlpin, FL 32024

Inst: 201612008935 Date: 5/27/2016 Time: 4:40 PM
Doc Stamp-Deed: 0.70
DC, P. DeWitt Cason, Columbia County Page 1 of 2 B: 1315 P: 2205

WARRANTY DEED
Individual to Individual

This Warranty Deed made this 27th day of May, 2016 by

TONY D. RICHARDS

Herein called the Grantor to

MICHELLE H. RICHARDS

Who post office address is 215 SW Phillips Circle, Lake City, FL 32024, hereinafter call the
Grantee

(Whereas used herein the terms "Grantor" and "Grantee" include all the parties to this instrument in the heirs, legal representation and assigns
of individuals, and the successor sand assigns of Corporations)

The Grantor, for and in consideration of the sum of \$10.00 and other valuable considerations,
receipt whereof is hereby acknowledged, hereby grants, bargains, sells, unto the Grantt all the
certain land, situated in Columbia County, Florida, viz: TAX ID 32-3S-16-02431-106 :

**LOT 6 OF SUWANNEE RIVER DOWNS, a subdivision according to the plat thereof recorded in
Plat Book 5, Page 91-91A of the Public Records of Columbia County, FL.**

Together with all tenants, hereditaments, and appurtenances thereto belonging or in anyways
appertaining.

To have and to hold, the same in fee simple forever.

And the Grantor hereby con enacts with said Grantee that the Grantor is Lawfully seized of said
land in fee simple; a that the Grantor has good right and lawful authority to sell and convey said
lan, and hereby warrants the title of said land and will defend the same against the lawful slams
of all persons, whomsoever, and that said land is free of all encumbrances except taxes
accruing subsequent to December 31, 2015.

In witness whereof, the said Grantor has signed and sealed these presents the day and year first above written.

WITNESS James C. Calhoun
Printed name: JAMES C. Calhoun II
WITNESS Blake Africano
Printed name: Blake Africano

Tony D. Richards
TONY D. RICHARDS

I hereby certify that on this 27th day do May, 2016, before me, an officer duly authorized to administer oaths and take acknowledgment so, personally appeared Tony Richards who is personally known to me or produced, FL Drivers License # [REDACTED]-298-0 for identification, and known to me to be the person described in a nod who executed the foregoing instrument, who acknowledged before me that he/she/they executed the same, and an oath was not taken.



KATRINA M. VERCHER
MY COMMISSION # FF 098705
EXPIRES: March 5, 2018
Bonded Thru Budget Notary Services

Katrina M. Vercher
NOTARY PUBLIC
My Commission Expires: _____



STATE OF FLORIDA, COUNTY OF COLUMBIA
I HEREBY CERTIFY, that the above and foregoing
is a true copy of the original filed in this office.
DeWitt
PRK OF COURTS
Date 5-3-2018



COLUMBIA COUNTY

911 ADDRESSING / GIS DEPARTMENT

263 NW Lake City Ave., Lake City, FL 32055

Telephone: (386) 758-1125 x 1 * Fax: (386) 758-1365 * Email: gis@columbiacountyfla.com



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:	7/7/2017 4:23:04 PM
Address:	507 SW SUWANNEE DOWNS Dr
City:	LAKE CITY
State:	FL
Zip Code	32024
Parcel ID	02431-106

REMARKS: Address for proposed structure on parcel.

Address Issued By: Signed:/ Ronal N. Croft

Columbia County GIS/911 Addressing Department

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.

Michelle Rietman

SITE PLAN CHECKLIST

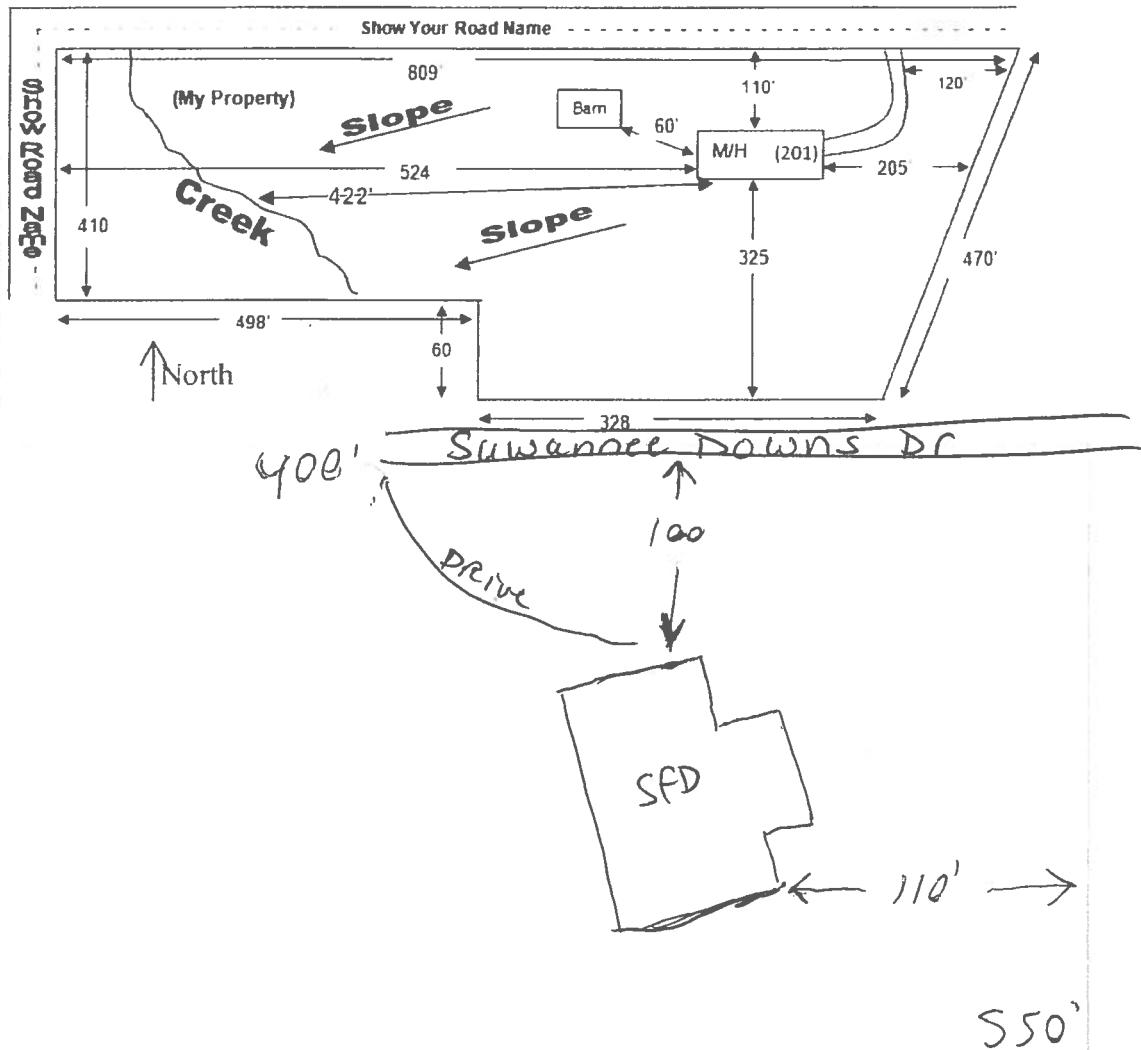
- ___ 1) Property Dimensions
- ___ 2) Footprint of proposed and existing structures (including decks), label these with existing addresses
- ___ 3) Distance from structures to all property lines
- ___ 4) Location and size of easements
- ___ 5) Driveway path and distance at the entrance to the nearest property line
- ___ 6) Location and distance from any waters; sink holes; wetlands; and etc.
- ___ 7) Show slopes and or drainage paths
- ___ 8) Arrow showing North direction

SITE PLAN EXAMPLE

Revised 7/1/15

NOTE:

This site plan can be copied and used with the 911 Addressing Dept. application forms.



5.05 AC

Columbia County Property Appraiser

updated: 12/6/2017

2017 Tax Year

Tax Collector Tax Estimator Property Card

Parcel List Generator

Parcel: 32-3S-16-02431-106

<< Next Lower Parcel Next Higher Parcel >>

2017 TRIM (pdf)

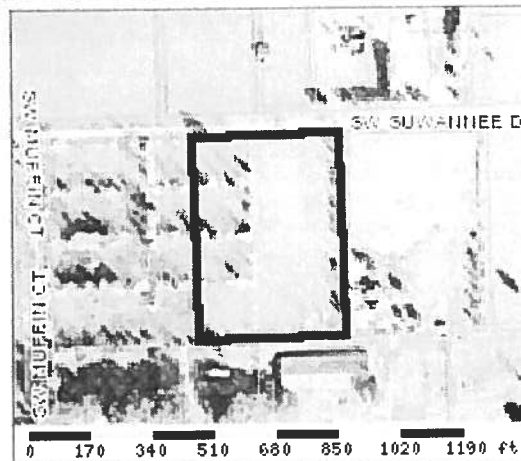
Interactive GIS Map

Print

Owner & Property Info

Search Result: 1 of 1

Owner's Name	RICHARDS MICHELLE H		
Mailing Address	215 SW PHILLIPS CIRCLE LAKE CITY, FL 32024		
Site Address	507 SW SUWANNEE DOWNS DR		
Use Desc. (code)	NO AG ACRE (009900)		
Tax District	3 (County)	Neighborhood	32316
Land Area	5.050 ACRES	Market Area	01
Description	NOTE: This description is not to be used as the Legal Description for this parcel in any legal transaction		
LOTS 6 SUWANNEE RIVER DOWNS S/D. ORB 629-735, 750-416, 807-74, 908-860, QC 1217-999, QC 1239-2094, QC 1278-1487, WD 1282-1579, WD 1302-167, WD 1315-2205			



Property & Assessment Values

2017 Certified Values		
Mkt Land Value	cnt: (0)	\$28,403.00
Ag Land Value	cnt: (1)	\$0.00
Building Value	cnt: (0)	\$0.00
XFOB Value	cnt: (0)	\$0.00
Total Appraised Value		\$28,403.00
Just Value		\$28,403.00
Class Value		\$0.00
Assessed Value		\$28,403.00
Exempt Value		\$0.00
Total Taxable Value	Cnty: \$28,403 Other: \$28,403 Schl: \$28,403	

2018 Working Values (...Hide Values)		
Mkt Land Value	cnt: (0)	\$31,243.00
Ag Land Value	cnt: (1)	\$0.00
Building Value	cnt: (0)	\$0.00
XFOB Value	cnt: (0)	\$0.00
Total Appraised Value		\$31,243.00
Just Value		\$31,243.00
Class Value		\$0.00
Assessed Value		\$31,243.00
Exempt Value		\$0.00
Total Taxable Value	Cnty: \$31,243 Other: \$31,243 Schl: \$31,243	

NOTE: 2018 Working Values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.

Sales History

Show Similar Sales w within 1/2 mile

Sale Date	OR Book/Page	OR Code	Vacant / Improved	Qualified Sale	Sale RCode	Sale Price
5/27/2016	1315/2205	WD	V	U	30	\$100.00
10/1/2015	1302/167	WD	V	Q	01	\$35,000.00
10/3/2014	1282/1579	WD	V	Q	01	\$37,500.00
7/29/2014	1278/1487	QC	V	U	30	\$100.00
7/29/2012	1239/2094	QC	V	U	11	\$100.00
6/10/2011	1217/999	QC	V	U	11	\$100.00
8/3/2000	908/860	WD	V	Q		\$75,000.00
6/12/1995	807/74	WD	V	U	12	\$65,000.00

Building Characteristics



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:

507 SW Suwannee Downs Dr Lelae City FL 32024.

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 Michelle Richards, 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.

 Date 1-3-18
Owner Builder Signature

NOTARY OF OWNER BUILDER SIGNATURE

The above signer is personally known to me or produced identification _____

Notary Signature  Date 1-3-18 (Seal)

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 

A&B Well Drilling, Inc.

5873 NW Lake Jeffery Road
Lake City, FL 32055
Telephone: (386) 758-3409
Cell: (386) 823-3151
Fax: (386) 758-3410
Owner: Bruce Park

January 3, 2018

To: Columbia County Building Department

Description of Well to be installed for Customer _____ Tony Richards _____

Located @ Address: _____ 507 SW Suwannee Downs Dr _____

1.5 HP 20 GPM submersible pump, 1 1/4" drop pipe, 85 gallon captive tank, and backflow prevention.
With SRWMD permit.

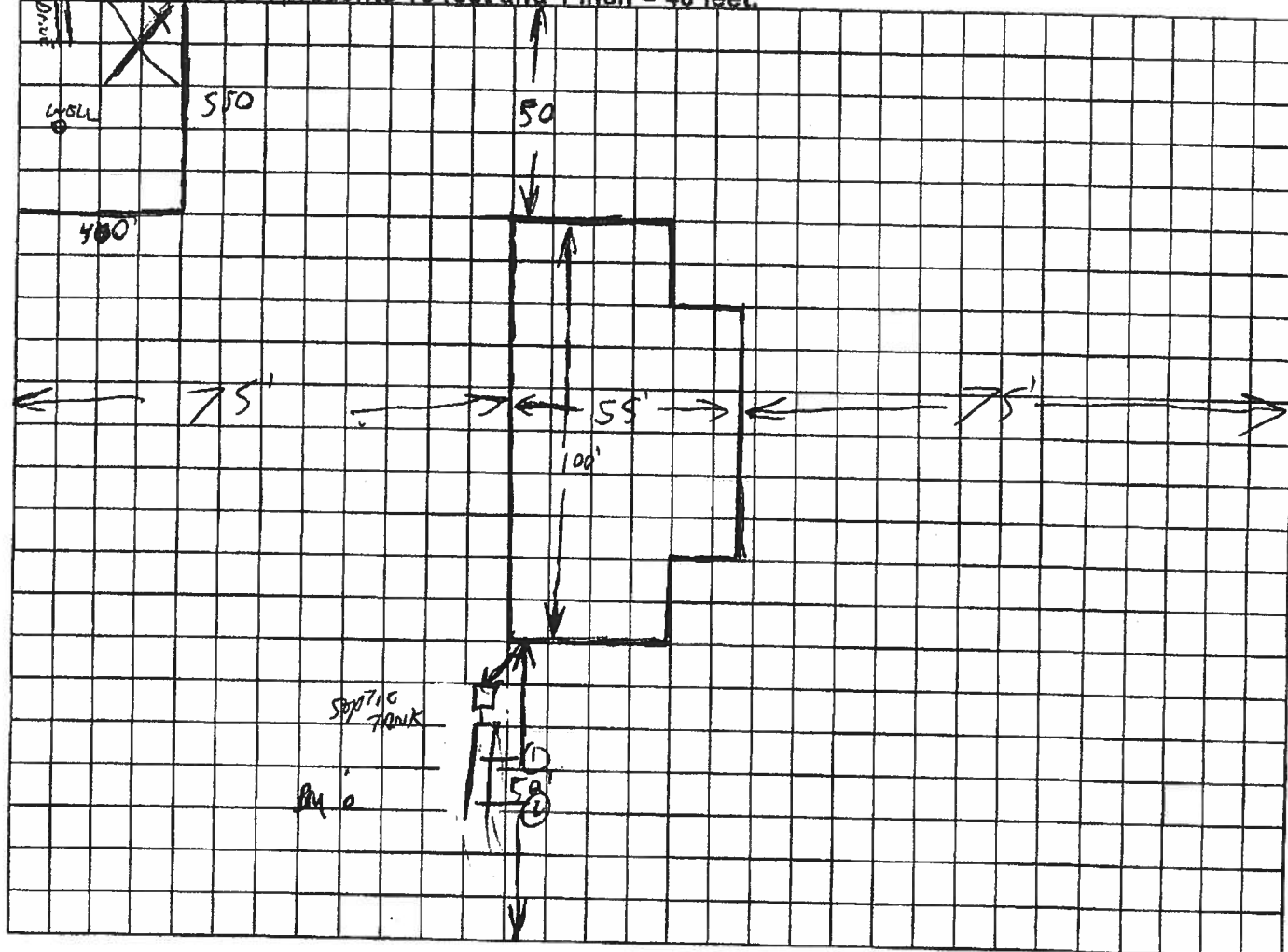
Bruce Park
Sincerely,
Bruce N. Park
President

STATE OF FLORIDA
DEPARTMENT OF HEALTH
APPLICATION FOR CONSTRUCTION PERMIT

Permit Application Number 28-0009

-----PART II - SITEPLAN-----

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



Notes:

Site Plan submitted by:

Plan Approved

Not Approved

Date 4/5/18

By [Signature] Calvin County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

SS0004809283



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

PERMIT NO. 18-0000
DATE PAID: 11/1/18
FEE PAID: 725.80
RECEIPT #: 1322514

APPLICATION FOR:

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

APPLICANT: Michelle RichardsAGENT: Tony RichardsTELEPHONE: 386867086MAILING ADDRESS: 162 SW Pinemount Rd Lake City, FL 32024

TO BE COMPLETED BY APPLICANT OR APPLICANT'S AUTHORIZED AGENT. SYSTEMS MUST BE CONSTRUCTED BY A PERSON LICENSED PURSUANT TO 489.105(3)(m) 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: 6 BLOCK: _____ SUBDIVISION: Suwannee River Downs PLATTED: 1987

PROPERTY ID #: 32-3S-16-02431-106 ZONING: _____ I/M OR EQUIVALENT: ☒ Y ☐ N

PROPERTY SIZE: 5.05 ACRES WATER SUPPLY: ☒ PRIVATE PUBLIC ☐ ≤ 2000 GPD ☐ > 2000 GPD

IS SEWER AVAILABLE AS PER 381.0065, FS? ☒ Y ☐ N DISTANCE TO SEWER: _____ FT

PROPERTY ADDRESS: 507 SW Suwannee Downs DR, Lake City, FL 32024

DIRECTIONS TO PROPERTY: Take West Hwy 90 to Birley Rd (left).
Take Birley Rd to Suwannee Downs (left). Go
into the Subdivision, 1st driveway on right.

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	Residence Home	3	5600	
2				
3				
4				

☐ Floor/Equipment Drains ☐ Other (Specify) _____

SIGNATURE: Michelle RichardsDATE: 1/3/18

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

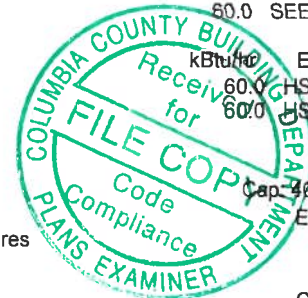
Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name: Richards
 Street:
 City, State, Zip: Lake City, FL, 32024
 Owner:
 Design Location: FL, Gainesville

Builder Name: Owner
 Permit Office:
 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	4
5. Is this a worst case?	No
6. Conditioned floor area above grade (ft ²)	7855
Conditioned floor area below grade (ft ²)	0
7. Windows (910.0 sqft.)	Description Area
a. U-Factor:	Dbl, U=0.33 910.00 ft ²
SHGC:	SHGC=0.22
b. U-Factor:	N/A ft ²
SHGC:	
c. U-Factor:	N/A ft ²
SHGC:	
d. U-Factor:	N/A ft ²
SHGC:	
Area Weighted Average Overhang Depth:	1.500 ft.
Area Weighted Average SHGC:	0.220
8. Floor Types (7855.0 sqft.)	Insulation Area
a. Slab-On-Grade Edge Insulation	R=0.0 4722.00 ft ²
b. Floor Over Other Space	R=19.0 3133.00 ft ²
c. N/A	R= ft ²

9. Wall Types (5600.0 sqft.)	Insulation Area
a. Concrete Block - Int Insul, Exterior	R=13.0 3440.00 ft ²
b. Frame - Steel, Exterior	R=13.0 1760.00 ft ²
c. Frame - Wood, Exterior	R=13.0 400.00 ft ²
d. N/A	R= ft ²
10. Ceiling Types (7855.0 sqft.)	Insulation Area
a. Roof Deck (Vented)	R=38.0 7855.00 ft ²
b. N/A	R= ft ²
c. N/A	R= ft ²
11. Ducts	R ft ²
a. Sup: Main, Ret: Main, AH: Main	8 785.5
b. Sup: 2nd Floor, Ret: 2nd Floor, AH: Main	8 785.5
12. Cooling systems	kBtu/hr Efficiency
a. Central Unit	60.0 SEER:18.00
b. Central Unit	60.0 SEER:18.00
13. Heating systems	kBtu/hr Efficiency
a. Electric Heat Pump	60.0 HSPF:8.50
b. Electric Heat Pump	60.0 HSPF:8.50
14. Hot water systems	Cap: 40 gallons EF: 0.920
a. Electric	
b. Conservation features	None
15. Credits	CF, Pstat



Glass/Floor Area: 0.116

Total Proposed Modified Loads: 121.98

Total Baseline Loads: 184.07

PASS

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

PREPARED BY: 

DATE: 12-8-17

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 R403.2.2.1.
- Compliance requires an Air Barrier and Insulation Inspection Checklist in accordance with R402.4.1.1 and starting July 1, 2017 this project requires an envelope leakage test report with envelope leakage no greater than 5.0 ACH50 (R402.4.1.2).
- Compliance with a proposed duct leakage Qn requires a Duct Leakage Test Report confirming duct leakage to outdoors, tested in accordance with Section 803 of RESNET Standards, is not greater than 0.030 Qn for whole house.

PROJECT

Title:	Richards	Bedrooms:	4	Address Type:	Street Address
Building Type:	User	Conditioned Area:	1980	Lot #	
Owner:		Total Stories:	2	Block/SubDivision:	
# of Units:	1	Worst Case:	No	PlatBook:	
Builder Name:	Owner	Rotate Angle:	0	Street:	
Permit Office:		Cross Ventilation:		County:	columbia
Jurisdiction:		Whole House Fan:		City, State, Zip:	Lake City , FL , 32024
Family Type:	Single-family				
New/Existing:	New (From Plans)				
Comment:					

CLIMATE

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

BLOCKS

Number	Name	Area	Volume
1	Block1	4722	47220
2	Block2	3133	25064

SPACES

Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Infil ID	Finished	Cooled	Heated
1	Main	4722	47220	Yes	6	4	1	Yes	Yes	Yes
2	2nd Floor	3133	25064	No	0	0	1	Yes	Yes	Yes

FLOORS

✓	#	Floor Type	Space	Perimeter	Perimeter R-Value	Area	Joist R-Value	Tile	Wood	Carpet
_____	1	Slab-On-Grade Edge Insulatio	Main	302 ft	0	4722 ft²	----	0.33	0.33	0.34
_____	2	Floor Over Other Space	2nd Floor	----	----	3133 ft²	19	0.33	0.33	0.34

ROOF

✓	#	Type	Materials	Roof Area	Gable Area	Roof Color	Solar Absor.	SA Tested	Emitt	Emitt Tested	Deck Insul.	Pitch (deg)
_____	1	Gable or shed	Metal	4867 ft²	588 ft²	White	0.3	No	0.9	No	38	14

ATTIC

✓	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
_____	1	No attic	Unvented	0	4722 ft²	N	N

CEILING

✓	#	Ceiling Type	Space	R-Value	Ins Type	Area	Framing Frac	Truss Type
✓	1	Under Attic (Unvented)	Main	0	Blown	4722 ft²	0.11	Wood
✓	2	Under Attic (Unvented)	2nd Floor	0	Blown	3133 ft²	0.11	Wood

WALLS

✓	#	Omt	Adj To	Wall Type	Space	Cavity R-Value	Width Ft In	Height Ft In	Area	Sheathing R-Value	Framing Fraction	Solar Absor.	Below Grade%
✓	1	N	Exterior	Concrete Block - Int Insul	Main	13	100	10	1000.0 ft²		0	0.75	0
✓	2	E	Exterior	Frame - Wood	Main	13	40	10	400.0 ft²		0.23	0.75	0
✓	3	S	Exterior	Concrete Block - Int Insul	Main	13	20	10	200.0 ft²		0	0.75	0
✓	4	E	Exterior	Concrete Block - Int Insul	Main	13	11	20	220.0 ft²		0	0.75	0
✓	5	S	Exterior	Concrete Block - Int Insul	Main	13	60	20	1200.0 ft²		0	0.75	0
✓	6	W	Exterior	Concrete Block - Int Insul	Main	13	11	20	220.0 ft²		0	0.75	0
✓	7	S	Exterior	Concrete Block - Int Insul	Main	13	20	10	200.0 ft²		0	0.75	0
✓	8	W	Exterior	Concrete Block - Int Insul	Main	13	40	10	400.0 ft²		0	0.75	0
✓	9	N	Exterior	Frame - Steel	2nd Floor	13	100	8	800.0 ft²		0.23	0.75	0
✓	10	E	Exterior	Frame - Steel	2nd Floor	13	40	8	320.0 ft²		0.23	0.75	0
✓	11	S	Exterior	Frame - Steel	2nd Floor	13	20	8	160.0 ft²		0.23	0.75	0
✓	12	S	Exterior	Frame - Steel	2nd Floor	13	20	8	160.0 ft²		0.23	0.75	0
✓	13	W	Exterior	Frame - Steel	2nd Floor	13	40	8	320.0 ft²		0.23	0.75	0

DOORS

✓	#	Omt	Door Type	Space	Storms	U-Value	Width Ft In	Height Ft In	Area
✓	1	N	Insulated	Main	None	.4	3	6	20 ft²
✓	2	N	Insulated	Main	None	.4	3	6	20 ft²
✓	3	E	Insulated	Main	None	.4	6	6	40 ft²
✓	4	S	Insulated	Main	None	.4	6	8	48 ft²
✓	5	S	Insulated	Main	None	.4	6	8	48 ft²

WINDOWS

Orientation shown is the entered, Proposed orientation.

✓	#	Omt	Wall ID	Frame	Panes	NFRC	U-Factor	SHGC	Area	Overhang Depth	Overhang Separation	Int Shade	Screening
✓	1	N	1	Vinyl	Low-E Double	Yes	0.33	0.22	18.0 ft²	1 ft 6 in	1 ft 4 in	IECC 2012	None
✓	2	N	1	Vinyl	Low-E Double	Yes	0.33	0.22	12.0 ft²	1 ft 6 in	1 ft 4 in	IECC 2012	None
✓	3	N	1	Vinyl	Low-E Double	Yes	0.33	0.22	30.0 ft²	1 ft 6 in	1 ft 4 in	IECC 2012	None
✓	4	E	2	Vinyl	Low-E Double	Yes	0.33	0.22	72.0 ft²	1 ft 6 in	1 ft 4 in	IECC 2012	None
✓	5	E	4	Vinyl	Low-E Double	Yes	0.33	0.22	36.0 ft²	1 ft 6 in	1 ft 4 in	IECC 2012	None
✓	6	S	5	Vinyl	Low-E Double	Yes	0.33	0.22	54.0 ft²	1 ft 6 in	1 ft 4 in	IECC 2012	None
✓	7	S	5	Vinyl	Low-E Double	Yes	0.33	0.22	324.0 ft²	1 ft 6 in	1 ft 4 in	IECC 2012	None
✓	8	W	6	Vinyl	Low-E Double	Yes	0.33	0.22	36.0 ft²	1 ft 6 in	1 ft 4 in	IECC 2012	None
✓	9	S	7	Vinyl	Low-E Double	Yes	0.33	0.22	36.0 ft²	1 ft 6 in	1 ft 4 in	IECC 2012	None
✓	10	W	8	Vinyl	Low-E Double	Yes	0.33	0.22	36.0 ft²	1 ft 6 in	1 ft 4 in	IECC 2012	None
✓	11	W	8	Vinyl	Low-E Double	Yes	0.33	0.22	8.0 ft²	1 ft 6 in	1 ft 4 in	IECC 2012	None
✓	12	W	8	Vinyl	Low-E Double	Yes	0.33	0.22	8.0 ft²	1 ft 6 in	1 ft 4 in	IECC 2012	None

WINDOWS

Orientation shown is the entered, Proposed orientation.

✓	#	Ornt	Wall ID	Frame	Panes	NFRC	U-Factor	SHGC	Area	Overhang Depth	Separation	Int Shade	Screening
✓	13	E	10	Vinyl	Low-E Double	Yes	0.33	0.22	90.0 ft²	1 ft 6 in	1 ft 4 in	IECC 2012	None
✓	14	S	11	Vinyl	Low-E Double	Yes	0.33	0.22	30.0 ft²	1 ft 6 in	1 ft 4 in	IECC 2012	None
✓	15	S	12	Vinyl	Low-E Double	Yes	0.33	0.22	30.0 ft²	1 ft 6 in	1 ft 4 in	IECC 2012	None
✓	16	W	13	Vinyl	Low-E Double	Yes	0.33	0.22	90.0 ft²	1 ft 6 in	1 ft 4 in	IECC 2012	None

INFILTRATION

#	Scope	Method	SLA	CFM 50	ELA	EqLA	ACH	ACH 50
1	Wholehouse	Proposed ACH(50)	.000292	6023.7	330.69	621.91	.2771	5

HEATING SYSTEM

✓	#	System Type	Subtype	Efficiency	Capacity	Block	Ducts
✓	1	Electric Heat Pump	None	HSPF:8.5	60 kBtu/hr	1	sys#1
✓	2	Electric Heat Pump	None	HSPF:8.5	60 kBtu/hr	2	sys#2

COOLING SYSTEM

✓	#	System Type	Subtype	Efficiency	Capacity	Air Flow	SHR	Block	Ducts
✓	1	Central Unit	None	SEER: 18	60 kBtu/hr	1800 cfm	0.8	1	sys#1
✓	2	Central Unit	None	SEER: 18	60 kBtu/hr	1800 cfm	0.8	2	sys#2

HOT WATER SYSTEM

✓	#	System Type	SubType	Location	EF	Cap	Use	SetPnt	Conservation
✓	1	Electric	None	Main	0.92	40 gal	70 gal	120 deg	None

SOLAR HOT WATER SYSTEM

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

DUCTS

✓	#	Supply Location	R-Value	Area	Return Location	Area	Leakage Type	Air Handler	CFM 25 TOT	CFM25 OUT	QN	RLF	HVAC # Heat	Cool
✓	1	Main	8	785.5 ft	Main	196.37	Prop. Leak Free	Main	— cfm	141.7 cfm	0.03	0.50	1	1
✓	2	2nd Floor	8	785.5 ft	2nd Floor	196.37	Prop. Leak Free	Main	— cfm	94.0 cfm	0.03	0.50	2	2

TEMPERATURES

Programable Thermostat: Y

Ceiling Fans:

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

Thermostat Schedule: HERS 2006 Reference

Hours

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

Residential System Sizing Calculation

Summary

Project Title:
Richards

Lake City, FL 32024

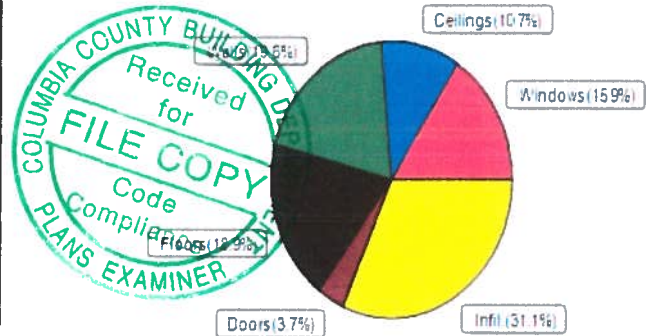
12/8/2017

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
Total heating load calculation	75338	Btuh	Total cooling load calculation	49196	Btuh
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	159.3	120000	Sensible (SHR = 0.80)	281.0	96000
Heat Pump + Auxiliary(0.0kW)	159.3	120000	Latent	159.7	24000
			Total (Electric Heat Pump)	243.9	120000

WINTER CALCULATIONS

Winter Heating Load (for 7855 sqft)

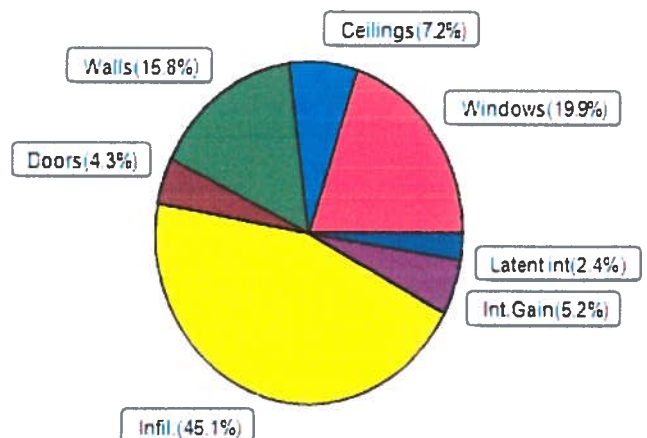
Load component		Load
Window total	910 sqft	12012 Btuh
Wall total	4514 sqft	14784 Btuh
Door total	176 sqft	2816 Btuh
Ceiling total	7855 sqft	8077 Btuh
Floor total	See detail report	14254 Btuh
Infiltration	534 cfm	23394 Btuh
Duct loss		0 Btuh
Subtotal		75338 Btuh
Ventilation	0 cfm	0 Btuh
TOTAL HEAT LOSS		75338 Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 7855 sqft)

Load component		Load
Window total	910 sqft	9810 Btuh
Wall total	4514 sqft	7777 Btuh
Door total	176 sqft	2112 Btuh
Ceiling total	7855 sqft	3554 Btuh
Floor total		0 Btuh
Infiltration	401 cfm	8334 Btuh
Internal gain		2580 Btuh
Duct gain		0 Btuh
Sens. Ventilation	0 cfm	0 Btuh
Blower Load		0 Btuh
Total sensible gain		34167 Btuh
Latent gain(ducts)		0 Btuh
Latent gain(infiltration)		13829 Btuh
Latent gain(ventilation)		0 Btuh
Latent gain(internal/occupants/other)		1200 Btuh
Total latent gain		15029 Btuh
TOTAL HEAT GAIN		49196 Btuh



8th Edition

EnergyGauge® System Sizing

PREPARED BY: _____

DATE: _____

[Signature]
12-8-17

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Project Title:

Richards

Lake City, FL 32024

Building Type: User

12/8/2017

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 0.22	Vinyl	0.33	N	18.0		13.2	238 Btuh
2	2, NFRC 0.22	Vinyl	0.33	N	12.0		13.2	158 Btuh
3	2, NFRC 0.22	Vinyl	0.33	N	30.0		13.2	396 Btuh
4	2, NFRC 0.22	Vinyl	0.33	E	72.0		13.2	950 Btuh
5	2, NFRC 0.22	Vinyl	0.33	E	36.0		13.2	475 Btuh
6	2, NFRC 0.22	Vinyl	0.33	S	54.0		13.2	713 Btuh
7	2, NFRC 0.22	Vinyl	0.33	S	324.0		13.2	4277 Btuh
8	2, NFRC 0.22	Vinyl	0.33	W	36.0		13.2	475 Btuh
9	2, NFRC 0.22	Vinyl	0.33	S	36.0		13.2	475 Btuh
10	2, NFRC 0.22	Vinyl	0.33	W	36.0		13.2	475 Btuh
11	2, NFRC 0.22	Vinyl	0.33	W	8.0		13.2	106 Btuh
12	2, NFRC 0.22	Vinyl	0.33	W	8.0		13.2	106 Btuh
13	2, NFRC 0.22	Vinyl	0.33	E	90.0		13.2	1188 Btuh
14	2, NFRC 0.22	Vinyl	0.33	S	30.0		13.2	396 Btuh
15	2, NFRC 0.22	Vinyl	0.33	S	30.0		13.2	396 Btuh
16	2, NFRC 0.22	Vinyl	0.33	W	90.0		13.2	1188 Btuh
Window Total					910.0(sqft)			12012 Btuh
Walls	Type	Ornt.	Ueff.	R-Value (Cav/Sh)	Area	X	HTM=	Load
1	Conc Blk,Hollow	- Ext	(0.064)	13.0/0.0	900		2.56	2308 Btuh
2	Frame - Wood	- Ext	(0.089)	13.0/0.0	288		3.55	1022 Btuh
3	Conc Blk,Hollow	- Ext	(0.064)	13.0/0.0	152		2.56	390 Btuh
4	Conc Blk,Hollow	- Ext	(0.064)	13.0/0.0	184		2.56	472 Btuh
5	Conc Blk,Hollow	- Ext	(0.064)	13.0/0.0	822		2.56	2108 Btuh
6	Conc Blk,Hollow	- Ext	(0.064)	13.0/0.0	184		2.56	472 Btuh
7	Conc Blk,Hollow	- Ext	(0.064)	13.0/0.0	116		2.56	297 Btuh
8	Conc Blk,Hollow	- Ext	(0.064)	13.0/0.0	348		2.56	892 Btuh
9	Frame - Steel	- Ext	(0.112)	13.0/0.0	800		4.49	3591 Btuh
10	Frame - Steel	- Ext	(0.112)	13.0/0.0	230		4.49	1033 Btuh
11	Frame - Steel	- Ext	(0.112)	13.0/0.0	130		4.49	584 Btuh
12	Frame - Steel	- Ext	(0.112)	13.0/0.0	130		4.49	584 Btuh
13	Frame - Steel	- Ext	(0.112)	13.0/0.0	230		4.49	1033 Btuh
Wall Total					4514(sqft)			14784 Btuh
Doors	Type	Storm	Ueff.		Area	X	HTM=	Load
1	Insulated - Exterior,	n	(0.400)		20		16.0	320 Btuh
2	Insulated - Exterior,	n	(0.400)		20		16.0	320 Btuh
3	Insulated - Exterior,	n	(0.400)		40		16.0	640 Btuh
4	Insulated - Exterior,	n	(0.400)		48		16.0	768 Btuh
5	Insulated - Exterior,	n	(0.400)		48		16.0	768 Btuh
Door Total					176(sqft)			2816Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Lake City, FL 32024

Project Title:
Richards
Building Type: User

12/8/2017

Ceilings	Type/Color/Surface	Ueff.	R-Value	Area X	HTM=	Load
1	Unvent Attic/W/Metal	(0.026)	0.0/38.0	4722	1.0	4856 Btuh
2	Unvent Attic/W/Metal	(0.026)	0.0/38.0	3133	1.0	3222 Btuh
	Ceiling Total			7855(sqft)		8077Btuh
Floors	Type	Ueff.	R-Value	Size X	HTM=	Load
1	Slab On Grade	(1.180)	0.0	302.0 ft(perim.)	47.2	14254 Btuh
2	Interior	(1.180)	19.0	3133.0 sqft	0.0	0 Btuh
	Floor Total			7855 sqft		14254 Btuh
Envelope Subtotal:						51944 Btuh
Infiltration	Type	Wholehouse	ACH	Volume(cuft)	Wall Ratio	CFM=
	Natural		0.44	72284	1.00	534.2
						23394 Btuh
Duct load	(DLM of 0.000)					0 Btuh
All Zones	Sensible Subtotal All Zones					75338 Btuh

WHOLE HOUSE TOTALS

Totals for Heating	Subtotal Sensible Heat Loss	75338 Btuh
	Ventilation Sensible Heat Loss	0 Btuh
	Total Heat Loss	75338 Btuh

EQUIPMENT

1. Electric Heat Pump	#	60000 Btuh
2. Electric Heat Pump	#	60000 Btuh

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

Project Title:
Richards

Lake City, FL 32024

12/8/2017

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	0.22, 0.33	I-A	No	N		1.5ft	1.3ft	18.0	0.0	18.0	8	8	138	Btuh	
2	2 NFRC	0.22, 0.33	I-A	No	N		1.5ft	1.3ft	12.0	0.0	12.0	8	8	92	Btuh	
3	2 NFRC	0.22, 0.33	I-A	No	N		1.5ft	1.3ft	30.0	0.0	30.0	8	8	230	Btuh	
4	2 NFRC	0.22, 0.33	I-A	No	E		1.5ft	1.3ft	72.0	0.0	72.0	8	15	1094	Btuh	
5	2 NFRC	0.22, 0.33	I-A	No	E		1.5ft	1.3ft	36.0	0.0	36.0	8	15	547	Btuh	
6	2 NFRC	0.22, 0.33	I-A	No	S		1.5ft	1.3ft	54.0	54.0	0.0	8	9	414	Btuh	
7	2 NFRC	0.22, 0.33	I-A	No	S		1.5ft	1.3ft	324.0	324.0	0.0	8	9	2484	Btuh	
8	2 NFRC	0.22, 0.33	I-A	No	W		1.5ft	1.3ft	36.0	0.0	36.0	8	15	547	Btuh	
9	2 NFRC	0.22, 0.33	I-A	No	S		1.5ft	1.3ft	36.0	36.0	0.0	8	9	276	Btuh	
10	2 NFRC	0.22, 0.33	I-A	No	W		1.5ft	1.3ft	36.0	0.0	36.0	8	15	547	Btuh	
11	2 NFRC	0.22, 0.33	I-A	No	W		1.5ft	1.3ft	8.0	0.0	8.0	8	15	122	Btuh	
12	2 NFRC	0.22, 0.33	I-A	No	W		1.5ft	1.3ft	8.0	0.0	8.0	8	15	122	Btuh	
13	2 NFRC	0.22, 0.33	I-A	No	E		1.5ft	1.3ft	90.0	0.0	90.0	8	15	1368	Btuh	
14	2 NFRC	0.22, 0.33	I-A	No	S		1.5ft	1.3ft	30.0	30.0	0.0	8	9	230	Btuh	
15	2 NFRC	0.22, 0.33	I-A	No	S		1.5ft	1.3ft	30.0	30.0	0.0	8	9	230	Btuh	
16	2 NFRC	0.22, 0.33	I-A	No	W		1.5ft	1.3ft	90.0	0.0	90.0	8	15	1368	Btuh	
Window Total									910 (sqft)					9810 Btuh		
Walls	Type						U-Value		R-Value		Area(sqft)		HTM		Load	
									Cav/Sheath							
1	Concrete Blk,Hollow - Ext						0.06		13.0/0.0		900.0		1.0		923 Btuh	
2	Frame - Wood - Ext						0.09		13.0/0.0		288.0		2.3		652 Btuh	
3	Concrete Blk,Hollow - Ext						0.06		13.0/0.0		152.0		1.0		156 Btuh	
4	Concrete Blk,Hollow - Ext						0.06		13.0/0.0		184.0		1.0		189 Btuh	
5	Concrete Blk,Hollow - Ext						0.06		13.0/0.0		822.0		1.0		843 Btuh	
6	Concrete Blk,Hollow - Ext						0.06		13.0/0.0		184.0		1.0		189 Btuh	
7	Concrete Blk,Hollow - Ext						0.06		13.0/0.0		116.0		1.0		119 Btuh	
8	Concrete Blk,Hollow - Ext						0.06		13.0/0.0		348.0		1.0		357 Btuh	
9	Frame - Steel - Ext						0.11		13.0/0.0		800.0		2.9		2290 Btuh	
10	Frame - Steel - Ext						0.11		13.0/0.0		230.0		2.9		658 Btuh	
11	Frame - Steel - Ext						0.11		13.0/0.0		130.0		2.9		372 Btuh	
12	Frame - Steel - Ext						0.11		13.0/0.0		130.0		2.9		372 Btuh	
13	Frame - Steel - Ext						0.11		13.0/0.0		230.0		2.9		658 Btuh	
Wall Total									4514 (sqft)					7777 Btuh		
Doors	Type								Area (sqft)		HTM		Load			
1	Insulated - Exterior								20.0		12.0		240 Btuh			
2	Insulated - Exterior								20.0		12.0		240 Btuh			
3	Insulated - Exterior								40.0		12.0		480 Btuh			
4	Insulated - Exterior								48.0		12.0		576 Btuh			
5	Insulated - Exterior								48.0		12.0		576 Btuh			
Door Total									176 (sqft)					2112 Btuh		
Ceilings	Type/Color/Surface						U-Value		R-Value		Area(sqft)		HTM		Load	
1	Unvented Attic/White/Metal						0.026		0.0/38.0		4722.0		0.45		2136 Btuh	
2	Unvented Attic/White/Metal						0.026		0.0/38.0		3133.0		0.45		1418 Btuh	
Ceiling Total									7855 (sqft)					3554 Btuh		
Floors	Type								R-Value		Size		HTM		Load	
1	Slab On Grade								0.0		4722 (ft-perimeter)		0.0		0 Btuh	
2	Interior								19.0		3133 (sqft)		0.0		0 Btuh	
Floor Total									7855.0 (sqft)					0 Btuh		

Manual J Summer Calculations

Residential Load - Component Details (continued)

Project Title:
Richards

Climate:FL_GAINESVILLE_REGIONAL_A

Lake City, FL 32024

12/8/2017

	Envelope Subtotal:					23253 Btuh	
Infiltration	Type Natural	Average ACH 0.33	Volume(cuft) 72284	Wall Ratio 1	CFM= 400.7	Load 8334	Btuh
Internal gain		Occupants 6	Btuh/occupant X 230	Appliance +	1200	Load 2580	Btuh
	Sensible Envelope Load:					34167 Btuh	
Duct load	Extremely sealed, Supply(R8.0-Condi), Return(R8.0-Condi)			(DGM of 0.000)		0 Btuh	
	Sensible Load All Zones					34167 Btuh	



COLUMBIA COUNTY BUILDING DEPARTMENT RESIDENTIAL CHECK LIST

MINIMUM PLAN REQUIREMENTS: FLORIDA BUILDING CODE RESIDENTIAL 2014 EFFECTIVE 1 JULY 2015 AND THE NATIONAL ELECTRICAL CODE 2011 EFFECTIVE 1 JULY 2015

ALL REQUIREMENTS ARE SUBJECT TO CHANGE

ALL BUILDING PLANS MUST INDICATE COMPLIANCE WITH THE CURRENT 2014 FLORIDA BUILDING CODES RESIDENTIAL, EFFECTIVE 1 JULY 2015. NATIONAL ELECTRICAL CODE 2011 EFFECTIVE 1 JULY 2015. 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.

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 12/2016

**GENERAL REQUIREMENTS:
APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL**

Items to Include-
Each Box shall be
Marked as
Applicable

Select From the Dropdown

1	Two (2) complete sets of plans containing the following:	-	Yes	
2	All drawings must be clear, concise, drawn to scale, details that are not used shall be marked void	-	Yes	
3	Condition space (Sq. Ft.) <u>4722</u>	Total (Sq. Ft.) under roof <u>7855</u>	YES	NO N/A

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 R101.2.1

Site Plan information including:

4	Dimensions of lot or parcel of land	-	Yes	
5	Dimensions of all building set backs	-	Yes	
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	
7	Provide a full legal description of property.	-	Yes	

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
Marked as
Applicable

8	Plans or specifications must show compliance with FBCR Chapter 3	YES	NO	N/A
Select From the Dropdown				
9	Basic wind speed (3-second gust), miles per hour	-	Yes	
10	(Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated)	-	Yes	
11	Wind importance factor and nature of occupancy	-	Yes	
12	The applicable internal pressure coefficient, Components and Cladding	-	Yes	
13	The design wind pressure in terms of psf (kN/m ²), to be used for the design of exterior component, cladding materials not specifically designed by the registered design professional.	-	Yes	

Elevations Drawing including:

14	All side views of the structure	-	Yes	
15	Roof pitch	-	Yes	
16	Overhang dimensions and detail with attic ventilation	-	Yes	
17	Location, size and height above roof of chimneys	-	N/A	
18	Location and size of skylights with Florida Product Approval	-	N/A	
18	Number of stories	-	Yes	
20A	Building height from the established grade to the roofs highest peak	-	Yes	

Floor Plan including:

20	Dimensioned area plan showing rooms, attached garage, breeze ways, covered porches, deck, balconies	- <input type="text" value="Yes"/>
21	Raised floor surfaces located more than 30 inches above the floor or grade	- <input type="text" value="Yes"/>
22	All exterior and interior shear walls indicated	- <input type="text" value="Yes"/>
23	Shear wall opening shown (Windows, Doors and Garage doors)	- <input type="text" value="Yes"/>
24	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.	- <input type="text" value="Yes"/>
25	Safety glazing of glass where needed	- <input type="text" value="Yes"/>
26	Fireplaces types (gas appliance) (vented or non-vented) or wood burning with Hearth (see chapter 10 and chapter 24 of FBCR)	- <input type="text" value="N/A"/>
27	Show stairs with dimensions (width, tread and riser and total run) details of guardrails, Handrails	- <input type="text" value="Yes"/>
28	Identify accessibility of bathroom (see FBCR SECTION 320)	- <input type="text" value="Yes"/>

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)

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

YES / NO / N/A

FBCR 403: Foundation Plans

Select From the Dropdown

29	Location of all load-bearing walls footings indicated as standard, monolithic, dimensions, size and type of reinforcing.	- <input type="text" value="Yes"/>
30	All posts and/or column footing including size and reinforcing	- <input type="text" value="Yes"/>
31	Any special support required by soil analysis such as piling.	- <input type="text" value="N/A"/>
32	Assumed load-bearing value of soil _____ Pound Per Square Foot	- <input type="text" value="N/A"/>
33	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	- <input type="text" value="Yes"/>

FBCR 506: CONCRETE SLAB ON GRADE

34	Show Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed)	- <input type="text" value="Yes"/>
35	Show control joints, synthetic fiber reinforcement or welded fire fabric reinforcement and Supports	- <input type="text" value="Yes"/>

FBCR 318: PROTECTION AGAINST TERMITES

36	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	- <input type="text" value="Yes"/>
----	---	------------------------------------

FBCR 606: Masonry Walls and Stem walls (load bearing & shear Walls)

37	Show all materials making up walls, wall height, and Block size, mortar type	- <input type="text" value="Yes"/>
38	Show all Lintel sizes, type, spans and tie-beam sizes and spacing of reinforcement	- <input type="text" value="N/A"/>

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

39	Floor truss package shall including layout and details, signed and sealed by Florida Registered Professional Engineer	- <input type="text" value="Yes"/>
----	---	------------------------------------

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

YES / NO / N/A

FBCR CHAPTER 6 WOOD WALL FRAMING CONSTRUCTION

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

Select From the Dropdown

52	Stud type, grade, size, wall height and oc spacing for all load bearing or shear walls	- Yes
53	Fastener schedule for structural members per table IRC 602.3 are to be shown	- Yes
54	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	- Yes
55	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	- Yes
56	Show sizes, type, span lengths and required number of support jack studs, king studs for shear wall opening and girder or header per IRC Table 502.5 (1)	- Yes
57	Indicate where pressure treated wood will be placed	- Yes
58	Show all wall structural panel sheathing, grade, thickness and show fastener schedule for structural panel sheathing edges & intermediate areas	- Yes
59	A detail showing gable truss bracing, wall balloon framing details or/ and wall hinge bracing detail	- NA

FBCR :ROOF SYSTEMS:

60	Truss design drawing shall meet section FBCR 802.1.6.1 Wood trusses	-
61	Include a layout and truss details, signed and sealed by Florida Professional Engineer	-
62	Show types of connector's assemblies' and resistance uplift rating for all trusses and rafters	- N/A
63	Show gable ends with rake beams showing reinforcement or gable truss and wall bracing details	-
64	Provide dead load rating of trusses	-

FBCR 802:Conventional Roof Framing Layout

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

FBCR 803 ROOF SHEATHING

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

ROOF ASSEMBLIES FRC Chapter 9

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

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 600A, 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.**

YES / NO / N/A

GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL		Items to Include- Each Box shall be Marked as Applicable
Select From the Dropdown		
73	Show the insulation R value for the following areas of the structure	- Yes
74	Attic space	- Yes
75	Exterior wall cavity	- Yes
76	Crawl space	- N/A

HVAC information

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

Plumbing Fixture layout shown

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

Private Potable Water

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

Electrical layout shown including

85	Show Switches, receptacles outlets, lighting fixtures and Ceiling fans	- Yes
86	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	- Yes
87	Show the location of smoke detectors & Carbon monoxide detectors	- Yes
88	Show service panel, sub-panel, location(s) and total ampere ratings	- Yes
89	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	- Yes
90	Appliances and HVAC equipment and disconnects	- Yes
91	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.	- Yes

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

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

		YES	NO	N/A
92	Building Permit Application A current Building Permit Application is to be completed. by following the Checklist all supporting documents must be submitted. There is a \$15.00 application fee. The completed application with attached documents and application fee can be mailed.	NO	Yes	
93	Parcel Number The parcel number (Tax ID number) from the Property Appraisers Office (386) 758-1083 is required. A copy of property deed is also required. www.columbiacountyfla.com	NO	Yes	
94	Town of Fort White (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.	NO	N/A	
***	BELOW ITEMS ONLY NEEDED AFTER ZONING APPROVAL HAS GIVEN.	****	***	***
95	Environmental Health Permit or Sewer Tap Approval A copy of a approved Columbia County Environmental Health (386) 758-1058	NO	Yes	
96	City of Lake City A City Water and/or Sewer letter. Call 386-752-2031	NO	N/A	
97	Flood Information: 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	NO	Yes	
98	CERTIFIED FINISHED FLOOR ELEVATIONS 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.			
99	A Flood development permit is also required for AE, Floodway & AH. Development permit cost is \$50.00			
100	Driveway Connection: If the property does not have an existing access to a public road, then an application for a culvert permit (\$25.00) 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 (\$50.00) 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.	NO	Yes	
101	911 Address: 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.	NO	Yes	

TOILET FACILITIES SHALL BE PROVIDED FOR ALL CONSTRUCTION SITES. NO

Disclosure Statement for Owner Builders *If you as the applicant will be acting as an owner/builder under section 489.103(7) of the Florida Statutes, submit the required owner builder disclosure statement form.*

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 preformed.

Section R101.2.1 of the Florida Building Code Residential:

The provisions of Chapter 1, Florida Building Code shall govern the administration and enforcement of the Florida Building Code, Residential.

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 construed 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.

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and approval numbers on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. Statewide approved products are listed online @ www.floridabuilding.org

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
1. EXTERIOR DOORS			
A. SWINGING			
B. SLIDING			
C. SECTIONAL/ROLL UP			
D. OTHER			
2. WINDOWS			
A. SINGLE/DOUBLE HUNG			
B. HORIZONTAL SLIDER			
C. CASEMENT			
D. FIXED			
E. MULLION			
F. SKYLIGHTS			
G. OTHER			
3. PANEL WALL			
A. SIDING			
B. SOFFITS			
C. STOREFRONTS			
D. GLASS BLOCK			
E. OTHER			
4. ROOFING PRODUCTS			
A. ASPHALT SHINGLES			
B. NON-STRUCTURAL METAL			
C. ROOFING TILES			
D. SINGLE PLY ROOF			
E. OTHER			
5. STRUCTURAL COMPONENTS			
A. WOOD CONNECTORS			
B. WOOD ANCHORS			
C. TRUSS PLATES			
D. INSULATION FORMS			
E. LINTELS			
F. OTHERS			
6. NEW EXTERIOR ENVELOPE PRODUCTS			

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

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

Contractor OR Agent Signature _____

Date _____

NOTES: _____
