

AUG 18

Columbia County New Building Permit Application

For Office Use Only Application # 1902-35 Date Received 2/13 By [Signature] Permit # 37798
 Zoning Official [Signature] Date 2-26-19 Flood Zone X Land Use A Zoning A-3
 FEMA Map # _____ Elevation _____ MFE 75' per plot River _____ Plans Examiner ZC Date 2-18-19
 Comments _____
 NOC VEH 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. 18-0749 OR City Water Fax _____

Applicant (Who will sign/pickup the permit) Russell Malley Phone 603-662-2890

Address 1295 SW Highfield terrace, LAKE CITY, FL 32024

Owners Name Russell Malley Phone 603-662-2890

911 Address 1295 SW Highfield terrace, LAKE CITY, FL 32024

Contractors Name owner/Builder Phone SAME

Address _____

Contractor Email Russem92161@yahoo.com ***Include to get updates on this job.

Fee Simple Owner Name & Address _____

Bonding Co. Name & Address _____

Architect/Engineer Name & Address JULIO ORBEGOSO, P.E. 202 Doris Dr., STE 105

Mortgage Lenders Name & Address Lakeland, FL 33813

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

Property ID Number 36-55-16-03761-154 Estimated Construction Cost 50,000.00

Subdivision Name Meadowlands Lot 54 Block _____ Unit _____ Phase 4

Driving Directions from a Major Road 441s, R on tostenugee Ave, R on Meadowlands, R on Highfield terrace. Go to end of cul-de-sac.

Construction of Modular Commercial OR Residential

Proposed Use/Occupancy Home / 2 Number of Existing Dwellings on Property 1

Is the Building Fire Sprinkled? NO 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 _____ Side 86 Side 150 Rear _____

Number of Stories 1 Heated Floor Area 860 Total Floor Area 860 Acreage 5.52

Zoning Applications applied for (Site & Development Plan, Special Exception, etc.) \$425.00

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.

Russell Malley
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 _____

State of Florida Notary Signature (For the Contractor)

SEAL:

Columbia County Property Appraiser

updated: 2/8/2019

2018 Tax Roll Year

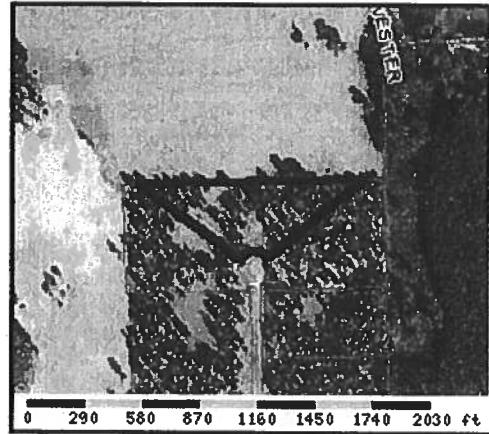
Parcel: 36-5S-16-03761-154

<< Next Lower Parcel Next Higher Parcel >>

Search Result: 1 of 1

Owner & Property Info

Owner's Name	MALLEY RUSSELL &		
Mailing Address	TEENA KULAKOWSKI 401 DANDI VIEW NORTH CONNELLY, NH 03860		
Site Address	1295 SW HIGH FIELD TER		
Use Desc. (code)	VACANT (000000)		
Tax District	3 (County)	Neighborhood	1616
Land Area	5.520 ACRES	Market Area	02
Description	NOTE: This description is not to be used as the Legal Description for this parcel in any legal transaction.		
LOT 54 MEADOWLANDS S/D PHASE 4 AG 1052-420, QC 1173-137, WD 1182-1016, WD 1286-2670.			



Property & Assessment Values

2018 Certified Values		
Mkt Land Value	cnt: (0)	\$31,000.00
Ag Land Value	cnt: (2)	\$0.00
Building Value	cnt: (0)	\$0.00
XFOB Value	cnt: (0)	\$0.00
Total Appraised Value		\$31,000.00
Just Value		\$31,000.00
Class Value		\$0.00
Assessed Value		\$31,000.00
Exempt Value		\$0.00
Total Taxable Value	Cnty: \$31,000 Other: \$31,000 Schl: \$31,000	

2019 Working Values <small>(...Hide Values)</small>		
Mkt Land Value	cnt: (0)	\$31,000.00
Ag Land Value	cnt: (2)	\$0.00
Building Value	cnt: (0)	\$0.00
XFOB Value	cnt: (0)	\$0.00
Total Appraised Value		\$31,000.00
Just Value		\$31,000.00
Class Value		\$0.00
Assessed Value		\$31,000.00
Exempt Value		\$0.00
Total Taxable Value	Cnty: \$31,000 Other: \$31,000 Schl: \$31,000	

NOTE: 2019 Working Values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.

Sales History

Sale Date	OR Book/Page	OR Code	Vacant / Improved	Qualified Sale	Sale RCode	Sale Price
12/30/2014	1286/2670	WD	V	Q	01	\$31,500.00
10/1/2009	1182/1016	WD	V	Q	01	\$35,000.00
3/11/2009	1173/137	QC	V	U	11	\$21,000.00
2/21/2005	1052/420	AG	V	Q		\$60,000.00

Building Characteristics

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

PERMIT NO. 18-2749
DATE PAID: 8/30/18
FEE PAID: 1201.00
RECEIPT #: 202372

APPLICATION FOR:

New System Existing System Holding Tank Innovative
 Repair Abandonment Temporary

APPLICANT: Russell Malley

AGENT: _____ TELEPHONE: 603-662-2890

MAILING ADDRESS: 2820 East Conway Rd, Center Conway, NH

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: 54 BLOCK: _____ SUBDIVISION: Meadowlands PLATTED: _____

PROPERTY ID #: 36-55-16-0376-154 ZONING: AG-3 I/M OR EQUIVALENT: [Y / N]

PROPERTY SIZE: 5.52 ACRES WATER SUPPLY: [] PRIVATE PUBLIC [] <=2000GPD [] >2000GPD

IS SEWER AVAILABLE AS PER 381.0065, FS? [Y / N] DISTANCE TO SEWER: _____ FT

PROPERTY ADDRESS: 1295 SW Highfield terrace

DIRECTIONS TO PROPERTY: 441 S, R Tustenuggee Ave, R on Meadowlands
R on Highfield terrace. Go to end of Cul-de-Sac

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>Home</u>	<u>1</u>	<u>800</u>	
2				
3				
4				

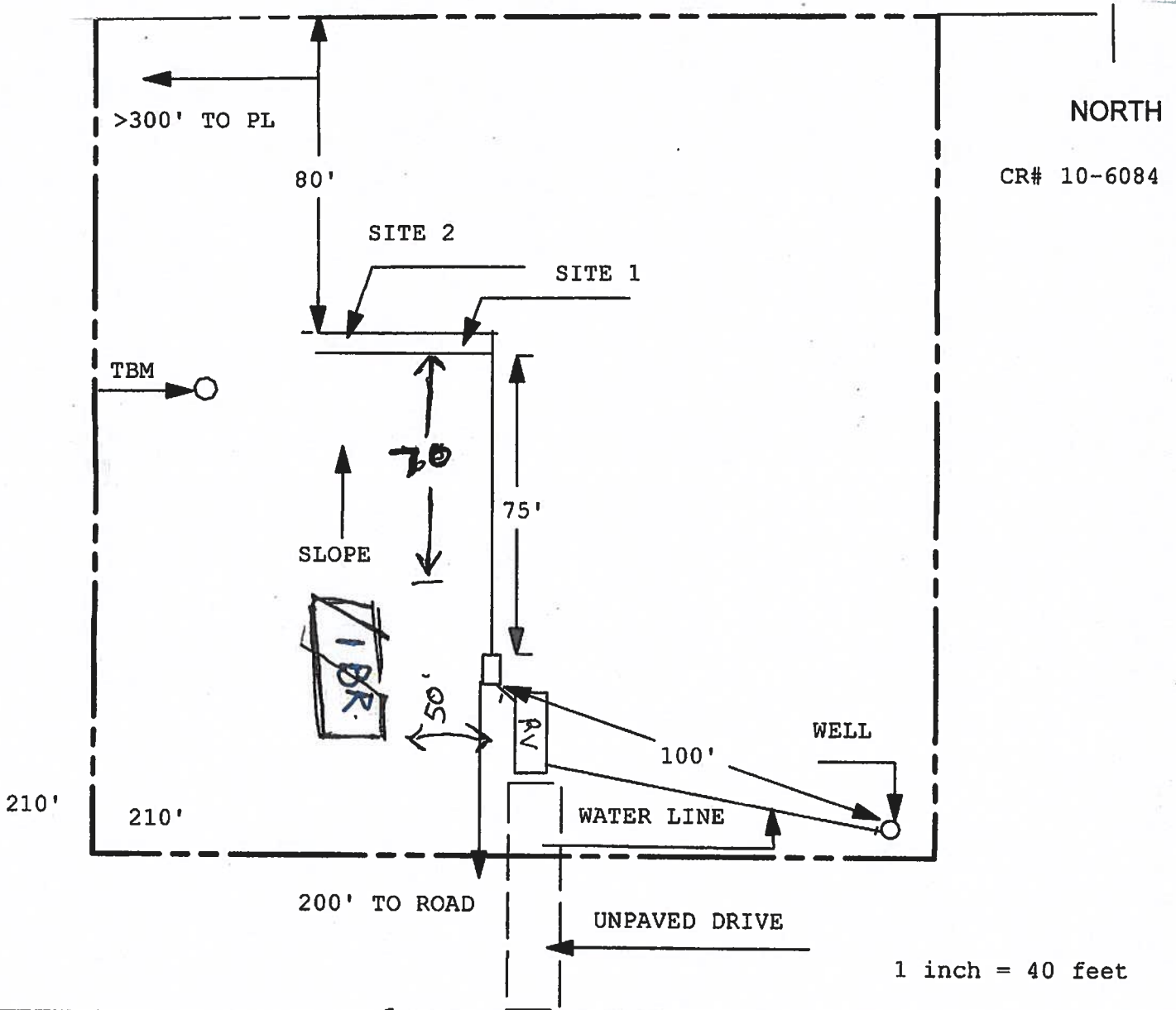
[] Floor/Equipment Drains [] Other (Specify) _____

SIGNATURE: Russell Malley DATE: 8/30/18

STATE OF FLORIDA
 DEPARTMENT OF HEALTH
 APPLICATION FOR CONSTRUCTION PERMIT

Permit Application Number 18-0749

PART II - SITEPLAN



Site Plan submitted by: Russell Malley SLM
 Plan Approved Not Approved Date 9/6/18
 By [Signature] ESH Columbia County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

SUBCONTRACTOR VERIFICATION

APPLICATION/PERMIT # 1902-35 JOB NAME -MALLEY

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

Handwritten: 2.13.19



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:

1295 SKI Highfield TER

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.



Columbia County, FL. Building & Zoning Culvert Waiver Permit #000002172



OWNER: RUSSELL MALLEY & TEENA KULAKOWSKI

ADDRESS:

PHONE: 603-662-5391

1295 SW HIGH FIELD TERR
LAKE CITY FL 32024

PARCEL ID: 36-5S-16-03761-154

Latitude: 30.007217 **Longitude:** -82.662191

SUBDIVISION: MEADOWLANDS S/D

LOT: 54 **BLK:** **PHASE:** 4 **UNIT:**

CONTRACTOR

NAME: OWNER

ADDRESS:

PHONE:

BUSINESS: OWNER

, FL

PROJECT DETAILS

BUILDING PERMIT #:

STATUS :

Approved

REQUIREMENTS:

INSPECTIONS

Passed: Engineering - Final Driveway

DD

4/13/2015

Passed: Engineering - Initial Driveway

DD

4/13/2015



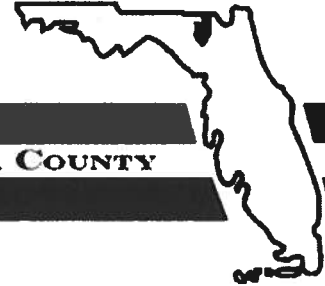
(A) A culvert shall be required to be installed as part of any newly constructed private driveway or road, or public road, which connects to a county road in Columbia County. Culvert installation for residential use shall require a permit issued by the Building and Zoning Department. Prior to any culvert permit being issued, an inspection by the Public Works Department shall be required to determine the proper size, length, and location for installation. Culvert installation for commercial, industrial, and other uses shall conform to the approved site plan or to the specifications of a registered engineer. Joint use culverts will comply with Florida Department of Transportation specifications.

(B) The culvert shall comply and be installed in accordance with Columbia County Land Development Regulation, Access Control: Section 4.2.3 standards. Proper installation of the culvert shall be verified by a final inspection performed by the Public Works Department.

(C) All culverts required by this policy shall be installed prior to the Building Department granting permission to connect permanent electrical service to the facility or facilities being serviced by newly constructed private driveway or road. In cases where no electrical service exists, installation shall be completed prior to final inspection approval.

(D) Mitered-end culverts shall be used in the following applications: (1) When the culvert is to be placed giving access to a paved street.; (2) When the road is contained within a subdivision (recorded or unrecorded) that has not reached a "build out" of fifty percent (50%) or more.; (3) In all new subdivisions for residential use. New subdivisions shall be required as part of the final plat to specify culvert diameter and length.; (4) When the predominant use already established by the use of mitered-end culverts period.

District No. 1 - Ronald Williams
District No. 2 - Rusty DePratter
District No. 3 - Bucky Nash
District No. 4 - Everett Phillips
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: **9/7/2018 10:54:29 AM**
Address: **1295 SW HIGH FIELD Ter**
City: **LAKE CITY**
State: **FL**
Zip Code **32024**

Parcel ID **03761-154**

REMARKS: Address Verification.

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**

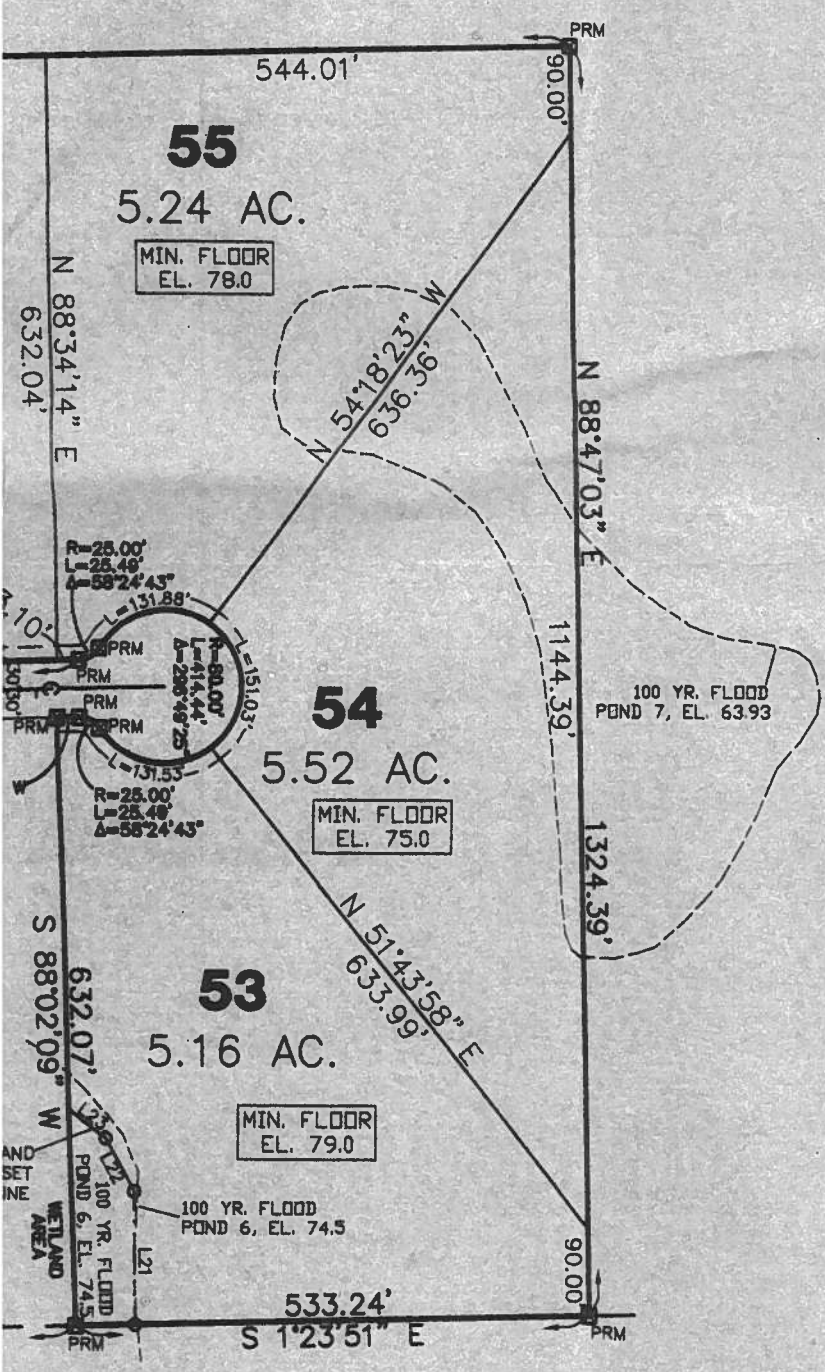
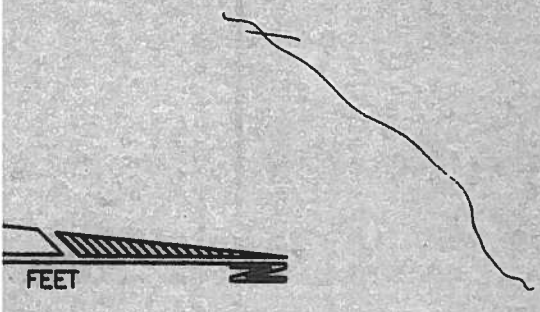
Columbia County GIS/911 Addressing Coordinator

**COLUMBIA COUNTY
911 ADDRESSING / GIS DEPARTMENT**

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

SOUTH, RANGE 16 EAST &
 SOUTH, RANGE 16 EAST &
 COUNTY, FLORIDA


- ABBREVIATION LEGEND**
- P.L.S. = PROFESSIONAL LAND SURVEYOR
 - LB = LICENSED BUSINESS
 - P.O.B. = POINT OF BEGINNING
 - R/W = RIGHT-OF-WAY
 - ☒PRM = PERMANENT REFERENCE MONUMENT
4x4 CONCRETE MONUMENT WITH BRASS
CAP STAMPED LB 7042, PRM NO., AND DATE
 - PCP = PERMANENT CONTROL POINT
 - CONC. = CONCRETE
 - MON. = MONUMENT
 - Δ = DELTA (CENTRAL ANGLE)
 - R = RADIUS OF CURVE
 - L = ARC LENGTH OF CURVE
 - CH = CHORD OF CURVE
 - P.B. = PLAT BOOK
 - PG. = PAGE
 - IRC = IRON ROD AND CAP
 - NC = NAIL AND CAP FOUND
 - OR&C = 5/8" REBAR SET WITH PLASTIC CAP
STAMPED LB 7042
 - ☐ = 4x4 CONCRETE MONUMENT WITH BRASS
CAP STAMPED LB 7042 SET



WETLANDS LINE

LINE	BEARING	DISTANCE
L21	N 0°24'43" W	138.44'
L22	N 28°10'35" W	62.19'
L23	N 52°38'25" W	48.67'

SHEET 4 OF 4 PLAT DATE: 01 / 19 / 20 05



Donald F. Lee and Associates, Inc.
 SURVEYORS — ENGINEERS
 140 Northwest Ridgewood Avenue, Lake City, Florida 32055
 Phone: (386) 755-6166 FAX: (386) 755-6167
 LB# 7042



**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:	<input checked="" type="checkbox"/>		
2	All drawings must be clear, concise, drawn to scale, details that are not used shall be marked void	<input checked="" type="checkbox"/>		
3	Condition space (Sq. Ft.) <u>864</u>	Total (Sq. Ft.) under roof <u>864</u>	Yes	No NA

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	-		
5	Dimensions of all building set backs	-		
6	Location of all other structures (include square footage of structures) on parcel, existing or proposed well and septic tank and all utility easements.	-		
7	Provide a full legal description of property.	-		

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	<input checked="" type="checkbox"/>	No	NA
		Select From Drop down		
9	Basic wind speed (3-second gust), miles per hour	<input checked="" 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"/>		
11	Wind importance factor and nature of occupancy	<input checked="" type="checkbox"/>		
12	The applicable internal pressure coefficient, Components and Cladding	<input checked="" type="checkbox"/>		
13	The design wind pressure in terms of psf (kN/m ²), to be used for the design of exterior component, cladding materials not speciffally designed by the registered design professional.	<input checked="" type="checkbox"/>		

Elevations Drawing including:

14	All side views of the structure	<input checked="" type="checkbox"/>		
15	Roof pitch	<input checked="" type="checkbox"/>		
16	Overhang dimensions and detail with attic ventilation	<input checked="" type="checkbox"/>		
17	Location, size and height above roof of chimneys	<input checked="" type="checkbox"/>		
18	Location and size of skylights with Florida Product Approval	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
19	Number of stories	<input checked="" type="checkbox"/>		
20	Building height from the established grade to the roofs highest peak	<input checked="" type="checkbox"/>		

Floor Plan Including:

21	Dimensioned area plan showing rooms, attached garage, breeze ways, covered porches, deck, balconies	(-)		
22	Raised floor surfaces located more than 30 inches above the floor or grade	(-)		
23	All exterior and interior shear walls indicated	(-)		
24	Shear wall opening shown (Windows, Doors and Garage doors)	(-)		
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	(-)		
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)

<p>GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL</p>	<p>Items to Include- Each Box shall be Circled as Applicable</p>
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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	<input checked="" type="checkbox"/>		
41	Show conventional floor joist type, size, span, spacing and attachment to load bearing walls, stem walls and/or piers	<input checked="" type="checkbox"/>		
42	Girder type, size and spacing to load bearing walls, stem wall and/or piers	<input checked="" type="checkbox"/>		
43	Attachment of joist to girder	<input checked="" type="checkbox"/>		
44	Wind load requirements where applicable	<input checked="" type="checkbox"/>		
45	Show required under-floor crawl space	<input checked="" type="checkbox"/>		
46	Show required amount of ventilation opening for under-floor spaces	<input checked="" type="checkbox"/>		
47	Show required covering of ventilation opening	<input checked="" type="checkbox"/>		
48	Show the required access opening to access to under-floor spaces	<input checked="" type="checkbox"/>		
49	Show the sub-floor structural panel sheathing type, thickness and fastener schedule on the edges & intermediate of the areas structural panel sheathing	<input checked="" type="checkbox"/>		
50	Show Draftstopping, Fire caulking and Fire blocking	<input checked="" type="checkbox"/>		
51	Show fireproofing requirements for garages attached to living spaces, per FBCR section 302.6	<input checked="" type="checkbox"/>		
52	Provide live and dead load rating of floor framing systems (psf).	<input checked="" type="checkbox"/>		

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		
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		Select from Drop down		
53	Stud type, grade, size, wall height and oc spacing for all load bearing or shear walls	<input type="checkbox"/>		
54	Fastener schedule for structural members per table FBC-R602.3.2 are to be shown	<input type="checkbox"/>		
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	<input type="checkbox"/>		
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	<input type="checkbox"/>		
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.	<input type="checkbox"/>		
58	Indicate where pressure treated wood will be placed	<input type="checkbox"/>		
59	Show all wall structural panel sheathing, grade, thickness and show fastener schedule for structural panel sheathing edges & intermediate areas	<input type="checkbox"/>		
60	A detail showing gable truss bracing, wall balloon framing details or/ and wall hinge bracing detail	<input type="checkbox"/>		

FBCR :ROOF SYSTEMS:

61	Truss design drawing shall meet section FBC-R 802.10.1 Wood trusses	<input checked="" type="checkbox"/>		
62	Include a layout and truss details, signed and sealed by Florida Professional Engineer	<input checked="" type="checkbox"/>		
63	Show types of connector's assemblies' and resistance uplift rating for all trusses and rafters	<input checked="" type="checkbox"/>		
64	Show gable ends with rake beams showing reinforcement or gable truss and wall bracing details	<input checked="" type="checkbox"/>		
65	Provide dead load rating of trusses	<input checked="" type="checkbox"/>		

FBCR 802:Conventional Roof Framing Layout

66	Rafter and ridge beams sizes, span, species and spacing	<input type="checkbox"/>		
67	Connectors to wall assemblies' include assemblies' resistance to uplift rating	<input type="checkbox"/>		
68	Valley framing and support details	<input type="checkbox"/>		
69	Provide dead load rating of rafter system	<input type="checkbox"/>		

FBCR 803 ROOF SHEATHING

70	Include all materials which will make up the roof decking, identification of structural panel sheathing, grade, thickness	<input checked="" type="checkbox"/>		
71	Show fastener Size and schedule for structural panel sheathing on the edges & intermediate areas	<input checked="" type="checkbox"/>		

ROOF ASSEMBLIES FRC Chapter 9

72	Include all materials which will make up the roof assembles covering	-	0		
73	Submit Florida Product Approval numbers for each component of the roof assembles 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 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.**

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

74	Show the insulation R value for the following areas of the structure	-	0		
75	Attic space	-	0		
76	Exterior wall cavity	-	0		
77	Crawl space	-	0		

HVAC information

78	Submit two copies of a Manual J sizing equipment or equivalent computation study	-	0		
79	Exhaust fans shown in bathrooms Mechanical exhaust capacity of 50 cfm intermittent or 20 cfm continuous required	-	0		
80	Show clothes dryer route and total run of exhaust duct	-	0		

Plumbing Fixture layout shown

81	All fixtures waste water lines shall be shown on the foundation plan	-	0		
82	Show the location of water heater	-	0		

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	-	0		
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	-	0		
88	Show the location of smoke detectors & Carbon monoxide detectors	-	0		
89	Show service panel, sub-panel, location(s) and total ampere ratings	-	0		
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	-	0		
91	Appliances and HVAC equipment and disconnects	-	0		
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.	-	0		

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.

GENERAL REQUIREMENTS: 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	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.	-		
94	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	-		
95	Environmental Health Permit or Sewer Tap Approval A copy of a approved Columbia County Environmental Health (386) 758-1058	-		
96	City of Lake City A City Water and/or Sewer letter. Call 386-752-2031	-		
97	Toilet facilities shall be provided for all construction sites	-		
98	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.	-		
99	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 (Municode.com)	-		
100	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.	-		
101	A Flood development permit is also required for AE, Floodway & AH. Development permit cost is \$50.00	-		
102	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.	-		
103	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.	-		

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.

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	Jeld-Wen	36" Right Hand in swing steel	FL-14569.4
A. SWINGING	Jeld-Wen	36" Lc Handed in swing steel	FL-14569.4
B. SLIDING			
C. SECTIONAL/ROLL UP			
D. OTHER			
2. WINDOWS	LOWES	BV SH WH BVPFSH 28-1366 Flc	FL-14569.4 FLA # 14609.8
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-STRUCT METAL			
C. ROOFING TILES			
D. SINGLE PLY ROOF			
E. OTHER			
5. STRUCT 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.

NOTES: _____

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION
SUBCHAPTER 4 - Commercial Building Compliance Methods

Form 400C-04
 Building Prescriptive Envelope Method

North
 Climate Zones 1 & 2

Project Name: FS 24X36	Zone:
Address: 1295 SW High Field Terr.	Building Classification:
City/Zip Code: Lake City, FL 32024	Building Permit No.:
Builder: FS	Permitting Office:
Owner: FS	Jurisdiction No.:

BUILDING ENVELOPE INFORMATION

ENVELOPE COMPONENT	Nonresidential		Residential		Semiheated	
	U-factor	R-value	U-factor	R-value	U-factor	R-value
Roof type:		EXISTING				
Wall type:		EXISTING				
Floor type:		RAISED				
Fenestration	Max. U-factor Fixed/operable	Max. SHGC All orientation	Max. U-factor Fixed/operable	Max. SHGC All orientation	Max. U-factor Fixed/operable	Max. SHGC All orientation
Vertical glazing type, % of wall:						
Skylight type, % of roof:						

SYSTEMS INFORMATION

SYSTEM	Type (describe system)	Size (capacity)	Sizing calc.	Efficiency	Rating
Air-conditioning system	CENTRAL	EXISTING		EXISTING	
Heating system	CENTRAL	EXISTING		EXISTING	
Ventilation	EXISTING			EXISTING	
Ducts	Location: ATTIC	Fan Power: EXISTING		R-value EXISTING	
Piping	Fluid design operating temp:	Size of pipe:		Inches EF	
Hot water					
Electric power	Usage:	Operations manual & schedule required			
Storage	Space & protection:	Poles & spacers			
Lighting	Space type:	Lighting power density:			

PRESCRIPTIVE MEASURES

Components	Section	Requirements	Check:
Operations Manual	102.1, 410, 413	Operations manual provided to owner.	X
Windows & Doors	406.1.ABC.1.1	Glazed swinging entrance & revolving doors, max. 1.0 cfm/ft ² ; all other products: 0.4 cfm/ft ² .	X
Joints/Cracks	406.1.ABC.1.2	To be caulked, gasketed, weatherstripped or otherwise sealed.	X
Dropped Ceiling Cavity	406.1.ABC.1.4	Vented; seal & insulated ceiling. Unvented seal & insulate roof & side walls.	X
Reheat	407.1.BC	Electric resistance reheat prohibited.	X
HVAC Efficiency	407.1, 408.1	Minimum efficiencies: Cooling Tables 407.1.ABC.3.2A-D; Heating Tables 407.1.ABC.3.2B, 407.1.ABC.3.2D, 408.1.ABC.3.2E thru 408.1.ABC.3.2G.	X
HVAC Controls	407.1.ABC.2	Zone controls prevent reheat (exceptions); separate thermostatic control per zone; combined HAC control 5°F deadband (exceptions).	X
Ventilation	409.1.ABC.3	Motorized dampers reqd. except gravity dampers OK in: 1) exhaust systems and 2) systems with design outside air intake or exhaust capacity ≤ 300 cfm.	X
HVAC Ducts	410.1.ABC	Air ducts, fittings, mechanical equipment & plenum chambers shall be mechanically attached, sealed, insulated & installed per Sec. 410.1.ABC. Fan power limitations.	X
Balancing	410.1.ABC.4	HVAC distribution system(s) tested & balanced. Report in construction documents.	X
Piping Insulation	411.1.ABC	In accordance with Table 411.1.ABC.2.	X
Water Heaters	412.1.ABC	Performance requirements in accordance with Table 412.1.ABC.3. Heat trap required.	X
Swimming Pools	412.1.ABC.2.6	Cover on heated pools; Time switch (exceptions); Readily accessible on/off switch.	X
Hot Water Pipe Insulation	412.1.ABC.4	Table 411.1.ABC.2 for circulating systems, first 8' outlet pipe from storage tank, between inlet pipe and heat trap.	X
Water Fixtures	412.1.ABC.2.5.2	Shower heat water flow restricted to 2.5 gpm at 80 psi. Public lavatory fixture max. flow 0.5 gpm; if self-closing valve 0.25 gallon circulating, 0.5 gallon noncirculating.	X
Lighting Controls	415.1.ABC	Automatic control required for interior lighting in buildings < 5,000 s.f.; Space control; Exterior photo sensor. Tandem wiring where 1-3 linear fluorescent lamps > 30W.	X

If required by Florida law, I hereby certify that the system design is in compliance with the Florida Energy Code. Registration number

ARCHITECT: _____
 ELECTRICAL SYSTEM DESIGNER: _____
 LIGHTING SYSTEM DESIGNER: _____
 MECHANICAL SYSTEM DESIGNER: **MARSHALL'S LLC** **CAC1813849**
 PLUMBING SYSTEM DESIGNER: _____

I hereby certify that the plans and specifications covered by the calculation are in compliance with the Florida Energy Code. PREPARED BY: _____ DATE: _____	Review of 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 in accordance with Section 553.908, F.S.
I hereby certify that this building is in compliance with the Florida Energy Code. OWNER AGENT: _____ DATE: _____	BUILDING OFFICIAL: _____ DATE: _____

Opaque Elements	Nonresidential		Residential			Semihatched
	Assembly Maximum	Insulation Min ¹ R-value	Assembly Maximum	Insulation Min ¹ R-value	Assembly Maximum	Insulation Min ¹ R-Value
Roofs						
Insulation all above deck	U-0.063	R-15.0 ci	U-0.063	R-15.0 ci	U-0.218	R-3.8 ci
Metal building	U-0.065	R-19.0	U-0.065	R-19	U-0.167	R-6.0
Attic and other	U-0.034	R-30.0	U-0.034	R-30.0	U-0.081	R-13.0
Walls, Above-Grade						
Mass	U-0.580	NR	U-0.151 ²	R-5.7 ci ²	U-0.580	NR
Metal Building	U-0.113	R-13.0	U-0.113	R-13.0	U-0.184	R-6.0
Steel framed	U-0.124	R-13.0	U-0.124	R-13.0	U-0.352	NR
Wood framed and other	U-0.089	R-13.0	U-0.089	R-13.0	U-0.292	NR
Walls, Below-Grade						
Below-grade wall	C-1.140	NR	C-1.140	NR	C-1.140	NR
Floors						
Mass	U-0.137	R-4.2 ci	U-0.107	R-6.3 ci	U-0.322	NR
Steel Joist	U-0.052	R-19.0	U-0.052	R-19.0	U-0.350	NR
Wood framed and Other	U-0.051	R-19.0	U-0.051	R-19.0	U-0.282	NR
Slab-On-Grade Floors						
Unheated	F-0.730	NR	F-0.730	NR	F-0.730	NR
Heated	F-0.020	R-1.0	F-0.020	R-1.0	F-0.020	NR
Unheated	U-0.700		U-0.700		U-0.700	
Nonheating	U-1.450		U-1.450		U-1.450	
Penetration	Assembly Max U (Fixed/Operable)	Assembly Max SHGC (All Orientations/North-Oriented)	Assembly Max U (Fixed/Operable)	Assembly Max SHGC (All Orientations/North-Oriented)	Assembly Max U (Fixed/Operable)	Assembly Max SHGC (All Orientations/North-Oriented)
Vertical Glazing, % of wall						
0 - 10%	U _{fixed} -1.22 U _{oper} -1.27	SHGC _{all} 0.39 SHGC _{nonh} 0.61	U _{fixed} -1.22 U _{oper} -1.27	SHGC _{all} 0.61 SHGC _{nonh} 0.61	U _{fixed} -1.22 U _{oper} -1.27	SHGC _{all} NR SHGC _{nonh} NR
10.1 - 20%	U _{fixed} -1.22 U _{oper} -1.27	SHGC _{all} 0.25 SHGC _{nonh} 0.61	U _{fixed} -1.22 U _{oper} -1.27	SHGC _{all} 0.44 SHGC _{nonh} 0.61	U _{fixed} -1.22 U _{oper} -1.27	SHGC _{all} NR SHGC _{nonh} NR
20.1 - 30%	U _{fixed} -1.22 U _{oper} -1.27	SHGC _{all} 0.25 SHGC _{nonh} 0.61	U _{fixed} -1.22 U _{oper} -1.27	SHGC _{all} 0.44 SHGC _{nonh} 0.61	U _{fixed} -1.22 U _{oper} -1.27	SHGC _{all} NR SHGC _{nonh} NR
30.1 - 40%	U _{fixed} -1.22 U _{oper} -1.27	SHGC _{all} 0.25 SHGC _{nonh} 0.61	U _{fixed} -1.22 U _{oper} -1.27	SHGC _{all} 0.40 SHGC _{nonh} 0.61	U _{fixed} -1.22 U _{oper} -1.27	SHGC _{all} NR SHGC _{nonh} NR
40.1 - 50%	U _{fixed} -1.22 U _{oper} -1.27	SHGC _{all} 0.17 SHGC _{nonh} 0.42	U _{fixed} -1.22 U _{oper} -1.27	SHGC _{all} 0.29 SHGC _{nonh} 0.41	U _{fixed} -0.98 U _{oper} -1.02	SHGC _{all} NR SHGC _{nonh} NR
Skylight with curb, glass, % roof						
0 - 2.0%	U _{all} -1.98	SHGC _{all} 0.39	U _{all} -1.98	SHGC _{all} 0.36	U _{all} -1.98	SHGC _{all} NR
2.1 - 5.0%	U _{all} -1.98	SHGC _{all} 0.25	U _{all} -1.98	SHGC _{all} 0.19	U _{all} -1.98	SHGC _{all} NR
Skylight with curb, plastic, % roof						
0 - 2.0%	U _{all} -1.90	SHGC _{all} 0.65	U _{all} -1.90	SHGC _{all} 0.27	U _{all} -1.90	SHGC _{all} NR
2.1 - 5.0%	U _{all} -1.90	SHGC _{all} 0.39	U _{all} -1.90	SHGC _{all} 0.27	U _{all} -1.90	SHGC _{all} NR
Skylight without curb, all, % roof						
0 - 2.0%	U _{all} -1.36	SHGC _{all} 0.39	U _{all} -1.36	SHGC _{all} 0.36	U _{all} -1.36	SHGC _{all} NR
2.1 - 5.0%	U _{all} -1.36	SHGC _{all} 0.25	U _{all} -1.36	SHGC _{all} 0.19	U _{all} -1.36	SHGC _{all} NR

¹ The following definitions apply: ci = continuous insulation; NR = no (insulation) requirements.
² Exception to 402.1 C.1 applies for mass walls.