

Columbia County New Building Permit Application

FL PRODUCT

For Office Use Only Application # 1906-34 Date Received 6/10 By JW Permit # 38339
 Zoning Official J.C. / CH Date 6-20-19 Flood Zone X Land Use R/LD Zoning ASF-1
 FEMA Map # N/A Elevation N/A MFE 1' Above River N/A Plans Examiner J.C. Date 6-20-19
 Comments Floor 1' Above Rd. Front 25' Sides 10' Rear 15'
☒ NOC ☒ SH ☐ 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. 19-0460 OR City Water ☐ Fax _____
 Applicant (Who will sign/pickup the permit) Isaiah Cully Phone 386-867-0086
 Address 818 W Duval Lake City, FL 32055
 Owners Name Paul & Julia Michaud Phone 860-884-7929
 911 Address 276 Legacy Gln, Lake City FL 32025
 Contractors Name Isaiah Cully Phone 386-867-0086
 Address 818 W Duval Lake City, FL 32055
 Contractor Email Isaiahcully4@gmail.com ***Include to get updates on this job.
 Fee Simple Owner Name & Address _____
 Bonding Co. Name & Address _____
 Architect/Engineer Name & Address Nicholas P Geisler, 1758 NW Brown Rd, 32055 Lake City
 Mortgage Lenders Name & Address Drummond Bank, 350 SW Main Blvd, Lake City, FL 32025
 Circle the correct power company ☐ FL Power & Light ☒ Clay Elec. ☐ Suwannee Valley Elec. ☐ Duke Energy
 Property ID Number 18-4S-17-08466-012 Estimated Construction Cost 112,000
 Subdivision Name Heritage Hills Lot 2 Block _____ Unit _____ Phase 1
 Driving Directions from a Major Road HWY 47 S to Legacy Gln, right on Legacy gln, site on Left
6112

Construction of Single story Home Commercial OR ☒ Residential
 Proposed Use/Occupancy Residence Number of Existing Dwellings on Property 0
 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 ☒ Private Road Have an Existing Drive
 Actual Distance of Structure from Property Lines - Front 60 Side RH 89 Side 57 Rear 105
 Number of Stories 1 Heated Floor Area 1532 Total Floor Area 2372 Acreage 1.01
 Zoning Applications applied for (Site & Development Plan, Special Exception, etc.)

JW sent email 6.12.19 - JW spoke with Paul 7.1.19

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.

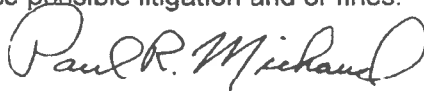
WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR ATTORNEY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

Paul R Michaud

Print Owners Name



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.

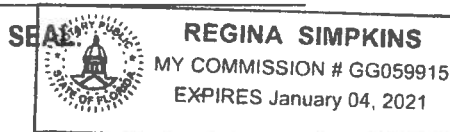
Contractor's Signature

✓ Contractor's License Number CBC 1259655
Columbia County
Competency Card Number 1179 ✓

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 10th day of June 2019

Personally known ✓ or Produced Identification ✓


State of Florida Notary Signature (For the Contractor)



SUBCONTRACTOR VERIFICATION

APPLICATION/PERMIT #

1906-34

JOB NAME

MICHAUD

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 checked="" type="checkbox"/>	CC# <u>871</u>	Print Name <u>Dennis Conklin</u> Company Name: <u>D+S Electric</u> License #: <u>13003800</u> Phone #: <u>386 397-5731</u>	Signature <u>Dennis Conklin</u> <div style="border: 1px solid black; padding: 2px;"> Need <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE </div>
MECHANICAL/A/C <input checked="" type="checkbox"/>	CC# <u>802</u>	Print Name <u>Clint Wilson</u> Company Name: <u>Wilson Heat & Air</u> License #: <u>CACG 57886</u> Phone #: <u>386 496-9000</u>	Signature <u>Clint Wilson</u> <div style="border: 1px solid black; padding: 2px;"> Need <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE </div>
PLUMBING/GAS <input checked="" type="checkbox"/>	CC# <u>715</u>	Print Name <u>Code Batts</u> Company Name: <u>Batts Plumbing</u> License #: <u>CPL1427145</u> Phone #: <u>386 623-0509</u>	Signature <u>Code Batts</u> <div style="border: 1px solid black; padding: 2px;"> Need <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE </div>
ROOFING <input checked="" type="checkbox"/>	CC# <u>494</u>	Print Name <u>Caleb Laughlin</u> Company Name: <u>Precision Exterior</u> License #: <u>CCC 1327718</u> Phone #: <u>386-867-1439</u>	Signature <u>Caleb Laughlin</u> <div style="border: 1px solid black; padding: 2px;"> Need <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE </div>
SHEET METAL <input type="checkbox"/>	CC# _____	Print Name _____ Company Name: _____ License #: _____ Phone #: _____	Signature _____ <div style="border: 1px solid black; padding: 2px;"> Need <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE </div>
FIRE SYSTEM/SPRINKLER <input type="checkbox"/>	CC# _____	Print Name _____ Company Name: _____ License #: _____ Phone #: _____	Signature _____ <div style="border: 1px solid black; padding: 2px;"> Need <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE </div>
SOLAR <input type="checkbox"/>	CC# _____	Print Name _____ Company Name: _____ License #: _____ Phone #: _____	Signature _____ <div style="border: 1px solid black; padding: 2px;"> Need <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE </div>
STATE SPECIALTY <input type="checkbox"/>	CC# _____	Print Name _____ Company Name: _____ License #: _____ Phone #: _____	Signature _____ <div style="border: 1px solid black; padding: 2px;"> Need <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE </div>

Legend

2018 Flood Zones

0.2 PCT ANNUAL CHANCE

A

AE

AH

Roads

Roads

others

Dirt

Interstate

Main

Other

Paved

Private

Addresses

Parcels

2018 Aerials

Lidar Elevations

X

Columbia County, FLA - Building & Zoning Property Map

Printed: Mon Jul 08 2019 08:49:05 GMT-0400 (Eastern Daylight Time)



Parcel Information

Parcel No: 18-4S-17-08466-012

Owner: HUDSON WAYNE T SR & GOLDIE K

Subdivision: HERITAGE HILLS PHASE 1

Lot:

Acres: 1.00989854

Deed Acres: 1.01 Ac

District: District 5 Tim Murphy

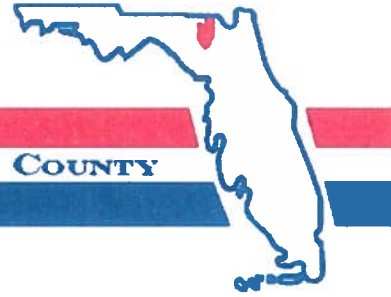
Future Land Uses: Residential - Very Low

Flood Zones:

Official Zoning Atlas: RSF-1

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



BOARD OF COUNTY COMMISSIONERS • COLUMBIA COUNTY

Address Assignment and Maintenance Document

To maintain the county wide Addressing Policy you must make application for a 9-1-1 Address at the time you apply for a building permit. The established standards for addressing and posting numbers to all principal buildings, dwellings, businesses and industries are contained in Columbia County Ordinance 2001-9. The addressing system is to enable Emergency Services Agencies to locate you in an emergency, and to assist the United States Postal Service and the public in the timely and efficient provision of services to residents and businesses of Columbia County

Date/Time Issued: **6/10/2019 2:50:39 PM**
Address: **276 SW LEGACY Gln**
City: **LAKE CITY**
State: **FL**
Zip Code **32025**

Parcel ID **08466-012**

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.

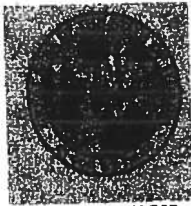
Address Issued By: **Signed:/ Matt Crews**

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**

CR # 10-7201



STATE OF FLORIDA
DEPARTMENT OF HEALTH
ON-SITE SEWAGE TREATMENT AND DISPOSAL
SYSTEM
APPLICATION FOR CONSTRUCTION PERMIT

PERMIT NO. 17-04100
DATE PAID: 6/10/19
FEE PAID: 375.00
RECEIPT #: 418370

APPLICATION FOR:

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

APPLICANT: PAUL R. & JULIA E. MICHAUDAGENT: ISAIAH CULLY CONSTRUCTIONTELEPHONE: (386) 867-0086MAILING ADDRESS: 818 W DUVAL STREET

LAKE CITY

FL 32055

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: 2 BLOCK: N/A SUBDIVISION: HERITAGE HILLS PHASE 1 PLATTED: _____

PROPERTY ID #: 18-4S-17-08466-012ZONING: RES I/M OR EQUIVALENT: ☐ NO ☐

PROPERTY SIZE: 1.010 ACRES WATER SUPPLY: ☒ PRIVATE PUBLIC ☐ ☐ ≤2000GPD ☐ >2000GPD

IS SEWER AVAILABLE AS PER 381.0065, FS? ☐ NO ☐DISTANCE TO SEWER: N/A FTPROPERTY ADDRESS: 276 LEGACY GLENDIRECTIONS TO PROPERTY: TAKE SR 47, TURN RIGHT ON LEGACY GLEN, SITE IS ON THE 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	HOUSE	3	1,532	Garage is located size inc based on 2181/938 EST
2				
3				
4				

☐ Floor/Equipment Drains ☐ Other (Specify) _____

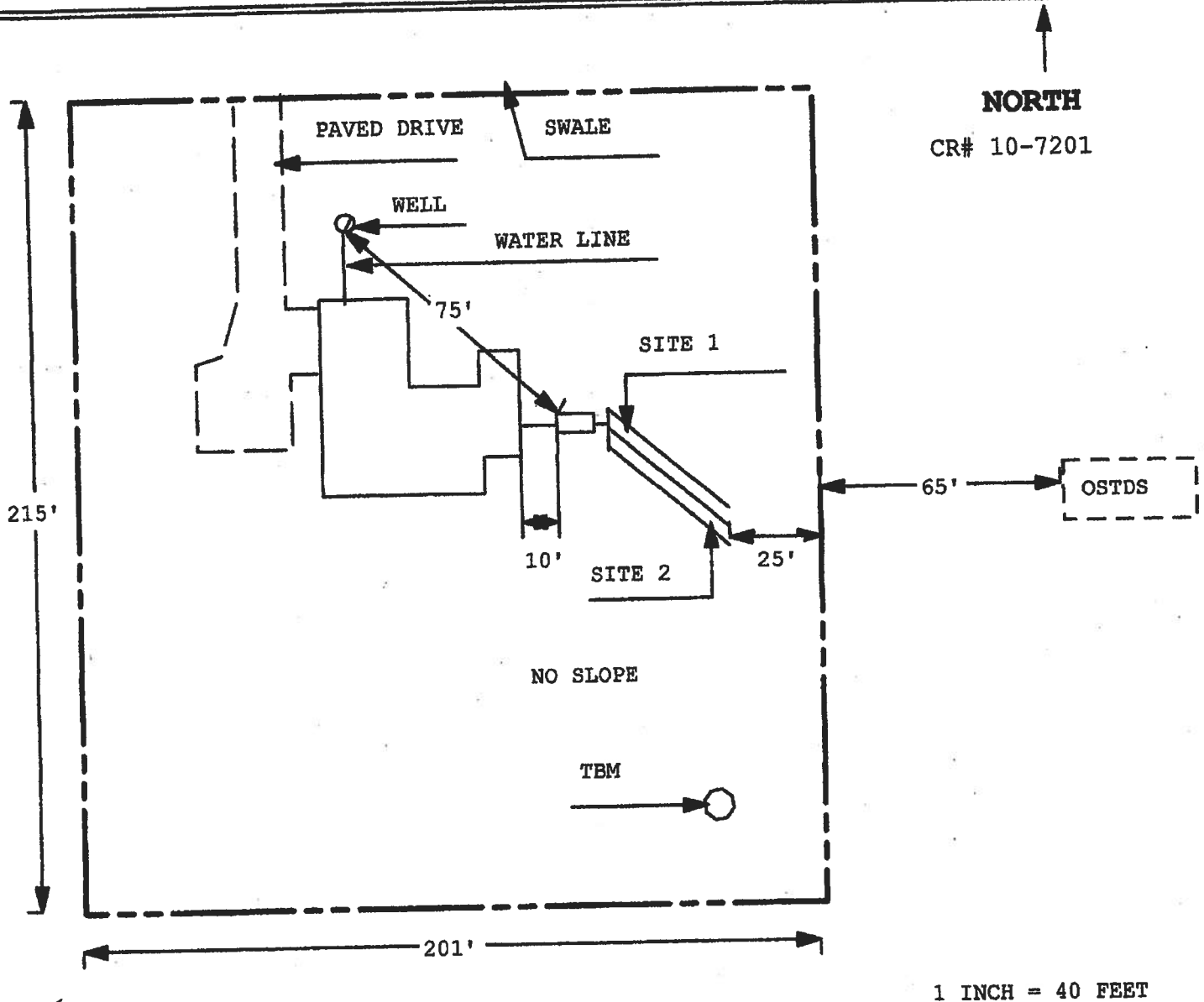
SIGNATURE: _____

DATE: 6-10-19

DH 4015, 08/09 (Obsoletes previous editions which may not be used)
Incorporated 64E-6.001, FAC

**Application for Onsite Sewage Disposal System
Construction Permit. Part II Site Plan**
Permit Application Number: 19-0460

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT



Site Plan Submitted By Paul R. Ray Date 5/15/19
Plan Approved X Not Approved by Date 6/21/19
By [Signature] EST Columbia CPHU
Notes: _____

Columbia County Property Appraiser

Jeff Hampton

Parcel: << 18-4S-17-08466-012 >>

2018 Tax Roll Year
updated: 3/29/2019

Aerial Viewer Pictometry Google Maps

2019 2016 2013 2010 2007 2005 Sales

Owner & Property Info

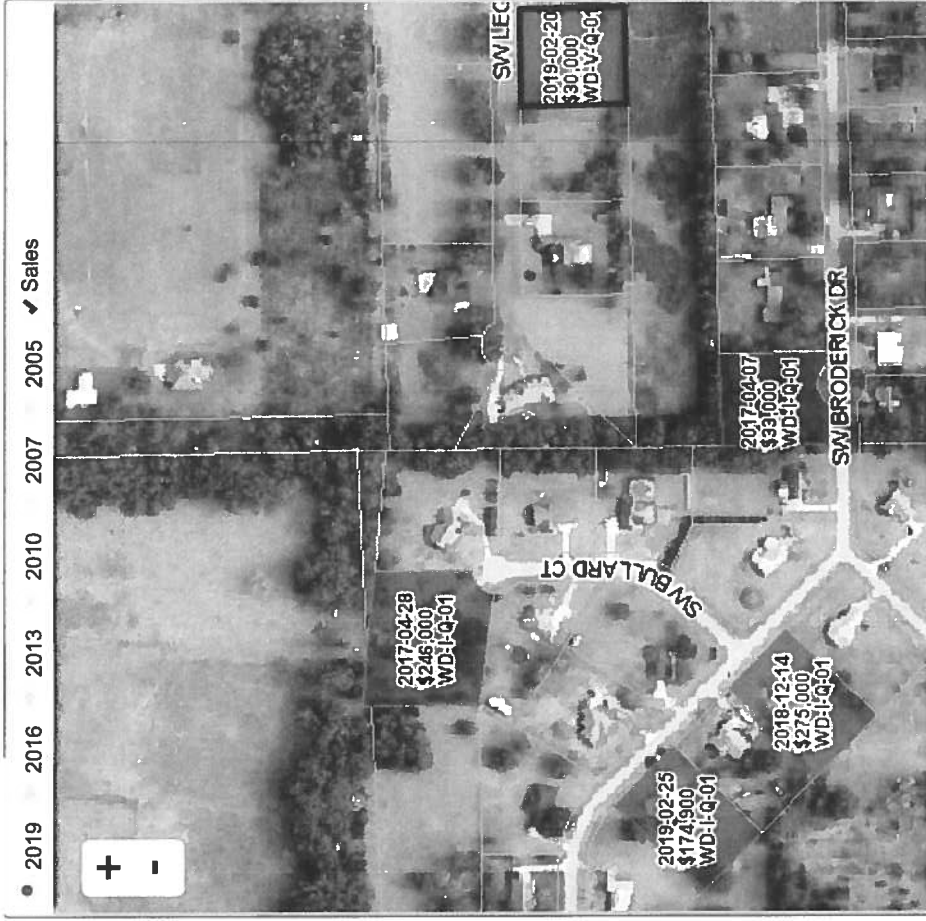
Owner	MICHAUD PAUL R & JULIA E 418 CABIN ROAD COLCHESTER, CT 06415		
Site	276 LEGACY GLN, LAKE CITY		
Description*	LOT 2 HERITAGE HILLS PHASE 1. WD 1378-2701		
Area	1.01 AC	S/T/R	18-4S-17E
Use Code**	VACANT (000000)	Tax District	2

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

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

Property & Assessment Values

2018 Certified Values		2019 Working Values	
Mkt Land (1)	\$20,602	Mkt Land (1)	\$20,602
Ag Land (0)	\$0	Ag Land (0)	\$0
Building (0)	\$0	Building (0)	\$0
XFOB (0)	\$0	XFOB (0)	\$0
Just	\$20,602	Just	\$20,602
Class	\$0	Class	\$0
Appraised	\$20,602	Appraised	\$20,602
SOH Cap [?]	\$0	SOH Cap [?]	\$0
Assessed	\$20,602	Assessed	\$20,602
Exempt	\$0	Exempt	\$0
Total Taxable	county:\$20,602 city:\$20,602 other:\$20,602 school:\$20,602	Total Taxable	county:\$20,602 city:\$20,602 other:\$20,602 school:\$20,602



▼ Sales History

Sale Date	Sale Price	Book/Page	Deed	V/I	Quality (Codes)	RCode
2/20/2019	\$30,000	1378/2701	WD	V	Q	01

▼ Building Characteristics

Bldg Sketch	Bldg Item	Bldg Desc*	Year Blt	Base SF	Actual SF	Bldg Value
NONE						

▼ Extra Features & Out Buildings (Codes)

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
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NOTICE OF COMMENCEMENT

Loan No: 4990014500

STATE OF FLORIDA
COUNTY OF Columbia

THE UNDERSIGNED hereby gives notice that improvements will be made to certain real property, and in accordance with Chapter 713, Florida Statutes, the following information is provided in this Notice of Commencement.

1. Description of Property:

- a. Property Address: 278 SW Legacy Glen
Lake City, FL 32025
- b. Legal Description: Lot 2, of HERITAGE HILLS PHASE 1, according to the Plat thereof, as recorded in Plat Book 7, Pages 143-144, of the Public Records of Columbia County, Florida. Together with a non-exclusive perpetual easement for ingress and egress over and across SW Legacy Glenn, a private road as shown on the plat of said subdivision.

2. Description of Improvements: Construction of Single Family Residence

3. Owner Information:

- a. Name and Address: Paul R Michaud and Julia E Michaud
418 Cabin Road, Colchester, CT 06415
- b. Interest in Property: Fee Simple
- c. Name and Address of Fee Simple Title Holder (if other than Owner)

4. Contractor Name and Address: ISAIAH CULLY

585 SW BISHOP AVENUE, LAKE CITY, FL 32024

5. Other Contractor(s) Name and Address:

6. Surety:

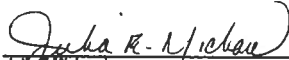
7. Lender: DRUMMOND COMMUNITY BANK

350 SW Main Blvd, Lake City, FL 32025

- 8. Persons within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by Section 713.13(1)(a)7, Florida Statutes: N/A
- 9. In addition to himself, Owner designated the following persons to receive a copy of the Lienor's Notice as provided in section 713.13(1)(b), Florida Statutes: N/A
- 10. Expiration date of Notice of Commencement (the expiration date is 1 year from the date of recording unless a different date is specified):

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


Paul R Michaud


Julia E Michaud

Sworn to and subscribed before me this April 24, 2019



Notary Public, State of ~~FL~~ Connecticut
At Large

My Commission Expires: _____

NOTICE OF COMMENCEMENT
Laser Forms Inc. #PEO105 4/18

NATASHA SISTARE
NOTARY PUBLIC
MY COMMISSION EXPIRES OCT. 31, 2023

Legend

Parcels

Roads

- Roads
- others
- Dirt
- Interstate
- Main
- Other
- Paved
- Private

Addressing:2018 Base Flood Elevation Group

2018 Base Flood Elevations

DEFAULT

Base Flood Elevations

2018 Base Flood Elevation Zones

0.2 PCT ANNUAL CHANCE

A

AE

AH

2018 Flood Zones

0.2 PCT ANNUAL CHANCE

A

AE

AH

Contours

default{Contours.shp}

DEFAULT

DevZones1

others

A-1

A-2

A-3

CG

CHI

CI

CN

CSV

ESA-2

I

ILW

MUD-I

PRD

PRRD

RMF-1

RMF-2

RO

RR

RSF-1

RSF-2

RSF-3

RSF/MH-1

RSF/MH-2

RSF/MH-3

DEFAULT

2018Aerials

Columbia County, FLA - Building & Zoning Property Map

Printed: Thu Jun 20 2019 13:17:25 GMT-0400 (Eastern Daylight Time)



Parcel Information

Parcel No: 18-4S-17-08466-012

Owner: HUDSON WAYNE T SR & GOLDIE K

Subdivision: HERITAGE HILLS PHASE 1

Lot:

Acres: 1.00989854

Deed Acres: 1.01 Ac

District: District 5 Tim Murphy

Future Land Uses: Residential - Very Low

Flood Zones:

Official Zoning Atlas: RSF-1

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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>2181</u>	Total (Sq. Ft.) under roof <u>2372</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	-		<input type="checkbox"/>
5	Dimensions of all building set backs	Yes		<input type="checkbox"/>
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		<input type="checkbox"/>
7	Provide a full legal description of property.	No		<input type="checkbox"/>

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

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

Elevations Drawing including:

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

Floor Plan Including:

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

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 Circled as Applicable		
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FBCR 403: Foundation Plans

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

FBCR 506: CONCRETE SLAB ON GRADE

35	Show Vapor retarder (6mil. Polyethylene with joints lap 6 inches and sealed)	Yes		<input checked="" type="checkbox"/>
36	Show control joints, synthetic fiber reinforcement or welded wire fabric reinforcement and Supports	Yes		<input checked="" type="checkbox"/>

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	Yes		<input checked="" type="checkbox"/>
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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	Yes		<input checked="" type="checkbox"/>
39	Show all Lintel sizes, type, spans and tie-beam sizes and spacing of reinforcement	Yes		<input checked="" type="checkbox"/>

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	Yes		<input type="checkbox"/>
41	Show conventional floor joist type, size, span, spacing and attachment to load bearing walls, stem walls and/or piers	Yes		<input type="checkbox"/>
42	Girder type, size and spacing to load bearing walls, stem wall and/or piers	Yes		<input type="checkbox"/>
43	Attachment of joist to girder	Yes		<input type="checkbox"/>
44	Wind load requirements where applicable	Yes		<input type="checkbox"/>
45	Show required under-floor crawl space	NA		<input type="checkbox"/>
46	Show required amount of ventilation opening for under-floor spaces	NA		<input type="checkbox"/>
47	Show required covering of ventilation opening	NA		<input type="checkbox"/>
48	Show the required access opening to access to under-floor spaces	NA		<input 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	Yes		<input type="checkbox"/>
50	Show Draftstopping, Fire caulking and Fire blocking	Yes		<input type="checkbox"/>
51	Show fireproofing requirements for garages attached to living spaces, per FBCR section 302.6	Yes		<input type="checkbox"/>
52	Provide live and dead load rating of floor framing systems (psf).	Yes		<input 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		
Select from Drop down				
53	Stud type, grade, size, wall height and oc spacing for all load bearing or shear walls	Yes		<input type="checkbox"/>
54	Fastener schedule for structural members per table FBC-R602.3.2 are to be shown	Yes		<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	Yes		<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	Yes		<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.	Yes		<input type="checkbox"/>
58	Indicate where pressure treated wood will be placed	Yes		<input type="checkbox"/>
59	Show all wall structural panel sheathing, grade, thickness and show fastener schedule for structural panel sheathing edges & intermediate areas	Yes		<input type="checkbox"/>
60	A detail showing gable truss bracing, wall balloon framing details or/ and wall hinge bracing detail	Yes		<input type="checkbox"/>

FBCR :ROOF SYSTEMS:

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

FBCR 802:Conventional Roof Framing Layout

66	Rafter and ridge beams sizes, span, species and spacing	Yes		<input type="checkbox"/>
67	Connectors to wall assemblies' include assemblies' resistance to uplift rating	Yes		<input type="checkbox"/>
68	Valley framing and support details	Yes		<input type="checkbox"/>
69	Provide dead load rating of rafter system	Yes		<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	Yes		<input type="checkbox"/>
71	Show fastener Size and schedule for structural panel sheathing on the edges & intermediate areas	Yes		<input type="checkbox"/>

ROOF ASSEMBLIES FRC Chapter 9

72	Include all materials which will make up the roof assembles covering	Yes			<input type="checkbox"/>
73	Submit Florida Product Approval numbers for each component of the roof assembles covering	Yes			<input type="checkbox"/>

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	Yes			<input type="checkbox"/>
75	Attic space	Yes			<input type="checkbox"/>
76	Exterior wall cavity	Yes			<input type="checkbox"/>
77	Crawl space	NA			<input type="checkbox"/>

HVAC information

78	Submit two copies of a Manual J sizing equipment or equivalent computation study	Yes			<input type="checkbox"/>
79	Exhaust fans shown in bathrooms Mechanical exhaust capacity of 50 cfm intermittent or 20 cfm continuous required	Yes			<input type="checkbox"/>
80	Show clothes dryer route and total run of exhaust duct	Yes			<input type="checkbox"/>

Plumbing Fixture layout shown

81	All fixtures waste water lines shall be shown on the foundation plan	Yes			<input type="checkbox"/>
82	Show the location of water heater	Yes			<input type="checkbox"/>

Private Potable Water

83	Pump motor horse power	NA			<input type="checkbox"/>
84	Reservoir pressure tank gallon capacity	NA			<input type="checkbox"/>
85	Rating of cycle stop valve if used	NA			<input type="checkbox"/>

Electrical layout shown including

86	Show Switches, receptacles outlets, lighting fixtures and Ceiling fans	Yes			<input type="checkbox"/>
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	Yes			<input type="checkbox"/>
88	Show the location of smoke detectors & Carbon monoxide detectors	Yes			<input type="checkbox"/>
89	Show service panel, sub-panel, location(s) and total ampere ratings	Yes			<input type="checkbox"/>
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	Yes			<input type="checkbox"/>
91	Appliances and HVAC equipment and disconnects	Yes			<input type="checkbox"/>
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.	Yes			<input type="checkbox"/>

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.	Yes	<input type="checkbox"/>	<input type="checkbox"/>
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	Yes	<input type="checkbox"/>	<input type="checkbox"/>
95	Environmental Health Permit or Sewer Tap Approval A copy of a approved Columbia County Environmental Health (386) 758-1058	Yes	<input type="checkbox"/>	<input type="checkbox"/>
96	City of Lake City A City Water and/or Sewer letter. Call 386-752-2031	Yes	<input type="checkbox"/>	<input type="checkbox"/>
97	Toilet facilities shall be provided for all construction sites	Yes	<input type="checkbox"/>	<input type="checkbox"/>
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.	Yes	<input type="checkbox"/>	<input type="checkbox"/>
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)	Yes	<input type="checkbox"/>	<input type="checkbox"/>
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.	Yes	<input type="checkbox"/>	<input type="checkbox"/>
101	A Flood development permit is also required for AE, Floodway & AH. Development permit cost is \$50.00	Yes	<input type="checkbox"/>	<input type="checkbox"/>
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.	Yes	<input type="checkbox"/>	<input type="checkbox"/>
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.	Yes	<input type="checkbox"/>	<input type="checkbox"/>

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.

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	Plast Pro	fiberglass door	FL# 14803.1
B. SLIDING			
C. SECTIONAL/ROLL UP			
D. OTHER			
2. WINDOWS			
A. SINGLE/DOUBLE HUNG	YKK	Single hung Vinyl	#17169.1
B. HORIZONTAL SLIDER			
C. CASEMENT			
D. FIXED			
E. MULLION			
F. SKYLIGHTS			
G. OTHER			
3. PANEL WALL			
A. SIDING	James hardi	Cement lap siding	13192.r4
B. SOFFITS			
C. STOREFRONTS			
D. GLASS BLOCK			
E. OTHER			
4. ROOFING PRODUCTS			
A. ASPHALT SHINGLES	GAF	Architectual Asphalt shingles	11651.28 r1
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: _____

Residential System Sizing Calculation

Summary

Fieldstone Dr
Lake City, FL 32024

Project Title:
Michaud Residence

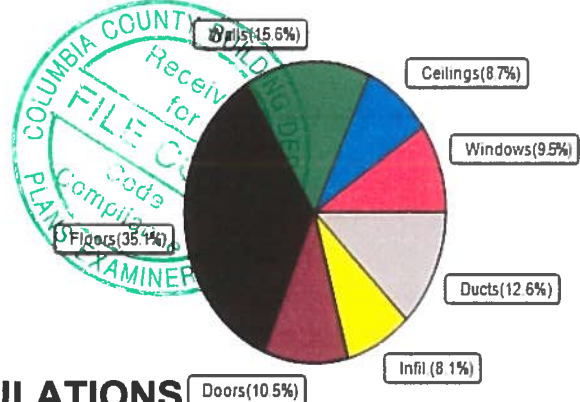
5/22/2019

Location for weather data: Gainesville, FL - Defaults: Latitude(29.7) Altitude(152 ft.) Temp Range(M)			
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(51gr.)			
Winter design temperature(TMY3 99%)	30 F	Summer design temperature(TMY3 99%)	94 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	40 F	Summer temperature difference	19 F
Total heating load calculation	31990 Btuh	Total cooling load calculation	20702 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	112.5 36000	Sensible (SHR = 0.85)	167.6 30600
Heat Pump + Auxiliary(0.0kW)	112.5 36000	Latent	220.9 5400
		Total (Electric Heat Pump)	173.9 36000

WINTER CALCULATIONS

Winter Heating Load (for 2181 sqft)

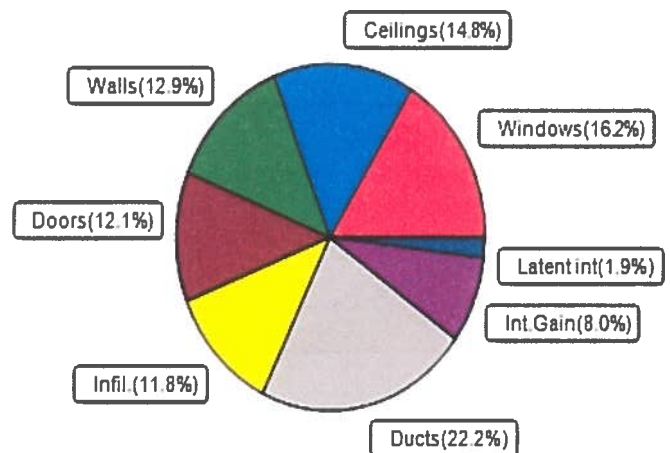
Load component		Load	
Window total	231 sqft	3049	Btuh
Wall total	1657 sqft	4980	Btuh
Door total	206 sqft	3344	Btuh
Ceiling total	2181 sqft	2778	Btuh
Floor total	2181 sqft	11234	Btuh
Infiltration	59 cfm	2585	Btuh
Duct loss		4020	Btuh
Subtotal		31990	Btuh
Ventilation	0 cfm	0	Btuh
TOTAL HEAT LOSS		31990	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 2181 sqft)

Load component		Load	
Window total	231 sqft	3363	Btuh
Wall total	1657 sqft	2665	Btuh
Door total	206 sqft	2508	Btuh
Ceiling total	2181 sqft	3056	Btuh
Floor total		0	Btuh
Infiltration	44 cfm	921	Btuh
Internal gain		1660	Btuh
Duct gain		4084	Btuh
Sens. Ventilation	0 cfm	0	Btuh
Blower Load		0	Btuh
Total sensible gain		18257	Btuh
Latent gain(ducts)		517	Btuh
Latent gain(infiltration)		1528	Btuh
Latent gain(ventilation)		0	Btuh
Latent gain(internal/occupants/other)		400	Btuh
Total latent gain		2445	Btuh
TOTAL HEAT GAIN		20702	Btuh



8th Edition

EnergyGauge® System Sizing

PREPARED BY: _____

DATE: _____


FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name: Michaud Residence Street: Fieldstone Dr City, State, Zip: Lake City, FL, 32024 Owner: Design Location: FL, Gainesville	Builder Name: IC Construction LLC Permit Office: Permit Number: Jurisdiction: County: Columbia (Florida Climate Zone 2)
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<table style="width:100%;"> <tr> <td>1. New construction or existing</td> <td>New (From Plans)</td> </tr> <tr> <td>2. Single family or multiple family</td> <td>Single-family</td> </tr> <tr> <td>3. Number of units, if multiple family</td> <td>1</td> </tr> <tr> <td>4. Number of Bedrooms</td> <td>3</td> </tr> <tr> <td>5. Is this a worst case?</td> <td>No</td> </tr> <tr> <td>6. Conditioned floor area above grade (ft²)</td> <td>2181</td> </tr> <tr> <td>Conditioned floor area below grade (ft²)</td> <td>0</td> </tr> <tr> <td>7. Windows(231.0 sqft.)</td> <td>Description Area</td> </tr> <tr> <td>a. U-Factor:</td> <td>Dbl, U=0.33 231.00 ft²</td> </tr> <tr> <td>SHGC:</td> <td>SHGC=0.22</td> </tr> <tr> <td>b. U-Factor:</td> <td>N/A ft²</td> </tr> <tr> <td>SHGC:</td> <td></td> </tr> <tr> <td>c. U-Factor:</td> <td>N/A ft²</td> </tr> <tr> <td>SHGC:</td> <td></td> </tr> <tr> <td>d. U-Factor:</td> <td>N/A ft²</td> </tr> <tr> <td>SHGC:</td> <td></td> </tr> <tr> <td colspan="2">Area Weighted Average Overhang Depth: 1.890 ft.</td> </tr> <tr> <td colspan="2">Area Weighted Average SHGC: 0.220</td> </tr> <tr> <td>8. Floor Types (2181.0 sqft.)</td> <td>Insulation Area</td> </tr> <tr> <td>a. Slab-On-Grade Edge Insulation</td> <td>R=0.0 2181.00 ft²</td> </tr> <tr> <td>b. N/A</td> <td>R= ft²</td> </tr> <tr> <td>c. N/A</td> <td>R= ft²</td> </tr> </table>	1. New construction or existing	New (From Plans)	2. Single family or multiple family	Single-family	3. Number of units, if multiple family	1	4. Number of Bedrooms	3	5. Is this a worst case?	No	6. Conditioned floor area above grade (ft²)	2181	Conditioned floor area below grade (ft²)	0	7. Windows(231.0 sqft.)	Description Area	a. U-Factor:	Dbl, U=0.33 231.00 ft²	SHGC:	SHGC=0.22	b. U-Factor:	N/A ft²	SHGC:		c. U-Factor:	N/A ft²	SHGC:		d. U-Factor:	N/A ft²	SHGC:		Area Weighted Average Overhang Depth: 1.890 ft.		Area Weighted Average SHGC: 0.220		8. Floor Types (2181.0 sqft.)	Insulation Area	a. Slab-On-Grade Edge Insulation	R=0.0 2181.00 ft²	b. N/A	R= ft²	c. N/A	R= ft²	<table style="width:100%;"> <tr> <td>9. Wall Types(2094.0 sqft.)</td> <td>Insulation Area</td> </tr> <tr> <td>a. Frame - Wood, Exterior</td> <td>R=19.0 2094.00 ft²</td> </tr> <tr> <td>b. N/A</td> <td>R= ft²</td> </tr> <tr> <td>c. N/A</td> <td>R= ft²</td> </tr> <tr> <td>d. N/A</td> <td>R= ft²</td> </tr> <tr> <td>10. Ceiling Types (2181.0 sqft.)</td> <td>Insulation Area</td> </tr> <tr> <td>a. Under Attic (Vented)</td> <td>R=30.0 2181.00 ft²</td> </tr> <tr> <td>b. N/A</td> <td>R= ft²</td> </tr> <tr> <td>c. N/A</td> <td>R= ft²</td> </tr> <tr> <td>11. Ducts</td> <td>R= ft²</td> </tr> <tr> <td>a. Sup: Attic, Ret: Attic, AH: Main</td> <td>6 436.2</td> </tr> <tr> <td>12. Cooling systems</td> <td>kBtu/hr Efficiency</td> </tr> <tr> <td>a. Central Unit</td> <td>36.0 SEER:14.00</td> </tr> <tr> <td>13. Heating systems</td> <td>kBtu/hr Efficiency</td> </tr> <tr> <td>a. Electric Heat Pump</td> <td>36.0 HSPF:8.50</td> </tr> <tr> <td>14. Hot water systems</td> <td>Cap: 1 gallons</td> </tr> <tr> <td>a. Propane Tankless</td> <td>EF: 0.590</td> </tr> <tr> <td>b. Conservation features</td> <td></td> </tr> <tr> <td>None</td> <td></td> </tr> <tr> <td>15. Credits</td> <td>CF, Pstat</td> </tr> </table>	9. Wall Types(2094.0 sqft.)	Insulation Area	a. Frame - Wood, Exterior	R=19.0 2094.00 ft²	b. N/A	R= ft²	c. N/A	R= ft²	d. N/A	R= ft²	10. Ceiling Types (2181.0 sqft.)	Insulation Area	a. Under Attic (Vented)	R=30.0 2181.00 ft²	b. N/A	R= ft²	c. N/A	R= ft²	11. Ducts	R= ft²	a. Sup: Attic, Ret: Attic, AH: Main	6 436.2	12. Cooling systems	kBtu/hr Efficiency	a. Central Unit	36.0 SEER:14.00	13. Heating systems	kBtu/hr Efficiency	a. Electric Heat Pump	36.0 HSPF:8.50	14. Hot water systems	Cap: 1 gallons	a. Propane Tankless	EF: 0.590	b. Conservation features		None		15. Credits	CF, Pstat
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Area Weighted Average Overhang Depth: 1.890 ft.																																																																																					
Area Weighted Average SHGC: 0.220																																																																																					
8. Floor Types (2181.0 sqft.)	Insulation Area																																																																																				
a. Slab-On-Grade Edge Insulation	R=0.0 2181.00 ft²																																																																																				
b. N/A	R= ft²																																																																																				
c. N/A	R= ft²																																																																																				
9. Wall Types(2094.0 sqft.)	Insulation Area																																																																																				
a. Frame - Wood, Exterior	R=19.0 2094.00 ft²																																																																																				
b. N/A	R= ft²																																																																																				
c. N/A	R= ft²																																																																																				
d. N/A	R= ft²																																																																																				
10. Ceiling Types (2181.0 sqft.)	Insulation Area																																																																																				
a. Under Attic (Vented)	R=30.0 2181.00 ft²																																																																																				
b. N/A	R= ft²																																																																																				
c. N/A	R= ft²																																																																																				
11. Ducts	R= ft²																																																																																				
a. Sup: Attic, Ret: Attic, AH: Main	6 436.2																																																																																				
12. Cooling systems	kBtu/hr Efficiency																																																																																				
a. Central Unit	36.0 SEER:14.00																																																																																				
13. Heating systems	kBtu/hr Efficiency																																																																																				
a. Electric Heat Pump	36.0 HSPF:8.50																																																																																				
14. Hot water systems	Cap: 1 gallons																																																																																				
a. Propane Tankless	EF: 0.590																																																																																				
b. Conservation features																																																																																					
None																																																																																					
15. Credits	CF, Pstat																																																																																				

Glass/Floor Area: 0.106	Total Proposed Modified Loads: 60.35	PASS
	Total Baseline Loads: 61.34	

<p>I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code.</p> <p>PREPARED BY: _____</p> <p>DATE: _____</p> <p>I hereby certify that this building, as designed, is in compliance with the Florida Energy Code.</p> <p>OWNER/AGENT: _____</p> <p>DATE: 6/7/19</p>	<p>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.</p> <p>BUILDING OFFICIAL: _____</p> <p>DATE: _____</p> <div style="text-align: center;">  </div>
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- Compliance requires certification by the air handler unit manufacturer that the air handler enclosure qualifies as certified factory-sealed in accordance with R403.3.2.1.
- Compliance requires an Air Barrier and Insulation Inspection Checklist in accordance with R402.4.1.1 and this project requires an envelope leakage test report with envelope leakage no greater than 5.00 ACH50 (R402.4.1.2).
- Compliance with a proposed duct leakage Qn requires a Duct Leakage Test Report confirming duct leakage to outdoors, tested in accordance with ANSI/RESNET/ICC 380, is not greater than 0.030 Qn for whole house.

INPUT SUMMARY CHECKLIST REPORT

PROJECT

Title:	Michaud Residence	Bedrooms:	3	Address Type:	Street Address
Building Type:	User	Conditioned Area:	2525	Lot #	
Owner Name:		Total Stories:	1	Block/Subdivision:	
# of Units:	1	Worst Case:	No	PlatBook:	
Builder Name:	IC Construction LLC	Rotate Angle:	0	Street:	Fieldstone Dr
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	Design Temp		Int Design Temp		Heating	Design	Daily Temp
			97.5 %	2.5 %	Winter	Summer	Degree Days	Moisture	Range
_____	FL, Gainesville	FL_GAINESVILLE_REGI	32	92	70	75	1305.5	51	Medium

BLOCKS

Number	Name	Area	Volume
1	Block1	2181	19629

SPACES

Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Infil ID	Finished	Cooled	Heated
1	Main	2181	19629	Yes	2	3	1	Yes	Yes	Yes

FLOORS

✓	#	Floor Type	Space	Perimeter	R-Value	Area		Tile	Wood	Carpet
_____	1	Slab-On-Grade Edge Insulatio	Main	238 ft	0	2181 ft²	----	0.33	0.33	0.34

ROOF

✓	#	Type	Materials	Roof Area	Gable Area	Roof Color	Rad Barr	Solar Absor.	SA Tested	Emitt	Emitt Tested	Deck Insul.	Pitch (deg)
_____	1	Hip	Composition shingles	2439 ft²	0 ft²	Medium	N	0.85	No	0.9	No	0	26.6

ATTIC

✓	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
_____	1	Full attic	Vented	300	2181 ft²	N	N

CEILING

✓	#	Ceiling Type	Space	R-Value	Ins Type	Area	Framing Frac	Truss Type
_____	1	Under Attic (Vented)	Main	30	Blown	2181 ft²	0.11	Wood

INPUT SUMMARY CHECKLIST REPORT

WALLS

✓ #	Omt	Adjacent To	Wall Type	Space	Cavity R-Value	Width Ft	In	Height Ft	In	Area	Sheathing R-Value	Framing Fraction	Solar Absor	Below Grade%
1	S	Exterior	Frame - Wood	Main	19	44	6	9		400.5 ft²	0.625	0.23	0.75	0
2	W	Exterior	Frame - Wood	Main	19	52	4	9		471.0 ft²	0.625	0.23	0.75	0
3	N	Exterior	Frame - Wood	Main	19	24	4	9		219.0 ft²	0.625	0.23	0.75	0
4	E	Exterior	Frame - Wood	Main	19	23	8	9		213.0 ft²	0.625	0.23	0.75	0
5	N	Exterior	Frame - Wood	Main	19	16	4	9		147.0 ft²	0.625	0.23	0.75	0
6	W	Exterior	Frame - Wood	Main	19	9	4	9		84.0 ft²	0.625	0.23	0.75	0
7	N	Exterior	Frame - Wood	Main	19	14		9		126.0 ft²	0.625	0.23	0.75	0
8	E	Exterior	Frame - Wood	Main	19	29		9		261.0 ft²	0.625	0.23	0.75	0
9	S	Exterior	Frame - Wood	Main	19	10	2	9		91.5 ft²	0.625	0.23	0.75	0
10	E	Exterior	Frame - Wood	Main	19	9		9		81.0 ft²	0.625	0.23	0.75	0

DOORS

✓ #	Omt	Door Type	Space	Storms	U-Value	Width Ft	In	Height Ft	In	Area
1	W	Insulated	Main	None	.4	18		7		126 ft²
2	W	Insulated	Main	None	.4	3		6	8	20 ft²
3	N	Insulated	Main	None	.46	3		6	8	20 ft²
4	E	Insulated	Main	None	.4	6		6	8	40 ft²

WINDOWS

Orientation shown is the entered, Proposed orientation.

✓ #	Omt	Wall ID	Frame	Panes	NFRC	U-Factor	SHGC	Imp	Area	Overhang Depth	Separation	Int Shade	Screening
1	S	1	Vinyl	Low-E Double	Yes	0.33	0.22	N	90.0 ft²	1 ft 6 in	1 ft 4 in	None	None
2	S	1	Vinyl	Low-E Double	Yes	0.33	0.22	N	30.0 ft²	1 ft 6 in	1 ft 4 in	None	None
3	W	2	Vinyl	Low-E Double	Yes	0.33	0.22	N	20.0 ft²	1 ft 6 in	1 ft 4 in	None	None
4	W	2	Vinyl	Low-E Double	Yes	0.33	0.22	N	12.0 ft²	1 ft 6 in	1 ft 4 in	None	None
5	N	3	Vinyl	Low-E Double	Yes	0.33	0.22	N	30.0 ft²	1 ft 6 in	1 ft 4 in	None	None
6	N	5	Vinyl	Low-E Double	Yes	0.33	0.22	N	15.0 ft²	7 ft 6 in	1 ft 4 in	None	None
7	N	7	Vinyl	Low-E Double	Yes	0.33	0.22	N	15.0 ft²	1 ft 6 in	1 ft 4 in	None	None
8	E	8	Vinyl	Low-E Double	Yes	0.33	0.22	N	4.0 ft²	1 ft 6 in	1 ft 4 in	None	None
9	E	8	Vinyl	Low-E Double	Yes	0.33	0.22	N	15.0 ft²	1 ft 6 in	1 ft 4 in	None	None

INFILTRATION

#	Scope	Method	SLA	CFM 50	ELA	EqLA	ACH	ACH 50
1	Wholehouse	Proposed ACH(50)	.000286	1635.8	89.8	168.88	.1128	5

INPUT SUMMARY CHECKLIST REPORT

HEATING SYSTEM

<input checked="" type="checkbox"/>	#	System Type	Subtype	Efficiency	Capacity	Block	Ducts
<input type="checkbox"/>	1	Electric Heat Pump/	None	HSPF:8.5	36 kBtu/hr	1	sys#1

COOLING SYSTEM

<input checked="" type="checkbox"/>	#	System Type	Subtype	Efficiency	Capacity	Air Flow	SHR	Block	Ducts
<input type="checkbox"/>	1	Central Unit/	None	SEER: 14	36 kBtu/hr	1080 cfm	0.85	1	sys#1

HOT WATER SYSTEM

<input checked="" type="checkbox"/>	#	System Type	SubType	Location	EF	Cap	Use	SetPnt	Conservation
<input type="checkbox"/>	1	Propane	Tankless	Exterior	0.59	1 gal	60 gal	120 deg	None

SOLAR HOT WATER SYSTEM

<input checked="" type="checkbox"/>	FSEC Cert #	Company Name	System Model #	Collector Model #	Collector Area	Storage Volume	FEF
<input type="checkbox"/>	None	None			ft²		

DUCTS

<input checked="" type="checkbox"/>	#	--- Supply --- Location	R-Value	Area	--- Return --- Location	Area	Leakage Type	Air Handler	CFM 25 TOT	CFM25 OUT	QN	RLF	HVAC # Heat	Cool
<input type="checkbox"/>	1	Attic	6	436.2 ft	Attic	109.05	Prop. Leak Free	Main	— cfm	65.4 cfm	0.03	0.50	1	1

TEMPERATURES

Programable Thermostat: Y

Ceiling Fans:

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

MASS

Mass Type	Area	Thickness	Furniture Fraction	Space
Default(8 lbs/sq.ft.	0 ft²	0 ft	0.3	Main



Lumber design values are in accordance with ANSI/TPI 1 section 6.3
These truss designs rely on lumber values established by others.

RE: 1767895 - IC CONST. - MICHAUD RES.

MiTek USA, Inc.

6904 Parke East Blvd.
Tampa, FL 33610-4115

Site Information:

Customer Info: IC Construction Project Name: Michaud Res. Model: Custom
Lot/Block: 2 Subdivision: Heritate Hills
Address: TBD, TBD
City: Columbia Cty State: FL

Name Address and License # of Structural Engineer of Record, If there is one, for the building.

Name: License #:
Address:
City: State:

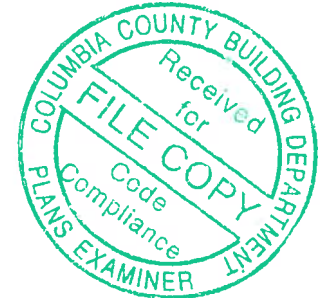
General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions):

Design Code: FBC2017/TPI2014 Design Program: MiTek 20/20 8.2
Wind Code: ASCE 7-10 Wind Speed: 130 mph
Roof Load: 37.0 psf Floor Load: N/A psf

This package includes 31 individual, Truss Design Drawings and 0 Additional Drawings.

With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.

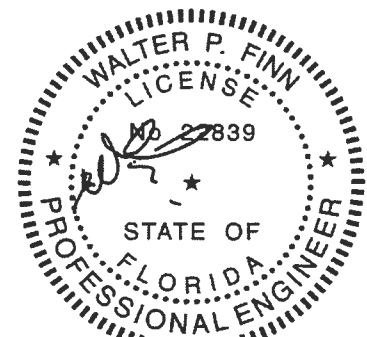
No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	T17063434	CJ01	5/15/19	23	T17063456	T13	5/15/19
2	T17063435	CJ03	5/15/19	24	T17063457	T14	5/15/19
3	T17063436	CJ03A	5/15/19	25	T17063458	T15	5/15/19
4	T17063437	CJ05	5/15/19	26	T17063459	T16	5/15/19
5	T17063438	CJ05A	5/15/19	27	T17063460	T17	5/15/19
6	T17063439	EJ01	5/15/19	28	T17063461	T18	5/15/19
7	T17063440	EJ02	5/15/19	29	T17063462	T19	5/15/19
8	T17063441	HJ10	5/15/19	30	T17063463	T19G	5/15/19
9	T17063442	HJ10A	5/15/19	31	T17063464	T20	5/15/19
10	T17063443	T01	5/15/19				
11	T17063444	T01G	5/15/19				
12	T17063445	T02	5/15/19				
13	T17063446	T03	5/15/19				
14	T17063447	T04	5/15/19				
15	T17063448	T05	5/15/19				
16	T17063449	T06	5/15/19				
17	T17063450	T07	5/15/19				
18	T17063451	T08	5/15/19				
19	T17063452	T09	5/15/19				
20	T17063453	T10	5/15/19				
21	T17063454	T11	5/15/19				
22	T17063455	T12	5/15/19				



The truss drawing(s) referenced above have been prepared by MiTek USA, Inc. under my direct supervision based on the parameters provided by Builders FirstSource-Jacksonville.

Truss Design Engineer's Name: Finn, Walter
My license renewal date for the state of Florida is February 28, 2021.

IMPORTANT NOTE: The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which were given to MiTek or TRENCO. Any project specific information included is for MiTek's or TRENCO's customers file reference purpose only, and was not taken into account in the preparation of these designs. MiTek or TRENCO has not independently verified the applicability of the design parameters or the designs for any particular building. Before use, the building designer should verify applicability of design parameters and properly incorporate these designs into the overall building design per ANSI/TPI 1, Chapter 2.



Walter P. Finn PE No. 22839
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

May 15, 2019

Finn, Walter

1 of 1

A&B Well Drilling, Inc.

5673 NW Lake Jeffery Road
Lake City, FL 32055
Telephone: (386) 758-3409
Cell: (386) 623-3151
Fax: (386) 758-3410
Owner: Bruce Park

June 10, 2019

To: Columbia County Building Department

Description of Well to be installed for Customer _____Paul Michaud_____

Located @ Address: _____276 Legacy Gl_____

1 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