

43016  
New App# 43757 tomorrow

\$1372.05

Columbia County New Building Permit Application

**For Office Use Only** Application # 1909-11 Date Received 9/6/19 By MG Permit # 38749/38750  
Zoning Official TC/BS Date 10-4-19 Flood Zone X P.S. Land Use Ag Zoning PRD  
FEMA Map # N/A Elevation N/A MFE 1' Above River N/A Plans Examiner TC Date 10-4-19  
Comments House Clear of 200' Buffer F. 30 sides 25' Rear 25' Floor 1' Above Rd.  
☐ NOC ☒ EH ☒ Deed or PA ☒ Site Plan ☐ State Road Info ☒ Well letter ☒ 911 Sheet ☐ Parent Parcel #  
☐ Dev Permit # ☐ In Floodway ☐ Letter of Auth. from Contractor ☐ F W Comp. letter  
☐ Owner Builder Disclosure Statement ☐ Land Owner Affidavit ☐ Ellisville Water ☒ App Fee Paid ☒ Sub VF Form

Septic Permit No. 19-0738 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 Brown Road Builders Properties LLC Phone 386-365-5829

911 Address 556 NW High point Dr, Lake city FL 32055

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 Geisler. 1578 NW Brown rd, Lake City FL

Mortgage Lenders Name & Address \_\_\_\_\_

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

Property ID Number 20-3S-16-02202-109 Estimated Construction Cost 150,000

Subdivision Name High Pointe Lot 9 Block \_\_\_\_\_ Unit \_\_\_\_\_ Phase \_\_\_\_\_

Driving Directions from a Major Road HWY 90 West to brown rd, brown rd to SW Brook loop, right on high point dr, Site on left at end of rd.

Construction of SF Residence Commercial OR X Residential

Proposed Use/Occupancy home 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 ☐ Have an Existing Drive

Actual Distance of Structure from Property Lines - Front 75 Side RH 17.5 Side LH 23.5 Rear 544

Number of Stories 1 Heated Floor Area 2,381 Total Floor Area 3,391 Acreage 3.71

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

**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.

Brown Road Builders, Inc. [Signature]  
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.

[Signature]  
Contractor's Signature

CBC  
Contractor's License Number 1250655  
Columbia County  
Competency Card Number 1179 ✓

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 6<sup>th</sup> day of August 2019.  
Personally known ✓ or Produced Identification \_\_\_\_\_

[Signature]  
State of Florida Notary Signature (For the Contractor)

SEAL:



# SUBCONTRACTOR VERIFICATION

APPLICATION/PERMIT # \_\_\_\_\_ JOB NAME \_\_\_\_\_

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

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

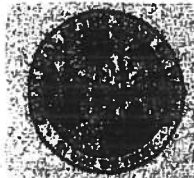
**NOTE:** It shall be the responsibility of the general contractor to make sure that all of the subcontractors are licensed with the Columbia County Building Department.

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

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

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

<b>ELECTRICAL</b> <input checked="" type="checkbox"/>	<b>CC#</b> <u>871</u>	<b>Print Name</b> <u>Dennis Conklin</u> <b>Company Name:</b> <u>D+S Electric</u> <b>License #:</b> <u>13003800</u>	<b>Signature</b> <u>Dennis Conklin</u> <b>Phone #:</b> <u>386 397-5731</u>	<b>Need</b> <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
<b>MECHANICAL/</b> <b>A/C</b> <input checked="" type="checkbox"/>	<b>CC#</b> <u>802</u>	<b>Print Name</b> <u>Clint Wilson</u> <b>Company Name:</b> <u>Wilson Heat &amp; Air</u> <b>License #:</b> <u>CACG 57886</u>	<b>Signature</b> <u>Clint Wilson</u> <b>Phone #:</b> <u>386 496-9000</u>	<b>Need</b> <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
<b>PLUMBING/</b> <b>GAS</b> <input checked="" type="checkbox"/>	<b>CC#</b> <u>715</u>	<b>Print Name</b> <u>Code Bars</u> <b>Company Name:</b> <u>Bars Plumbing</u> <b>License #:</b> <u>CPL1427245</u>	<b>Signature</b> <u>Code Bars</u> <b>Phone #:</b> <u>386 623-0509</u>	<b>Need</b> <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
<b>ROOFING</b> <input checked="" type="checkbox"/>	<b>CC#</b> <u>494</u>	<b>Print Name</b> <u>Carlos Laughlin</u> <b>Company Name:</b> <u>Precision Exterior</u> <b>License #:</b> <u>CCC 1327718</u>	<b>Signature</b> <u>Carlos Laughlin</u> <b>Phone #:</b> <u>386-867-1439</u>	<b>Need</b> <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
<b>SHEET METAL</b> <input type="checkbox"/>	<b>CC#</b> _____	<b>Print Name</b> _____ <b>Company Name:</b> _____ <b>License #:</b> _____	<b>Signature</b> _____ <b>Phone #:</b> _____	<b>Need</b> <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
<b>FIRE SYSTEM/</b> <b>SPRINKLER</b> <input type="checkbox"/>	<b>CC#</b> _____	<b>Print Name</b> _____ <b>Company Name:</b> _____ <b>License #:</b> _____	<b>Signature</b> _____ <b>Phone #:</b> _____	<b>Need</b> <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
<b>SOLAR</b> <input type="checkbox"/>	<b>CC#</b> _____	<b>Print Name</b> _____ <b>Company Name:</b> _____ <b>License #:</b> _____	<b>Signature</b> _____ <b>Phone #:</b> _____	<b>Need</b> <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
<b>STATE</b> <input type="checkbox"/> <b>SPECIALTY</b>	<b>CC#</b> _____	<b>Print Name</b> _____ <b>Company Name:</b> _____ <b>License #:</b> _____	<b>Signature</b> _____ <b>Phone #:</b> _____	<b>Need</b> <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE



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

CR # 10-7352

PERMIT NO. 19-0738  
DATE PAID: 10/3/19  
FEE PAID: 510.00  
RECEIPT #: 1944688

## APPLICATION FOR:

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

APPLICANT: BROWN ROAD PROPERTIES, LLC.AGENT: IC CONSTRUCTIONTELEPHONE: (386) 867-0086MAILING ADDRESS: 818 WEST DUVAL STREETLAKE CITYFL 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: 9 BLOCK: N/A SUBDIVISION: HIGH POINTE S/D PLATTED: 3/23/07PROPERTY ID #: 20-3S-16-02202-109 ZONING: RES I/M OR EQUIVALENT: ☐ NO ☐PROPERTY SIZE: 2.860 ACRES WATER SUPPLY: ☒ PRIVATE PUBLIC ☐  $\leq 2000\text{GPD}$  ☐  $> 2000\text{GPD}$ IS SEWER AVAILABLE AS PER 381.0065, FS? ☐ NO ☐ DISTANCE TO SEWER: N/A FTPROPERTY ADDRESS: 556 NW HIGH POINTE DRIVE

DIRECTIONS TO PROPERTY: TAKE HWY 90 WEST, TURN RIGHT ON BROWN ROAD, TURN LEFT ON BROOK LOOP, TURN RIGHT ON NW HIGH POINTE DRIVE, SITE IS NEAR THE END 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	4	2,381	
2				
3				
4				

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

SIGNATURE: \_\_\_\_\_

DATE: 10/3/19

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

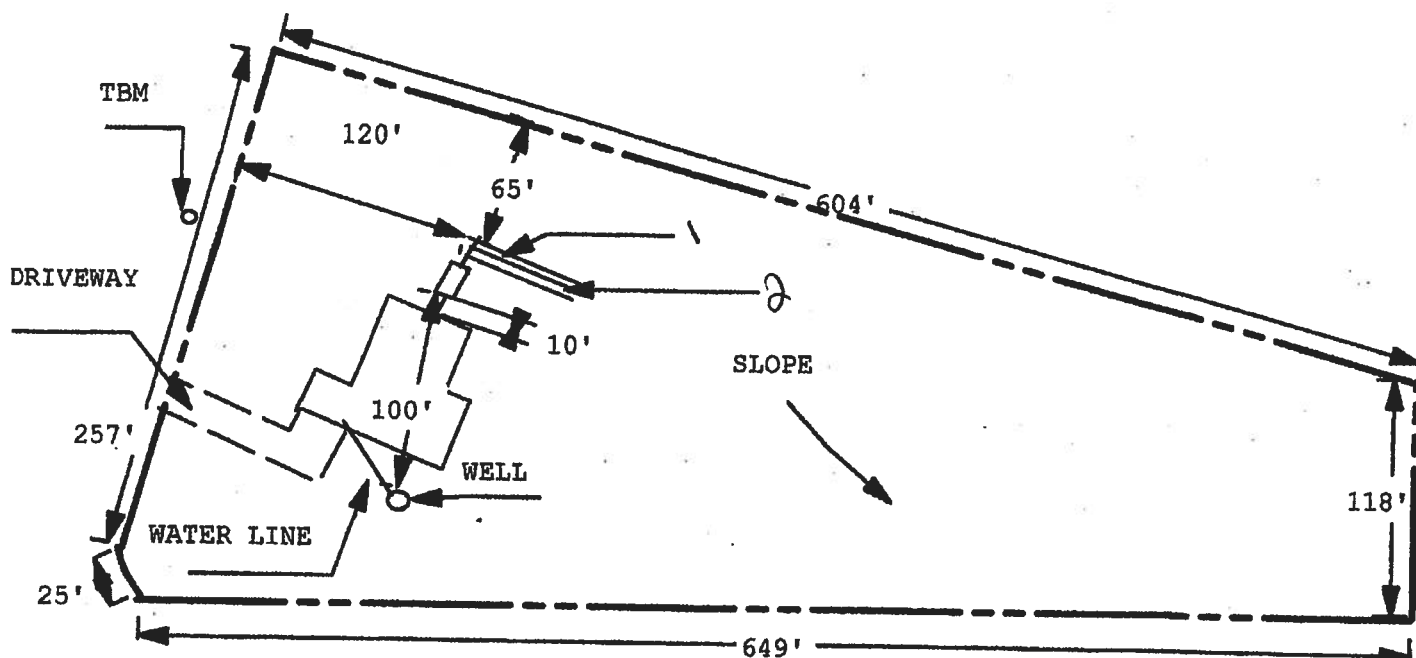


Application for Onsite Sewage Disposal System  
Construction Permit. Part II Site Plan  
Permit Application Number: 19-1738

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

## NORTH

CR# 10-7352



NO WELLS WITHIN 100'

1 INCH = 90 FEET

Site Plan Submitted By Paul H. [Signature] Date 10/6/19  
Plan Approved ✓ Not Approved \_\_\_\_\_ Date \_\_\_\_\_  
By Sallie Ford Env Health Director Columbia CPHU

**Notes:**

# 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

September 6, 2019

To: Columbia County Building Department

Description of Well to be installed for Customer \_IC Const\_\_\_\_\_

Located @ Address: \_\_\_586 NW High Point Farms\_\_\_\_\_

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

Lot 9

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: **9/27/2019 12:30:10 PM**  
Address: **556 NW HIGH POINT Dr**  
City: **LAKE CITY**  
State: **FL**  
Zip Code **32055**

Parcel ID **02202-109**

REMARKS: Address for proposed structure on parcel.

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

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

Columbia County GIS/911 Addressing Coordinator

**COLUMBIA COUNTY  
911 ADDRESSING / GIS DEPARTMENT**

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

Florida Department of State

DIVISION OF CORPORATIONS

[Department of State](#) / [Division of Corporations](#) / [Search Records](#) / [Detail By Document Number](#) /**Detail by Entity Name**

Florida Limited Liability Company  
BROWN ROAD PROPERTIES, LLC

**Filing Information**

<b>Document Number</b>	L10000015656
<b>FEI/EIN Number</b>	27-1873689
<b>Date Filed</b>	02/10/2010
<b>Effective Date</b>	02/10/2010
<b>State</b>	FL
<b>Status</b>	ACTIVE

**Principal Address**

1140 SW Bascom Norris Drive  
Suite #107  
Lake City, FL 32025

Changed: 08/29/2014

**Mailing Address**

1140 SW Bascom Norris Drive  
Suite #107  
Lake City, FL 32025

Changed: 08/29/2014

**Registered Agent Name & Address**

MUENCHEN, JOHN R  
1140 SW Bascom Norris Drive  
Suite #107  
Lake City, FL 32025

Address Changed: 08/29/2014

**Authorized Person(s) Detail****Name & Address**

Title MGRM

MUENCHEN, JOHN R  
1140 SW Bascom Norris Drive  
Suite #107  
Lake City, FL 32025



EAST 1/2 OF SECTION 19

OWNER: ROD BORDON  
UNPLATTED  
ZONE A-3

SECTION 20  
E 1/2 OF SECTION 30

# PLANNED RURAL RESIDENTIAL DEVELOPMENT HIGH POINTE

SECTION 20  
TOWNSHIP 03 SOUTH, RANGE 16 EAST  
COLUMBIA COUNTY, FLORIDA.

WEST 1/2 OF SECTION 29

UTILITY EASEMENT DETAIL.

DENOTES OF EASEMENT TO BE SHOWN HEREON FOR  
MAINTENANCE AND OPERATION OF CABLE TELEVISION SERVICE.

J. SHERMAN FRIER & ASSOCIATES, INC.

LAND SURVEYORS

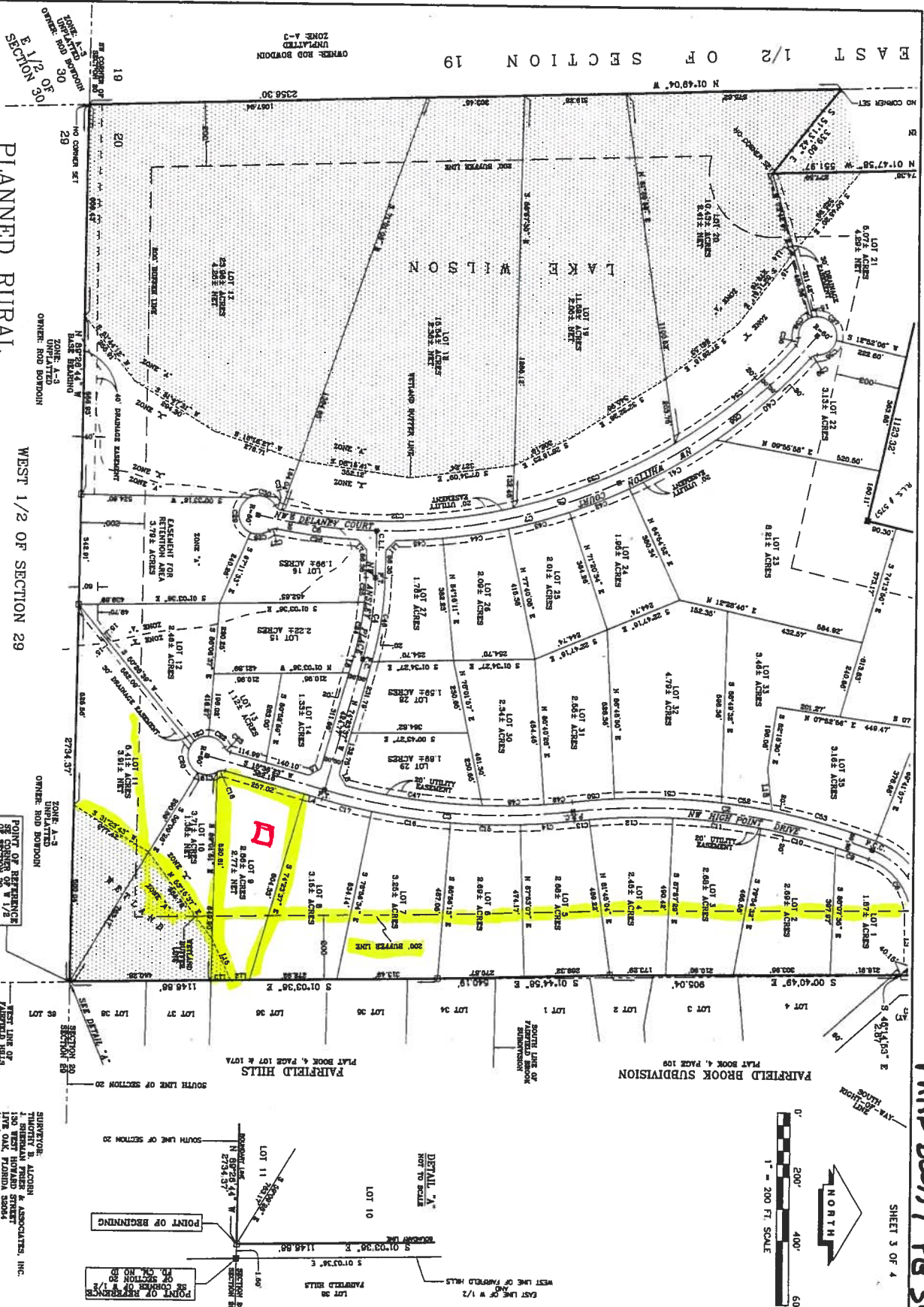
CERTIFICATE OF AUTHORIZATION - L&P 7170  
130 W. HOWARD ST. / P.O. BOX 680 LEE OAK, FL 32064  
PHONE: 386-362-4620 - FAX: 386-362-6270

DATE SURVEYED: 02-06-07  
DATE DRAWN: 03-07-07  
APPROVED BY: [Signature]  
DRAWN BY: SH

POINT OF BEGINNING  
OF SECTION 20  
OF TOWNSHIP 30

WEST LINE OF  
FAIRFIELD HILLS

SURVEYOR:  
J. SHERMAN FRIER & ASSOCIATES, INC.  
130 W. HOWARD STREET  
LEE OAK, FLORIDA 32064  
PH: 386-362-4620  
FAX: 386-362-6270



Legend

2018 Flood Zones

0.2 PCT ANNUAL CHANCE

- A
- AE
- AH

Parcels

Roads

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

Contours

default{Contours.shp}  
DEFAULT

# Columbia County, FLA - Building & Zoning Property Map

Printed: Fri Oct 04 2019 07:31:08 GMT-0400 (Eastern Daylight Time)



## Parcel Information

Parcel No: 20-3S-16-02202-109

Owner: BROWN ROAD PROPERTIES LLC

Subdivision: HIGH POINTE

Lot:

Acres: 2.84792566

Deed Acres: 2.86 Ac

District: District 3 Bucky Nash

Future Land Uses: Agriculture - 3

Flood Zones: A,

Official Zoning Atlas: A-3, PRD



**Columbia County Property Appraiser**

Jeff Hampton

**2019 Preliminary Certified Values**

updated 8/14/2019

Retrieve Tax Record

2019 TRIM (pdf)

Property Card

Parcel List Generator

Show on GIS Map

Print

Parcel: &lt;&lt; 20-3S-16-02202-109 &gt;&gt;

Aerial Viewer Pictometry Google Maps

**Owner & Property Info**

Result: 1 of 1

Owner	<b>BROWN ROAD PROPERTIES LLC</b> 1140 SW BASCOM NORRIS DR STE 107 LAKE CITY, FL 320251329		
Site			
Description*	LOT 9 HIGH POINTE S/D WD 1189-1043		
Area	2.86 AC	S/T/R	20-3S-16
Use Code**	VACANT (000000)	Tax District	3

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

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

**Property & Assessment Values**

2018 Certified Values		2019 Preliminary Certified	
Mkt Land (1)	\$30,000	Mkt Land (1)	\$30,000
Ag Land (0)	\$0	Ag Land (0)	\$0
Building (0)	\$0	Building (0)	\$0
XFOB (0)	\$0	XFOB (0)	\$0
Just	\$30,000	Just	\$30,000
Class	\$0	Class	\$0
Appraised	\$30,000	Appraised	\$30,000
SOH Cap [?]	\$0	SOH Cap [?]	\$0
Assessed	\$30,000	Assessed	\$30,000
Exempt	\$0	Exempt	\$0
Total	county:\$25,300	Total	county:\$27,830
Taxable	city:\$25,300	Taxable	city:\$27,830
	other:\$25,300		other:\$27,830
	school:\$30,000		school:\$30,000

**▼ Sales History**

Show Similar Sales within 1/2 mile (Fill out Sales Questionnaire)

Sale Date	Sale Price	Book/Page	Deed	V/I	Quality (Codes)	RCode
2/19/2010	\$550,000	1189/1043	WD	V	V	38

**▼ 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)
NONE						

**▼ Land Breakdown**

Land Code	Desc	Units	Adjustments	Eff Rate	Land Value
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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.)	2381	Total (Sq. Ft.) under roof	3391	
		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 checked="" type="checkbox"/>
5	Dimensions of all building set backs	Yes		<input checked="" 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 checked="" type="checkbox"/>
7	Provide a full legal description of property.	No		<input checked="" type="checkbox"/>

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

<b>GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL</b>		<b>Items to Include- Each Box shall be Circled as Applicable</b>		
8	Plans or specifications must show compliance with FBCR Chapter 3	Yes	No	NA
		<b>Select From Drop down</b>		
9	Basic wind speed (3-second gust), miles per hour	Yes		<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)	Yes		<input checked="" type="checkbox"/>
11	Wind importance factor and nature of occupancy	Yes		<input checked="" type="checkbox"/>
12	The applicable internal pressure coefficient, Components and Cladding	Yes		<input checked="" type="checkbox"/>
13	The design wind pressure in terms of psf (kN/m <sup>2</sup> ), to be used for the design of exterior component, cladding materials not specifi ally designed by the registered design professional.	Yes		<input checked="" type="checkbox"/>

**Elevations Drawing including:**

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

**Floor Plan Including:**

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

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

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

**FBCR 506: CONCRETE SLAB ON GRADE**

35	Show Vapor retarder (6mil. Polyethylene with joints sealed 6 inches and sealed)	Yes		<input type="checkbox"/>
36	Show control joints, synthetic fiber reinforcement or welded wire fabric reinforcement and Supports	Yes		<input 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 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 type="checkbox"/>
39	Show all Lintel sizes, type, spans and tie-beam sizes and spacing of reinforcement	Yes		<input 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		
---	--	--	--	--

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.

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

Select from Drop down

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

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
<b>1. EXTERIOR DOORS</b>			
A. SWINGING	Plast Pro	fiberglass door	FL# 14803.1
B. SLIDING			
C. SECTIONAL/ROLL UP			
D. OTHER			
<b>2. WINDOWS</b>			
A. SINGLE/DOUBLE HUNG	YKK	Single hung Vinyl	#17169.1
B. HORIZONTAL SLIDER			
C. CASEMENT			
D. FIXED			
E. MULLION			
F. SKYLIGHTS			
G. OTHER			
<b>3. PANEL WALL</b>			
A. SIDING	James hardi	Cement lap siding	13192.r4
B. SOFFITS			
C. STOREFRONTS			
D. GLASS BLOCK			
E. OTHER			
<b>4. ROOFING PRODUCTS</b>			
A. ASPHALT SHINGLES	GAF	Architecual Asphalt shingles	11651.28 r1
B. NON-STRUCT METAL			
C. ROOFING TILES			
D. SINGLE PLY ROOF			
E. OTHER			
<b>5. STRUCT COMPONENTS</b>			
A. WOOD CONNECTORS			
B. WOOD ANCHORS			
C. TRUSS PLATES			
D. INSULATION FORMS			
E. LINTELS			
F. OTHERS			
<b>6. NEW EXTERIOR ENVELOPE PRODUCTS</b>			

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**

Florida Department of Business and Professional Regulation - Residential Performance Method

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

Builder Name:  
 Permit Office:  
 Permit Number:  
 Jurisdiction:  
 County: columbia (Florida Climate Zone 2)

1. New construction or existing	New (From Plans)
2. Single family or multiple family	Single-family
3. Number of units, if multiple family	1
4. Number of Bedrooms	4
5. Is this a worst case?	No
6. Conditioned floor area above grade (ft²)	2381
Conditioned floor area below grade (ft²)	0
7. Windows(293.5 sqft.)	Description Area
a. U-Factor:	Dbl, U=0.33 293.50 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:	7.510 ft.
Area Weighted Average SHGC:	0.220
8. Floor Types (2381.0 sqft.)	Insulation Area
a. Slab-On-Grade Edge Insulation	R=0.0 2381.00 ft²
b. N/A	R= ft²
c. N/A	R= ft²

9. Wall Types(2129.7 sqft.)	Insulation Area
a. Frame - Wood, Exterior	R=13.0 1919.70 ft²
b. Frame - Wood, Adjacent	R=13.0 210.00 ft²
c. N/A	R= ft²
d. N/A	R= ft²
10. Ceiling Types (2381.0 sqft.)	Insulation Area
a. Under Attic (Vented)	R=30.0 2381.00 ft²
b. N/A	R= ft²
c. N/A	R= ft²
11. Ducts	R ft²
a. Sup: Attic, Ret: Attic, AH: Main	6 476.2
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	
a. Electric	Cap: 40 gallons
b. Conservation features	EF: 0.920
15. Credits	Pstat

Glass/Floor Area: 0.123

Total Proposed Modified Loads: 61.91

Total Baseline Loads: 66.23

**PASS**

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

PREPARED BY: \_\_\_\_\_  
 DATE: \_\_\_\_\_

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

OWNER/AGENT: \_\_\_\_\_  
 DATE: \_\_\_\_\_

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



BUILDING OFFICIAL: \_\_\_\_\_  
 DATE: \_\_\_\_\_

- Compliance requires certification by the air handler unit manufacturer that the air handler enclosure qualifies as certified factory-sealed in accordance with R403.3.2.1.
- Compliance requires an Air Barrier and Insulation Inspection Checklist in accordance with R402.4.1.1 and this project requires an envelope leakage test report with envelope leakage no greater than 5.00 ACH50 (R402.4.1.2).
- 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:	Wesley Model	Bedrooms:	4	Address Type:	Lot Information
Building Type:	User	Conditioned Area:	1003	Lot #	10
Owner Name:		Total Stories:	1	Block/Subdivision:	High Point
# of Units:	1	Worst Case:	No	PlatBook:	
Builder Name:		Rotate Angle:	0	Street:	
Permit Office:		Cross Ventilation:		County:	columbia
Jurisdiction:		Whole House Fan:		City, State, Zip:	Lake City , FL , 32024
Family Type:	Single-family				
New/Existing:	New (From Plans)				
Comment:					

## CLIMATE

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

## BLOCKS

Number	Name	Area	Volume
1	Block1	2381	21429

## SPACES

Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Infil ID	Finished	Cooled	Heated
1	Main	2381	21429	Yes	8	4	1	Yes	Yes	Yes

## FLOORS

✓	#	Floor Type	Space	Perimeter	R-Value	Area		Tile	Wood	Carpet
_____	1	Slab-On-Grade Edge Insulatio	Main	232 ft	0	2381 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	Gable or shed	Composition shingles	2758 ft²	696 ft²	Medium	N	0.85	No	0.9	No	0	30.3

## ATTIC

✓	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
_____	1	Full attic	Vented	300	2381 ft²	N	N

## CEILING

✓	#	Ceiling Type	Space	R-Value	Ins Type	Area	Framing Frac	Truss Type
_____	1	Under Attic (Vented)	Main	30	Blown	2381 ft²	0.11	Wood

## INPUT SUMMARY CHECKLIST REPORT

## WALLS

✓ #	Ornt	Adjacent To	Wall Type	Space	Cavity R-Value	Width Ft	In	Height Ft	In	Area	Sheathing R-Value	Framing Fraction	Solar Absor	Below Grade%
1	E	Exterior	Frame - Wood	Main	13	28		9		252.0 ft²	0.625	0.23	0.75	0
2	N	Exterior	Frame - Wood	Main	13	13	4	9		120.0 ft²	0.625	0.23	0.75	0
3	E	Exterior	Frame - Wood	Main	13	34	8	9		312.0 ft²	0.625	0.23	0.75	0
4	S	Exterior	Frame - Wood	Main	13	39	2	9		352.5 ft²	0.625	0.23	0.75	0
5	W	Exterior	Frame - Wood	Main	13	5	8	10		56.7 ft²	0.625	0.23	0.75	0
6	S	Exterior	Frame - Wood	Main	13	5	4	10		53.3 ft²	0.625	0.23	0.75	0
7	W	Exterior	Frame - Wood	Main	13	14	2	10		141.7 ft²	0.625	0.23	0.75	0
8	N	Exterior	Frame - Wood	Main	13	4	8	10		46.7 ft²	0.625	0.23	0.75	0
9	W	Exterior	Frame - Wood	Main	13	7	4	10		73.3 ft²	0.625	0.23	0.75	0
10	S	Exterior	Frame - Wood	Main	13	4	8	9		42.0 ft²	0.625	0.23	0.75	0
11	W	Exterior	Frame - Wood	Main	13	14	2	9		127.5 ft²	0.625	0.23	0.75	0
12	N	Exterior	Frame - Wood	Main	13	8	6	9		76.5 ft²	0.625	0.23	0.75	0
13	W	Exterior	Frame - Wood	Main	13	2		9		18.0 ft²	0.625	0.23	0.75	0
14	N	Exterior	Frame - Wood	Main	13	11	6	9		103.5 ft²	0.625	0.23	0.75	0
15	E	Exterior	Frame - Wood	Main	13	2		9		18.0 ft²	0.625	0.23	0.75	0
16	N	Exterior	Frame - Wood	Main	13	14		9		126.0 ft²	0.625	0.23	0.75	0
17	W	Garage	Frame - Wood	Main	13	23	4	9		210.0 ft²		0.23	0.75	0

## DOORS

✓ #	Ornt	Door Type	Space	Storms	U-Value	Width Ft	In	Height Ft	In	Area
1	W	Insulated	Main	None	.46	6		8		48 ft²
2	W	Insulated	Main	None	.46	3		6	8	20 ft²

## WINDOWS

Orientation shown is the entered, Proposed orientation.

✓ #	Ornt	Wall ID	Frame	Panes	NFRC	U-Factor	SHGC	Imp	Area	Overhang Depth	Separation	Int Shade	Screening
1	E	1	Vinyl	Low-E Double	Yes	0.33	0.22	N	30.0 ft²	11 ft 6 in	1 ft 4 in	None	None
2	E	1	Vinyl	Low-E Double	Yes	0.33	0.22	N	96.0 ft²	11 ft 6 in	1 ft 4 in	None	None
3	E	3	Vinyl	Low-E Double	Yes	0.33	0.22	N	30.0 ft²	1 ft 6 in	1 ft 4 in	None	None
4	E	3	Vinyl	Low-E Double	Yes	0.33	0.22	N	4.5 ft²	1 ft 6 in	1 ft 4 in	None	None
5	S	4	Vinyl	Low-E Double	Yes	0.33	0.22	N	4.5 ft²	1 ft 6 in	1 ft 4 in	None	None
6	S	4	Vinyl	Low-E Double	Yes	0.33	0.22	N	15.0 ft²	1 ft 6 in	1 ft 4 in	None	None
7	S	4	Vinyl	Low-E Double	Yes	0.33	0.22	N	9.0 ft²	1 ft 6 in	1 ft 4 in	None	None
8	W	5	Vinyl	Low-E Double	Yes	0.33	0.22	N	8.0 ft²	1 ft 6 in	1 ft 4 in	None	None
9	W	7	Vinyl	Low-E Double	Yes	0.33	0.22	N	36.0 ft²	8 ft 6 in	1 ft 4 in	None	None
10	W	11	Vinyl	Low-E Double	Yes	0.33	0.22	N	36.0 ft²	8 ft 6 in	1 ft 4 in	None	None
11	N	14	Vinyl	Low-E Double	Yes	0.33	0.22	N	4.5 ft²	1 ft 6 in	1 ft 4 in	None	None
12	N	16	Vinyl	Low-E Double	Yes	0.33	0.22	N	20.0 ft²	1 ft 6 in	1 ft 4 in	None	None



## INPUT SUMMARY CHECKLIST REPORT

## GARAGE

✓	#	Floor Area	Ceiling Area	Exposed Wall Perimeter	Avg. Wall Height	Exposed Wall Insulation
	1	448.014 ft²	448.014 ft²	61 ft	9 ft	13

## INFILTRATION

#	Scope	Method	SLA	CFM 50	ELA	EqLA	ACH	ACH 50
1	Wholehouse	Proposed ACH(50)	.000286	1785.8	98.04	184.37	.1128	5

## HEATING SYSTEM

✓	#	System Type	Subtype	Efficiency	Capacity	Block	Ducts
	1	Electric Heat Pump/	None	HSPF:8.5	36 kBtu/hr	1	sys#1

## COOLING SYSTEM

✓	#	System Type	Subtype	Efficiency	Capacity	Air Flow	SHR	Block	Ducts
	1	Central Unit/	None	SEER: 14	36 kBtu/hr	1080 cfm	0.85	1	sys#1

## HOT WATER SYSTEM

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

## SOLAR HOT WATER SYSTEM

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

## DUCTS

✓	#	--- Supply ---			--- Return ---		Leakage Type	Air Handler	CFM 25 TOT	CFM25 OUT	QN	RLF	HVAC #	
	1	Attic	6	476.2 ft	Attic	119.05	Prop. Leak Free	Main	--- cfm	71.4 cfm	0.03	0.50	1	1

## INPUT SUMMARY CHECKLIST REPORT

## 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 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 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 checked="" 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

# Residential System Sizing Calculation

## Summary

Project Title:  
Wesley Model

Lake City, FL 32024

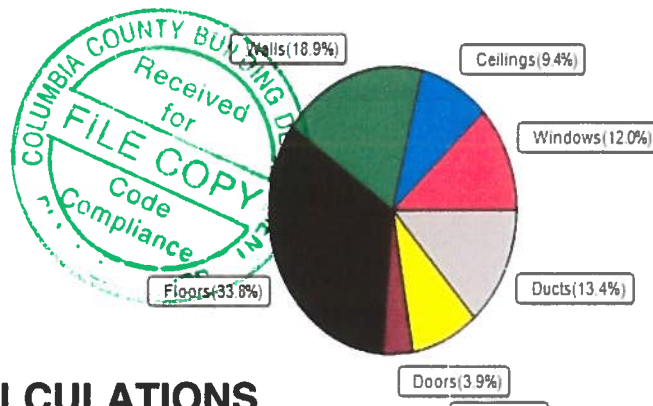
8/8/2019

Location for weather data: Gainesville, FL - Defaults: Latitude(29.7) Altitude(152 ft.) Temp Range(M)			
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(51gr.)			
Winter design temperature(TMY3 99%)	30 F	Summer design temperature(TMY3 99%)	94 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	40 F	Summer temperature difference	19 F
<b>Total heating load calculation</b>	<b>32404 Btuh</b>	<b>Total cooling load calculation</b>	<b>24899 Btuh</b>
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	111.1 36000	Sensible (SHR = 0.85)	145.5 30600
Heat Pump + Auxiliary(0.0kW)	111.1 36000	Latent	139.8 5400
		<b>Total (Electric Heat Pump)</b>	<b>144.6 36000</b>

## WINTER CALCULATIONS

Winter Heating Load (for 2381 sqft)

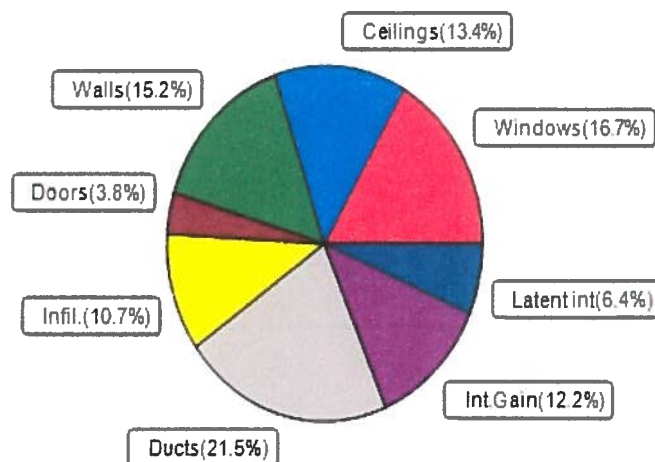
Load component		Load	
Window total	294 sqft	3874	Btuh
Wall total	1768 sqft	6117	Btuh
Door total	68 sqft	1251	Btuh
Ceiling total	2381 sqft	3033	Btuh
Floor total	2381 sqft	10950	Btuh
Infiltration	64 cfm	2822	Btuh
Duct loss		4357	Btuh
<b>Subtotal</b>		<b>32404</b>	<b>Btuh</b>
Ventilation	0 cfm	0	Btuh
<b>TOTAL HEAT LOSS</b>		<b>32404</b>	<b>Btuh</b>



## SUMMER CALCULATIONS

Summer Cooling Load (for 2381 sqft)

Load component		Load	
Window total	294 sqft	4165	Btuh
Wall total	1768 sqft	3790	Btuh
Door total	68 sqft	938	Btuh
Ceiling total	2381 sqft	3336	Btuh
Floor total		0	Btuh
Infiltration	48 cfm	1005	Btuh
Internal gain		3040	Btuh
Duct gain		4761	Btuh
Sens. Ventilation	0 cfm	0	Btuh
Blower Load		0	Btuh
<b>Total sensible gain</b>		<b>21035</b>	<b>Btuh</b>
Latent gain(ducts)		596	Btuh
Latent gain(infiltration)		1668	Btuh
Latent gain(ventilation)		0	Btuh
Latent gain(internal/occupants/other)		1600	Btuh
<b>Total latent gain</b>		<b>3864</b>	<b>Btuh</b>
<b>TOTAL HEAT GAIN</b>		<b>24899</b>	<b>Btuh</b>



8th Edition

EnergyGauge® System Sizing

PREPARED BY: \_\_\_\_\_

DATE: \_\_\_\_\_