CK # 146

Columbia County New Building Permit Application

For Office Use Only Application # 1906-36 Date Received 6/10/19 By LH Permit # 2840/38336

Zoning Official [signature] Date 6/13/19 Flood Zone X Land Use Ag Zoning A-3

FEMA Map # _____ Elevation _____ MFE 1' above road River _____ Plans Examiner T.C. Date 6-19-19

Comments floor one foot above the Road

☑ 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 ☐ ~~E.W Comp.~~ letter

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

Septic Permit No. 19-0461 OR City Water ☐ Aaron Simque Fax _____

Applicant (Who will sign/pickup the permit) ~~LORA DAVID~~ Aaron Simque Phone 365-5671

Address 333 SW ROSEMARY DR LAKE CITY, FL 32024

Owners Name AARON SIMQUE Phone 867-5395

911 Address 388 SW Paces Gln Lake City FL 32024

Contractors Name AARON SIMQUE HOMES Phone 867-5395

Address 601 SW ROSEMARY DR. LAKE CITY, FL 32024

Contractor Email AARON@AARONSIMQUE.COM ***Include to get updates on this job.

Fee Simple Owner Name & Address —

Bonding Co. Name & Address —

Architect/Engineer Name & Address Ridgepoint Design 818 W. Duval St Lake City 32055

Mortgage Lenders Name & Address Campus Credit Po Box 147029 Gainesville FL 32614

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

Property ID Number 32-3S-16-02431-204 Estimated Construction Cost 180K

Subdivision Name WEST PACES Lot 4 Block ____ Unit ____ Phase ____

Driving Directions from a Major Road HWY 90 W, TURN LEFT ONTO SW BIRLEY AVE THEN LEFT ONTO SW PACES GLN. PROPERTY IS THE 4TH ON THE RIGHT

Construction of SFR ____ Commercial OR X Residential

Proposed Use/Occupancy SFR Number of Existing Dwellings on Property 0

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

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

Actual Distance of Structure from Property Lines - Front 80' Side 83' Side 83' Rear 587'

Number of Stories 1 Heated Floor Area 2474 Total Floor Area 3964 Acreage 5.19

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

LH-spoke to Aaron 7-1-19 Page 1 of 2 (Both Pages must be submitted together.) Revised 7-1-15

7/8/19 Emailed Lora David

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.

Aaron Simque
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 RR282812879
Columbia County Competency Card Number 000713 ✓

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 9 **day of** June **20**19.

Personally known ✓ **or Produced Identification** _____

Linda Ruth Craft
State of Florida Notary Signature (For the Contractor)

SEAL:

LINDA RUTH CRAFT
MY COMMISSION # GG017780
EXPIRES August 28, 2020

SUBCONTRACTOR VERIFICATION

APPLICATION/PERMIT # 1906-36 JOB NAME Aaron Simque

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.

			Need
ELECTRICAL ☑ CC# 811	Print Name RYAN BEVILLE	Signature	Lic, Liab, W/C, EX, DE
	Company Name: RBI ELECTRICAL Contracting		
	License #: EC13004236	Phone #: 386 339 0360	
MECHANICAL/ A/C ☐ CC# 1617	Print Name ~~BRYAN BOUNDS~~	Signature	Lic, Liab, W/C, EX, DE
	Company Name: ~~BOUNDS HEATING & COOLING~~		
	License #: ~~CAC1815198~~	Phone #: ~~352-472-2761~~	
PLUMBING/ GAS ☑ CC# 623	Print Name MARK GANSKOP	Signature	Lic, Liab, W/C, EX, DE
	Company Name: Express Plumbing		
	License #: CFC1428040	Phone #: 386-867-0269	
ROOFING ☑ CC# 1129	Print Name DANA Johnson	Signature	Lic, Liab, W/C, EX, DE
	Company Name: MAC Johnson Roofing		
	License #: CCC1325497	Phone #:	
SHEET METAL ☐ CC#	Print Name	Signature	Lic, Liab, W/C, EX, DE
	Company Name:		
	License #:	Phone #:	
FIRE SYSTEM/ SPRINKLER ☐ CC#	Print Name	Signature	Lic, Liab, W/C, EX, DE
	Company Name:		
	License#:	Phone #:	
SOLAR ☐ CC#	Print Name	Signature	Lic, Liab, W/C, EX, DE
	Company Name:		
	License #:	Phone #:	
STATE SPECIALTY ☐ CC#	Print Name	Signature	Lic, Liab, W/C, EX, DE
	Company Name:		
	License #:	Phone #:	

Ref: F.S. 440.103; ORD. 2016-30

SUBCONTRACTOR VERIFICATION

APPLICATION/PERMIT # 1906-36 JOB NAME Aron Shugan

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.

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

		Need
ELECTRICAL ☐ CC#_____	Print Name_____ Signature_____ Company Name:_____ License #:_____ Phone #:_____	Lic Liab W/C EX DE
MECHANICAL/ A/C ☒ ✓ CC# 17602	Print Name Steve Brisbois Signature Company Name: Arctic A/C Services Heating & Air License #: CAC 1815182 Phone #: 386-688-4707	Lic Liab W/C EX DE
PLUMBING/ GAS ☐ CC#_____	Print Name_____ Signature_____ Company Name:_____ License #:_____ Phone #:_____	Lic Liab W/C EX DE
ROOFING ☐ CC#_____	Print Name_____ Signature_____ Company Name:_____ License #:_____ Phone #:_____	Lic Liab W/C EX DE
SHEET METAL ☐ CC#_____	Print Name_____ Signature_____ Company Name:_____ License #:_____ Phone #:_____	Lic Liab W/C EX DE
FIRE SYSTEM/ SPRINKLER ☐ CC#_____	Print Name_____ Signature_____ Company Name:_____ License#:_____ Phone #:_____	Lic Liab W/C EX DE
SOLAR ☐ CC#_____	Print Name_____ Signature_____ Company Name:_____ License #:_____ Phone #:_____	Lic Liab W/C EX DE
STATE SPECIALTY ☐ CC#_____	Print Name_____ Signature_____ Company Name:_____ License #:_____ Phone #:_____	Lic Liab W/C EX DE

Ref: F.S. 440.103; ORD. 2016-30

SS0 1719D8171

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

PERMIT NO. 19-2446
DATE PAID: 6/19/19
FEE PAID: 225.00
RECEIPT #: 442591

APPLICATION FOR:
[X] New System [ ] Existing System [ ] Holding Tank [ ] Innovative
[ ] Repair [ ] Abandonment [ ] Temporary [ ] _____

APPLICANT: Aaron Simque

AGENT: Lora David TELEPHONE: 867-5395

MAILING ADDRESS: 333 SW Rosemary DR Lake City FL 32024

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

PROPERTY INFORMATION

LOT: 4 BLOCK: _____ SUBDIVISION: West Paces PLATTED: _____

PROPERTY ID #: 32-3S-16-02431-204 ZONING: _____ I/M OR EQUIVALENT: [Y (N)

PROPERTY SIZE: 5.19 ACRES WATER SUPPLY: [X] PRIVATE PUBLIC [ ]<=2000GPD [ ]>2000GPD

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

PROPERTY ADDRESS: SW Paces Gln

DIRECTIONS TO PROPERTY: Hwy 90 W, Turn (L) onto SW Birley Ave then (L) onto SW Paces Gln Property is 4th on Right

BUILDING INFORMATION [✓] RESIDENTIAL [ ] COMMERCIAL

Unit No	Type of Establishment	No. of Bedrooms	Building Area Sqft	Commercial/Institutional System Design Table 1, Chapter 64E-6, FAC
1	SFR	3/3	2474	
2				
3				
4				

RECEIVED
JUN 20 2019
EH
By Complete Info.

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

SIGNATURE: Lora David DATE: 6/19/19

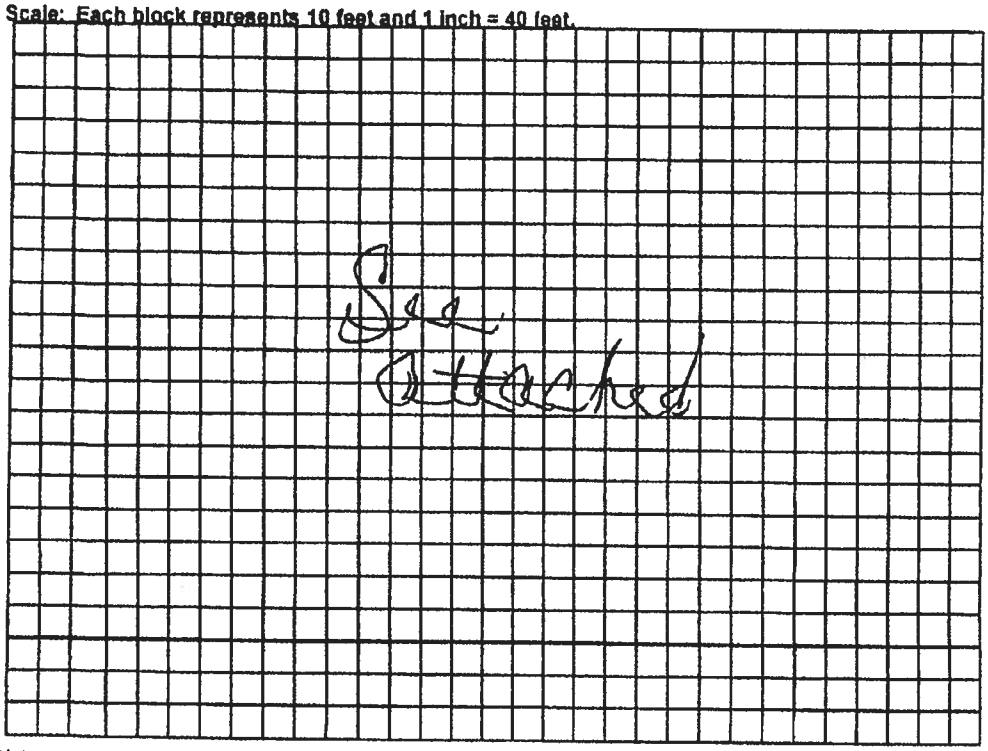
DH 4015, 08/09 (Obsoletes previous editions which may not be used)
Incorporated 64E-6.001, FAC

STATE OF FLORIDA
DEPARTMENT OF HEALTH
APPLICATION FOR CONSTRUCTION PERMIT

Permit Application Number 19-0446

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

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



Notes: _____

* Site Plan submitted by: _____ Agent: ✓ Owner: _____ Date: 6/3/19

Plan Approved Y Not Approved _____ Date 6/25/19

By _____ EST COLUMBIA County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

DH 4015, 08/09 (Obsoletes previous editions which may not be used) Incorporated: 64E-6.001, FAC
(Stock Number: 5744-002-4015-8)

Page 2 of 4

Sent from my iPhone

On Jun 20, 2019, at 10:07 AM, Mobley, Sally J <Sally.Mobley@flhealth.gov> wrote:

19-0461

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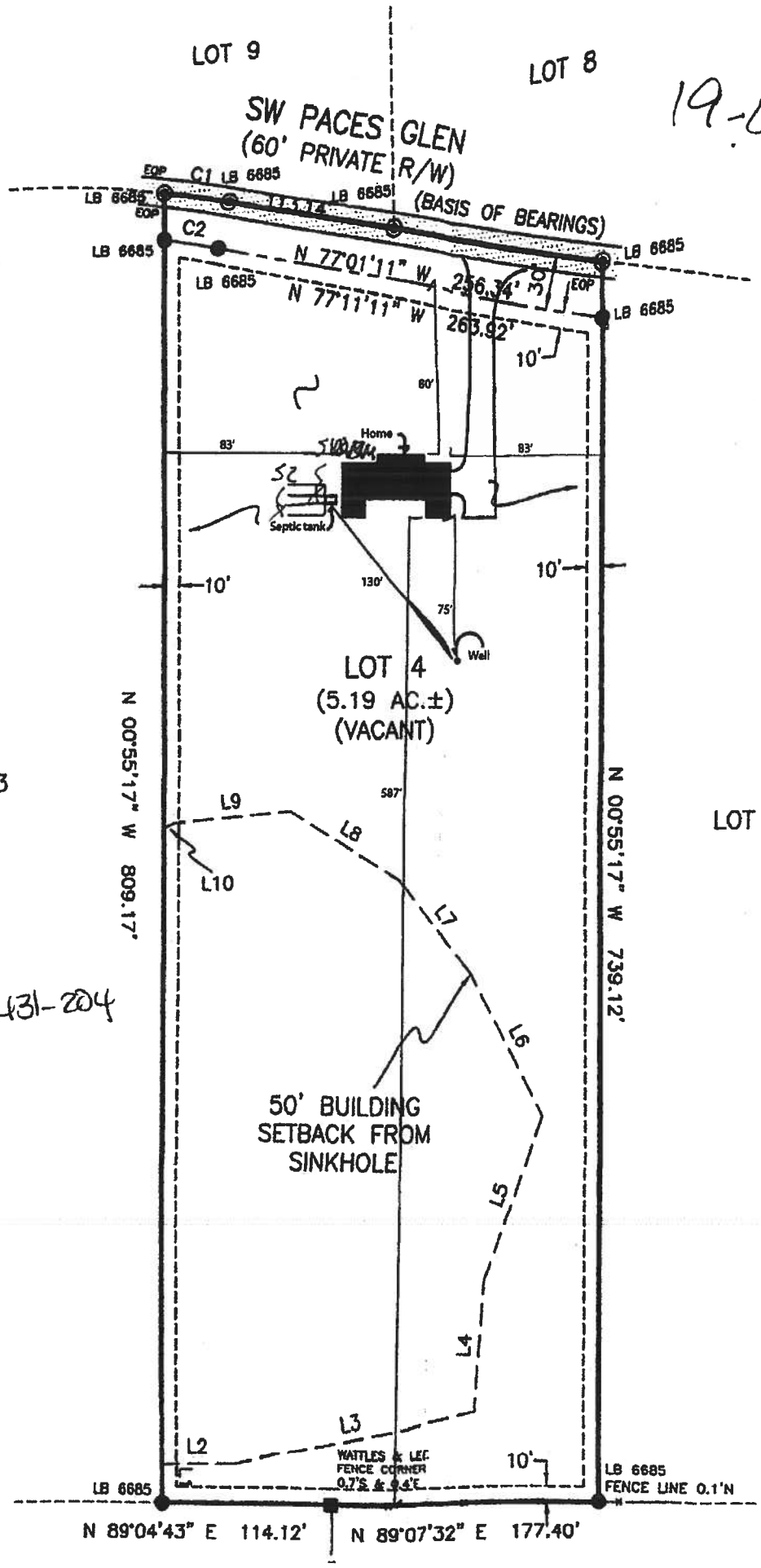
:NTS, RESERVATIONS

: ANY, MAY BE

SUBJECT PROPERTY



CHORD LENGTH
143.56'

ID#
32-38-16-02431-204

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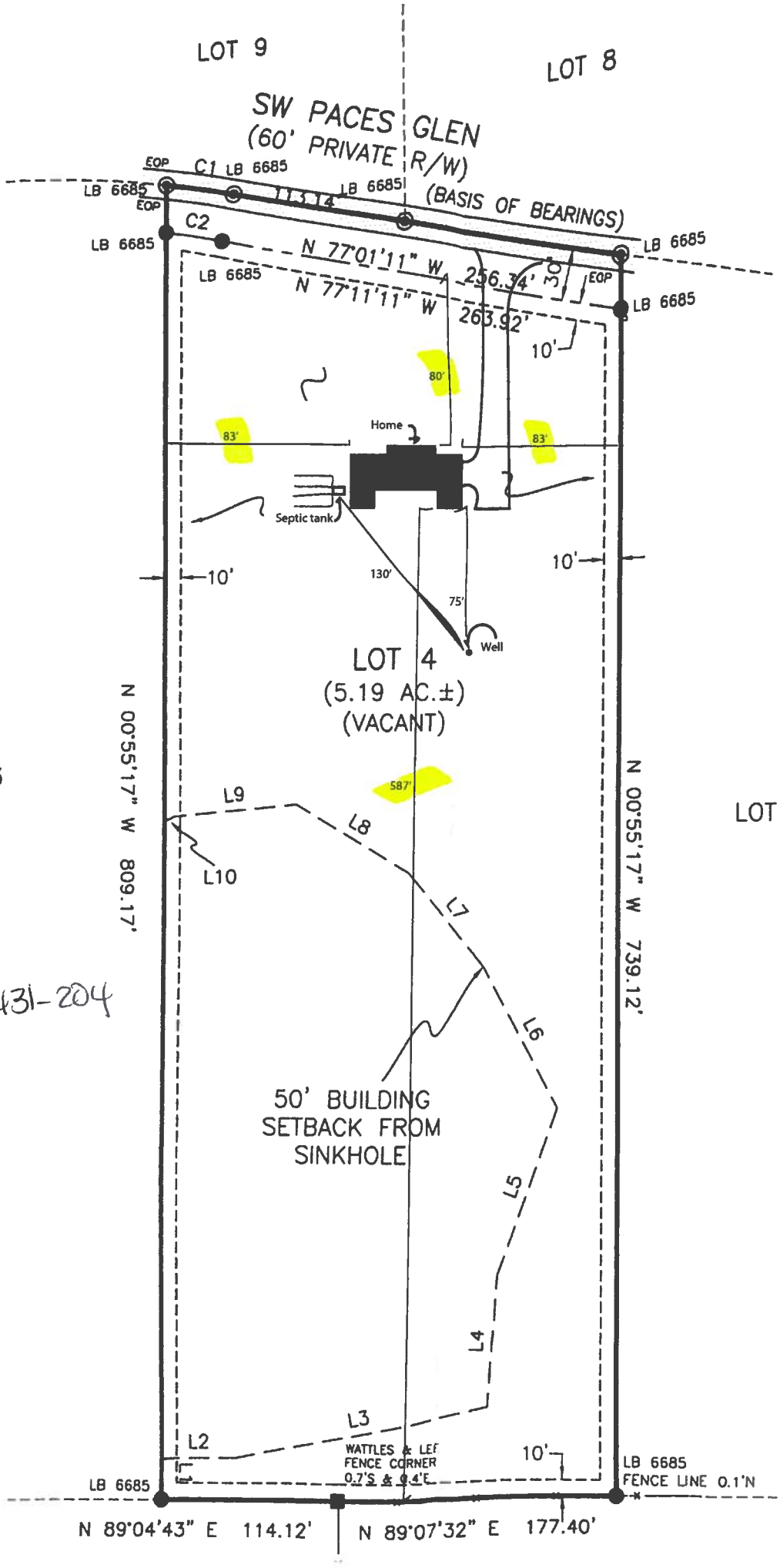
SUBJECT PROPERTY



IP#
32-35-16-02431-204

CHORD LENGTH
43.55'

This Instrument Prepared By
Michael H. Harrell
Abstract Trust Title, LLC
283 NW Cole Ter
Lake City, FL 32055
ATT# 4-8855

32-3S-16-02431-204
5.19 ACR

GENERAL WARRANTY DEED

Individual to Individual (or Corporation/LLC)

This Warranty Deed made this 17th day of May, 2019 by

Roger Davis and His Wife, Julie Davis

hereinafter called the Grantor, to

Aaron Simque, A Single Person

whose post office address is 601 SW Rosemary Dr., Lake City, FL 32024, hereinafter called the Grantee.

(Wherever used herein the terms "Grantor" and "Grantee" include all the parties to this instrument and the heirs, legal representatives and assigns of Individuals, and the successors and assigns of Corporation.)

The Grantor, for and in consideration of the sum of $10.00 and other valuable considerations, receipt whereof is hereby acknowledged, hereby grants, bargains, sells, unto the Grantee all that certain land, situate in Columbia County, Florida, viz.

Lot 4, West Paces, according to the map or plat thereof, as recorded in Plat Book 8, Page(s) 27 through 28, of the Public Records of Columbia County, Florida.

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

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

And the Grantor hereby convenants with said Grantee that the Grantor is lawfully seized of said land in fee simple; that the Grantor has good right and lawful authority to sell and convey said land, and hereby warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances except taxes accruing subsequent to the prior year.

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

WITNESS
Printed Name: April Smythe

WITNESS
Printed Name: Amber Dannunzio

Roger Davis

Julie Davis

State of Florida
County of Columbia

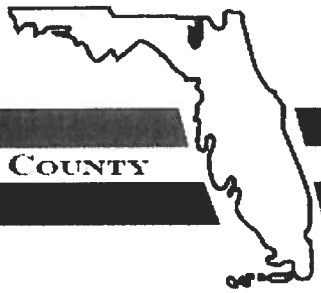
I hereby certify that on this 17th day of May, 2019, before me, an officer duly authorized to administer oaths and take acknowledgements, personally appeared Roger Davis and His Wife, Julie Davis, who is personally known to me or produced a DL for identification, and known to me to be the person described in and who executed the foregoing instrument, who acknowledged before me that he/she/they executed the same, and an oath was not taken.

(SEAL)

NOTARY PUBLIC

My Commission Expires:

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 3:05:43 PM**
Address:	**388 SW PACES Gln**
City:	**LAKE CITY**
State:	**FL**
Zip Code	**32024**
Parcel ID	**02431-204**

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

BAILEY BISHOP & LANE, INC.
484 SW COMMERCE DRIVE, SUITE 135
P. O. BOX 3717
LAKE CITY, FL 32056-3717
PH. (386) 752-5640 FAX (386) 755-7771
Eng. Lic. 7362 Survey Lic. LB-0006685
BBL Job No. 031201MOS

WEST PACES

IN

SECTION 32, TOWNSHIP 3 SOUTH, RANGE 16 EAST
COLUMBIA COUNTY, FLORIDA

PLAT BOOK 8 PAGE 28
SHEET 2 OF 2

OFFICIAL RECORDS BOOK 1050 PAGE 588

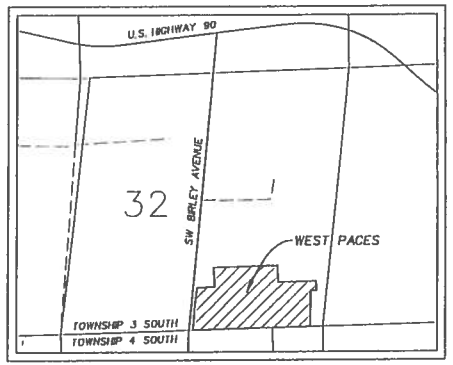
LINE TABLE

LINE NO.	BEARING	DISTANCE
L1	S 07°07'19" E	30.28'
L2	S 67°55'17" E	128.68'
L3	N 37°48'01" E	94.58'
L4	S 88°15'53" W	120.18'
L5	N 07°37'25" W	183.86'
L6	N 10°52'42" E	65.14'
L7	N 22°23'05" E	81.87'
L8	N 35°21'30" E	40.19'
L9	N 62°58'01" E	87.51'
L10	N 84°11'13" E	78.74'
L11	S 60°21'10" E	84.12'
L12	S 41°13'14" E	75.67'
L13	S 29°55'58" E	97.98'
L14	S 19°29'07" W	107.65'
L15	S 03°27'20" W	80.43'
L16	S 78°42'24" W	163.91'
L17	S 88°15'53" W	48.89'
L18	N 81°24'09" W	175.61'
L19	N 08°07'27" W	312.60'
L20	N 02°56'01" E	84.47'

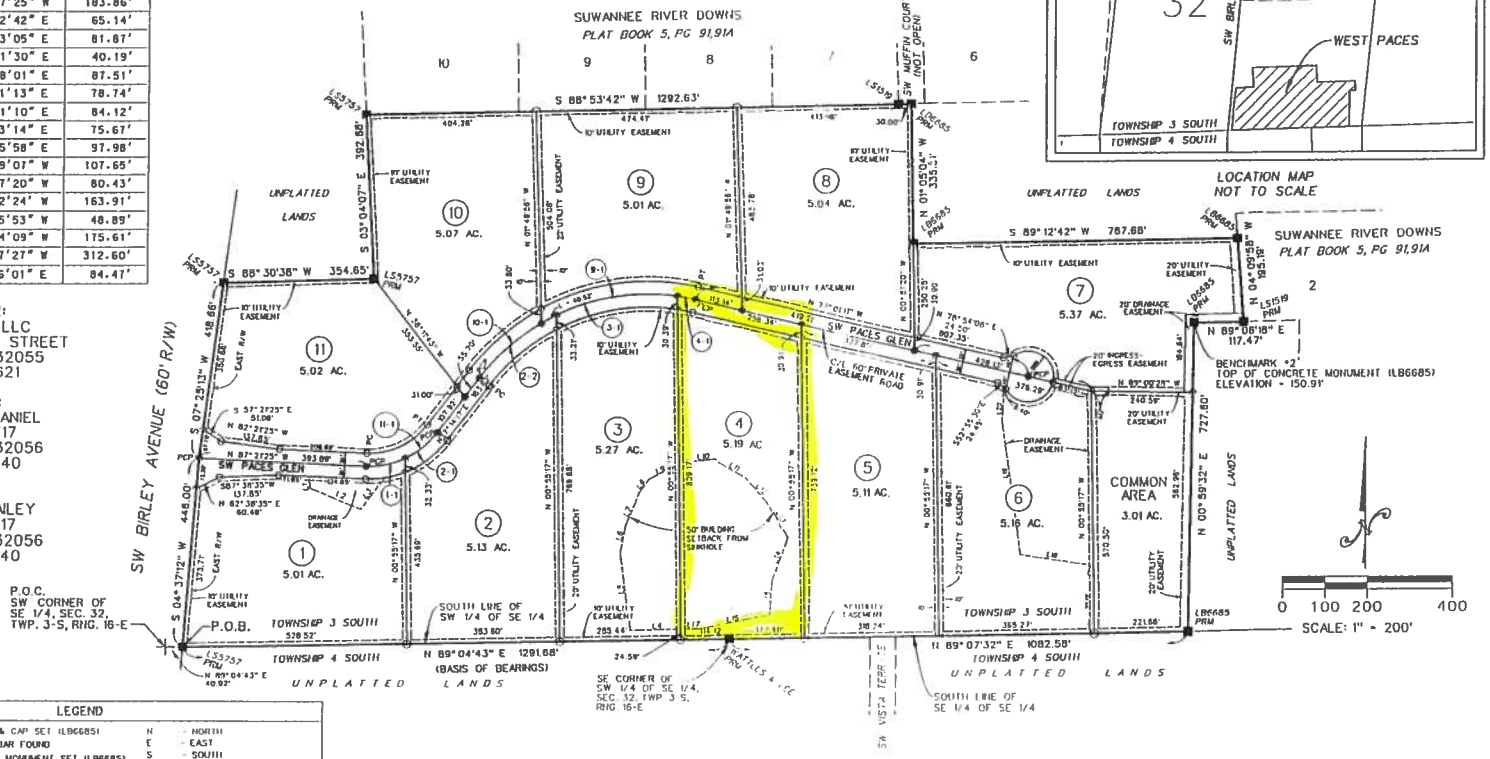
DEVELOPER:
BIRLEY ROAD, LLC
1420 SOUTH FIRST STREET
LAKE CITY, FL. 32055
(386) 752-4621

SURVEYOR:
BRIAN SCOTT DANIEL
P. O. BOX 3717
LAKE CITY, FL. 32056
(386) 752-5640

ENGINEER:
GREGORY G. BAILEY
P. O. BOX 3717
LAKE CITY FL. 32056
(386) 752-5640



LOCATION MAP
NOT TO SCALE



LEGEND

○ DENOTES 5/8" IRON ROD & CAP SET (LB6685)	N - NORTH
● DENOTES IRON PIPE OR REBAR FOUND	E - EAST
□ DENOTES 4"x 4" CONCRETE MONUMENT SET (LB6685)	S - SOUTH
■ DENOTES 4"x 4" CONCRETE MONUMENT FOUND	W - WEST
⊙ DENOTES NAIL & DISK SET	C/L - CENTERLINE
⊕ DENOTES NAIL & DISK FOUND	(P) - PLAT
± - MORE OR LESS	(D) - DEED
PC - POINT OF CURVATURE	(C) - CALCULATED
PT - POINT OF TANGENCY	(M) - MEASURED
PI - POINT OF INTERSECTION	O/S - OFFSET
PRC - POINT OF REVERSE CURVATURE	NO ID - NO IDENTIFICATION
PCC - POINT OF COMPOUND CURVATURE	FND - FOUND
R - RADIUS	CM - CONCRETE MONUMENT
T - TANGENT	IP - IRON PIPE
L - ARC LENGTH	IPC - IRON PIPE & CAP
Δ - CENTRAL ANGLE	RB - REBAR
CH - CHORD BEARING & DISTANCE	RBC - REBAR & CAP
PCP - PERMANENT CONTROL POINT	IR - IRON ROD
PRM - PERMANENT REFERENCE MONUMENT	IRC - IRON ROD & CAP
R/W - RIGHT OF WAY	NL - NAIL
FDOT - FLORIDA DEPARTMENT OF TRANSPORTATION	NL-D - NAIL & DISK
115 — CONTOUR	ORB - OFFICIAL RECORDS BOOK
(1) LOT NUMBER AC - ACRE(S)	PG - PAGE(S)
LB - LICENSED BUSINESS	POC - POINT OF COMMENCEMENT
(1-1) CURVE NUMBER LS - LICENSED SURVEYOR	POB - POINT OF BEGINNING
	SEC - SECTION
	TWP - TOWNSHIP
	RNG - RANGE

CURVE DATA

CURVE NO.	RADIUS	DELTA	ARC LENGTH	CHORD BEARING	CHORD DIST.
1-1	200.00'	27°06'40"	94.64'	N 79°05'15" E	93.76'
2-1	200.00'	28°17'37"	98.78'	N 51°23'06" E	97.76'
2-2	500.00'	27°15'28"	237.87'	N 50°52'01" E	235.63'
3-1	500.00'	33°29'30"	292.27'	N 81°41'31" E	288.13'
4-1	500.00'	04°59'33"	43.57'	S 79°30'58" E	43.55'
9-1	500.00'	43°07'40"	376.36'	S 81°24'58" W	367.54'
10-1	500.00'	22°36'51"	197.35'	S 48°32'43" W	196.07'
11-1	200.00'	55°24'17"	193.40'	S 64°50'25" W	185.95'

SPECIAL NOTES

NOTICE: THIS PLAT, AS RECORDED IN ITS GRAPHIC FORM, IS THE OFFICIAL DEPICTION OF THE SUBDIVIDED LANDS DESCRIBED HEREIN AND WILL IN NO CIRCUMSTANCES BE SUPPLANTED IN AUTHORITY BY ANY OTHER GRAPHIC OR DIGITAL FORM OF THE PLAT. THERE MAY BE ADDITIONAL RESTRICTIONS THAT ARE NOT RECORDED ON THIS PLAT THAT MAY BE FOUND IN THE PUBLIC RECORDS OF THIS COUNTY.

NOTICE: ALL PLATTED UTILITY EASEMENTS SHALL PROVIDE THAT SUCH EASEMENTS SHALL ALSO BE EASEMENTS FOR THE CONSTRUCTION, INSTALLATION, MAINTENANCE, AND OPERATION OF CABLE TELEVISION SERVICES. PROVIDED, HOWEVER, NO SUCH CONSTRUCTION, INSTALLATION, MAINTENANCE, AND OPERATION OF CABLE TELEVISION SERVICES SHALL INTERFERE WITH THE FACILITIES AND SERVICES OF ELECTRIC, TELEPHONE, GAS, OR OTHER PUBLIC UTILITY. IN THE EVENT THAT A CABLE TELEVISION COMPANY DAMAGES THE FACILITIES OF A PUBLIC UTILITY, IT SHALL BE SOLELY RESPONSIBLE FOR THE DAMAGES.

NOTICE: WATER RUN OFF FROM EXISTING PUBLIC ROAD RIGHTS OF WAY MAY OCCUR DURING HEAVY RAINS.

BAILEY BISHOP & LANE, INC.
484 SW COMMERCE DRIVE, SUITE 135
P. O. BOX 3717
LAKE CITY, FL 32056-3717
PH. (386) 752-5640 FAX (386) 755-7771
Eng. Lic. 7362 Survey Lic. LB-0006685
BBL Job No. 03120IMOS

WEST PACES

IN

SECTION 32, TOWNSHIP 3 SOUTH, RANGE 16 EAST
COLUMBIA COUNTY, FLORIDA

OFFICIAL RECORDS BOOK ___ PAGE 1050/154

FILE NUMBER 2005015515
FILED AND RECORDED IN THE OFFICIAL RECORDS OF COLUMBIA COUNTY, FLORIDA
6/29 2005 AT 3:56 O'CLOCK P.M.
P. DeWITT CASON
CLERK OF COURTS
COLUMBIA COUNTY, FLORIDA
BY Theresa Lee D.C.

CLERK CIRCUIT COURT COLUMBIA COUNTY FLORIDA

DESCRIPTION:

A PART OF THE SE 1/4 OF SECTION 32, TOWNSHIP 3 SOUTH, RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCE AT THE SOUTHWEST CORNER OF THE SE 1/4 OF SAID SECTION 32 AND RUN N 89°04'43" E, ALONG THE SOUTH LINE THEREOF, 40.92 FEET TO THE EAST RIGHT OF WAY OF SW BIRLEY AVENUE AND TO THE POINT OF BEGINNING; THENCE CONTINUE N 89°04'43" E, STILL ALONG SAID SOUTH LINE, 1291.68 TO THE SOUTHEAST CORNER OF THE SW 1/4 OF THE SE 1/4 OF SAID SECTION 32; THENCE N 89°07'32" E, STILL ALONG SAID SOUTH LINE, 1082.58 FEET; THENCE N 00°59'32"E, 727.60 FEET; THENCE N 89°06'18" E, 117.47 FEET; THENCE N 04°09'58" W, 195.19 FEET; THENCE S 89°12'42" W, 767.68 FEET; THENCE N 01°05'04" W, 335.51 FEET; THENCE S 88°53'42" W, 1292.83 FEET; THENCE S 03°04'07" E, 392.88 FEET; THENCE S 88°30'38" W, 354.65 FEET TO THE AFOREMENTIONED EASTERLY RIGHT OF WAY OF SW BIRLEY AVENUE; THENCE S 07°25'13"W, ALONG SAID EASTERLY RIGHT OF WAY, 418.68 FEET; THENCE S 04°37'12" W, STILL ALONG SAID EASTERLY RIGHT OF WAY, 446.00 FEET TO THE POINT OF BEGINNING.

CONTAINING 59.38 ACRES, MORE OR LESS.

NOTES:

1. BEARINGS ARE BASED ON THE SOUTH LINE OF THE SW 1/4 OF THE SE 1/4, SECTION 32, TOWNSHIP 3 SOUTH, RANGE 16 EAST, BEING N 89°04'43" E.
2. TOTAL ACRES IN SUBDIVISION IS 59.38 ACRES.
3. SUBDIVISION CONSISTS OF 11 LOTS, RANGING IN SIZE FROM 5.01 AC. TO 5.37 AC. AND ONE COMMON AREA.
4. BM DATUM IS NAVD 1988. CONTOURS DETERMINED FROM FIELD DATA.
5. PROPERTY IS ZONED A-3 (AGRICULTURAL).
6. CLOSURE EXCEEDS 1:10000.
7. ACCORDING TO FLOOD INSURANCE RATE MAP (COMMUNITY PANEL NO. 120070 0175 B EFFECTIVE DATE JANUARY 6, 1988) THE ABOVE DESCRIBED LANDS LIE IN ZONE "X", AN AREA DETERMINED TO BE OUTSIDE THE 500-YEAR FLOOD PLAIN.
8. PRELIMINARY PLAT WAS APPROVED ON APRIL 15, 2004.
9. BUILDING SETBACKS ARE AS FOLLOWS:

FRONT - 30 FEET
SIDE - 25 FEET
REAR - 25 FEET

CERTIFICATE OF APPROVAL BY THE ATTORNEY FOR COLUMBIA COUNTY, FLORIDA

EXAMINED ON June 22, 2005
AND
APPROVED AS TO LEGAL FORM AND SUFFICIENCY BY

Marlin Feagle
COUNTY ATTORNEY

CLERK'S CERTIFICATE

THIS PLAT HAVING BEEN APPROVED BY THE COLUMBIA COUNTY BOARD OF COUNTY COMMISIONERS IS ACCEPTED FOR FILES AND RECORDED THIS 29 DAY OF June 2005 IN PLAT BOOK 8 PAGES 27-28

SIGNED: P. DeWitt Cason
CLERK OF CIRCUIT COURT

CERTIFICATE OF DEDICATION & OWNERSHIP:

KNOW ALL MEN BY THESE PRESENTS THAT BIRLEY ROAD, LLC, AS OWNER, HAS CAUSED THE LANDS HEREON SHOWN TO BE SURVEYED, SUBDIVIDED AND PLATTED, TO BE KNOWN AS "WEST PACES" AND THAT ALL RIGHTS-OF-WAY AND EASEMENTS AS SHOWN ARE RESERVED BY THE OWNER FOR THE BENEFIT OF THE OWNER, ITS SUCCESSORS, GRANTEES AND ASSIGNS AND ARE NOT DEDICATED TO THE PUBLIC.

OWNER:
BIRLEY ROAD, LLC.

BY David Brewer
DAVID BREWER, MANAGING MEMBER OF BIRLEY ROAD, LLC

Brian W. Bailey
WITNESS

Stacy O. Allbritton
WITNESS

ACKNOWLEDGEMENT:
STATE OF FLORIDA, COUNTY OF COLUMBIA

THE FOREGOING DEDICATION WAS ACKNOWLEDGED BEFORE ME THIS 19 DAY OF May 2005 BY DAVID BREWER AS MANAGING MEMBER OF BIRLEY ROAD, LLC FOR AND ON BEHALF OF SAID CORPORATION. HE IS PERSONALLY KNOWN TO ME OR HAS PRODUCED ___ AS IDENTIFICATION

SIGNED: Gladys R Harper
NOTARY PUBLIC

MY COMMISSION EXPIRES:

Notary Public State of Florida
Gladys R Harper
My Commission DD425138
Expires 05/13/2009

CERTIFICATE OF APPROVAL BY THE BOARD OF COUNTY COMMISSIONERS OF COLUMBIA COUNTY, FLORIDA

THIS IS TO CERTIFY THAT ON 7 APRIL 2005 THE AFOREGOING PLAT WAS APPROVED BY THE BOARD OF COUNTY COMMISSIONERS FOR COLUMBIA COUNTY, FLORIDA.

Jennifer Flinn
CHAIRMAN

ATTEST: P. DeWitt Cason CLERK OF CIRCUIT COURT FILE FOR RECORD ON 6/29

CERTIFICATE OF COUNTY SURVEYOR

KNOW ALL MEN BY THESE PRESENTS, THAT THE UNDERSIGNED, BEING A LICENSED AND REGISTERED LAND SURVEYOR AND MAPPER, AS PROVIDED UNDER CHAPTER 472 FLORIDA STATUTES AND IS IN GOOD STANDING WITH THE BOARD OF LAND SURVEYORS, DOES HEREBY CERTIFY THAT ON BEHALF OF COLUMBIA COUNTY, FLORIDA HAS REVIEWED THIS PLAT FOR CONFORMITY TO CHAPTER 177, FLORIDA STATUTES, AND SAID PLAT MEETS ALL THE REQUIREMENTS THEREUNDER 177, AS AMENDED.

NAME Timothy A. DelBene
TIMOTHY A. DELBENE
DATE 6/28/05
REGISTRATION NUMBER #5594

CERTIFICATE OF SUBDIVIDER'S ENGINEER

THIS IS TO CERTIFY THAT ON 6/28/05 ___ THE UNDERSIGNED BAILEY REGISTERED FLORIDA ENGINEER, AS SPECIFIED WITHIN CHAPTER 471 FLORIDA STATUES, LICENSE NO 43858, DOES HEREBY CERTIFY THAT ALL REQUIRED IMPROVEMENTS HAVE BEEN INSTALLED IN COMPLIANCE WITH THE APPROVED CONSTRUCTION PLANS AND IF APPLICABLE, ANY SUBMITTED "AS BUILT" BLUEPRINTS IN ACCORDANCE WITH THE REQUIREMENTS OF THE BOARD OF COUNTY COMMISSIONERS OF COLUMBIA COUNTY, FLORIDA.

REGISTERED FLORIDA ENGINEER

CERTIFICATE OF SURVEYOR

I, THE UNDERSIGNED PROFESSIONAL SURVEYOR AND MAPPER, HEREBY CERTIFY THAT THIS PLAT IS A TRUE AND CORRECT REPRESENTATION OF THE LANDS SURVEYED, THAT THE SURVEY DATA COMPLIES WITH ALL REQUIREMENTS OF CHAPTER 177, FLORIDA STATUES AND THE COLUMBIA COUNTY LAND DEVELOPMENT CODE AND THAT THE PERMANENT REFERENCE MONUMENTS WERE INSTALLED AS OF THE 14th DAY OF JAN. 2005 THE PERMANENT CONTROL POINTS AND LOT CORNERS WERE INSTALLED AS OF THE 14th DAY OF JAN. 2005

6-28-05
DATE

Scott A. Daniel
BRIAN SCOTT DANIEL
PROFESSIONAL SURVEYOR & MAPPER
FLORIDA REGISTRATION NO. 6449

BAILEY, BISHOP & LANE, INC
P.O. BOX 3717
LAKE CITY, FLORIDA 32056-3717
LB 6685

Legend

2018Aerials

2018 Flood Zones
- 0.2 PCT ANNUAL CHANCE
- A
- AE
- AH

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

Parcels

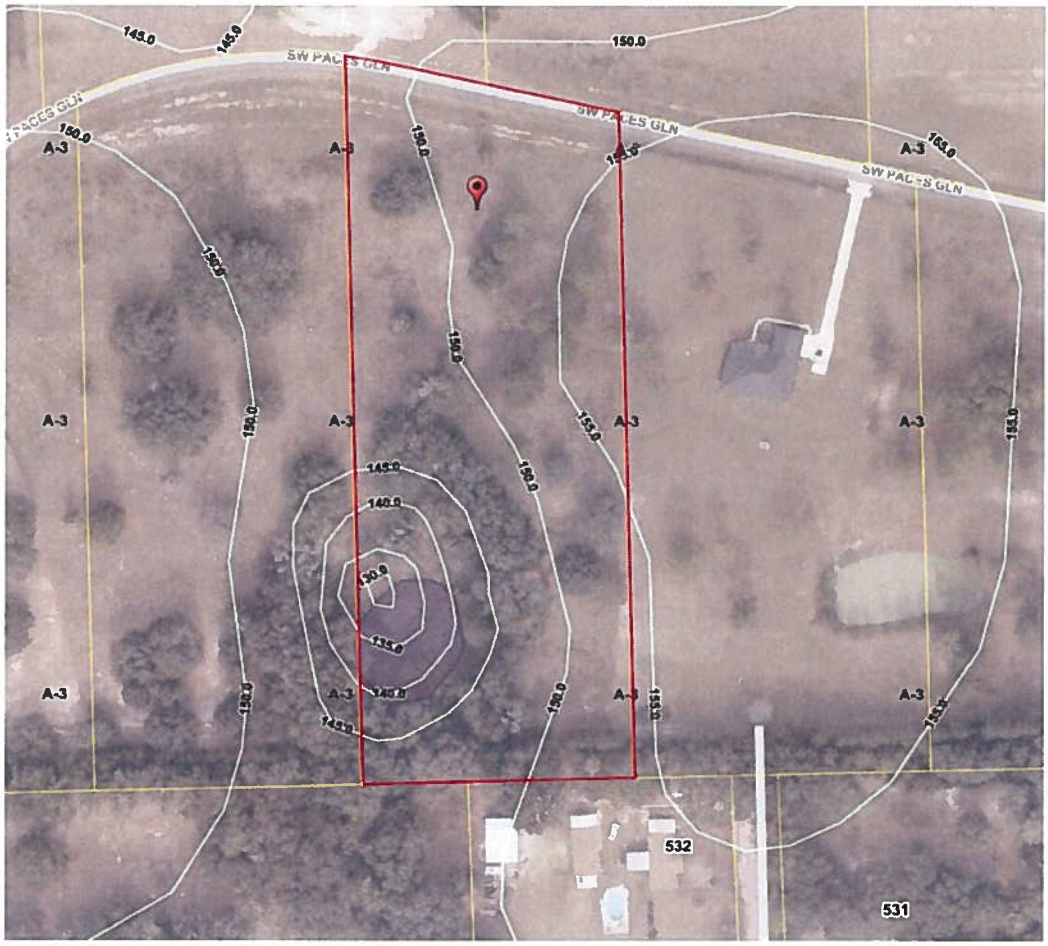
DevZones1
- others
- A-1
- A-2
- A-3
- CG
- CHI
- CI
- CN
- CSV
- ESA-2
- I
- ILW
- MUD-I
- PRD
- PRRD
- RMF-1
- RMF-2
- RO
- RR
- RSF-1
- RSF-2
- RSF-3
- RSF/MH-1
- RSF/MH-2
- RSF/MH-3
- DEFAULT

Addresses

Contours
- default{Contours.shp}
- DEFAULT

Columbia County, FLA - Building & Zoning Property Map

Printed: Thu Jun 13 2019 11:27:43 GMT-0400 (Eastern Daylight Time)



Parcel Information

Parcel No: 32-3S-16-02431-204

Owner: DAVIS ROGER &

Subdivision: WEST MEADOW

Lot:

Acres: 5.227012

Deed Acres: 5.19 Ac

District: District 3 Bucky Nash

Future Land Uses: Agriculture - 3

Flood Zones: A,

Official Zoning Atlas: A-3

WaterBoy Well Repair & Drilling

19288 127th Dr.
O Brien, Fl 32071
(386)330-6099
Waterboywellrepair@yahoo.com

July 2,2019

Columbia County Building Department,

We plan to install a 4" PVC Well at Lot # 4 West Paces Subdivision, SW Pace Glenn. Permit # 1906-36. Well to include: 1hp, 18gpm submersible Pump, 1 ¼" drop pipe, 81 gallon bladder tank and backflow prevention. SRWMD permit and completion report once available.

Sincerely,

William Shuler-License #5002

COLUMBIA COUNTY BUILDING DEPARTMENT

RESIDENTIAL CHECK LIST

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

ALL REQUIREMENTS ARE SUBJECT TO CHANGE

ALL BUILDING PLANS MUST INDICATE COMPLIANCE WITH THE CURRENT 2014 FLORIDA BUILDING CODES RESIDENTIAL, EFFECTIVE 1 JULY 2015. NATIONAL ELECTRICAL CODE 2011 EFFECTIVE 1 JULY 2015. ALL PLANS OR DRAWINGS SHALL PROVIDE CALCULATIONS AND DETAILS THAT HAVE THE SEAL AND SIGNATURE OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA, OR ALTERNATE METHODOLOGIES, APPROVED BY THE STATE OF FLORIDA BUILDING COMMISSION FOR ONE-AND-TWO FAMILY DWELLINGS.

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

Revised 12/2016

	GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- Each Box shall be Marked as Applicable
		Select From the Dropbox
1	Two (2) complete sets of plans containing the following:	YES
2	All drawings must be clear, concise, drawn to scale, details that are not used shall be marked void	YES
3	Condition space (Sq. Ft.) ____ Total (Sq. Ft.) under roof	YES / NO / N/A

Designers name and signature shall be on all documents and a licensed architect or engineer, signature and official embossed seal shall be affixed to the plans and documents as per the FLORIDA BUILDING CODES RESIDENTIAL R101.2.1

Site Plan information including:

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

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

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

Elevations Drawing including:

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

Floor Plan including:

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

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

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

YES / NO / N/A

Select From the Dropbox

FBCR 403: Foundation Plans

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

FBCR 506: CONCRETE SLAB ON GRADE

34	Show Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed)	YES
35	Show control joints, synthetic fiber reinforcement or welded fire fabric reinforcement and Supports	YES

FBCR 318: PROTECTION AGAINST TERMITES

36	Indicate on the foundation plan if soil treatment is used for subterranean termite prevention or Submit other approved termite protection methods. **Protection shall be provided by registered termiticides**	YES

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

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

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

Floor Framing System: First and/or second story

39	Floor truss package shall including layout and details, signed and sealed by Florida Registered Professional Engineer	YES

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

FBCR CHAPTER 6 WOOD WALL FRAMING CONSTRUCTION

YES / NO / N/A

	GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- Each Box shall be Marked as Applicable
		Select From the Dropbox
52	Stud type, grade, size, wall height and oc spacing for all load bearing or shear walls	YES
53	Fastener schedule for structural members per table IRC 602.3 are to be shown	YES
54	Show Wood structural panel's sheathing attachment to studs, joist, trusses, rafters and structural members, showing fastener schedule attachment on the edges & intermediate of the areas structural panel sheathing	YES
55	Show all required connectors with a max uplift rating and required number of connectors and oc spacing for continuous connection of structural walls to foundation and roof trusses or rafter systems	YES
56	Show sizes, type, span lengths and required number of support jack studs, king studs for shear wall opening and girder or header per IRC Table 502.5 (1)	YES
57	Indicate where pressure treated wood will be placed	YES
58	Show all wall structural panel sheathing, grade, thickness and show fastener schedule for structural panel sheathing edges & intermediate areas	YES
59	A detail showing gable truss bracing, wall balloon framing details or/ and wall hinge bracing detail	YES

FBCR :ROOF SYSTEMS:

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

FBCR 802:Conventional Roof Framing Layout

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

FBCR 803 ROOF SHEATHING

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

ROOF ASSEMBLIES FRC Chapter 9

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

FBCR Chapter 11 Energy Efficiency Code for residential building

Residential construction shall comply with this code by using the following compliance methods in the FBCR chapter11 Residential buildings compliance methods. **Two of the required forms are to be submitted**, *N1100.1.1.1 As an alternative to the computerized Compliance Method A, the Alternate Residential Point System Method hand calculation, Alternate Form 600A, may be used. All requirements specific to this calculation are located in Sub appendix C to Appendix G. Buildings complying by this alternative shall meet all mandatory requirements of this chapter. Computerized versions of the Alternate Residential Point System Method shall not be acceptable for code compliance.*

YES / NO / N/A

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

HVAC information

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

Plumbing Fixture layout shown

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

Private Potable Water

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

Electrical layout shown including

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

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

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

		YES	NO	N/A
92	**Building Permit Application** A current Building Permit Application is to be completed, by following the Checklist all supporting documents must be submitted. There is a **$15.00** application fee. The completed application with attached documents and application fee can be mailed.	YES		
93	**Parcel Number** The parcel number (Tax ID number) from the Property Appraisers Office (386) 758-1083 is required. A copy of property deed is also required. www.columbiacountyfla.com	YES		
94	**Town of Fort White** (386) 497-2321 If the parcel in the application for building permit is within the Corporate city limits of Fort White, an approval land use development letter issued by the Town of Fort is required to be submitted with the application for a building permit.	NO		
***	**BELOW ITEMS ONLY NEEDED AFTER ZONING APPROVAL HAS GIVEN.**	****	***	***
95	**Environmental Health Permit or Sewer Tap Approval** A copy of a approved Columbia County Environmental Health (386) 758-1058	YES		
96	**City of Lake City** A City Water and/or Sewer letter. Call 386-752-2031	YES		
97	**Flood Information:** All projects within the Floodway of the Suwannee or Santa Fe Rivers shall require permitting through the Suwannee River Water Management District, before submitting a application to this office. Any project located within a flood zone where the base flood elevation (100 year flood) has been established shall meet the requirements of Section 8.5.2 of the Columbia County Land Development Regulations. Any project located within a flood zone where the base flood elevation has not been established (Zone A) shall meet the requirements of Section 8.5.3 of the Columbia County Land Development Regulations	NO		
98	**CERTIFIED FINISHED FLOOR ELEVATIONS** will be required on any project where the approved FIRM Flood Maps show the property is in a AE, Floodway, and AH flood zones. Additionally One Foot Rise letters are required for AE and AH zones. In the Floodway Flood zones a Zero Rise letter is required.			
99	A Flood development permit is also required for AE, Floodway & AH. Development permit cost is **$50.00**			
100	**Driveway Connection:** If the property does not have an existing access to a public road, then an application for a culvert permit (**$25.00**) must be made. County Public Works Dept. determines the size and length of every culvert before instillation and completes a final inspection before permanent power is granted. If the applicant feels that a culvert is not needed, they may apply for a culvert waiver (**$50.00**) Separate Check when issued. If the project is to be located on an F.D.O.T. maintained road, then an F.D.O.T. access permit is required.	YES		
101	**911 Address:** An application for a 911address must be applied for and **received** through the Columbia County Emergency Management Office of 911 Addressing Department (386) 758-1125.	YES		

TOILET FACILITIES SHALL BE PROVIDED FOR ALL CONSTRUCTION SITES. NO

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

Notice Of Commencement

A notice of commencement form **recorded** in the Columbia County Clerk Office is required to be filed with the building department Before Any Inspections can be preformed.

Section R101.2.1 of the Florida Building Code Residential:

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

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	PGT IND.	EXTERIOR DOORS	FL253-R12
B. SLIDING			
C. SECTIONAL/ROLL UP	OVERHEAD DOORS	GARAGE DOOR	FL742-R6
D. OTHER			
2. WINDOWS			
A. SINGLE/DOUBLE HUNG	PGT IND.	SH WINDOWS	FL239-R19
B. HORIZONTAL SLIDER			
C. CASEMENT			
D. FIXED			
E. MULLION			
F. SKYLIGHTS			
G. OTHER			
3. PANEL WALL			
A. SIDING	JAMES HARDI	HARDIBOARD SIDING	FLB192-R2
B. SOFFITS			
C. STOREFRONTS			
D. GLASS BLOCK			
E. OTHER			
4. ROOFING PRODUCTS			
A. ASPHALT SHINGLES	TAMKO	ASPHALT SHINGLES	FL1956-R8
B. NON-STRUCTURAL METAL			
C. ROOFING TILES			
D. SINGLE PLY ROOF			
E. OTHER			
5. STRUCTURAL COMPONENTS			
A. WOOD CONNECTORS			
B. WOOD ANCHORS			
C. TRUSS PLATES			
D. INSULATION FORMS			
E. LINTELS			
F. OTHERS			
6. NEW EXTERIOR			
ENVELOPE PRODUCTS			

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

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

Contractor OR Agent Signature — Date 5/23/19

NOTES. _____

RESIDENTIAL ENERGY CONSERVATION CODE DOCUMENTATION CHECKLIST

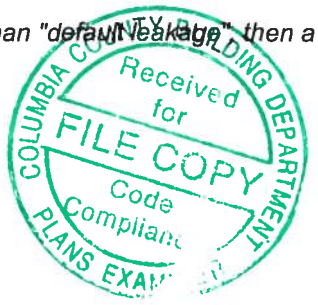
Florida Department of Business and Professional Regulation
Simulated Performance Alternative (Performance) Method

Applications for compliance with the 2017 Florida Building Code, Energy Conservation via the residential Simulated Performance Method shall include:

- ☐ *This checklist*
- ☐ *A Form R405 report that documents that the Proposed Design complies with Section R405.3 of the Florida Energy Code. This form shall include a summary page indicating home address, e-ratio and the pass or fail status along with summary areas and types of components, whether the home was simulated as a worst-case orientation, name and version of the compliance software tool, name of individual completing the compliance report (one page) and an input summary checklist that can be used for field verification (usually four pages/may be greater).*
- ☐ *Energy Performance Level (EPL) Display Card (one page)*
- ☐ *HVAC system sizing and selection based on ACCA Manual S or per exceptions provided in Section R403.7*
- ☐ *Mandatory Requirements (five pages)*

Required prior to CO for the Performance Method:

- ☐ *Air Barrier and Insulation Inspection Component Criteria checklist (Table R402.4.1.1 - one page)*
- ☐ *A completed Envelope Leakage Test Report (usually one page)*
- ☐ *If Form R405 duct leakage type indicates anything other than "default leakage", then a completed Form R405 Duct Leakage Test Report (usually one page)*



FORM R405-2017

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name:	190622 Simque	Builder Name:	
Street:		Permit Office:	
City, State, Zip:	Lake City , FL ,	Permit Number:	
Owner:	Aaron Simque	Jurisdiction:	
Design Location:	FL, Gainesville	County:	Columbia (Florida Climate Zone 2)

1. New construction or existing	New (From Plans)
2. Single family or multiple family	Single-family
3. Number of units, if multiple family	1
4. Number of Bedrooms	3
5. Is this a worst case?	No
6. Conditioned floor area above grade (ft²)	2474
Conditioned floor area below grade (ft²)	0

7. Windows(634.3 sqft.)	Description	Area
a. U-Factor:	Dbl, U=0.30	634.33 ft²
SHGC:	SHGC=0.20	
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:		7.240 ft.
Area Weighted Average SHGC:		0.200

8. Floor Types (2474.0 sqft.)	Insulation	Area
a. Slab-On-Grade Edge Insulation	R=0.0	2474.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²

9. Wall Types (3874.0 sqft.)	Insulation	Area
a. Frame - Wood, Exterior	R=13.0	3627.30 ft²
b. Frame - Wood, Adjacent	R=13.0	246.67 ft²
c. N/A	R=	ft²
d. N/A	R=	ft²

10. Ceiling Types (2634.0 sqft.)	Insulation	Area
a. Under Attic (Vented)	R=38.0	2474.00 ft²
b. Knee Wall (Vented)	R=38.0	160.00 ft²
c. N/A	R=	ft²

11. Ducts	R	ft²
a. Sup: Attic, Ret: Attic, AH: Garage	6	494.8

12. Cooling systems	kBtu/hr	Efficiency
a. Central Unit	63.0	SEER:15.00

13. Heating systems	kBtu/hr	Efficiency
a. Electric Heat Pump	63.0	HSPF:8.90

14. Hot water systems
a. Electric — Cap: 50 gallons, EF: 0.950
b. Conservation features
None

15. Credits — Pstat

Glass/Floor Area: 0.256

Total Proposed Modified Loads: 84.97
Total Baseline Loads: 85.00

PASS

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

PREPARED BY: Evan Beamsley
DATE: 2019-06-09

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 7.00 ACH50 (R402.4.1.2).

FORM R405-2017

INPUT SUMMARY CHECKLIST REPORT

PROJECT

Title:	190622 Simque	Bedrooms:	3	Address Type:	Lot Information
Building Type:	User	Conditioned Area:	2474	Lot #	4
Owner Name:	Aaron Simque	Total Stories:	1	Block/Subdivision:	West Paces SD
# of Units:	1	Worst Case:	No	PlatBook:	
Builder Name:		Rotate Angle:	180	Street:	
Permit Office:		Cross Ventilation:		County:	Columbia
Jurisdiction:		Whole House Fan:		City, State, Zip:	Lake City , FL ,
Family Type:	Single-family				
New/Existing:	New (From Plans)				
Comment:					

CLIMATE

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

BLOCKS

Number	Name	Area	Volume
1	Block1	2474	30925

SPACES

Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Infil ID	Finished	Cooled	Heated
1	Main	2474	30925	Yes	6	3	1	Yes	Yes	Yes

FLOORS

√	#	Floor Type	Space	Perimeter	R-Value	Area		Tile	Wood	Carpet
_____	1	Slab-On-Grade Edge Insulatio	Main	312 ft	0	2474 ft²	___	0.3	0.3	0.4

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	Metal	2865 ft²	722 ft²	Dark	N	0.9	No	0.9	No	0	30.3

ATTIC

√	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
_____	1	Full attic	Vented	300	2474 ft²	N	N

CEILING

√	#	Ceiling Type	Space	R-Value	Ins Type	Area	Framing Frac	Truss Type
_____	1	Knee Wall (Vented)	Main	38	Batt	160 ft²	0.11	Wood
_____	2	Under Attic (Vented)	Main	38	Blown	2474 ft²	0	Wood

FORM R405-2017

INPUT SUMMARY CHECKLIST REPORT

WALLS

√	#	Ornt	Adjacent To	Wall Type	Space	Cavity R-Value	Width Ft	Width In	Height Ft	Height In	Area	Sheathing R-Value	Framing Fraction	Solar Absor.	Below Grade%
____	1	N=>S	Garage	Frame - Wood	Main	13	23	8	10		236.7 ft²		0.23	0.75	0
____	2	W=>E	Garage	Frame - Wood	Main	13	1		10		10.0 ft²		0.23	0.75	0
____	3	N=>S	Exterior	Frame - Wood	Main	13	8	6	10		85.0 ft²		0.23	0.75	0
____	4	E=>W	Exterior	Frame - Wood	Main	13	6		10		60.0 ft²		0.23	0.75	0
____	5	N=>S	Exterior	Frame - Wood	Main	13	40	4	10		403.3 ft²		0.23	0.75	0
____	6	E=>W	Exterior	Frame - Wood	Main	13	12	2	10		121.7 ft²		0.23	0.75	0
____	7	E=>W	Exterior	Frame - Wood	Main	13	16	6	10		165.0 ft²		0.23	0.75	0
____	8	N=>S	Exterior	Frame - Wood	Main	13	16	2	12		194.0 ft²		0.23	0.75	0
____	9	E=>W	Exterior	Frame - Wood	Main	13	18		10		180.0 ft²		0.23	0.75	0
____	10	S=>N	Exterior	Frame - Wood	Main	13	1	6	10		15.0 ft²		0.23	0.75	0
____	11	E=>W	Exterior	Frame - Wood	Main	13	16	4	10		163.3 ft²		0.23	0.75	0
____	12	S=>N	Exterior	Frame - Wood	Main	13	19		12		228.0 ft²		0.23	0.75	0
____	13	W=>E	Exterior	Frame - Wood	Main	13	18		16		288.0 ft²		0.23	0.75	0
____	14	S=>N	Exterior	Frame - Wood	Main	13	22	4	10		223.3 ft²		0.23	0.75	0
____	15	W=>E	Exterior	Frame - Wood	Main	13	4	2	26	0	108.3 ft²		0.23	0.75	0
____	16	S=>N	Exterior	Frame - Wood	Main	13	8	4	10		83.3 ft²		0.23	0.75	0
____	17	E=>W	Exterior	Frame - Wood	Main	13	7	4	10		73.3 ft²		0.23	0.75	0
____	18	S=>N	Exterior	Frame - Wood	Main	13	23	8	10		236.7 ft²		0.23	0.75	0
____	19	W=>E	Exterior	Frame - Wood	Main	13	10	10	10		108.3 ft²		0.23	0.75	0
____	20	S=>N	Exterior	Frame - Wood	Main	13	5	2	10		51.7 ft²		0.23	0.75	0
____	21	W=>E	Exterior	Frame - Wood	Main	13	15	8	10		156.7 ft²		0.23	0.75	0
____	22	N=>S	Exterior	Frame - Wood	Main	13	5	2	10		51.7 ft²		0.23	0.75	0
____	23	W=>E	Exterior	Frame - Wood	Main	13	5	10	10		58.3 ft²		0.23	0.75	0
____	24	S=>N	Exterior	Frame - Wood	Main	13	13	10	10		138.3 ft²		0.23	0.75	0
____	25	N=>S	Exterior	Frame - Wood	Main	13	36	2	6		217.0 ft²		0.23	0.75	0
____	26	S=>N	Exterior	Frame - Wood	Main	13	36	2	6		217.0 ft²		0.23	0.75	0

DOORS

√	#	Ornt	Door Type	Space	Storms	U-Value	Width Ft	Width In	Height Ft	Height In	Area
_____	1	N=>S	Insulated	Main	None	.4	3		6	8	20 ft²
_____	2	N=>S	Insulated	Main	None	.4	3		8		24 ft²
_____	3	N=>S	Insulated	Main	None	.4	2		8		16 ft²
_____	4	E=>W	Insulated	Main	None	.4	3		8		24 ft²
_____	5	N=>S	Insulated	Main	None	.4	1		8		8 ft²
_____	6	S=>N	Insulated	Main	None	.4	3		8		24 ft²

FORM R405-2017

INPUT SUMMARY CHECKLIST REPORT

WINDOWS

Orientation shown is the entered orientation (=>) changed to As Built (rotated 180 degrees).

√	#	Ornt	Wall ID	Frame	Panes	NFRC	U-Factor	SHGC	Imp	Area	Overhang Depth	Overhang Separation	Int Shade	Screening
	1	N=>S	5	Metal	Low-E Double	Yes	0.3	0.2	N	24.0 ft²	13 ft 8 in	2 ft 0 in	None	None
	2	N=>S	5	Metal	Low-E Double	Yes	0.3	0.2	N	32.0 ft²	13 ft 8 in	2 ft 0 in	None	None
	3	N=>S	5	Metal	Low-E Double	Yes	0.3	0.2	N	64.0 ft²	13 ft 8 in	2 ft 0 in	None	None
	4	N=>S	5	Metal	Low-E Double	Yes	0.3	0.2	N	40.0 ft²	13 ft 8 in	2 ft 0 in	None	None
	5	E=>W	6	Metal	Low-E Double	Yes	0.3	0.2	N	13.3 ft²	99 ft 0 in	4 ft 0 in	None	None
	6	E=>W	7	Metal	Low-E Double	Yes	0.3	0.2	N	20.0 ft²	1 ft 6 in	1 ft 0 in	None	None
	7	N=>S	8	Metal	Low-E Double	Yes	0.3	0.2	N	12.0 ft²	1 ft 6 in	3 ft 0 in	None	None
	8	N=>S	8	Metal	Low-E Double	Yes	0.3	0.2	N	4.0 ft²	1 ft 6 in	8 ft 0 in	None	None
	9	E=>W	9	Metal	Low-E Double	Yes	0.3	0.2	N	16.0 ft²	1 ft 6 in	1 ft 0 in	None	None
	10	E=>W	11	Metal	Low-E Double	Yes	0.3	0.2	N	30.0 ft²	1 ft 6 in	1 ft 0 in	None	None
	11	S=>N	12	Metal	Low-E Double	Yes	0.3	0.2	N	36.0 ft²	1 ft 6 in	6 ft 0 in	None	None
	12	S=>N	12	Metal	Low-E Double	Yes	0.3	0.2	N	20.0 ft²	1 ft 6 in	1 ft 0 in	None	None
	13	W=>E	13	Metal	Low-E Double	Yes	0.3	0.2	N	24.0 ft²	1 ft 6 in	8 ft 0 in	None	None
	14	S=>N	24	Metal	Low-E Double	Yes	0.3	0.2	N	64.0 ft²	1 ft 6 in	7 ft 0 in	None	None
	15	S=>N	14	Metal	Low-E Double	Yes	0.3	0.2	N	64.0 ft²	7 ft 8 in	1 ft 0 in	None	None
	16	S=>N	16	Metal	Low-E Double	Yes	0.3	0.2	N	18.0 ft²	1 ft 6 in	1 ft 0 in	None	None
	17	S=>N	18	Metal	Low-E Double	Yes	0.3	0.2	N	54.0 ft²	1 ft 6 in	6 ft 0 in	None	None
	18	W=>E	21	Metal	Low-E Double	Yes	0.3	0.2	N	36.0 ft²	1 ft 6 in	5 ft 0 in	None	None
	19	N=>S	25	Metal	Low-E Double	Yes	0.3	0.2	N	31.5 ft²	1 ft 6 in	2 ft 0 in	None	None
	20	S=>N	26	Metal	Low-E Double	Yes	0.3	0.2	N	31.5 ft²	1 ft 6 in	2 ft 0 in	None	None

GARAGE

√	#	Floor Area	Ceiling Area	Exposed Wall Perimeter	Avg. Wall Height	Exposed Wall Insulation
	1	789.21 ft²	789.21 ft²	90 ft	10 ft	1

INFILTRATION

#	Scope	Method	SLA	CFM 50	ELA	EqLA	ACH	ACH 50
1	Wholehouse	Proposed ACH(50)	.000556	3607.9	198.07	372.5	.2501	7

HEATING SYSTEM

√	#	System Type	Subtype	Efficiency	Capacity	Block	Ducts
	1	Electric Heat Pump/	None	HSPF:8.9	63 kBtu/hr	1	sys#1

COOLING SYSTEM

√	#	System Type	Subtype	Efficiency	Capacity	Air Flow	SHR	Block	Ducts
	1	Central Unit/	None	SEER: 15	63 kBtu/hr	1890 cfm	0.75	1	sys#1

FORM R405-2017

INPUT SUMMARY CHECKLIST REPORT

HOT WATER SYSTEM

√	#	System Type	SubType	Location	EF	Cap	Use	SetPnt	Conservation
_____	1	Electric	None	Garage	0.95	50 gal	60 gal	120 deg	None

SOLAR HOT WATER SYSTEM

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

DUCTS

√	#	---- Supply ---- Location	R-Value	Area	---- Return ---- Location	Area	Leakage Type	Air Handler	CFM 25 TOT	CFM25 OUT	QN	RLF	HVAC # Heat	Cool
_____	1	Attic	6	494.8 ft	Attic	123.7 ft	Default Leakage	Garage	(Default)	(Default)			1	1

TEMPERATURES

Programable Thermostat: Y

Ceiling Fans:

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Cooling	[ ]	[ ]	[ ]	[ ]	[ ]	[X]	[X]	[X]	[X]	[ ]	[ ]	[ ]
Heating	[X]	[X]	[X]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[X]	[X]
Venting	[ ]	[ ]	[X]	[X]	[ ]	[ ]	[ ]	[ ]	[ ]	[X]	[X]	[ ]

Thermostat Schedule: HERS 2006 Reference

Schedule Type		Hours 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

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX* = 100

The lower the Energy Performance Index, the more efficient the home.

1. New home or, addition	1. New (From Plans)
2. Single-family or multiple-family	2. Single-family
3. No. of units (if multiple-family)	3. 1
4. Number of bedrooms	4. 3
5. Is this a worst case? (yes/no)	5. No
6. Conditioned floor area (sq. ft.)	6. 2474
7. Windows, type and area	
a) U-factor:(weighted average)	7a. 0.300
b) Solar Heat Gain Coefficient (SHGC)	7b. 0.200
c) Area	7c. 634.3
8. Skylights	
a) U-factor:(weighted average)	8a. NA
b) Solar Heat Gain Coefficient (SHGC)	8b. NA
9. Floor type, insulation level:	
a) Slab-on-grade (R-value)	9a. 0.0
b) Wood, raised (R-value)	9b.
c) Concrete, raised (R-value)	9c.
10. Wall type and insulation:	
A. Exterior:	
1. Wood frame (Insulation R-value)	10A1. 13.0
2. Masonry (Insulation R-value)	10A2.
B. Adjacent:	
1. Wood frame (Insulation R-value)	10B1. 13.0
2. Masonry (Insulation R-value)	10B2.
11. Ceiling type and insulation level	
a) Under attic	11a. 38.0
b) Single assembly	11b.
c) Knee walls/skylight walls	11c. 38.0
d) Radiant barrier installed	11d. No

12. Ducts, location & insulation level	
a) Supply ducts	R 6.0
b) Return ducts	R 6.0
c) AHU location	Garage
13. Cooling system:	Capacity 63.0
a) Split system	SEER
b) Single package	SEER
c) Ground/water source	SEER/COP
d) Room unit/PTAC	EER
e) Other	15.0
14. Heating system:	Capacity 63.0
a) Split system heat pump	HSPF
b) Single package heat pump	HSPF
c) Electric resistance	COP
d) Gas furnace, natural gas	AFUE
e) Gas furnace, LPG	AFUE
f) Other	8.90
15. Water heating system	
a) Electric resistance	EF 0.95
b) Gas fired, natural gas	EF
c) Gas fired, LPG	EF
d) Solar system with tank	EF
e) Dedicated heat pump with tank	EF
f) Heat recovery unit	HeatRec%
g) Other	
16. HVAC credits claimed (Performance Method)	
a) Ceiling fans	
b) Cross ventilation	No
c) Whole house fan	No
d) Multizone cooling credit	
e) Multizone heating credit	
f) Programmable thermostat	Yes

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

I certify that this home has complied with the Florida Building Code, Energy Conservation, through the above energy saving features which will be installed (or exceeded) in this home before final inspection. Otherwise, a new EPL display card will be completed based on installed code compliant features.

Builder Signature:_____ Date:_____

Address of New Home: _____ City/FL Zip: Lake City, FL

Florida Building Code, Energy Conservation, 6th Edition (2017)
Mandatory Requirements for Residential Performance, Prescriptive and ERI Methods

ADDRESS:	Permit Number:
Lake City , FL ,	

MANDATORY REQUIREMENTS See individual code sections for full details.

✓

SECTION R401 GENERAL

☐ **R401.3 Energy Performance Level (EPL) display card (Mandatory).** The building official shall require that an energy performance level (EPL) display card be completed and certified by the builder to be accurate and correct before final approval of the building for occupancy. Florida law (Section 553.9085, Florida Statutes) requires the EPL display card to be included as an addendum to each sales contract for both presold and nonpresold residential buildings. The EPL display card contains information indicating the energy performance level and efficiencies of components installed in a dwelling unit. The building official shall verify that the EPL display card completed and signed by the builder accurately reflects the plans and specifications submitted to demonstrate code compliance for the building. A copy of the EPL display card can be found in Appendix RD.

☐ **R402.4 Air leakage (Mandatory).** The building thermal envelope shall be constructed to limit air leakage in accordance with the requirements of Sections R402.4.1 through R402.4.5.

Exception: Dwelling units of R-2 Occupancies and multiple attached single family dwellings shall be permitted to comply with Section C402.5.

☐ **R402.4.1 Building thermal envelope.** The building thermal envelope shall comply with Sections R402.4.1.1 and R402.4.1.2. The sealing methods between dissimilar materials shall allow for differential expansion and contraction.

☐ **R402.4.1.1 Installation.** The components of the building thermal envelope as listed in Table R402.4.1.1 shall be installed in accordance with the manufacturer's instructions and the criteria listed in Table R402.4.1.1, as applicable to the method of construction. Where required by the code official, an approved third party shall inspect all components and verify compliance.

☐ **R402.4.1.2 Testing.** The building or dwelling unit shall be tested and verified as having an air leakage rate not exceeding seven air changes per hour in Climate Zones 1 and 2, and three air changes per hour in Climate Zones 3 through 8. Testing shall be conducted in accordance with ANSI/RESNET/ICC 380 and reported at a pressure of 0.2 inch w.g. (50 pascals). Testing shall be conducted by either individuals as defined in Section 553.993(5) or (7), Florida Statutes, or individuals licensed as set forth in Section 489.105(3)(f), (g) or (i) or an approved third party. A written report of the results of the test shall be signed by the party conducting the test and provided to the code official. Testing shall be performed at any time after creation of all penetrations of the building thermal envelope.

Exception: Testing is not required for additions, alterations, renovations, or repairs, of the building thermal envelope of existing buildings in which the new construction is less than 85 percent of the building thermal envelope.

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

☐ **R402.4.2 Fireplaces.** New wood-burning fireplaces shall have tight-fitting flue dampers or doors, and outdoor combustion air. Where using tight-fitting doors on factory-built fireplaces listed and labeled in accordance with UL 127, the doors shall be tested and listed for the fireplace. Where using tight-fitting doors on masonry fireplaces, the doors shall be listed and labeled in accordance with UL 907.

☐ **R402.4.3 Fenestration air leakage.** Windows, skylights and sliding glass doors shall have an air infiltration rate of no more than 0.3 cfm per square foot (1.5 L/s/m2), and swinging doors no more than 0.5 cfm per square foot (2.6 L/s/m2), when tested according to NFRC 400 or AAMA/ WDMA/CSA 101/I.S.2/A440 by an accredited, independent laboratory and listed and labeled by the manufacturer.

Exception: Site-built windows, skylights and doors.

MANDATORY REQUIREMENTS - (Continued)

☐ **R402.4.4 Rooms containing fuel-burning appliances.** In Climate Zones 3 through 8, where open combustion air ducts provide combustion air to open combustion fuel burning appliances, the appliances and combustion air opening shall be located outside the building thermal envelope or enclosed in a room, isolated from inside the thermal envelope. Such rooms shall be sealed and insulated in accordance with the envelope requirements of Table R402.1.2, where the walls, floors and ceilings shall meet not less than the basement wall R-value requirement. The door into the room shall be fully gasketed and any water lines and ducts in the room insulated in accordance with Section R403. The combustion air duct shall be insulated where it passes through conditioned space to a minimum of R-8.

Exceptions:

1. Direct vent appliances with both intake and exhaust pipes installed continuous to the outside.
2. Fireplaces and stoves complying with Section R402.4.2 and Section R1006 of the Florida Building Code, Residential.

☐ **R402.4.5 Recessed lighting.** Recessed luminaires installed in the building thermal envelope shall be sealed to limit air leakage between conditioned and unconditioned spaces. All recessed luminaires shall be IC-rated and labeled as having an air leakage rate not more than 2.0 cfm (0.944 L/s) when tested in accordance with ASTM E283 at a 1.57 psf (75 Pa) pressure differential. All recessed luminaires shall be sealed with a gasket or caulk between the housing and the interior wall or ceiling covering.

SECTION R403 SYSTEMS

R403.1 Controls.

☐ **R403.1.1 Thermostat provision (Mandatory).** At least one thermostat shall be provided for each separate heating and cooling system.

☐ **R403.1.3 Heat pump supplementary heat (Mandatory).** Heat pumps having supplementary electric-resistance heat shall have controls that, except during defrost, prevent supplemental heat operation when the heat pump compressor can meet the heating load.

☐ **R403.3.2 Sealing (Mandatory)** All ducts, air handlers, filter boxes and building cavities that form the primary air containment passageways for air distribution systems shall be considered ducts or plenum chambers, shall be constructed and sealed in accordance with Section C403.2.9.2 of the Commercial Provisions of this code and shall be shown to meet duct tightness criteria below.

Duct tightness shall be verified by testing in accordance with ANSI/RESNET/ICC 380 by either individuals as defined in Section 553.993(5) or (7), Florida Statutes, or individuals licensed as set forth in Section 489.105(3)(f), (g) or (i), Florida Statutes, to be "substantially leak free" in accordance with Section R403.3.3.

☐ **R403.3.2.1 Sealed air handler.** Air handlers shall have a manufacturer's designation for an air leakage of no more than 2 percent of the design airflow rate when tested in accordance with ASHRAE 193.

☐ **R403.3.3 Duct testing (Mandatory).** Ducts shall be pressure tested to determine air leakage by one of the following methods:

1. Rough-in test: Total leakage shall be measured with a pressure differential of 0.1 inch w.g. (25 Pa) across the system, including the manufa air handler enclosure if installed at the time of the test. All registers shall be taped or otherwise sealed during the test.
2. Postconstruction test: Total leakage shall be measured with a pressure differential of 0.1 inch w.g. (25 Pa) across the entire system, including the manufacturer's air handler enclosure. Registers shall be taped or otherwise sealed during the test.

Exceptions:

1. A duct air leakage test shall not be required where the ducts and air handlers are located entirely within the building thermal envelope.
2. Duct testing is not mandatory for buildings complying by Section 405 of this code.

A written report of the results of the test shall be signed by the party conducting the test and provided to the code official.

☐ **R403.3.5 Building cavities (Mandatory).** Building framing cavities shall not be used as ducts or plenums.

☐ **R403.4 Mechanical system piping insulation (Mandatory).** Mechanical system piping capable of carrying fluids above 105°F (41°C) or below 55°F (13°C) shall be insulated to a minimum of R-3.

☐ **R403.4.1 Protection of piping insulation.** Piping insulation exposed to weather shall be protected from damage, including that caused by sunlight, moisture, equipment maintenance and wind, and shall provide shielding from solar radiation that can cause degradation of the material. Adhesive tape shall not be permitted.

☐ **R403.5.1 Heated water circulation and temperature maintenance systems (Mandatory)**Heated water circulation systems shall be in accordance with Section R403.5.1.1. Heat trace temperature maintenance systems shall be in accordance with Section R403.5.1.2. Automatic controls, temperature sensors and pumps shall be accessible. Manual controls shall be readily accessible.

☐ **R403.5.1.1 Circulation systems.** Heated water circulation systems shall be provided with a circulation pump. The system return pipe shall be a dedicated return pipe or a cold water supply pipe. Gravity and thermosiphon circulation systems shall be prohibited. Controls for circulating hot water system pumps shall start the pump based on the identification of a demand for hot water within the occupancy. The controls shall automatically turn off the pump when the water in the circulation loop is at the desired temperature and when there is no demand for hot water.

☐ **R403.5.1.2 Heat trace systems.** Electric heat trace systems shall comply with IEEE 515.1 or UL 515. Controls for such systems shall automatically adjust the energy input to the heat tracing to maintain the desired water temperature in the piping in accordance with the times when heated water is used in the occupancy.

MANDATORY REQUIREMENTS - (Continued)

☐ **R403.5.5 Heat traps (Mandatory).** Storage water heaters not equipped with integral heat traps and having vertical pipe risers shall have heat traps installed on both the inlets and outlets. External heat traps shall consist of either a commercially available heat trap or a downward and upward bend of at least 3 ½ inches (89 mm) in the hot water distribution line and cold water line located as close as possible to the storage tank.

R403.5.6 Water heater efficiencies (Mandatory).

☐ **R403.5.6.1.1 Automatic controls.** Service water-heating systems shall be equipped with automatic temperature controls capable of adjustment from the lowest to the highest acceptable temperature settings for the intended use. The minimum temperature setting range shall be from 100°F to 140°F (38°C to 60°C).

☐ **R403.5.6.1.2 Shut down.** A separate switch or a clearly marked circuit breaker shall be provided to permit the power supplied to electric service systems to be turned off. A separate valve shall be provided to permit the energy supplied to the main burner(s) of combustion types of service water-heating systems to be turned off.

☐ **R403.5.6.2 Water-heating equipment.** Water-heating equipment installed in residential units shall meet the minimum efficiencies of Table C404.2 in Chapter 4 of the Florida Building Code, Energy Conservation, Commercial Provisions, for the type of equipment installed. Equipment used to provide heating functions as part of a combination system shall satisfy all stated requirements for the appropriate water-heating category. Solar water heaters shall meet the criteria of Section R403.5.6.2.1.

☐ **R403.5.6.2.1 Solar water-heating systems.** Solar systems for domestic hot water production are rated by the annual solar energy factor of the system. The solar energy factor of a system shall be determined from the Florida Solar Energy Center Directory of Certified Solar Systems. Solar collectors shall be tested in accordance with ISO Standard 9806, Test Methods for Solar Collectors, and SRCC Standard TM-1, Solar Domestic Hot Water System and Component Test Protocol. Collectors in installed solar water-heating systems should meet the following criteria:

1. Be installed with a tilt angle between 10 degrees and 40 degrees of the horizontal; and
2. Be installed at an orientation within 45 degrees of true south.

☐ **R403.6 Mechanical ventilation (Mandatory).** The building shall be provided with ventilation that meets the requirements of the Florida Building Code, Residential, or Florida Building Code, Mechanical, as applicable, or with other approved means of ventilation including: Natural, Infiltration or Mechanical means. Outdoor air intakes and exhausts shall have automatic or gravity dampers that close when the ventilation system is not operating.

☐ **R403.6.1 Whole-house mechanical ventilation system fan efficacy.** When installed to function as a whole-house mechanical ventilation system, fans shall meet the efficacy requirements of Table R403.6.1.

Exception: Where whole-house mechanical ventilation fans are integral to tested and listed HVAC equipment, they shall be powered by an electronically commutated motor.

☐ **R403.6.2 Ventilation air.** Residential buildings designed to be operated at a positive indoor pressure or for mechanical ventilation shall meet the following criteria:

1. The design air change per hour minimums for residential buildings in ASHRAE 62.2, Ventilation for Acceptable Indoor Air Quality, shall be the maximum rates allowed for residential applications.
2. No ventilation or air-conditioning system make-up air shall be provided to conditioned space from attics, crawlspaces, attached enclosed garages or outdoor spaces adjacent to swimming pools or spas.
3. If ventilation air is drawn from enclosed space(s), then the walls of the space(s) from which air is drawn shall be insulated to a minimum of R-11 and the ceiling shall be insulated to a minimum of R-19, space permitting, or R-10 otherwise.

R403.7 Heating and cooling equipment (Mandatory).

☐ **R403.7.1 Equipment sizing.** Heating and cooling equipment shall be sized in accordance with ACCA Manual S based on the equipment loads calculated in accordance with ACCA Manual J or other approved heating and cooling calculation methodologies, based on building loads for the directional orientation of the building. The manufacturer and model number of the outdoor and indoor units (if split system) shall be submitted along with the sensible and total cooling capacities at the design conditions described in Section R302.1. This Code does not allow designer safety factors, provisions for future expansion or other factors that affect equipment sizing. System sizing calculations shall not include loads created by local intermittent mechanical ventilation such as standard kitchen and bathroom exhaust systems. New or replacement heating and cooling equipment shall have an efficiency rating equal to or greater than the minimum required by federal law for the geographic location where the equipment is installed.

TABLE R403.6.1
WHOLE-HOUSE MECHANICAL VENTILATION SYSTEM FAN EFFICACY

FAN LOCATION	AIRFLOW RATE MINIMUM (CFM)	MINIMUM EFFICACY [a] (CFM/WATT)	AIRFLOW RATE MAXIMUM (CFM)
Range hoods	Any	2.8 cfm/watt	Any
In-line fan	Any	2.8 cfm/watt	Any
Bathroom, utility room	10	1.4 cfm/watt	<90
Bathroom, utility room	90	2.8 cfm/watt	Any

For SI: 1 cfm = 28.3 L/min. a. When tested in accordance with HVI Standard 916

MANDATORY REQUIREMENTS - (Continued)

☐ **R403.7.1.1 Cooling equipment capacity.** Cooling only equipment shall be selected so that its total capacity is not less than the calculated total load but not more than 1.15 times greater than the total load calculated according to the procedure selected in Section 403.7, or the closest available size provided by the manufacturer's product lines. The corresponding latent capacity of the equipment shall not be less than the calculated latent load.

The published value for AHRI total capacity is a nominal, rating-test value and shall not be used for equipment sizing. Manufacturer's expanded performance data shall be used to select cooling-only equipment. This selection shall be based on the outdoor design dry-bulb temperature for the load calculation (or entering water temperature for water-source equipment), the blower CFM provided by the expanded performance data, the design value for entering wet-bulb temperature and the design value for entering dry-bulb temperature.

Design values for entering wet-bulb and dry-bulb temperatures shall be for the indoor dry bulb and relative humidity used for the load calculation and shall be adjusted for return side gains if the return duct(s) is installed in an unconditioned space.

Exceptions:

1. Attached single- and multiple-family residential equipment sizing may be selected so that its cooling capacity is less than the calculated total sensible load but not less than 80 percent of that load.
2. When signed and sealed by a Florida-registered engineer, in attached single- and multiple-family units, the capacity of equipment may be sized in accordance with good design practice.

R403.7.1.2 Heating equipment capacity.

☐ **R403.7.1.2.1 Heat pumps.** Heat pump sizing shall be based on the cooling requirements as calculated according to Section R403.7.1.1, and the heat pump total cooling capacity shall not be more than 1.15 times greater than the design cooling load even if the design heating load is 1.15 times greater than the design cooling load.

☐ **R403.7.1.2.2 Electric resistance furnaces.** Electric resistance furnaces shall be sized within 4 kW of the design requirements calculated according to the procedure selected in Section R403.7.1.

☐ **R403.7.1.2.3 Fossil fuel heating equipment.** The capacity of fossil fuel heating equipment with natural draft atmospheric burners shall not be less than the design load calculated in accordance with Section R403.7.1.

☐ **R403.7.1.3 Extra capacity required for special occasions.** Residences requiring excess cooling or heating equipment capacity on an intermittent basis, such as anticipated additional loads caused by major entertainment events, shall have equipment sized or controlled to prevent continuous space cooling or heating within that space by one or more of the following options:

1. A separate cooling or heating system is utilized to provide cooling or heating to the major entertainment areas.
2. A variable capacity system sized for optimum performance during base load periods is utilized.

☐ **R403.8 Systems serving multiple dwelling units (Mandatory).** Systems serving multiple dwelling units shall comply with Sections C403 and C404 of the IECC—Commercial Provisions in lieu of Section R403.

☐ **R403.9 Snow melt and ice system controls (Mandatory)** Snow- and ice-melting systems, supplied through energy service to the building, shall include automatic controls capable of shutting off the system when the pavement temperature is above 50°F (10°C), and no precipitation is falling and an automatic or manual control that will allow shutoff when the outdoor temperature is above 40°F (4.8°C).

☐ **R403.10 Pools and permanent spa energy consumption (Mandatory).** The energy consumption of pools and permanent spas shall be in accordance with Sections R403.10.1 through R403.10.5.

☐ **R403.10.1 Heaters.** The electric power to heaters shall be controlled by a readily accessible on-off switch that is an integral part of the heater mounted on the exterior of the heater, or external to and within 3 feet (914 mm) of the heater. Operation of such switch shall not change the setting of the heater thermostat. Such switches shall be in addition to a circuit breaker for the power to the heater. Gas-fired heaters shall not be equipped with continuously burning ignition pilots.

☐ **R403.10.2 Time switches.** Time switches or other control methods that can automatically turn off and on according to a preset schedule shall be installed for heaters and pump motors. Heaters and pump motors that have built-in time switches shall be in compliance with this section.

Exceptions:

1. Where public health standards require 24-hour pump operation.
2. Pumps that operate solar- and waste-heat-recovery pool heating systems.
3. Where pumps are powered exclusively from on-site renewable generation.

☐ **R403.10.3 Covers.** Outdoor heated swimming pools and outdoor permanent spas shall be equipped with a vapor-retardant cover on or at the water surface or a liquid cover or other means proven to reduce heat loss.

Exception: Where more than 70 percent of the energy for heating, computed over an operation season, is from site-recovered energy, such as from a heat pump or solar energy source, covers or other vapor-retardant means shall not be required.

☐ **R403.10.4 Gas- and oil-fired pool and spa heaters.** All gas- and oil-fired pool and spa heaters shall have a minimum thermal efficiency of 82 percent for heaters manufactured on or after April 16, 2013, when tested in accordance with ANSI Z 21.56. Pool heaters fired by natural or LP gas shall not have continuously burning pilot lights.

☐ **R403.10.5 Heat pump pool heaters.** Heat pump pool heaters shall have a minimum COP of 4.0 when tested in accordance with AHRI 1160, Table 2, Standard Rating Conditions-Low Air Temperature. A test report from an independent laboratory is required to verify procedure compliance. Geothermal swimming pool heat pumps are not required to meet this standard.

☐ **R403.11 Portable spas (Mandatory).** The energy consumption of electric-powered portable spas shall be controlled by the requirements of APSP-14.

SECTION R404

ELECTRICAL POWER AND LIGHTING SYSTEMS

☐ **R404.1 Lighting equipment (Mandatory).** Not less than 75 percent of the lamps in permanently installed lighting fixtures shall be high-efficacy lamps or not less than 75 percent of the permanently installed lighting fixtures shall contain only high-efficacy lamps.

Exception: Low-voltage lighting.

R404.1.1 Lighting equipment (Mandatory) Fuel gas lighting systems shall not have continuously burning pilot lights.

2017 - AIR BARRIER AND INSULATION INSPECTION COMPONENT CRITERIA

TABLE 402.4.1.1
AIR BARRIER AND INSULATION INSPECTION COMPONENT CRITERIA

				CHECK
Project Name:	190622 Simque	Builder Name:		
Street:		Permit Office:		
City, State, Zip:	Lake City , FL ,	Permit Number:		
Owner:	Aaron Simque	Jurisdiction:		
Design Location:	FL, Gainesville			

COMPONENT	AIR BARRIER CRITERIA	INSULATION INSTALLATION CRITERIA	
General requirements	A continuous air barrier shall be installed in the building envelope. The exterior thermal envelope contains a continuous air barrier. Breaks or joints in the air barrier shall be sealed.	Air-permeable insulation shall not be used as a sealing material.	
Ceiling/attic	The air barrier in any dropped ceiling/soffit shall be aligned with the insulation and any gaps in the air barrier shall be sealed. Access openings, drop down stairs or knee wall doors to unconditioned attic spaces shall be sealed.	The insulation in any dropped ceiling/soffit shall be aligned with the air barrier.	
Walls	The junction of the foundation and sill plate shall be sealed. The junction of the top plate and the top of exterior walls shall be sealed. Knee walls shall be sealed.	Cavities within corners and headers of frame walls shall be insulated by completely filling the cavity with a material having a thermal resistance of R-3 per inch minimum. Exterior thermal envelope insulation for framed walls shall be installed in substantial contact and continuous alignment with the air barrier.	
Windows, skylights and doors	The space between window/door jambs and framing, and skylights and framing shall be sealed.		
Rim joists	Rim joists shall include the air barrier.	Rim joists shall be insulated.	
Floors (including above-garage and cantilevered floors)	The air barrier shall be installed at any exposed edge of insulation.	Floor framing cavity insulation shall be installed to maintain permanent contact with the underside of subfloor decking, or floor framing cavity insulation shall be permitted to be in contact with the top side of sheathing, or continuous insulation installed on the underside of floor framing and extends from the bottom to the top of all perimeter floor framing members.	
Crawl space walls	Exposed earth in unvented crawl spaces shall be covered with a Class I vapor retarder with overlapping joints taped.	Where provided instead of floor insulation, insulation shall be permanently attached to the crawlspace	
Shafts, penetrations	Duct shafts, utility penetrations, and flue shafts opening to exterior or unconditioned space shall be sealed.		
Narrow cavities		Batts in narrow cavities shall be cut to fit, or narrow cavities shall be filled by insulation that on installation readily conforms to the available cavity spaces.	
Garage separation	Air sealing shall be provided between the garage and conditioned spaces.		
Recessed lighting	Recessed light fixtures installed in the building thermal envelope shall be sealed to the drywall.	Recessed light fixtures installed in the building thermal envelope shall be air tight and IC rated.	
Plumbing and wiring		Batt insulation shall be cut neatly to fit around wiring and plumbing in exterior walls, or insulation that on installation readily conforms to available space shall extend behind piping and wiring.	
Shower/tub on exterior wall	The air barrier installed at exterior walls adjacent to showers and tubs shall separate them from the showers and tubs.	Exterior walls adjacent to showers and tubs shall be insulated.	
Electrical/phone box on exterior walls	The air barrier shall be installed behind electrical or communication boxes or air-sealed boxes shall be installed.		
HVAC register boots	HVAC register boots that penetrate building thermal envelope shall be sealed to the sub-floor or drywall.		
Concealed sprinklers	When required to be sealed, concealed fire sprinklers shall only be sealed in a manner that is recommended by the manufacturer. Caulking or other adhesive sealants shall not be used to fill voids between fire sprinkler cover plates and walls or ceilings.		

a. In addition, inspection of log walls shall be in accordance with the provisions of ICC-400.

Envelope Leakage Test Report (Blower Door Test)

Residential Prescriptive, Performance or ERI Method Compliance
2017 Florida Building Code, Energy Conservation, 6th Edition

Jurisdiction:	Permit #:

Job Information

Builder:	Community:	Lot: 4
Address:		
City: Lake City	State: FL	Zip:

Air Leakage Test Results *Passing results must meet either the Performance, Prescriptive, or ERI Method*

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

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

ACH(50) specified on Form R405-2017-Energy Calc (Performance) or R406-2017 (ERI): 7.000

_____ x 60 ÷ 30925 = _____
CFM(50) Building Volume ACH(50)

☐ **PASS**

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

Method for calculating building volume:

○ Retrieved from architectural plans

● Code software calculated

○ Field measured and calculated

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

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

Testing Company

Company Name: _____ Phone: _____

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

Signature of Tester: _____ Date of Test: _____

Printed Name of Tester: _____

License/Certification #: _____ Issuing Authority: _____

Residential System Sizing Calculation

Summary

Aaron Simque

Lake City, FL

Project Title:
190622 Simque

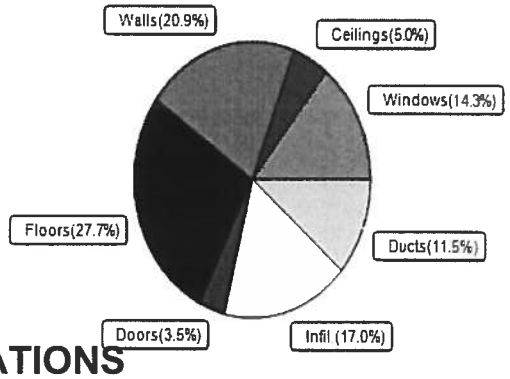
2019-06-09

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	**53081**	**Btuh**	**Total cooling load calculation**	**42646**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	118.7	63000	Sensible (SHR = 0.75)	136.2	47250
Heat Pump + Auxiliary(0.0kW)	118.7	63000	Latent	198.3	15750
			Total (Electric Heat Pump)	147.7	63000

WINTER CALCULATIONS

Winter Heating Load (for 2474 sqft)

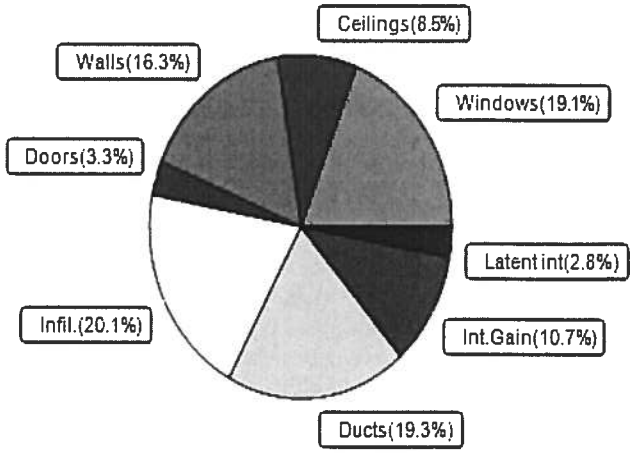
Load component			Load	
Window total	634	sqft	7612	Btuh
Wall total	3124	sqft	11090	Btuh
Door total	116	sqft	1856	Btuh
Ceiling total	2634	sqft	2674	Btuh
Floor total	2474	sqft	14726	Btuh
Infiltration	206	cfm	9030	Btuh
Duct loss			6092	Btuh
Subtotal			**53081**	**Btuh**
Ventilation	0	cfm	0	Btuh
TOTAL HEAT LOSS			**53081**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 2474 sqft)

Load component			Load	
Window total	634	sqft	8128	Btuh
Wall total	3124	sqft	6939	Btuh
Door total	116	sqft	1392	Btuh
Ceiling total	2634	sqft	3610	Btuh
Floor total			0	Btuh
Infiltration	155	cfm	3217	Btuh
Internal gain			4580	Btuh
Duct gain			6838	Btuh
Sens. Ventilation	0	cfm	0	Btuh
Blower Load			0	Btuh
Total sensible gain			**34703**	**Btuh**
Latent gain(ducts)			1405	Btuh
Latent gain(infiltration)			5338	Btuh
Latent gain(ventilation)			0	Btuh
Latent gain(internal/occupants/other)			1200	Btuh
Total latent gain			**7943**	**Btuh**
TOTAL HEAT GAIN			**42646**	**Btuh**



Prepared by ACCA MANUAL J 8th Edition

EnergyGauge® System Sizing
PREPARED BY: Evan Beamsley
DATE: 2019-06-10

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Aaron Simque

Project Title:
190622 Simque

Lake City, FL

Building Type: User

2019-06-09

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

Component Loads for Whole House

Window	Panes/Type	Frame	U	Orientation	Area(sqft) X	HTM=	Load
1	2, NFRC 0.20	Metal	0.30	S	24.0	12.0	288 Btuh
2	2, NFRC 0.20	Metal	0.30	S	32.0	12.0	384 Btuh
3	2, NFRC 0.20	Metal	0.30	S	64.0	12.0	768 Btuh
4	2, NFRC 0.20	Metal	0.30	S	40.0	12.0	480 Btuh
5	2, NFRC 0.20	Metal	0.30	W	13.3	12.0	160 Btuh
6	2, NFRC 0.20	Metal	0.30	W	20.0	12.0	240 Btuh
7	2, NFRC 0.20	Metal	0.30	S	12.0	12.0	144 Btuh
8	2, NFRC 0.20	Metal	0.30	S	4.0	12.0	48 Btuh
9	2, NFRC 0.20	Metal	0.30	W	16.0	12.0	192 Btuh
10	2, NFRC 0.20	Metal	0.30	W	30.0	12.0	360 Btuh
11	2, NFRC 0.20	Metal	0.30	N	36.0	12.0	432 Btuh
12	2, NFRC 0.20	Metal	0.30	N	20.0	12.0	240 Btuh
13	2, NFRC 0.20	Metal	0.30	E	24.0	12.0	288 Btuh
14	2, NFRC 0.20	Metal	0.30	N	64.0	12.0	768 Btuh
15	2, NFRC 0.20	Metal	0.30	N	64.0	12.0	768 Btuh
16	2, NFRC 0.20	Metal	0.30	N	18.0	12.0	216 Btuh
17	2, NFRC 0.20	Metal	0.30	N	54.0	12.0	648 Btuh
18	2, NFRC 0.20	Metal	0.30	E	36.0	12.0	432 Btuh
19	2, NFRC 0.20	Metal	0.30	S	31.5	12.0	378 Btuh
20	2, NFRC 0.20	Metal	0.30	N	31.5	12.0	378 Btuh
	Window Total				634.3(sqft)		7612 Btuh

Walls	Type	Ornt.	Ueff.	R-Value (Cav/Sh)	Area X	HTM=	Load
1	Frame - Wood	- Adj	(0.089)	13.0/0.0	217	3.55	769 Btuh
2	Frame - Wood	- Adj	(0.089)	13.0/0.0	10	3.55	36 Btuh
3	Frame - Wood	- Ext	(0.089)	13.0/0.0	61	3.55	217 Btuh
4	Frame - Wood	- Ext	(0.089)	13.0/0.0	60	3.55	213 Btuh
5	Frame - Wood	- Ext	(0.089)	13.0/0.0	227	3.55	807 Btuh
6	Frame - Wood	- Ext	(0.089)	13.0/0.0	84	3.55	299 Btuh
7	Frame - Wood	- Ext	(0.089)	13.0/0.0	145	3.55	515 Btuh
8	Frame - Wood	- Ext	(0.089)	13.0/0.0	170	3.55	604 Btuh
9	Frame - Wood	- Ext	(0.089)	13.0/0.0	164	3.55	582 Btuh
10	Frame - Wood	- Ext	(0.089)	13.0/0.0	15	3.55	53 Btuh
11	Frame - Wood	- Ext	(0.089)	13.0/0.0	133	3.55	473 Btuh
12	Frame - Wood	- Ext	(0.089)	13.0/0.0	172	3.55	611 Btuh
13	Frame - Wood	- Ext	(0.089)	13.0/0.0	264	3.55	937 Btuh
14	Frame - Wood	- Ext	(0.089)	13.0/0.0	135	3.55	480 Btuh
15	Frame - Wood	- Ext	(0.089)	13.0/0.0	108	3.55	385 Btuh
16	Frame - Wood	- Ext	(0.089)	13.0/0.0	65	3.55	232 Btuh
17	Frame - Wood	- Ext	(0.089)	13.0/0.0	73	3.55	260 Btuh
18	Frame - Wood	- Ext	(0.089)	13.0/0.0	183	3.55	649 Btuh
19	Frame - Wood	- Ext	(0.089)	13.0/0.0	108	3.55	385 Btuh
20	Frame - Wood	- Ext	(0.089)	13.0/0.0	52	3.55	183 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Aaron Simque

Lake City, FL

Project Title:
190622 Simque
Building Type: User

2019-06-09

Walls	Type	Ornt.	Ueff.	R-Value (Cav/Sh)	Area X	HTM=	Load
21	Frame - Wood	- Ext	(0.089)	13.0/0.0	121	3.55	428 Btuh
22	Frame - Wood	- Ext	(0.089)	13.0/0.0	52	3.55	183 Btuh
23	Frame - Wood	- Ext	(0.089)	13.0/0.0	58	3.55	207 Btuh
24	Frame - Wood	- Ext	(0.089)	13.0/0.0	74	3.55	264 Btuh
25	Frame - Wood	- Ext	(0.089)	13.0/0.0	186	3.55	659 Btuh
26	Frame - Wood	- Ext	(0.089)	13.0/0.0	186	3.55	659 Btuh
	Wall Total				3124(sqft)		11090 Btuh
Doors	Type	Storm	Ueff.		Area X	HTM=	Load
1	Insulated - Garage,	n	(0.400)		20	16.0	320 Btuh
2	Insulated - Exterior,	n	(0.400)		24	16.0	384 Btuh
3	Insulated - Exterior,	n	(0.400)		16	16.0	256 Btuh
4	Insulated - Exterior,	n	(0.400)		24	16.0	384 Btuh
5	Insulated - Exterior,	n	(0.400)		8	16.0	128 Btuh
6	Insulated - Exterior,	n	(0.400)		24	16.0	384 Btuh
	Door Total				116(sqft)		1856Btuh
Ceilings	Type/Color/Surface		Ueff.	R-Value	Area X	HTM=	Load
1	Knee Wall/D/Metal		(0.025)	38.0/0.0	160	1.0	162 Btuh
2	Vented Attic/D/Metal		(0.025)	38.0/0.0	2474	1.0	2512 Btuh
	Ceiling Total				2634(sqft)		2674Btuh
Floors	Type		Ueff.	R-Value	Size X	HTM=	Load
1	Slab On Grade		(1.180)	0.0	312.0 ft(perim.)	47.2	14726 Btuh
	Floor Total				2474 sqft		14726 Btuh
					Envelope Subtotal:		37959 Btuh
Infiltration	Type	Wholehouse	ACH	Volume(cuft)	Wall Ratio	CFM=	
	Natural		0.40	30925	1.00	206.2	9030 Btuh
Duct load	Average sealed, R6.0, Supply(Att), Return(Att)					(DLM of 0.130)	6092 Btuh
All Zones					**Sensible Subtotal All Zones**		**53081 Btuh**

Manual J Winter Calculations

Residential Load - Component Details (continued)

Aaron Simque

Lake City, FL

Project Title:
190622 Simque
Building Type: User

2019-06-09

WHOLE HOUSE TOTALS

Totals for Heating	Subtotal Sensible Heat Loss	53081 Btuh
	Ventilation Sensible Heat Loss	0 Btuh
	Total Heat Loss	53081 Btuh

EQUIPMENT

1. Electric Heat Pump	#	63000 Btuh

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

Version 8

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Aaron Simque

Project Title:
190622 Simque

Lake City, FL

2019-06-09

Reference City: Gainesville, FL Temperature Difference: 19.0F(TMY3 99%) Humidity difference: 51gr.

Component Loads for Whole House

Window	Type*					Overhang		Window Area(sqft)			HTM		Load
	Panes	SHGC	U	InSh	IS	Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded	
1	2 NFRC	0.20, 0.30		No	No	S	13.7f	2.0ft.	24.0	24.0	0.0	10	11	238 Btuh
2	2 NFRC	0.20, 0.30		No	No	S	13.7f	2.0ft.	32.0	32.0	0.0	10	11	317 Btuh
3	2 NFRC	0.20, 0.30		No	No	S	13.7f	2.0ft.	64.0	64.0	0.0	10	11	634 Btuh
4	2 NFRC	0.20, 0.30		No	No	S	13.7f	2.0ft.	40.0	40.0	0.0	10	11	396 Btuh
5	2 NFRC	0.20, 0.30		No	No	W	99.0f	4.0ft.	13.3	13.3	0.0	10	25	132 Btuh
6	2 NFRC	0.20, 0.30		No	No	W	1.5ft.	1.0ft.	20.0	1.2	18.8	10	25	481 Btuh
7	2 NFRC	0.20, 0.30		No	No	S	1.5ft.	3.0ft.	12.0	8.3	3.7	10	11	125 Btuh
8	2 NFRC	0.20, 0.30		No	No	S	1.5ft.	8.0ft.	4.0	1.0	3.0	10	11	44 Btuh
9	2 NFRC	0.20, 0.30		No	No	W	1.5ft.	1.0ft.	16.0	2.0	14.0	10	25	370 Btuh
10	2 NFRC	0.20, 0.30		No	No	W	1.5ft.	1.0ft.	30.0	1.2	28.8	10	25	731 Btuh
11	2 NFRC	0.20, 0.30		No	No	N	1.5ft.	6.0ft.	36.0	0.0	36.0	10	10	357 Btuh
12	2 NFRC	0.20, 0.30		No	No	N	1.5ft.	1.0ft.	20.0	0.0	20.0	10	10	198 Btuh
13	2 NFRC	0.20, 0.30		No	No	E	1.5ft.	8.0ft.	24.0	0.0	24.0	10	25	600 Btuh
14	2 NFRC	0.20, 0.30		No	No	N	1.5ft.	7.0ft.	64.0	0.0	64.0	10	10	634 Btuh
15	2 NFRC	0.20, 0.30		No	No	N	7.7ft.	1.0ft.	64.0	0.0	64.0	10	10	634 Btuh
16	2 NFRC	0.20, 0.30		No	No	N	1.5ft.	1.0ft.	18.0	0.0	18.0	10	10	178 Btuh
17	2 NFRC	0.20, 0.30		No	No	N	1.5ft.	6.0ft.	54.0	0.0	54.0	10	10	535 Btuh
18	2 NFRC	0.20, 0.30		No	No	E	1.5ft.	5.0ft.	36.0	0.0	36.0	10	25	899 Btuh
19	2 NFRC	0.20, 0.30		No	No	S	1.5ft.	2.0ft.	31.5	31.5	0.0	10	11	312 Btuh
20	2 NFRC	0.20, 0.30		No	No	N	1.5ft.	2.0ft.	31.5	0.0	31.5	10	10	312 Btuh
	Window Total								634 (sqft)					8128 Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

Aaron Simque

Project Title: 190622 Simque

Climate:FL_GAINESVILLE_REGIONAL_A

Lake City, FL

2019-06-09

Walls	Type	U-Value	R-Value Cav/Sheath	Area(sqft)	HTM	Load
1	Frame - Wood - Adj	0.09	13.0/0.0	216.7	1.7	365 Btuh
2	Frame - Wood - Adj	0.09	13.0/0.0	10.0	1.7	17 Btuh
3	Frame - Wood - Ext	0.09	13.0/0.0	61.0	2.3	138 Btuh
4	Frame - Wood - Ext	0.09	13.0/0.0	60.0	2.3	136 Btuh
5	Frame - Wood - Ext	0.09	13.0/0.0	227.3	2.3	515 Btuh
6	Frame - Wood - Ext	0.09	13.0/0.0	84.3	2.3	191 Btuh
7	Frame - Wood - Ext	0.09	13.0/0.0	145.0	2.3	328 Btuh
8	Frame - Wood - Ext	0.09	13.0/0.0	170.0	2.3	385 Btuh
9	Frame - Wood - Ext	0.09	13.0/0.0	164.0	2.3	371 Btuh
10	Frame - Wood - Ext	0.09	13.0/0.0	15.0	2.3	34 Btuh
11	Frame - Wood - Ext	0.09	13.0/0.0	133.3	2.3	302 Btuh
12	Frame - Wood - Ext	0.09	13.0/0.0	172.0	2.3	389 Btuh
13	Frame - Wood - Ext	0.09	13.0/0.0	264.0	2.3	598 Btuh
14	Frame - Wood - Ext	0.09	13.0/0.0	135.3	2.3	306 Btuh
15	Frame - Wood - Ext	0.09	13.0/0.0	108.3	2.3	245 Btuh
16	Frame - Wood - Ext	0.09	13.0/0.0	65.3	2.3	148 Btuh
17	Frame - Wood - Ext	0.09	13.0/0.0	73.3	2.3	166 Btuh
18	Frame - Wood - Ext	0.09	13.0/0.0	182.7	2.3	413 Btuh
19	Frame - Wood - Ext	0.09	13.0/0.0	108.3	2.3	245 Btuh
20	Frame - Wood - Ext	0.09	13.0/0.0	51.7	2.3	117 Btuh
21	Frame - Wood - Ext	0.09	13.0/0.0	120.7	2.3	273 Btuh
22	Frame - Wood - Ext	0.09	13.0/0.0	51.7	2.3	117 Btuh
23	Frame - Wood - Ext	0.09	13.0/0.0	58.3	2.3	132 Btuh
24	Frame - Wood - Ext	0.09	13.0/0.0	74.3	2.3	168 Btuh
25	Frame - Wood - Ext	0.09	13.0/0.0	185.5	2.3	420 Btuh
26	Frame - Wood - Ext	0.09	13.0/0.0	185.5	2.3	420 Btuh
	Wall Total			3124 (sqft)		6939 Btuh
Doors	Type			Area (sqft)	HTM	Load
1	Insulated - Garage			20.0	12.0	240 Btuh
2	Insulated - Exterior			24.0	12.0	288 Btuh
3	Insulated - Exterior			16.0	12.0	192 Btuh
4	Insulated - Exterior			24.0	12.0	288 Btuh
5	Insulated - Exterior			8.0	12.0	96 Btuh
6	Insulated - Exterior			24.0	12.0	288 Btuh
	Door Total			116 (sqft)		1392 Btuh
Ceilings	Type/Color/Surface	U-Value	R-Value	Area(sqft)	HTM	Load
1	Knee Wall/DarkMetal	0.025	38.0/0.0	160.0	1.37	219 Btuh
2	Vented Attic/DarkMetal	0.025	38.0/0.0	2474.0	1.37	3391 Btuh
	Ceiling Total			2634 (sqft)		3610 Btuh
Floors	Type		R-Value	Size	HTM	Load
1	Slab On Grade		0.0	2474 (ft-perimeter)	0.0	0 Btuh
	Floor Total			2474.0 (sqft)		0 Btuh
				Envelope Subtotal:		20069 Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

Aaron Simque

Project Title: 190622 Simque

Climate:FL_GAINESVILLE_REGIONAL_A

Lake City, FL

2019-06-09

Infiltration	Type Natural	Average ACH 0.30	Volume(cuft) 30925	Wall Ratio 1		CFM= 154.7	Load 3217	Btuh
Internal gain		Occupants 6	Btuh/occupant X 230		+	Appliance 3200	Load 4580	Btuh
					Sensible Envelope Load:		27866	Btuh
Duct load	Average sealed, Supply(R6.0-Attic), Return(R6.0-Attic)				(DGM of 0.245)		6838	Btuh
					Sensible Load All Zones		**34703**	**Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Aaron Simque

Project Title: 190622 Simque

Climate:FL_GAINESVILLE_REGIONAL_A

Lake City, FL

2019-06-09

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	**Sensible Envelope Load All Zones**	**27866 Btuh**
	Sensible Duct Load	6838 Btuh
	Total Sensible Zone Loads	**34703 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	**34703 Btuh**
	Latent infiltration gain (for 51 gr. humidity difference)	5338 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	1405 Btuh
	Latent occupant gain (6.0 people @ 200 Btuh per person)	1200 Btuh
	Latent other gain	0 Btuh
	Latent total gain	**7943 Btuh**
	TOTAL GAIN	**42646 Btuh**

EQUIPMENT

1. Central Unit	#	63000 Btuh

*Key: Window types (Panes - Number and type of panes of glass)
(SHGC - Shading coefficient of glass as SHGC numerical value)
(U - Window U-Factor)
(InSh - Interior shading device: none(No), Blinds(B), Draperies(D) or Roller Shades(R))
- For Blinds: Assume medium color, half closed
For Draperies: Assume medium weave, half closed
For Roller shades: Assume translucent, half closed
(IS - Insect screen: none(N), Full(F) or Half(½))
(Ornt - compass orientation)

Version 8