Columbia County Remodel Permi	it Application NEW CONSTRUCTIO
For Office Use Only Application # 1908/10 Date Received	8 29 19 By MG Permit # 38623
Zoning Official Date 9-6-19 Flood Zone X FEMA Map # N/A Elevation N/A MFL River N/A	
	and 85' F, 30' Sides 25' Reci 25'
	way Letter of Auth from Contractor
□ F W Comp. letter □ Owner Builder Disclosure Statement □ Land O	
Site Plan Env. Health Approval 8ub VF For	
	Fax 386-758-8920
Applicant (Who will sign/pickup the permit) SUZANNE STEWART	Phone 386-752-8653
Address 465 NW ORANGE STREET, LAKE CITY, FL 32055	
Owners Name REED and SUSAN KELLNER	Phone 561-478-4500
911 Address 1545 SW CENTERVILLE AVE., FT. WHITE, FL 32032	
Contractors Name BRYAN ZECHER	Phone 386-752-8653
Address 465 NW ORANGE STREET, LAKE CITY, FL 32055	
Contractor Email ZECHEROFFICE@GMAIL.COM	***Include to get updates on this job.
Fee Simple Owner Name & Address	
Bonding Co. Name & Address N/SA	
Architect/Engineer Name & Address_Mark Disosoway	
Mortgage Lenders Name & Address None	
Circle the correct power companyFL Power & LightClay Elec.	
Property ID Number 16-6S-03832-109 Estimate	
Subdivision Name_Ichetucknee Pines (Lot 1,2,3 Block Unit Phase
Driving Directions from a Major Road FOLLOW THESE DIRECTIONS- the address	ess above will take you to the wrong street—from Lake City US 90
head south on Main Blvd/41 South and merge to the right on S	SR 47, go 16 miles turn right on Elim Church
montague Lane, home is on left before Construction of 2 additions to existing home	enter sign), go about ½ mile turn left on SW F
Type of Structure (House; Mobile Home; Garage; Exxon) Existing mo	
Use/Occupancy of the building now_single family Addition to	M.H. Is this changing
If Yes, Explain, Proposed Use/Occupancy	3112
If Yes, Explain, Proposed Use/Occupancy Is the building Fire Sprinkled? If Yes, blueprints included	Or Explain

Entrance Changes (Ingress/Egress)______ If Yes, Explain_____

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

Columbia County Building Permit Application

CODE: Florida Bullding Code 2017 6th Edition and the 2014 National Electrical Code.

Application is hereby made to obtain a permit to do work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work be performed to meet the standards of all laws regulating construction in this jurisdiction.

TIME LIMITATIONS OF APPLICATION: An application for a permit for any proposed work shall be deemed to have been abandoned 180 days after the date of filing, unless pursued in good faith or a permit has been issued.

TIME LIMITATIONS OF PERMITS: Every permit issued shall become invalid unless the work authorized by such permit is commenced within 180 days after its issuance, or if the work authorized by such permit is suspended or abandoned for a period of 180 days after the time work is commenced. A valid permit receives an approved inspection every 180 days. Work shall be considered not suspended, abandoned or invalid when the permit has received an approved inspection within 180 days of the previous approved inspection.

FLORIDA'S CONSTRUCTION LIEN LAW: Protect Yourself and Your Investment: According to Florida Law, those who work on your property or provide materials, and are not paid-in-full, have a right to enforce their claim for payment against your property. This claim is known as a construction iten. 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.

<u>NOTICE TO OWNER:</u> 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.

REED KELLNER	**Property owners must sign here before any permit will be issued
Print Owners Name	Owners Signature
**If this is an Owner Builder Permit A	plication then, ONLY the owner can sign the building permit when it is issued.
	gnature I understand and agree that I have informed and provided this If the above written responsibilities in Columbia County for obtaining thation and permit time limitations.
Contractor's Signature	Contractor's License Number CBC 054575 Columbia County Competency Card Number
Affirmed under penalty of perjury to i	the Contractor and subscribed before me this 27th day of August 20 1
Personally known or Produced State of Florida Notary Signature (For	SEAL: * SIZANNE STEWART MY COMMISSION # FF 936523 EXPIRES: November 16, 2019

SUBCONTRACTOR VERIFICATION

APPLICATION/PERMIT # 1908-110 JOB!	IAME Kelner
------------------------------------	-------------

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 <u>REQUIRED</u> 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.columbiacountyfia.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. Heed ELECTRICAL Д. Hic 8 Link Pleatric n wic a EX License #: _ CC# 0076 D DE 1 **MECHANICAL** Print Name Y 0 O Liab 0 W/C 16(15 #X ß License #: 466-7514 Phone #: n PLUMBING/ Print Name D Uc Linb GAS Company Name: 0 D 00#2000 715 0 Ne ROOFING Signature 8 Ø 11sb WALC Œ License #: CCC Phone #: 786-7(04-4838 G EX cc#13-2-8687 Ø DE SHEET METAL **Print Name** Signature n His m 1 beh Company Name: W/C O CC# License # Phone #: n Œ FIRE SYSTEM/ **Print Name** Signature D Lic Ø SPRINKLER. Company Name: 13 Mic 8 51 CC# License#: Phone #: D DE Mand **SOLAR Print Name** Simular . The: B Ebb Company Name: o WC 0 EX CC# License #: Phone #: п ΩĒ n STATE **Print Name** Me Signature 0 Linb **SPECIALTY** Company Name: W/C 0

Phone #:

Ci DE

License #:

CC#

Legend

Columbia County, FLA - Building & Zoning Property Map

Printed: Tue Sep 03 2019 12:02:08 GMT-0400 (Eastern Daylight Time)

2018Aerials

SectionTownshipAndRange

Roads

Roads

others

Dirt

Interstate

Main

Other

Paved

Private

Parcels

2018 Flood Zones

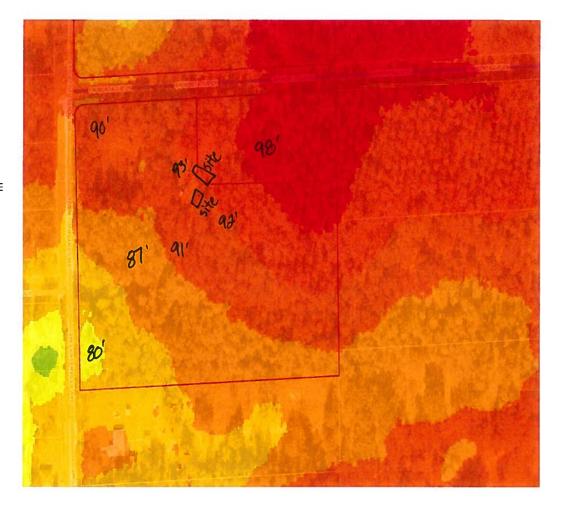
0.2 PCT ANNUAL CHANCE

D A

O AE

AH

LidarElevations



Parcel Information

Parcel No: 16-6S-16-03832-109

Owner: KELLNER REED W & SUSAN J

Subdivision:

Lot:

Acres: 17.3354816

Deed Acres: 17.37 Ac

District: District 2 Rocky Ford

Future Land Uses: Agriculture - 3

Flood Zones:

Official Zoning Atlas: A-3

All data, information, and maps are provided"as is" without warranty or any representation of accuracy, timeliness of completeness. Columbia County, FL makes no warranties, express or implied, as to the use of the information obtained here. There are no implies warranties of merchantability or fitness for a particular purpose. The requester acknowledges and accepts all limitations, including the fact that the data, information, and maps are dynamic and in a constant state of maintenance, and update.

Columbia County Property Appraiser

Jeff Hampton

2019 Preliminary Certified Values

updated: 8/14/2019

Parcel: << 16-6S-16-03832-109 >>>

Owner & Pr	operty Info	Result: 1 of 1			
Owner	W & SUSAN J LE CR . 33414				
Site	1545 CENTERVILLE AVE, FORT WHIT				
Description*	S/D, & ALSO COMN RUN E 25 FT TO E RUN SOUTH ALON POB, CONT S 258.0	CICHETUCKNEE PINES A AT SW COR OF SW1/4, R/W OF LAZY OAK RD, G R/W 1701.02 FT, FOR 06 FT, SE ALONG ARC T, E 795.34 FT N 283.70 D POB. (AKA			

Area 17.37 AC		S/T/R	16-6S-16		
Use Code**	MOBILE HOM (000200)	Tax District	3		

LOT ...more>>>

2018 Certified Values

Mkt Land (2)

Ag Land (0)

Building (1)

XFOB (1)

Appraised

Assessed

Exempt

Taxable

Total

SOH Cap [?]

Just

Class

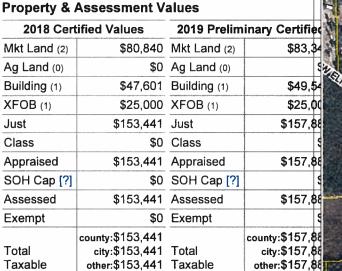
*The Description above is not to be used as the Legal Description for this parcel in any legal transaction.
**The <u>Use Code</u> is a FL Dept. of Revenue (DOR) code and is not

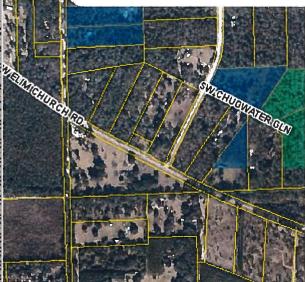
maintained by the Property Appraiser's office. Please contact your city or county Planning & Zoning office for specific zoning information.

Aerial Viewer Pictometery Google Maps



16-6S-16-03832-109 **KELLNER REED W & SUSAN J** 1545 SW CENTERVILLE AVE 16/6S/16 (MOBILE HOM) 17:37AC Txbl:\$157,885.00 Sale:7/31/1995 - \$12,900 - V/Q





▼ Sales History

_	Sale Date	Sale Price Book/Page Deed V/		V/I	Quality (Codes)	RCode	
	7/31/1995	\$12,900	809/0514	WD	V	Q	
	9/19/1987	\$13,000	634/0148	WD	٧	Q	

school:\$157,8

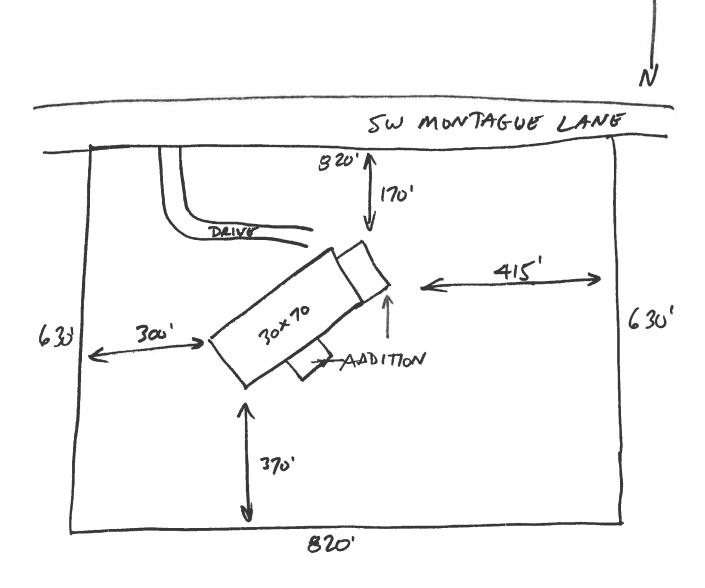
Building Characteristics

school:\$153,441

Bldg Sketch Bldg Item Bldg Desc*		Year Blt	Base SF	Actual SF	Bldg Value		
	Sketch	1	MOBILE HME (000800)	2002	2338	2338	\$49,545

^{*}Bldg Desc determinations are used by the Property Appraisers office solely for the purpose of determining a property's Just Value for ad valorem tax purposes and should not be used for any other purpose.

PROPOSED SITE PLAN KELLNER PARCEL 16-65-16-03832-109



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:

8/27/2019 8:36:15 PM

Address:

1545 SW CENTERVILLE Ave

City:

FORT WHITE

State:

FL

Zip Code

32038

Parcel ID

03832-109

REMARKS: Address Verification.

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

Address Issued By:

Signed:/ Matt Crews

Columbia County GIS/911 Addressing Coordinator

COLUMBIA COUNTY
911 ADDRESSING / GIS DEPARTMENT

PREPARED BY AND RETURN TO: ALACHUA COUNTY ABSTRACT COMPANY 215 SE 2ND AVENUE GAINESVILLE, FL 32601 BY: Mary Bennett -jmb 69,543-T1



WARRANTY DEED

THIS INDENTURE, Made this 3/ day of July, 1995, Between

Wayne O. Grasse and April A. Grasse, husband and wife, whose post office address is: 106 Suffolk Court, Longwood, Florida 32779

of the County of Seminole, State of Florida, grantor*, and

Reed W. Kellner and Susan J. Kellner, husband and wife, whose post office address is: 1202 Barnstable Circle, West Palm Beach, Florida 33414

of the County of Palm Beach, State of Florida, grantee*,

WITNESSETH, That said grantor, for and in consideration of the sum of ——Ten and 00/100——(\$10.00) Dollars, and other good and valuable considerations to said grantor in hand paid by said grantee, the receipt whereof is hereby acknowledged, has granted, bargained and sold to the said grantee, and grantee's heirs and assigns forever, the following described land, situate, lying and being in Columbia County, Florida, to wit:

Lot One (1), Block C of Ichetucknee Pines, a subdivision according to plat thereof reocrded in Plat Book 5, page 94-94A of the Public Records of Columbia County, Florida.

SUBJECT TO: taxes for 1995 and subsequent years, casements and restrictions of record and applicable zoning laws.

TAX PARCEL NUMBER: 16-6S-

GRANTEES' SSN respectively: 096-50-7122

Subject to a Reservation by Kate R. Henderson, et al. of an undivided interest in oil, gas and mineable minerals, including phosphates as contained in the Warranty Deed dated March 30, 1967 and recorded in Official Records Book 220, page 318 and re-recorded in Official Records Book 619, page 785, all of the Public Records of Columbia County, Florida.

-x 9809 PG9514

OFFICIAL PECORDS

95-10142



BK 0809 PG 0515

OFFICIAL RECORDS

and said granter does hereby fully warrant the title to said land, and will defend the same against the lawful claims of all person whomsoever.

*"Grantor" and "grantee" are used for singular or plural as content requires.

IN WITNESS WHEREOF, Grantor has hereunto set grantor's hand and seek the day and year first show written. Signed, scaled, and delivered in our presence:

State of Florida County of <u>Senival</u>

The foregoing instrument was sworn to, subscribed and acknowledged before me this date of ____ by Wayne O. Grasse and April A. Grasse, husband and wife who produced as identification.

(affix notary scal)

EVELYN MATHIS My Comm Exp. 10/22,176 PUBLIC Bonded By Service Ins in trem Miller (&

Typed name: My commission number is: Cd 23 My commission expires: 10-22-96

NOTICE OF COMMENCEMENT Clark's Office Stamp Inst: 201912021903 Date: 09/18/2019 Time: 12:12PM Page 1 of 1 B: 1394 P: 2384, P.DeWitt Cason, Clerk of Court Tax Parcel identification Number: Columbia, County, By: BD Deputy Clerk 16-6S-03832-109 THE UNDERSIGNED hereby gives notice that improvements will be made to certain real property, and in accordance with Section 713.13 of the Florida Statutes, the following information is provided in this NOTICE OF COMMENCEMENT. 1. Description of property (legal description): LOTS 1, 2, & 3 BLK C ICHETUCKNEE PINE S/D a) Street (Job) Address: 1545 CENTERVILLE AVE, FT WHITE, FL 32038 2. General description of improvements: 2 ADDITIONS / REMODEL OF EXISTING HOME 3 Owner Information or Lessee Information if the Lessee contracted for the improvements: 1 a) Name and address: Reed Kellner 1202 Barnstaple b) Name and address of fee simple titleholder (if other than owner) c) interest in property_ 4. Contractor Information a) Name and address: BRYAN ZECHER, 465NW ORANGE STREET, LAKE CITY, FL 32055 b) Telephone No.: 386-752-8653 5. Surety information (if applicable, a copy of the payment bond is attached): a) Name and address: b) Amount of Bond: c) Telephone No.: 6. Lender a) Name and address: b) Phone No. 7. Person within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by Section 713.13(1)(a)7., Florida Statutes: a) Name and address: b) Telephone No.: 8. in addition to himself or herself, Owner designates the following person to receive a copy of the Lienor's Notice as provided in Section 713.13(I)(b), Florida Statutes: a) Name: b) Telephone No.: 9. Expiration date of Notice of Commencement (the expiration date will be 1 year from the date of recording unless a different date is specified): WARNING TO OWNER: ANY PAYMENTS MADE BY THE OWNER AFTER THE EXPIRATION OF THE NOTICE OF COMMENCEMENT ARE CONSIDERED IMPROPER PAYMENTS UNDER CHAPTER 713, PART I, SECTION 713.13, FLORIDA STATUTES, AND CAN RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY; A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OR RECORDING YOUR NOTICE OF COMMENCEMENT. STATE OF FLORIDA COUNTY OF COLUMBIA Signature of Owner or Lessee, or Owner's or Lessee's Authorized Office/Director/Partner/Manager REED KELLNER / OWNER Printed Name and Signatory's Title/Office The foregoing instrument was acknowledged before me, a Florida Notary, this (name of party on behalf of whom instrument was executed) (Type of Authority)

Notary Stamp or Seal:



OR Produced Identification

(Name of Person)

Personally Known

Notary Signature

As required by Florida Statute 553.842 and Florida Administrative Code 98-72, 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	THERMO - TRU	EXTERIOR HINGED DOORS	FL 5891 - R3
B. SLIDING	PGT	SLIDING GLASS DOORS	FL 251 - R15
C. SECTIONAL/ROLL UP		GARAGE DOORS	FL 5678 - R2
D. OTHER			
2. WINDOWS			
A. SINGLE/DOUBLE HUNG	PGT	WINDOW	FL 239 - R19
B. HORIZONTAL SLIDER	PGT	WINDOW	FL 242 - R16
C. CASEMENT			
D. FIXED	PGT	WINDOW	FL 243 - R14
E. MULLION			
F. SKYLIGHTS		MEIA COLL	4
G. OTHER		COATH THE	
			18
3. PANEL WALL		186 100/69	
A. SIDING	HARDIE	PANEL WALL SIDING 3300	是 13192 - R5
B. SOFFITS	KAYCON	ALUMINUM SOFFIT / FACIA\ 3 0 \ O \	EL/12198 - R1
C. STOREFRONTS	STO	STUCCO FINISH	FL 15026 - R1
D. GLASS BLOCK		NEW TOP I	8
E. OTHER		LIVE	
4. ROOFING PRODUCTS			
A. ASPHALT SHINGLES	GAF	ARCH SHINGLES 30YR	FL 10124 - R20
B. NON-STRUCTURAL METAL	GAF	TAR PAPER	FI 4911 - R3
C. ROOFING TILES	OMG	ROOFING NAILS	FL 699 - R3
D. SINGLE PLY ROOF			
E. OTHER			
5. STRUCTURAL COMPONENTS			
A. WOOD CONNECTORS	USPC	ANCHORS	FL 5631 - R1
B. WOOD ANCHORS	USPC	ANCHORS	FL 5631 - R1
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 (1) copy of the applicable manufacturers installation requirements.

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

	5/3/18	
Contractor OR Agent Signature	Date	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)
Rec	quired 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) Testing is not required for additions in which the new construction is less than 85% of the thermal envelope. (R402.4.1.2, Florida Energy Code)
	If Form R405 duct leakage type indicates anything other than "default leakage", then a completed Form R405 Duct Leakage Test Report (usually one page)

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name: 190951 Kellner Res Street: 1545 Centerville Ave City, State, Zip: Fort White , FL , Owner: Design Location: FL, Gainesville	Builder Name: Permit Office: Permit Number: Jurisdiction: County: Columbia (Florida Climate Zone 2)
1. New construction or existing 2. Single family or multiple family 3. Number of units, if multiple family 4. Number of Bedrooms(Bedrms In Addition) 5. Is this a worst case? 6. Conditioned floor area above grade (ft²) 747 Conditioned floor area below grade (ft²) 7. Windows(38.0 sqft.) 7. Windows(38.0 sqft.) 8. U-Factor: 9. Dbl, U=0.30 9. SHGC: 9. SHGC=0.20 9. U-Factor: N/A 9. SHGC: 9. O.500 ft. 9. Area Weighted Average Overhang Depth: 9. O.500 ft. 9. Area Weighted Average SHGC: 9. O.200 8. Floor Types (747.0 sqft.) 9. Insulation 9. Area 9. Slab-On-Grade Edge Insulation 9. R= 9. Stab-On-Grade Edge Insulation 9. R= 9. Stab-On-Grade Edge Insulation 9. N/A 9. R= 9. Stab-On-On-Grade Edge Insulation 9. R= 9. Stab-On-On-On-On-On-On-On-On-On-On-On-On-On-	9. Wall Types (872.0 sqft.) a. Frame - Wood, Exterior B. N/A C. N/C C. N
Glass/Floor Area: 0.051 Total Proposed Modified Total Baseline	
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: 2019-08-21 I hereby certify that this building as designed, is in compliance with the Florida Energy Code OWNER/AGENT: Building as designed and the Florida Energy Code OWNER/AGENT: Building as designed and the Florida Energy Code	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: 190951 Kellner Res Bedrooms: 0 Address Type: Street Address Building Type: User Conditioned Area: 747 Lot# Owner Name: **Total Stories:** Block/Subdivision: # of Units: 1 Worst Case: No PlatBook: **Builder Name:** Rotate Angle: 0 Street: 1545 Centerville Ave Permit Office: County: Cross Ventilation: Columbia Jurisdiction: Whole House Fan: City, State, Zip: Fort White, Family Type: Single-family FL, New/Existing: Addition Comment: **CLIMATE** Design Temp Int Design Temp Heating Design Daily Temp **Design Location** TMY Site 97.5 % 2.5 % Winter Summer Degree Days Moisture Range FL, Gainesville FL_GAINESVILLE_REGI 32 92 70 75 1305.5 51 Medium **BLOCKS** Number Name Area Volume 1 Block1 747 5976 **SPACES** Number Name Area Volume Kitchen Occupants **Bedrooms** Infil ID Finished Cooled Heated 1 REAR 250 2000 No 1 Yes Yes Yes 2 **LEFT** 497 3976 No 0 0 1 Yes Yes Yes **FLOORS** Floor Type Perimeter Perimeter R-Value Space Area Joist R-Value Tile Wood Carpet 1 Slab-On-Grade Edge Insulatio REAR 65.7 ft 0 250 ft² 1 0 0 2 Slab-On-Grade Edge Insulatio LEFT 91 ft 0 497 ft² 0.73 0 0.27 **ROOF** Roof Gable Roof Rad Solar SA **Emitt** Emitt Deck Pitch Type Materials Area Area Color Barr Absor. Tested Tested Insul. (deg)

	1	Flat	Composition shingles	757 ft²	62 ft²	Dark	N	0.92	No	0.9	No	0	9.5
					ATTIC								
\checkmark	#	Туре	Ventilation	\	/ent Ratio (1 in)	Area	RBS	IRC	С			
	1	Full attic	Vented		300	7	747 ft²	N	N				

אואוכ	1 R405-	2017			INPUI	SUMMA	*	LING	וטו ק	EPUR					
V	#		Ceiling	Tyne		Space		alue	lns.	Туре	Area	Framing	Frac	Truss Typ	e
V	1		Ceiling Type Under Attic (Vented)		REAR	38		Blov		250 ft²	0.11		Wood		
	_ '	Under Attic (Vented)			LEFT	38		Blown		497 ft²	0.11		Wood		
			Olidel /	Attic (ve					Dio		407 10	0.11			
								LLS			·				
	# Omt		Adjace To	ent Wall	Туре	Space	Cavity R-Value	Wid Et	ith In	Height Ft In	Area	Sheathing R-Value	Framing Fraction	Solar Absor	Belov Grade
	1 W		xterior		me - Wood	REAR	13	12	0	8	96.0 ft²		0.23	0.75	C
	2 N	E	xterior	Fra	me - Wood	REAR	13	20	10	8	166.7 ft²		0.23	0.75	C
	3 E	Е	xterior	Fra	me - Wood	REAR	13	12		8	96.0 ft²		0.23	0.75	C
	4 N	Е	xterior	Fra	me - Wood	LEFT	13	19		8	152.0 ft²		0.23	0.75	C
	5 W	E	xterior	Fra	me - Wood	LEFT	13	26	2	8	209.3 ft²		0.23	0.75	C
	6 S	Е	xterior	Fra	me - Wood	LEFT	13	19		8	152.0 ft²		0.23	0.75	C
							DO	ORS							
	#		Ornt	l	Door Type	Space			Storms	U-V	alue F	Width t In	Heigh Ft	nt In	Area
	_ 1		N		Insulated	REAR			None	.4	1 1	6	6	8	10 ft²
						Orientation sho		OOWS		d orientati	on.				
/			Wali				·		<u></u>			rhang			
V	#	Omt	ID	Frame	Panes	NFRC	U-Factor	SHGC	lmp	Area		Separation	Int Sh	ade	Screenir
	_ 1	N	2	Metal	Low-E Double	Yes	0.3	0.2	N	2.0 ft ²	0 ft 6 in	3 ft 0 in	Non	е	None
	_ 2	N	2	Metal	Low-E Double	Yes	0.3	0.2	Ν	10.0 ft	² 0 ft 6 in	3 ft 0 in	Non	е	None
	_ 3	N	4	Metal	Low-E Double	Yes	0.3	0.2	N	4.0 ft ²	0 ft 6 in	1 ft 0 in	Non	е	None
	_ 4	W	5	Metal	Low-E Double	Yes	0.3	0.2	N	4.0 ft ²	0 ft 6 in	2 ft 0 in	Non	е	None
	_ 5	W	5	Metal	Low-E Double	Yes	0.3	0.2	N	6.0 ft ²	0 ft 6 in	4 ft 0 in	Non	е	None
	_ 6	S	6	Metal	Low-E Double	Yes	0.3	0.2	N	9.0 ft²	0 ft 6 in	1 ft 0 in	Non	е	None
	_ 7	S	6	Metal	Low-E Double	Yes	0.3	0.2	N	3.0 ft ²	0 ft 6 in	1 ft 0 in	Non	е	None
							INFILT	RATIO	ON						
	Scope		N	fethod		SLA (CFM 50	ELA		ΞqLΑ	ACH	ACH	1 50		
_	Vholehous	е е		osed AC	:H(50) .0		697.2	38.28		71.98	.1339	7			
							HEATING	SYS	TEM						
\bigvee	#	Sy	stem T	уре		Subtype			Efficien	су	Capacity			Block	Ducts
	1	Fle	etric H	eat Pun	np/Suppleme I	None			HSPF:8	Ω	17 kBtu/hr			1	sys#1

FORM R405-2017

INPUT SUMMARY CHECKLIST REPORT

FORM R	105-20	17	INPL	<u>JT SUMI</u>	MARY C	HECKL	IST RE	PORT						
					COO	LING SYS	TEM							
\vee	#	System Type		Subtype			Efficiency	Capacity	Air F	low S	SHR	Block	Di	ucts
	1	Central Unit/Sเ	ipplemental for	None			SEER: 15	17 kBtu/hr	510	cfm ().75	1	sy	/s#1
•			-	··	HOT W	ATER SY	STEM							
\checkmark	#	System Type	SubType	Location	n EF	Ca	ıp	Use	SetPnt		Со	nservatio	n	
	1	Electric	None	LEFT	0.95	50 (gal	60 gal	120 deg			None		
	*			sc	DLAR HO	T WATER	SYSTE	EM						
\checkmark	FSEC Cert #	Company I	Name		System	Model#	Ce	ollector Mode		illector Area	Stor Volu		FEF	
	None	None								ft²				
DUCTS														
√	#	Sup Location F	oply R-Value Area	F Locatio	teturn n Area	Leaka	је Туре	Air Handler	CFM 25 TOT	CFM25 OUT	QN	RLF	HV. Heat	AC# Coo
	1	Attic	6 149.4 f	t Attic	37.35 fl	t Default	Leakage	LEFT	(Default)	(Default)			1	1
					TEM	PERATU	RES							
Program	able The	ermostat: Y			Ceiling Fan	s:								
Cooling Heating Venting	X) 7: [an []Feb an [X]Feb an []Feb	[] Mar [X] Mar [X] Mar	Apr Apr X Apr	[] May [] May [] May	[X] Jun [] Jun [] Jun	[X] Jul [] Jul [] Jul	[X] Aug Aug Aug	[X] Sep [] Sep [] Sep	M S	Oct Oct Oct	X Nov X Nov X Nov	$[\times]$	Dec Dec Dec
Thermosta Schedule		ule: HERS 20	06 Reference 1	2 3	4	5	Ho 6	ours 7	8	9	10	11	4	12
Cooling (V	VD)	AM PM	78 80	78 78 80 78	78 78	78 78	78 78	78 78	78 78	80 78	80 78	80 78	8	30 78
Cooling (V	/EH)	AM PM	78 78	78 78 78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	7	78 78
Heating (V	VD)	AM PM	66 68	66 66 68 68	66 68	66 68	68 68	68 68	68 68	68 68	68 68	68 66	6	88 86
Heating (V	VEH)	AM PM	66 68	66 66 68 68	66 68	66 68	68 68	68 68	68 68	68 68	68 68	68 66	ę	88 86
						MASS								
Mass Type			Area		Thickness		Furniture Fra	ction	<u>-</u>	ace				
	fault(8 ll	•		0 ft²		0 ft		0.3			REAR			
Default(8 lbs/sq.ft.			0 ft²		O ft		0.3		Į.	.EFT				

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX* = 95

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

1. New home or, addition	1. Addition	12. Ducts, location & insulation level
2. Single-family or multiple-family	2. Single-family	a) Supply ducts R 6.0 b) Return ducts R 6.0 c) AHU location LEFT
3. No. of units (if multiple-family)	31	5)7410 10004071
4. Number of bedrooms	40	13. Cooling system: Capacity 17.0 a) Split system SEER
5. Is this a worst case? (yes/no)	5. <u>No</u>	b) Single package SEER c) Ground/water source SEER/COP
6. Conditioned floor area (sq. ft.)	6. <u>747</u>	d) Room unit/PTAC EER
7. Windows, type and area a) U-factor:(weighted average) b) Solar Heat Gain Coefficient (SHGC) c) Area	7a. 0.300 7b. 0.200 7c. 38.0	14. Heating system: Capacity 17.0 a) Split system heat pump HSPF b) Single package heat pump HSPF
8. Skylights a) U-factor:(weighted average) b) Solar Heat Gain Coefficient (SHGC)	8a. <u>NA</u> 8b. <u>NA</u>	c) Electric resistance COP d) Gas furnace, natural gas AFUE e) Gas furnace, LPG AFUE f) Other 8.80
 9. Floor type, insulation level: a) Slab-on-grade (R-value) b) Wood, raised (R-value) c) Concrete, raised (R-value) 10. Wall type and insulation: A. Exterior: 1. Wood frame (Insulation R-value) 	9a. <u>0.0</u> 9b. 9c. 10A1. 13.0	15. Water heating system a) Electric resistance
 Masonry (Insulation R-value) Adjacent: Wood frame (Insulation R-value) Masonry (Insulation R-value) 	10A2 10B1 10B2	f) Heat recovery unit HeatRec% g) Other
11. Ceiling type and insulation levela) Under atticb) Single assemblyc) Knee walls/skylight wallsd) Radiant barrier installed	11a38.0_ 11b 11c 11dNo_	16. HVAC credits claimed (Performance Method) a) Ceiling fans b) Cross ventilation c) Whole house fan d) Multizone cooling credit e) Multizone heating credit f) Programmable thermostat Method No No Yes
*Label required by Section R303.1.3 of the Flo	orida Building Code, Ene	rgy Conservation, if not DEFAULT.
I certify that this home has complied with the fisaving features which will be installed (or exceedisplay card will be completed based on install	eeded) in this home before	
Builder Signature:		Date: 8 26/19
Address of New Home: 1545 Centerville Ave		City/FL Zip: Fort White, FL

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

	Mandatory Requirements for Residential Performance, Prescriptive and ERI Methods								
Α		45 Centerville Ave rt White , Ft. ,		Permit Number:					
MA	NDATORY RE	QUIREMENTS	See individual code	sections for full det	tails.				
\checkmark			SECTION R40	1 GENERAL					
	card be completed 553.9085, Florida S residential building dwelling unit. The b	and certified by the builde Statutes) requires the EPL s. The EPL display card c building official shall verify	er to be accurate and correct display card to be included ontains information indication that the EPL display card of the contains information indication that the EPL display card of the contains and the contai	ct before final approval of d as an addendum to each ng the energy performand completed and signed by	require that an energy performance level (EPI in the building for occupancy. Florida law (Section should be sales contract for both presold and nonpresole level and efficiencies of components install the builder accurately reflects the plans and play card can be found in Appendix RD.	ion sold			
	R402.4 Air leakage Sections R402	e (Mandatory). The .4.1 through R402.4.5.	building thermal envelope :	shall be constructed to lim	nit air leakage in accordance with the requirer	nents of			
		eption: Dwelling units of oly with Section C402.5.	R-2 Occupancies and mult	iple attached single family	y dwellings shall be permitted to				
			building thermal envelope ar materials shall allow for		ns R402.4.1.1 and R402.4.1.2. d contraction.				
	the manufact	urer's instructions and the		2.4.1.1, as applicable to t	e R402.4.1.1 shall be installed in accordance the method of construction. Where required b				
	accordance v individuals as an approved	hour in Climate Zones 1 a with ANSI/RESNET/ICC 3 a defined in Section 553.9 third party. A written repo	and 2, and three air change 80 and reported at a press 93(5) or (7), Florida Statute	s per hour in Climate Zon ure of 0.2 inch w.g. (50 pa es, or individuals licensed shall be signed by the part	an air leakage rate not exceeding seven air nes 3 through 8. Testing shall be conducted in ascals). Testing shall be conducted by either as set forth in Section 489.105(3)(f), (g) or (i) ty conducting the test and provided to the coding thermal envelope.	or			
	Exception: buildings in w		d for additions, alterations, n is less than 85 percent of		f the building thermal envelope of existing elope.				
	other infiltrati 2. Dampers in infiltration con 3. Interior don 4. Exterior don 5. Heating an	ndows and doors, fireplace on control measures. ncluding exhaust, intake, ntrol measures. ors, if installed at the time tors for continuous ventila ad cooling systems, if insta		flue dampers shall be clos overy ventilators shall be c shall be turned off.	eyond the intended weatherstripping or sed, but not sealed beyond intended closed and sealed.				
	tight-fitting doors or	n factory-built fireplaces lis	sted and labeled in accorda	ince with UL 127, the doo	s, and outdoor combustion air. Where using ors shall be tested and listed for the eled in accordance with UL 907.				
	R402.4.3 Fenestra	tion air leakage∖Vindows,	skylights and sliding glass	doors shall have an air ir	nfiltration rate of no more than 0.3 cfm per				

Exception: Site-built windows, skylights and doors.

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.

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:** Direct vent appliances with both intake and exhaust pipes installed continuous to the outside. 1. Fireplaces and stoves complying with Section R402.4.2 and Section R1006 of the Florida Building Code, Residential. 2. 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. At least one thermostat shall be provided for each separate heating and cooling system. R403.1.1 Thermostat provision (Mandatory). 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. All ducts, air handlers, filter boxes and building cavities that form the primary air containment passageways R403.3.2 Sealing (Mandatory) 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: 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. 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 **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

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

when there is no demand for hot water.

times when heated water is used in the occupancy.