

## Columbia County New Building Permit Application

19 LLC

For Office Use Only Application # 1906-81 Date Received 6/20 By MG Permit # 38356/2845  
 Zoning Official LA Date 7-1-19 Flood Zone X Land Use ALD Zoning RSF-2  
 FEMA Map # N/A Elevation N/A MFE 113' River N/A Plans Examiner TC Date 7-1-19  
 Comment See attached letter for permit requirements and needed letter  
☒ NOC ☒ DEH ☒ Deed or PA ☒ Site Plan ☐ State Road Info ☒ Well letter ☒ 911 Sheet ☐ Parent Parcel # \_\_\_\_\_  
☐ Dev Permit # \_\_\_\_\_ ☐ In Floodway ☒ Letter of Auth. from Contractor ☐ F W Comp. letter  
☐ Owner Builder Disclosure Statement ☐ Land Owner Affidavit ☐ Ellisville Water ☒ App Fee Paid ☒ Sub VF Form

Septic Permit No. 19-0495 OR City Water ☐ Fax \_\_\_\_\_

Applicant (Who will sign/pickup the permit) Mark Bauer or Kim Sweet Phone 352-283-2002

Address 20267 NW 248<sup>th</sup> Way High Springs, FL 32643

Owners Name MF Butler Homes, LLC \* Phone 770-639-3904

911 Address 364 SW Fieldstone Ct. Lake City, FL 32024

Contractors Name Mark Bauer Phone 352-283-2002

Address 20267 NW 248<sup>th</sup> Way High Springs, FL 32643

Contractor Email gibraltarcontracting@gmail.com \*\*\*Include to get updates on this job.

Fee Simple Owner Name & Address \_\_\_\_\_

Bonding Co. Name & Address \_\_\_\_\_

Architect/Engineer Name & Address Mark Disoway P.E. Lake City, FL

Mortgage Lenders Name & Address 163 SW Midtown PL Ste 103 32025

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

Property ID Number 33-35-16-02438-157 \* Estimated Construction Cost 220,000

Subdivision Name Emerald Core Lot 57 Block \_\_\_\_\_ Unit \_\_\_\_\_ Phase 2

Driving Directions from a Major Road US 90 West to SW Heathridge Dr on L.

Heathridge Dr to SW Fieldstone Ct. on R. Site is on R at cul-de-sac. 7112

Construction of new SFD Commercial OR ☒ Residential

Proposed Use/Occupancy SFD RESIDENTIAL Number of Existing Dwellings on Property 0

Is the Building Fire Sprinkled? No If Yes, blueprints included \_\_\_\_\_ Or Explain \_\_\_\_\_

\* Circle Proposed ☒ Culvert Permit Per Mark's or ☐ Culvert Waiver or ☐ D.O.T. Permit or ☐ Have an Existing Drive

Actual Distance of Structure from Property Lines - Front 41.7' Side 12' Side 30' Rear 71.6'

Number of Stories 1 Heated Floor Area 1880 sf Total Floor Area 2557 sf Acreage 0.5

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

to send MARK email 7.3.19 + 7.5.19 + 7.8.19 + 7.10.19

**Columbia County Building Permit Application**

**CODE: Florida Building Code 2017 and the 2014 National Electrical Code.**

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

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

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

**FLORIDA'S CONSTRUCTION LIEN LAW: Protect Yourself and Your Investment:** According to Florida Law, those who work on your property or provide materials, and are not paid-in-full, have a right to enforce their claim for payment against your property. This claim is known as a construction lien. If your contractor fails to pay subcontractors or material suppliers or neglects to make other legally required payments, the people who are owed money may look to your property for payment, even if you have paid your contractor in full. This means if a lien is filed against your property, it could be sold against your will to pay for labor, materials or other services which your contractor may have failed to pay.

**NOTICE OF RESPONSIBILITY TO CONTRACTOR AND AGENT:** **YOU ARE HEREBY NOTIFIED** as the recipient of a building permit from Columbia County, Florida, you will be held responsible to the County for any damage to sidewalks and/or road curbs and gutters, concrete features and structures, together with damage to drainage facilities, removal of sod, major changes to lot grades that result in ponding of water, or other damage to roadway and other public infrastructure facilities caused by you or your contractor, subcontractors, agents or representatives in the construction and/or improvement of the building and lot for which this permit is issued. No certificate of occupancy will be issued until all corrective work to these public infrastructures and facilities has been corrected.

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

**OWNERS CERTIFICATION:** I CERTIFY THAT ALL THE FOREGOING INFORMATION IS ACCURATE AND THAT ALL WORK WILL BE DONE IN COMPLIANCE WITH ALL APPLICABLE LAWS REGULATING CONSTRUCTION AND ZONING.

**NOTICE TO OWNER:** There are some properties that may have deed restrictions recorded upon them. These restrictions may limit or prohibit the work applied for in your building permit. You must verify if your property is encumbered by any restrictions or face possible litigation and or fines.

M F Butter  
Print Owners Name

[Signature]  
Owners Signature

**\*\*Property owners must sign here before any permit will be issued.**

**\*\*If this is an Owner Builder Permit Application then, ONLY the owner can sign the building permit when it is issued.**

**CONTRACTORS AFFIDAVIT:** By my signature I understand and agree that I have informed and provided this written statement to the owner of all the above written responsibilities in Columbia County for obtaining this Building Permit including all application and permit time limitations.

[Signature]  
Contractor's Signature

Contractor's License Number CBC1259633  
Columbia County  
Competency Card Number 1501 ✓

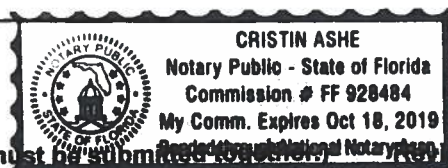
Affirmed under penalty of perjury to by the Contractor and subscribed before me this 20 day of June 2019.

Personally known ☒ or Produced Identification

Cristin Ashe

State of Florida Notary Signature (For the Contractor)

SEAL:



# NOTICE OF COMMENCEMENT

Tax Parcel Identification Number:

33-3S-16-02438-157

Clerk's Office Stamp

Inst: 201912016159 Date: 07/15/2019 Time: 1:50PM  
Page 1 of 1 B: 1388 P: 2258, P. DeWitt Cason, Clerk of Court  
Columbia, County, By: BD  
Deputy Clerk

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): Lot 51 Emerald Cove 33-3S-16-02438-157  
a) Street (job) Address: 364 SW Fieldstone Ct. Lake City, FL 32024
2. General description of improvements: New Construction SFD
3. Owner Information or Lessee information if the Lessee contracted for the improvements:  
a) Name and address: MF Butler Homes, LLC 2465 Gunn Creek Rd. Oxford, Ga 30054  
b) Name and address of fee simple titleholder (if other than owner):  
c) Interest in property: owner
4. Contractor Information  
a) Name and address: Mark Bauer/Gibraltar Contracting, LLC 20267 NW 248<sup>th</sup> Way High Springs, FL 32643  
b) Telephone No.: 352-283-2002
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(1)(b), Florida Statutes:  
a) Name: OF  
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 Georgia  
COUNTY OF COLUMBIA Morgan

10.

Milton Forest Butler  
Signature of Owner or Lessee, or Owner's or Lessee's Authorized Office/Director/Partner/Manager

Milton Forest Butler  
Printed Name and Signatory's Title/Office

The foregoing instrument was acknowledged before me, a Georgia Notary, this 11 day of July, 2019 by:

Kanesha Smith as Notary Public for Milton Forest Butler  
(Name of Person) (Type of Authority) (name of party on behalf of whom instrument was executed)

Personally Known OR Produced Identification ☒ Type Driver's License

Notary Signature

Kanesha Smith



SSOCOF #: \_\_\_\_\_ done by Ford's Septic on : \_\_\_\_\_ - \_\_\_\_\_ - 2019



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

PERMIT NO. 19-0495  
DATE PAID: 6/27/19  
FEE PAID: 318.00  
RECEIPT #: 1401194

## APPLICATION FOR:

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

APPLICANT: **MF BUTLER HOMES LLC**AGENT: **Ronald Ford - Ford's Septic**TELEPHONE: **386-755-6288**MAILING ADDRESS: **116 NW Lawtey Way Lake City, Florida 32055**

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

## PROPERTY INFORMATION

LOT: **57** BLOCK: \_\_\_\_\_ SUBDIVISION: **EMERALD COVE PHASE: 2** PLATTED: \_\_\_\_\_

PROPERTY ID #: **33-3S-16-02438-157** ZONING: \_\_\_\_\_ I/M OR EQUIVALENT: ☐ Y / ☒ N

PROPERTY SIZE: **0.50** ACRES WATER SUPPLY: ☒ PRIVATE PUBLIC ☐ ≤2000GPD ☐ >2000GPD

IS SEWER AVAILABLE AS PER 381.0065, FS? ☐ Y / ☒ N DISTANCE TO SEWER: N/A FT

PROPERTY ADDRESS: **364 SW FIELDSTONE COURT LAKE CITY, FLORIDA 32024**

DIRECTIONS TO PROPERTY: Hwy. 90 West. Turn (L) on SW Heathridge Drive. Turn (R) on SW Fieldstone court. site on right at cul-de-sac.

## BUILDING INFORMATION

☒ RESIDENTIAL ☐ COMMERCIAL

Unit No	Type of Establishment	No. of Bedrooms	Building Area Sqft	Commercial/Institutional System Design Table 1, Chapter 64E-6, FAC
1	S.F.R	4	1880 HEATED /COOLED SQUARE FEET	
2			2557 TOTAL SQUARE FEET	
3				
4				

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

SIGNATURE: Rc Ford RONALD C FORD DATE: 6-26-2019

SSOCOF #: \_\_\_\_\_ done by Ford's Septic on : \_\_\_\_\_ - \_\_\_\_\_ - 2019



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

PERMIT NO. 19-0495  
DATE PAID: 6/27/19  
FEE PAID: 310.00  
RECEIPT #: 1401194

## APPLICATION FOR:

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

APPLICANT: MF BUTLER HOMES LLCAGENT: Ronald Ford - Ford's SepticTELEPHONE: 386-755-6288MAILING ADDRESS: 116 NW Lawley Way Lake City, Florida 32055

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

## PROPERTY INFORMATION

LOT: 57 BLOCK: \_\_\_\_\_ SUBDIVISION: EMERALD COVE PHASE: 2 PLATTED: \_\_\_\_\_PROPERTY ID #: 33-3S-16-02438-157 ZONING: \_\_\_\_\_ I/M OR EQUIVALENT: ☐ Y / ☒ NPROPERTY SIZE: 0.50 ACRES WATER SUPPLY: ☒ PRIVATE PUBLIC ☐  $\leq 2000\text{GPD}$  ☐  $> 2000\text{GPD}$ IS SEWER AVAILABLE AS PER 381.0065, FS? ☐ Y / ☒ N DISTANCE TO SEWER: N/A FTPROPERTY ADDRESS: 364 SW FIELDSTONE COURT LAKE CITY, FLORIDA 32024

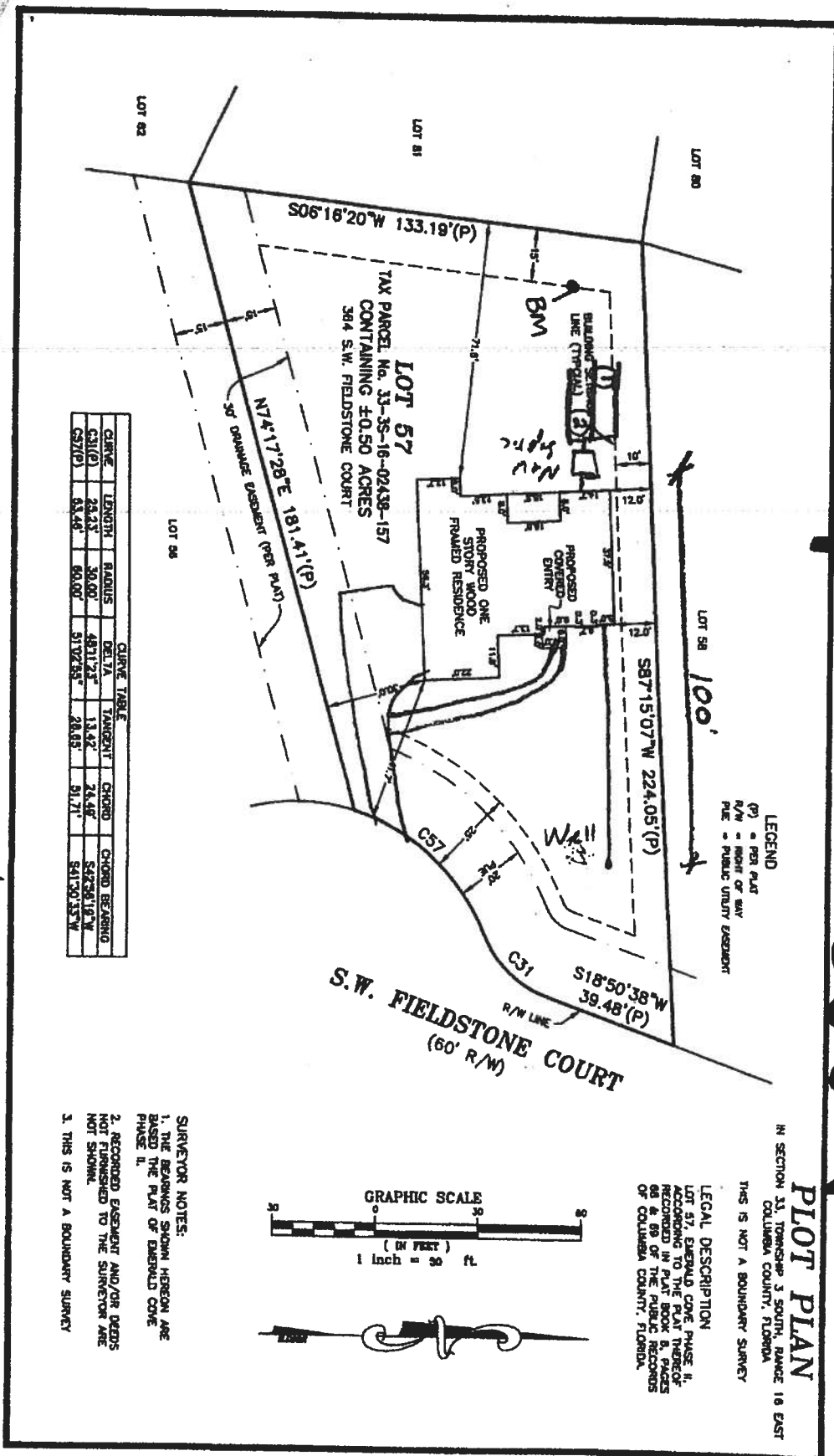
DIRECTIONS TO PROPERTY: Hwy. 90 West. Turn (L) on SW  
Heathridge Drive. Turn (R) on SW Fieldstone Court.  
Site on right at cul-de-sac.

## BUILDING INFORMATION

☒ RESIDENTIAL

# Sent by Mark Bauer

Rec'd  
7.3.19



STATE OF FLORIDA  
DEPARTMENT OF HEALTH  
APPLICATION FOR CONSTRUCTION PERMIT



North

\*scale: one inch = \_\_\_\_\_ feet

Permit Application Number 19-0492

PART II - SITEPLAN

See  
attached

## Notes:

\* PARCEL ID #: 33-3S-16-02438-157\* ADDRESS: 364 SW Fieldstone Court  
Lake City, Florida 32024Site Plan submitted by: Ronald Ford - Ronald Ford Ford's Septic Tank Service, LLC.Plan Approved X Not Approved \_\_\_\_\_ Date 7/8/19By [Signature] EST Calabria County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

Lot 57 Em. Core

District No. 1 - Ronald Williams  
District No. 2 - Rocky Ford  
District No. 3 - Buckey 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:	6/18/2019 9:06:28 AM
Address:	364 SW FIELDSTONE Ct
City:	LAKE CITY
State:	FL
Zip Code	32024
Parcel ID	02438-157

REMARKS: Address Verification.

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

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

Columbia County GIS/911 Addressing Coordinator

**COLUMBIA COUNTY  
911 ADDRESSING / GIS DEPARTMENT**

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

**Columbia County Property Appraiser**

Jeff Hampton

**2018 Tax Roll Year**

updated: 5/9/2019

Parcel: &lt;&lt; 33-3S-16-02438-157 &gt;&gt;

Aerial Viewer Pictometry Google Maps

**Owner & Property Info**

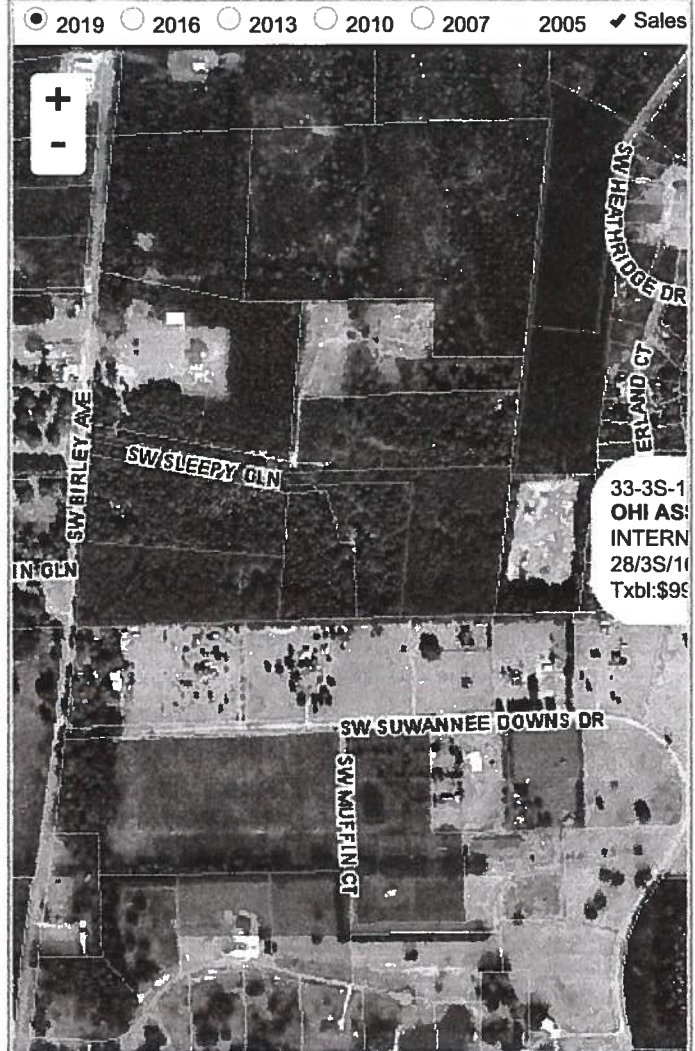
Owner	<b>MF BUTLER HOMES LLC</b> 1121 SW PAUL PEARCE LANE LAKE CITY, FL 32024		
Site	364 FIELDSTONE CT,		
Description*	LOT 57 EMERALD COVE S/D PHS 2. WD 1078-1558, QC 1274-2257, QC 1360-2464, WD 1363-1487,		
Area	0.5 AC	S/T/R	33-3S-16E
Use Code**	VACANT (000000)	Tax District	3

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

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

**Property & Assessment Values**

2018 Certified Values		2019 Working Values	
Mkt Land (1)	\$13,000	Mkt Land (1)	\$14,500
Ag Land (0)	\$0	Ag Land (0)	\$0
Building (0)	\$0	Building (0)	\$0
XFOB (0)	\$0	XFOB (0)	\$0
Just	\$13,000	Just	\$14,500
Class	\$0	Class	\$0
Appraised	\$13,000	Appraised	\$14,500
SOH Cap [?]	\$0	SOH Cap [?]	\$0
Assessed	\$13,000	Assessed	\$14,500
Exempt	\$0	Exempt	\$0
Total Taxable	county:\$12,100 city:\$12,100 other:\$12,100 school:\$13,000	Total Taxable	county:\$14,500 city:\$14,500 other:\$14,500 school:\$14,500

**▼ Sales History**

Sale Date	Sale Price	Book/Page	Deed	V/I	Quality (Codes)	RCode
5/23/2018	\$100	1360/2464	QC	V	U	11
5/19/2014	\$100	1274/2257	QC	V	U	11
3/23/2006	\$360,000	1078/1558	WD	V	Q	

**▼ Building Characteristics**

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

**▼ Extra Features & Out Buildings (Codes)**

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
NONE						

**▼ Land Breakdown**

Land Code	Desc	Units	Adjustments	Eff Rate	Land Value
000000	VAC RES (MKT)	1.000 LT - (0.500 AC)	1.00/1.00 1.00/1.00	\$14,500	\$14,500

1. LIST CONTRACT #

1906-81

2. OR NAME

Lot 57 Emerald Cove

3. IF FORM MUST BE SUBMITTED & FOR A PERMIT WILL BE SIGNED

4. The contractor shall not on permits. One permit will cover all trades doing work at the permitted site. It is the contractor's responsibility to have records of the subcontractors who actually did the trade specific work under the general permit.

5. It will be the responsibility of the general contractor to make sure that all of the subcontractors are licensed with the local building Department.

6. To confirm licenses: <http://www.co.clatsopcountyfla.com/PermitSearch/ContractorSearch.aspx>

7. If the contractor 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.

8. Failure to do so will result in stop work orders and/or fines.

<p>ELECTRICAL</p> <p>811</p>	<p>Print Name: <u>Ryan Benile</u></p> <p>Signature: <u>[Signature]</u></p> <p>Company Name: <u>RBI Electrical Contracting LLC</u></p> <p>License #: <u>EC 1300 4236</u></p> <p>Phone #: <u>352-339-0369</u></p>	<p>Need</p> <p><input type="checkbox"/> Lic</p> <p><input type="checkbox"/> Liab</p> <p><input type="checkbox"/> W/C</p> <p><input type="checkbox"/> EX</p> <p><input type="checkbox"/> DE</p>
<p>MECHANICAL</p> <p>811</p>	<p>Print Name: _____</p> <p>Signature: _____</p> <p>Company Name: _____</p> <p>License #: _____</p> <p>Phone #: _____</p>	<p>Need</p> <p><input type="checkbox"/> Lic</p> <p><input type="checkbox"/> Liab</p> <p><input type="checkbox"/> W/C</p> <p><input type="checkbox"/> EX</p> <p><input type="checkbox"/> DE</p>
<p>PLUMBING</p> <p>811</p>	<p>Print Name: _____</p> <p>Signature: _____</p> <p>Company Name: _____</p> <p>License #: _____</p> <p>Phone #: _____</p>	<p>Need</p> <p><input type="checkbox"/> Lic</p> <p><input type="checkbox"/> Liab</p> <p><input type="checkbox"/> W/C</p> <p><input type="checkbox"/> EX</p> <p><input type="checkbox"/> DE</p>
<p>ROOFING</p> <p>811</p>	<p>Print Name: _____</p> <p>Signature: _____</p> <p>Company Name: _____</p> <p>License #: _____</p> <p>Phone #: _____</p>	<p>Need</p> <p><input type="checkbox"/> Lic</p> <p><input type="checkbox"/> Liab</p> <p><input type="checkbox"/> W/C</p> <p><input type="checkbox"/> EX</p> <p><input type="checkbox"/> DE</p>
<p>PAINTING</p> <p>811</p>	<p>Print Name: _____</p> <p>Signature: _____</p> <p>Company Name: _____</p> <p>License #: _____</p> <p>Phone #: _____</p>	<p>Need</p> <p><input type="checkbox"/> Lic</p> <p><input type="checkbox"/> Liab</p> <p><input type="checkbox"/> W/C</p> <p><input type="checkbox"/> EX</p> <p><input type="checkbox"/> DE</p>
<p>CONCRETE</p> <p>811</p>	<p>Print Name: _____</p> <p>Signature: _____</p> <p>Company Name: _____</p> <p>License #: _____</p> <p>Phone #: _____</p>	<p>Need</p> <p><input type="checkbox"/> Lic</p> <p><input type="checkbox"/> Liab</p> <p><input type="checkbox"/> W/C</p> <p><input type="checkbox"/> EX</p> <p><input type="checkbox"/> DE</p>
<p>IRONWORK</p> <p>811</p>	<p>Print Name: _____</p> <p>Signature: _____</p> <p>Company Name: _____</p> <p>License #: _____</p> <p>Phone #: _____</p>	<p>Need</p> <p><input type="checkbox"/> Lic</p> <p><input type="checkbox"/> Liab</p> <p><input type="checkbox"/> W/C</p> <p><input type="checkbox"/> EX</p> <p><input type="checkbox"/> DE</p>
<p>OTHER</p> <p>811</p>	<p>Print Name: _____</p> <p>Signature: _____</p> <p>Company Name: _____</p> <p>License #: _____</p> <p>Phone #: _____</p>	<p>Need</p> <p><input type="checkbox"/> Lic</p> <p><input type="checkbox"/> Liab</p> <p><input type="checkbox"/> W/C</p> <p><input type="checkbox"/> EX</p> <p><input type="checkbox"/> DE</p>

# SUBCONTRACTOR VERIFICATION

APPLICATION/PERMIT # \_\_\_\_\_ JOB NAME Lot 57 Emerald Cove

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

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

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

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

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

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

<b>ELECTRICAL</b> <input type="checkbox"/>	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	<b>Need</b> <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
<b>MECHANICAL/A/C</b> <input checked="" type="checkbox"/>	Print Name <u>Clinton Wilson</u> Signature <u>Clinton Wilson</u> Company Name: <u>Wilson Heat &amp; Air Inc</u> License #: <u>CAC057886</u> Phone #: <u>386-496-9000</u>	<b>Need</b> <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
<b>PLUMBING/GAS</b> <input type="checkbox"/>	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	<b>Need</b> <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
<b>ROOFING</b> <input type="checkbox"/>	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	<b>Need</b> <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
<b>SHEET METAL</b> <input type="checkbox"/>	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	<b>Need</b> <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
<b>FIRE SYSTEM/SPRINKLER</b> <input type="checkbox"/>	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	<b>Need</b> <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
<b>SOLAR</b> <input type="checkbox"/>	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	<b>Need</b> <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
<b>STATE SPECIALTY</b> <input type="checkbox"/>	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	<b>Need</b> <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE

## SUBCONTRACTOR VERIFICATION

APPLICATION/PERMIT # \_\_\_\_\_ JOB NAME Lot 57 Emerald Cove

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

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

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

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

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

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

<b>ELECTRICAL</b> <input type="checkbox"/>	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	<b>Need</b> <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
<b>MECHANICAL/</b> <b>A/C</b> <input type="checkbox"/>	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	<b>Need</b> <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
<b>PLUMBING/</b> <b>GAS</b> <input checked="" type="checkbox"/>	Print Name <u>James L Butler</u> Signature <u>James BL</u> Company Name: <u>Butler Plumbing of Gainesville Inc</u> License #: <u>CFC057960</u> Phone #: <u>352 472 3677</u>	<b>Need</b> <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
<b>ROOFING</b> <input type="checkbox"/>	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	<b>Need</b> <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
<b>SHEET METAL</b> <input type="checkbox"/>	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	<b>Need</b> <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
<b>FIRE SYSTEM/</b> <b>SPRINKLER</b> <input type="checkbox"/>	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	<b>Need</b> <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
<b>SOLAR</b> <input type="checkbox"/>	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	<b>Need</b> <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
<b>STATE</b> <b>SPECIALTY</b> <input type="checkbox"/>	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	<b>Need</b> <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE

APPLICATION/PERMIT # \_\_\_\_\_

JOB NAME

Lot 57 Emerald Cove

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<b>ELECTRICAL</b> <input type="checkbox"/>	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	<b>Need</b> - Lic - Liab - W/C - EX - DE
<b>MECHANICAL/A/C</b> <input type="checkbox"/>	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	<b>Need</b> - Lic - Liab - W/C - EX - DE
<b>PLUMBING/GAS</b> <input type="checkbox"/>	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	<b>Need</b> - Lic - Liab - W/C - EX - DE
<b>ROOFING</b> <input checked="" type="checkbox"/>	Print Name <u>Jeff Bokor</u> Signature <u>[Signature]</u> Company Name: <u>DWC Contracting LLC</u> License #: <u>CCC-1329756</u> Phone #: <u>352-339-6387</u>	<b>Need</b> - Lic - Liab - W/C - EX - DE
<b>SHEET METAL</b> <input type="checkbox"/>	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	<b>Need</b> - Lic - Liab - W/C - EX - DE
<b>FIRE SYSTEM/SPRINKLER</b> <input type="checkbox"/>	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	<b>Need</b> - Lic - Liab - W/C - EX - DE
<b>SOLAR</b> <input type="checkbox"/>	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	<b>Need</b> - Lic - Liab - W/C - EX - DE
<b>STATE SPECIALTY</b> <input type="checkbox"/>	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	<b>Need</b> - Lic - Liab - W/C - EX - DE

## **A&B Well Drilling, Inc.**

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

July 3, 2019

To: Columbia County Building Department

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

Located @ Address: \_\_\_\_\_364 SW Fieldstone\_\_\_\_\_

1 HP 20 GPM submersible pump, 1 1/4" drop pipe, 85 gallon captive tank, and backflow prevention.  
With SRWMD permit.

\_\_\_\_Bruce Park\_\_\_\_\_

Sincerely,  
Bruce N. Park  
President

## Legend

### Parcels

### Roads

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

Addressing:2018 Base Flood Elevations Group

2018 Base Flood Elevations  
raster

- Polygon
- Line
- Point

2018 Base Flood Elevation Zones

- 0.2 PCT ANNUAL CHANCE
- A
- AE
- AH

2018 Flood Zones

- 0.2 PCT ANNUAL CHANCE
- A
- AE
- AH

Contours

default{Contours.shp}  
DEFAULT

2018Aerials

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

# Columbia County, FLA - Building & Zoning Property Map

Printed: Mon Jul 01 2019 13:40:35 GMT-0400 (Eastern Daylight Time)



## Parcel Information

Parcel No: 33-3S-16-02438-157

Owner: MF BUTLER HOMES LLC

Subdivision: EMERALD COVE PHASE 2

Lot:

Acres: 0.4919068

Deed Acres:

District: District 3 Bucky Nash

Future Land Uses: Residential - Low

Flood Zones:

Official Zoning Atlas: RSF-2

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 implied 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.



FLOWERS SURVEYING  
AND MAPPING, INC.

207 S.E. Condor Glen  
High Springs, FL 32643  
FLOWERSSURVEYING@GMAIL.COM  
(386) 462-0130

SCANNED

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LAND SURVEYORS

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August 1, 2019

Elevation Letter – Lot 57 of Emerald Cove Phase II


**Parcel Location:** 364 S.W. Fieldstone Court, Lake City, Columbia County, Florida  
Tax Parcel No. 33-3S-16-02438-157

**Vertical Data**

Minimum Finish Floor (per subdivision construction plans) = 113 feet  
Top of Stem Wall (measured) = 118.84 feet (NAVD 88)

I, Leigh Ann Flowers, PSM, hereby certify that the top of the stem wall for Lot 57 of Emerald Cove Phase II (Plat Book 8, pages 68 & 69) measures **118.84 feet**. Elevations are based on GPS measurements on the geodetic reference system 1980 (Geoid 12A) from the Florida Permanent Reference Network (FPRN). (North American Vertical Datum of 1988).

Leigh Ann Flowers

  
Professional Surveyor & Mapper  
Florida License No. 6602

8/1/19  
Date of Signature

38356  
SCANNED

FILE COPY

Application 1906-81 – Mark Bauer, Contractor

EMERALD COVE PHASE 2 LOT 57 - PERMIT INSTRUCTIONS:

With the application, an engineer letter provided on the Finish Floor Elevation Requirements/Exemption. Per David M. Winsberg PE 68463

**Instructions:**

Minimum Finished Floor Elevation is 113' and the minimum finish floor elevation of proposed structures shall be 12 inches above the existing ground at any point along the perimeter of the proposed structures. The ground around the proposed structure(s) shall be graded such as to convey all storm water runoff away from the proposed structure(s).

Per the plat a Special Note for Drainage Easements – The South 15 feet of Lot 57 is Designated for Use as a Drainage Easement.

**Needed:**

1. Elevation confirmation Letter at slab from a surveyor.
2. An "As Built Letter of Conclusion" from David M. Winsberg PE 68463. This letter should verify the requirements stated in the original letter dated June 20, 2019, for minimum floor elevation and the site grading requirements.
3. Verification of the Plat requirement for this 15 foot drainage easement. (This can be included in the letter from Mr. Winsberg or a signed letter from the contractor.

*Zoning: LH – Dated 7/8/2019*

## **Finish Floor Elevation Requirement\Exemption**

**Client:** MF Butler Homes, LLC  
**Contractor:** Gibraltar Contracting  
**Description:** Lot 57, Emerald Cove Subdivision  
**Parcel ID#:** 33-3S-16-02438-157

### **Minimum Finished Floor Elevation:**

According to sheet 43 of plans signed and sealed by Chad Williams (PE # 63144) on October 8, 2004, the minimum finished floor elevation for structures on what is now Lot 57 (previously shown as lots 74 to 75) of Emerald Cove Subdivision is 113.0 feet above sea level.

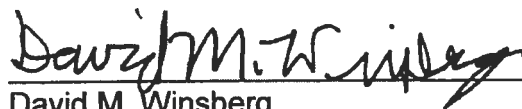
An as-built certification for this project was completed on March 15, 2006. This as-built certification was signed and sealed by Chad Williams, PE # 63144.

### **Certification:**

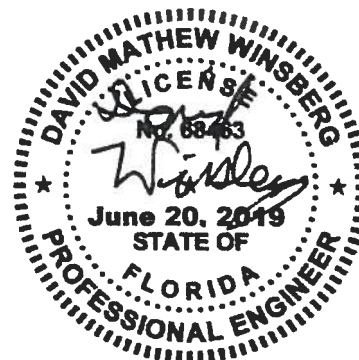
Chad Williams, PE has previously certified (in documents submitted to SRWMD) that the minimum or finish floor elevations listed on his plans would protect all structures against water damage from the base flood event as is currently defined in Article 8 of the Land Development Regulations of Columbia County, Florida (the 100 year storm event).

### **Additional Foundation Requirements:**

For protection against water damage during the 100 year storm event, the minimum finish floor elevation of proposed structures shall be 12 inches above the existing ground at any point along the perimeter of the proposed structures. The ground around the proposed structure(s) shall be graded such as to convey all stormwater runoff away from the proposed structures(s).

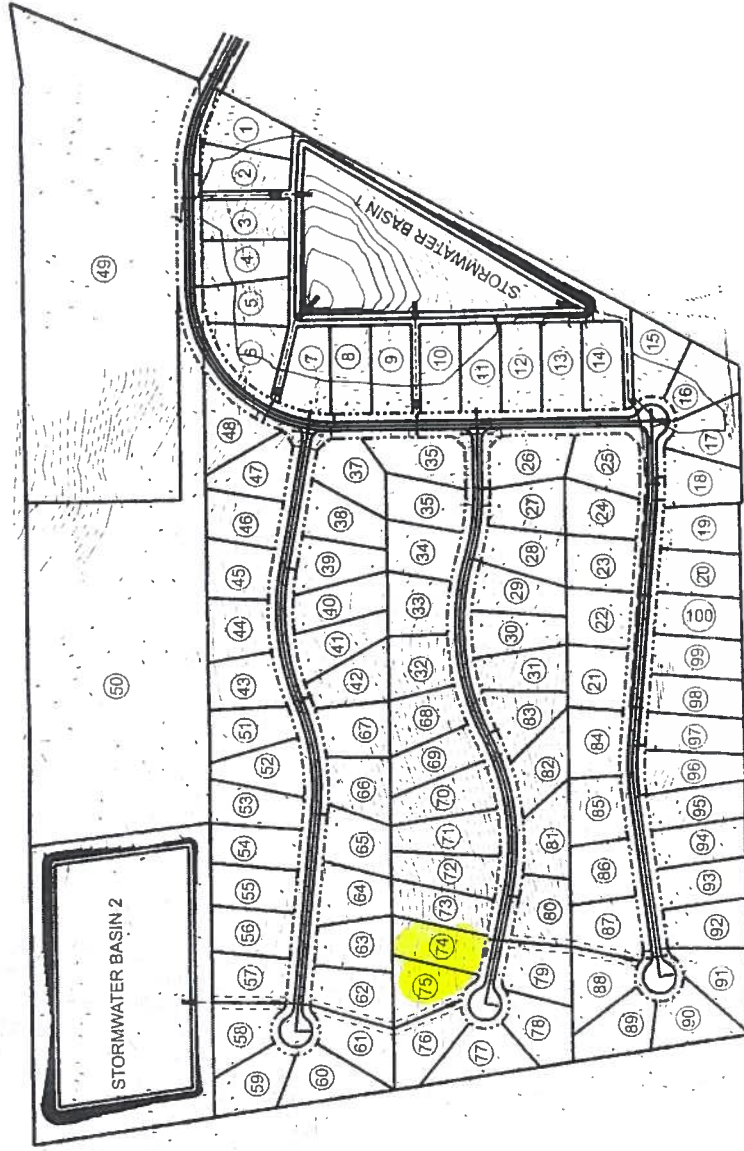


David M. Winsberg  
PE# 68463, CA# 29596  
June 20, 2019





LOT NUMBER	MINIMUM FINISH FLOOR ELEVATION	LOT NUMBER	MINIMUM FINISH FLOOR ELEVATION
1	103	51	109
2	103	52	107
3	103	53	105
4	103	54	103
5	103	55	102
6	103	56	102
7	103	57	102
8	103	58	104
9	103	59	107
10	103	60	111
11	103	61	110
12	106	62	107
13	106	63	107
14	106	64	107
15	107	65	107
16	107	66	109
17	107	67	112
18	110	68	120
19	115	69	120
20	125	70	118
21	147	71	116
22	143	72	115
23	137	73	113
24	130	74	113
25	115	75	113
26	115	76	115
27	125	77	120
28	127	78	121
29	129	79	125
30	132	80	132
31	135	81	138
32	123	82	137
33	123	83	137
34	119	84	146
35	111	85	144
36	112	86	143
37	113	87	140
38	118	88	133
39	117	89	130
40	116	90	141
41	115	91	146
42	115	92	149
43	111	93	152
44	111	94	155
45	111	95	155
46	111	96	153
47	108	97	152
48	105	98	151
49	115	99	150
50	110	100	139



- NOTES:**
- THE MINIMUM FINISH FLOOR ELEVATION ON THIS SHEET MAY BE CHANGED TO EITHER:
    - 1 FOOT ABOVE THE ADJACENT ROAD OR,
    - 8 INCHES ABOVE ADJACENT NATURAL GROUND
 IF DETERMINED BY A REGISTERED PROFESSIONAL ENGINEER THAT CHANGING THE STATED MINIMUM FINISH FLOOR ELEVATION WILL NOT INCREASE FLOOD HAZARDS.
  - ELEVATIONS ARE BASED OFF TOPOGRAPHICAL SURVEY PERFORMED BY J. SHERMAN FRIER AND ASSOCIATES JSFA SHOULD BE CONTACTED FOR BENCHMARK INFORMATION. (PHONE # 386.362.4629)

REVISION NOTES

DATE

P.O. Box 187  
130 West Howard Street  
Live Oak FL 32064  
Phone: (386) 362-3678  
Fax: (386) 362-6133



# MINIMUM FINISH FLOOR ELEVATIONS

PROJECT NUMBER

PF03-116

SHEET

43

# PLOT PLAN

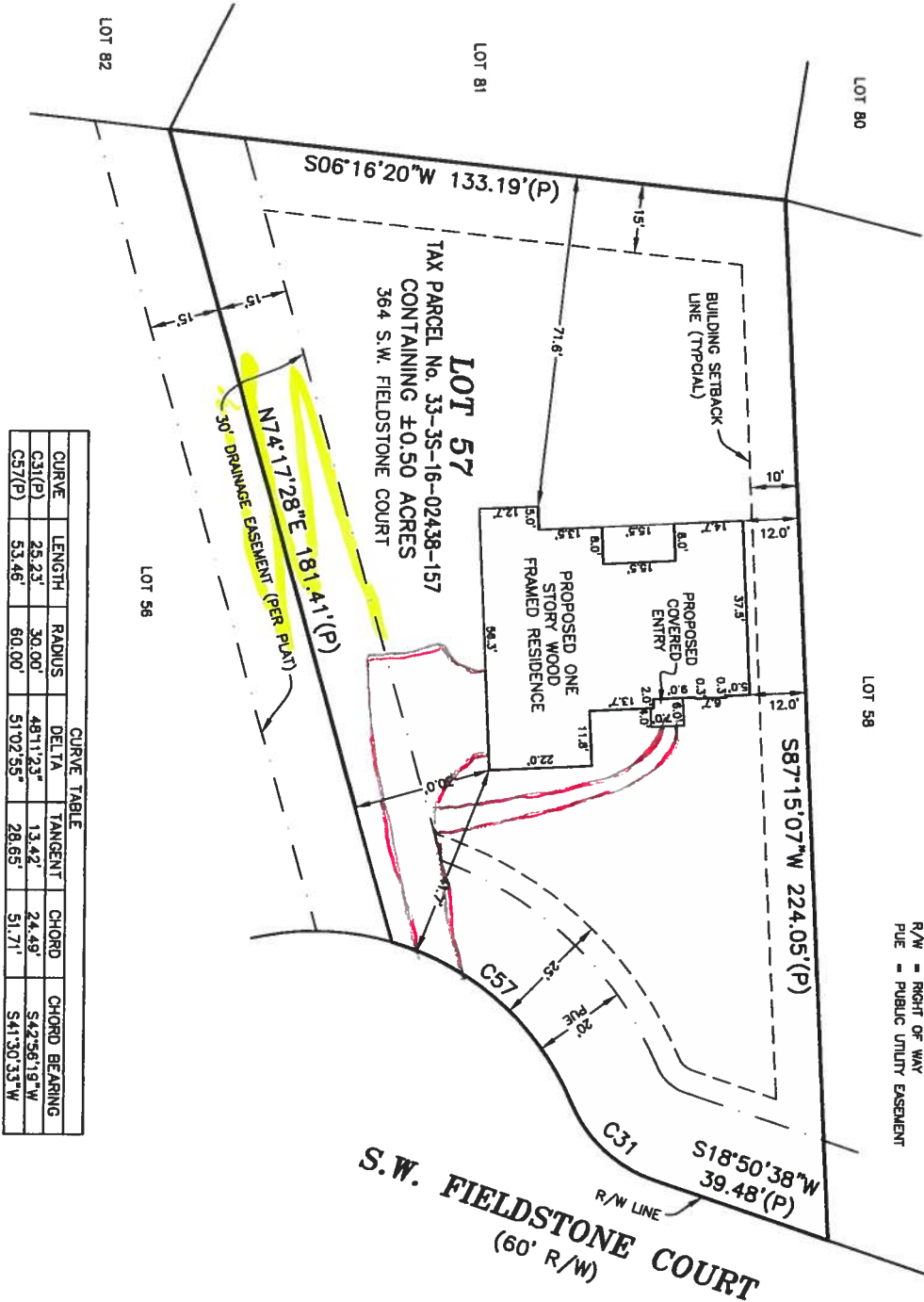
IN SECTION 33, TOWNSHIP 3 SOUTH, RANGE 16 EAST  
COLUMBIA COUNTY, FLORIDA

THIS IS NOT A BOUNDARY SURVEY

## LEGAL DESCRIPTION

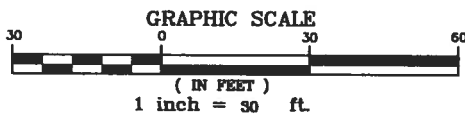
LOT 57, EMERALD COVE, PHASE II,  
ACCORDING TO THE PLAT THEREOF  
RECORDED IN PLAT BOOK 8, PAGES  
88 & 89 OF THE PUBLIC RECORDS  
OF COLUMBIA COUNTY, FLORIDA.

LEGEND  
(P) = PER PLAT  
R/W = RIGHT OF WAY  
PUE = PUBLIC UTILITY EASEMENT



CURVE TABLE					
CURVE	LENGTH	RADIUS	DELTA	TANGENT	CHORD
C31(P)	25.23'	30.00'	481°23'	13.42'	24.49'
C37(P)	53.46'	60.00'	510°55'	28.65'	51.71'
					541°30'33"W

S.W. FIELDSTONE COURT  
(60' R/W)



## SURVEYOR NOTES:

1. THE BEARINGS SHOWN HEREON ARE BASED THE PLAT OF EMERALD COVE PHASE II.
2. RECORDED EASEMENT AND/OR DEEDS NOT FURNISHED TO THE SURVEYOR ARE NOT SHOWN.
3. THIS IS NOT A BOUNDARY SURVEY

## Detail by Entity Name

Florida Limited Liability Company  
MF BUTLER HOMES, LLC

### Filing Information

**Document Number** L17000098240  
**FEI/EIN Number** 82-2074704  
**Date Filed** 05/03/2017  
**Effective Date** 05/03/2017  
**State** FL  
**Status** ACTIVE

### Principal Address

1121 SW PAUL PEARCE LANE  
LAKE CITY, FL 32024

### Mailing Address

1121 SW PAUL PEARCE LANE  
LAKE CITY, FL 32024

### Registered Agent Name & Address

BUTLER, AARON  
1843 SW MIXSON RD.  
LAKE CITY, FL 32024

### Authorized Person(s) Detail

#### **Name & Address**

Title MGR

BUTLER, MILTON F  
2465 GUM CREEK RD.  
OXFORD, GA 30054

### Annual Reports

Report Year	Filed Date
2018	02/08/2018
2019	04/30/2019

### Document Images

<a href="#">04/30/2019 -- ANNUAL REPORT</a>	<a href="#">View image in PDF format</a>
<a href="#">02/08/2018 -- ANNUAL REPORT</a>	<a href="#">View image in PDF format</a>
<a href="#">05/03/2017 -- Florida Limited Liability</a>	<a href="#">View image in PDF format</a>



## COLUMBIA COUNTY BUILDING DEPARTMENT RESIDENTIAL CHECK LIST

**MINIMUM PLAN REQUIREMENTS: FLORIDA BUILDING CODE RESIDENTIAL 2017 EFFECTIVE 1 JANUARY 2018  
AND THE NATIONAL ELECTRICAL 2014 EFFECTIVE 1 JANUARY 2018**

### ALL REQUIREMENTS ARE SUBJECT TO CHANGE

**ALL BUILDING PLANS MUST INDICATE COMPLIANCE WITH THE CURRENT FLORIDA BUILDING CODES RESIDENTIAL AND THE NATIONAL ELECTRICAL CODE. ALL PLANS OR DRAWINGS SHALL PROVIDE CALCULATIONS AND DETAILS THAT HAVE THE SEAL AND SIGNATURE OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA, OR ALTERNATE METHODOLOGIES, APPROVED BY THE STATE OF FLORIDA BUILDING COMMISSION FOR ONE-AND-TWO FAMILY DWELLINGS, FBC 1609.3.1 THRU 1609.3.3.**

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

**Revised 7/1/18**

**Website:** <http://www.columbiacountyfla.com/BuildingandZoning.asp>

Items to Include-  
Each Box shall be  
Circled as  
Applicable  
Select From Drop down

### GENERAL REQUIREMENTS:

**APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL**

1	Two (2) complete sets of plans containing the following:	<input checked="" type="checkbox"/>			
2	All drawings must be clear, concise, drawn to scale, details that are not used shall be marked void	<input checked="" type="checkbox"/>			
3	Condition space (Sq. Ft.)		Total (Sq. Ft.) under roof	Yes	No NA

Designers name and signature shall be on all documents and a licensed architect or engineer, signature and official embossed seal shall be affixed to the plans and documents as per the FLORIDA BUILDING CODES RESIDENTIAL 107.1.

### Site Plan information including:

4	Dimensions of lot or parcel of land	Yes		<input type="checkbox"/>
5	Dimensions of all building set backs	Yes		<input type="checkbox"/>
6	Location of all other structures (include square footage of structures) on parcel, existing or proposed well and septic tank and all utility easements.	Yes		<input type="checkbox"/>
7	Provide a full legal description of property.	Yes		<input type="checkbox"/>

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

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

### Elevations Drawing including:

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

**Floor Plan Including:**

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

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

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

**FBCR 403: Foundation Plans**

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

**FBCR 506: CONCRETE SLAB ON GRADE**

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

**FBCR 318: PROTECTION AGAINST TERMITES**

37	Indicate on the foundation plan if soil treatment is used for subterranean termite prevention or Submit other approved termite protection methods. Protection shall be provided by registered termiticides	Yes		<input type="checkbox"/>
----	--	-----	--	--------------------------

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

38	Show all materials making up walls, wall height, and Block size, mortar type	NA		<input type="checkbox"/>
39	Show all Lintel sizes, type, spans and tie-beam sizes and spacing of reinforcement	NA		<input type="checkbox"/>

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

**Floor Framing System: First and/or second story**

40	Floor truss package shall including layout and details, signed and sealed by Florida Registered Professional Engineer	NA		<input type="checkbox"/>
41	Show conventional floor joist type, size, span, spacing and attachment to load bearing walls, stem walls and/or piers	NA		<input type="checkbox"/>
42	Girder type, size and spacing to load bearing walls, stem wall and/or piers	NA		<input type="checkbox"/>
43	Attachment of joist to girder	NA		<input type="checkbox"/>
44	Wind load requirements where applicable	NA		<input type="checkbox"/>
45	Show required under-floor crawl space	NA		<input type="checkbox"/>
46	Show required amount of ventilation opening for under-floor spaces	NA		<input type="checkbox"/>
47	Show required covering of ventilation opening	NA		<input type="checkbox"/>
48	Show the required access opening to access to under-floor spaces	NA		<input type="checkbox"/>
49	Show the sub-floor structural panel sheathing type, thickness and fastener schedule on the edges & intermediate of the areas structural panel sheathing	NA		<input type="checkbox"/>
50	Show Draftstopping, Fire caulking and Fire blocking	NA		<input type="checkbox"/>
51	Show fireproofing requirements for garages attached to living spaces, per FBCR section 302.6	NA		<input type="checkbox"/>
52	Provide live and dead load rating of floor framing systems (psf).	NA		<input type="checkbox"/>

**FBCR CHAPTER 6 WOOD WALL FRAMING CONSTRUCTION**

GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL		Items to Include- Each Box shall be Circled as Applicable		
Select from Drop down				
53	Stud type, grade, size, wall height and oc spacing for all load bearing or shear walls	Yes		<input type="checkbox"/>
54	Fastener schedule for structural members per table FBC-R602.3.2 are to be shown	Yes		<input type="checkbox"/>
55	Show wood structural panel's sheathing attachment to studs, joist, trusses, rafters and structural members, showing fastener schedule attachment on the edges & intermediate of the areas structural panel sheathing	Yes		<input type="checkbox"/>
56	Show all required connectors with a max uplift rating and required number of connectors and oc spacing for continuous connection of structural walls to foundation and roof trusses or rafter systems	Yes		<input type="checkbox"/>
57	Show sizes, type, span lengths and required number of support jack studs, king studs for shear wall opening and girder or header per FBC-R602.7.	Yes		<input type="checkbox"/>
58	Indicate where pressure treated wood will be placed	Yes		<input type="checkbox"/>
59	Show all wall structural panel sheathing, grade, thickness and show fastener schedule for structural panel sheathing edges & intermediate areas	Yes		<input type="checkbox"/>
60	A detail showing gable truss bracing, wall balloon framing details or/ and wall hinge bracing detail	Yes		<input type="checkbox"/>

**FBCR :ROOF SYSTEMS:**

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

**FBCR 802:Conventional Roof Framing Layout**

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

**FBCR 803 ROOF SHEATHING**

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

## ROOF ASSEMBLIES FRC Chapter 9

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

## FBCR Chapter 11 Energy Efficiency Code for Residential Building

Residential construction shall comply with this code by using the following compliance methods in the FBCR Chapter 11 Residential buildings compliance methods. Two of the required forms are to be submitted, *N1100.1.1.1 As an alternative to the computerized Compliance Method A, the Alternate Residential Point System Method hand calculation, Alternate Form 600A, may be used. All requirements specific to this calculation are located in Sub appendix C to Appendix G. Buildings complying by this alternative shall meet all mandatory requirements of this chapter. Computerized versions of the Alternate Residential Point System Method shall not be acceptable for code compliance.*

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

Select from Drop Down

74	Show the insulation R value for the following areas of the structure	Yes			<input type="checkbox"/>
75	Attic space	Yes			<input type="checkbox"/>
76	Exterior wall cavity	Yes			<input type="checkbox"/>
77	Crawl space	Yes			<input type="checkbox"/>

## HVAC information

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

## Plumbing Fixture layout shown

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

## Private Potable Water

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

## Electrical layout shown including

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

**Notice Of Commencement:**

A notice of commencement form **RECORDED** in the Columbia County Clerk Office is required to be filed with the Building Department **BEFORE ANY INSPECTIONS** can be performed.

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

Select from Drop down

93	<b>Building Permit Application</b> A current Building Permit Application is to be completed, by following the Checklist all supporting documents must be submitted. There is a <b>\$15.00</b> application fee. The completed application with attached documents and application fee can be mailed.	Yes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
94	<b>Parcel Number</b> The parcel number (Tax ID number) from the Property Appraisers Office (386) 758-1083 is required. A copy of property deed is also required. <a href="http://www.columbiacountyfla.com">www.columbiacountyfla.com</a>	Yes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
95	<b>Environmental Health Permit or Sewer Tap Approval</b> A copy of a approved Columbia County Environmental Health (386) 758-1058	-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
96	<b>City of Lake City</b> A City Water and/or Sewer letter. Call 386-752-2031	-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
97	<b>Toilet facilities shall be provided for all construction sites</b>	Yes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
98	<b>Town of Fort White</b> (386) 497-2321 If the parcel in the application for building permit is within the Corporate city limits of Fort White, an approval land use development letter issued by the Town of Fort is required to be submitted with the application for a building permit.	-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
99	<b>Flood Information:</b> All projects within the Floodway of the Suwannee or Santa Fe Rivers shall require permitting through the Suwannee River Water Management District, before submitting a application to this office. Any project located within a flood zone where the base flood elevation (100 year flood) has been established shall meet the requirements of Section 8.5.2 of the Columbia County Land Development Regulations. Any project located within a flood zone where the base flood elevation has not been established (Zone A) shall meet the requirements of Section 8.5.3 of the Columbia County Land Development Regulations ( <a href="http://Municode.com">Municode.com</a> )	NA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
100	<b>CERTIFIED FINISHED FLOOR ELEVATIONS</b> will be required on any project where the approved FIRM Flood Maps show the property is in a AE, Floodway, and AH flood zones. Additionally One Foot Rise letters are required for AE and AH zones. In the Floodway Flood zones a Zero Rise letter is required.	Yes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
101	A Flood development permit is also required for AE, Floodway & AH. Development permit cost is <b>\$50.00</b>	NA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
102	<b>Driveway Connection:</b> If the property does not have an existing access to a public road, then an application for a culvert permit ( <b>\$25.00</b> ) 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 ( <b>\$50.00</b> ) Separate Check when issued. If the project is to be located on an F.D.O.T. maintained road, then an F.D.O.T. access permit is required.	Yes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
103	<b>911 Address:</b> An application for a 911 address must be applied for and received through the Columbia County Emergency Management Office of 911 Addressing Department (386) 758-1125.	Yes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Ordinance Sec. 90-75. - Construction debris.** (e) It shall be unlawful for any person to dispose of or discard solid waste, including construction or demolition debris at any place within the county other than on an authorized disposal site or at the county's solid waste facilities. The temporary storage, not to exceed seven days of solid waste (excluding construction and demolition debris) on the premises where generated or vegetative trash pending disposition as authorized by law or ordinance, shall not be deemed a violation of this section. The temporary storage of construction and demolition debris on the premises where generated or vegetative trash pending disposition as authorized by law or ordinance shall not be deemed in violation of this section; provided, however, such construction and demolition debris must be disposed of in accordance with this article prior to the county's issuance of a certificate of occupancy for the premises. The burning of lumber from a construction or demolition project or vegetative trash when done so with legal and proper permits from the authorized agencies and in accordance with such agencies' rules and regulations, shall not be deemed a violation of this section. No person shall bury, throw, place, or deposit, or cause to be buried, thrown, placed, or deposited, any solid waste, special waste, or debris of any kind into or on any of the public streets, road right-of-way, highways, bridges, alleys, lanes, thoroughfares, waters, canals, or vacant lots or lands within the county. No person shall bury any vegetative trash on any of the public streets, road right-of-way, highways, bridges, lanes, thoroughfares, waters, canals, or lots less than ten acres in size within the county.

**Disclosure Statement for Owner Builders:**

If you as the Applicant will be acting as your own contractor or owner/builder under section 489.103(7) Florida Statutes, you must submit the required notarized Owner Builder Disclosure Statement form.

**\*\*This form can be printed from the Columbia County Website on the Building and Zoning page under Documents. Web address is - <http://www.columbiacountyfla.com/BuildingandZoning.asp>**

**Section 105 of the Florida Building Code defines the:**

**Time limitation of application.**

An application for a permit for any proposed work shall be deemed to have been abandoned 180 days after the date of filing, unless such application has been pursued in good faith or a permit has been issued; except that the building official is authorized to grant one or more extensions of time for additional periods not exceeding 90 days each. The extension shall be requested in writing and justifiable cause demonstrated.

**Single-family residential dwelling.**

**Section 105.3.4** A building permit for a single-family residential dwelling must be issued within 30 working days of application therefor unless unusual circumstances require a longer time for processing the application or unless the permit application fails to satisfy the Florida Building Code or the enforcing agency's laws or ordinances.

**Permit intent.**

**Section 105.4.1:** A permit issued shall be constructed to be a license to proceed with the work and not as authority to violate, cancel, alter or set aside any of the provisions of the technical codes, nor shall issuance of a permit prevent the building official from thereafter requiring a correction of errors in plans, construction or violations of this code. Every permit issued shall become invalid unless the work authorized by such permit is commenced within six months after its issuance, or if the work authorized by such permit is suspended or abandoned for a period of six months after the time the work is commenced.

**If work has commenced.**

**Section 105.4.1.1:** If work has commenced and the permit is revoked, becomes null and void, or expires because of lack of progress or abandonment, a new permit covering the proposed construction shall be obtained before proceeding with the work.

**New Permit.**

**Section 105.4.1.2:** If a new permit is not obtained within 180 days from the date the initial permit became null and void, the building official is authorized to require that any work which has been commenced or completed be removed from the building site. Alternately, a new permit may be issued on application, providing the work in place and required to complete the structure meets all applicable regulations in effect at the time the initial permit became null and void and any regulations which may have become effective between the date of expiration and the date of issuance of the new permit.

**Work Shall Be:**

**Section 105.4.1.3:** Work shall be considered to be in active progress when the permit has received an approved inspection within 180 days. This provision shall not be applicable in case of civil commotion or strike or when the building work is halted due directly to judicial injunction, order or similar process.

**The Fee:**

**Section 105.4.1.4:** The fee for renewal reissuance and extension of a permit shall be set forth by the administrative authority.

**Notification:**

When the application is approved for permitting the applicant will be notified by phone as to the status by the Columbia County Building & Zoning Department.

**FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION**

Florida Department of Business and Professional Regulation - Residential Performance Method

<b>Project Name:</b> Lot 57 Emerald Cove <b>Street:</b> <b>City, State, Zip:</b> Lake City, FL, 32025 <b>Owner:</b> N/A <b>Design Location:</b> FL, Gainesville	<b>Builder Name:</b> Gibraltar Contracting, Inc. <b>Permit Office:</b> Columbia County <b>Permit Number:</b> <b>Jurisdiction:</b> <b>County:</b> Columbia (Florida Climate Zone 2)
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Glass/Floor Area: 0.149	Total Proposed Modified Loads: 54.33 Total Baseline Loads: 56.57	PASS
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I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code.  <b>PREPARED BY:</b> <u>                    </u> <b>DATE:</b> <u>6/18/2019</u>  I hereby certify that this building, as designed, is in compliance with the Florida Energy Code.  <b>OWNER/AGENT:</b> <u>                    </u> <b>DATE:</b> <u>                    </u>	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.  <b>BUILDING OFFICIAL:</b> <u>                    </u> <b>DATE:</b> <u>                    </u>
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- Compliance requires certification by the air handler unit manufacturer that the air handler enclosure qualifies as certified factory-sealed in accordance with R403.3.2.1.
- Compliance requires an Air Barrier and Insulation Inspection Checklist in accordance with R402.4.1.1 and this project requires an envelope leakage test report with envelope leakage no greater than 5.00 ACH50 (R402.4.1.2).

## INPUT SUMMARY CHECKLIST REPORT

PROJECT													
Title:	Lot 57 Emerald Cove			Bedrooms:	4			Address Type:	Lot Information				
Building Type:	User			Conditioned Area:	1880			Lot #	57				
Owner Name:	N/A			Total Stories:	1			Block/Subdivision:	Emerald Cove				
# of Units:	1			Worst Case:	No			PlatBook:					
Builder Name:	Gibraltar Contracting, Inc.			Rotate Angle:	0			Street:					
Permit Office:	Columbia County			Cross Ventilation:	Yes			County:	Columbia				
Jurisdiction:				Whole House Fan:	No			City, State, Zip:	Lake City , FL , 32025				
Family Type:	Single-family												
New/Existing:	New (From Plans)												
Comment:													
CLIMATE													
✓	Design Location	TMY Site		Design Temp 97.5 % 2.5 %		Int Design Temp Winter Summer		Heating Degree Days	Design Moisture	Daily Temp Range			
_____	FL, Gainesville	FL_GAINESVILLE_REGI		32 92		70 75		1305.5	51	Medium			
BLOCKS													
	Number	Name	Area	Volume									
	1	Block1	1880	16920									
SPACES													
	Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Infil ID	Finished	Cooled	Heated		
	1	Main	1880	16920	Yes	4	4	1	Yes	Yes	Yes		
FLOORS													
✓	#	Floor Type	Space	Perimeter	R-Value	Area				Tile	Wood	Carpet	
_____	1	Slab-On-Grade Edge Insulation	Main	252 ft	0	1880 ft²			----	0	0	1	
ROOF													
✓	#	Type	Materials	Roof Area	Gable Area	Roof Color	Rad Barr	Solar Absor.	SA Tested	Emitt Tested	Emitt Tested	Deck Insul.	Pitch (deg)
_____	1	Hip	Composition shingles	2177 ft²	0 ft²	Medium	Y	0.96	No	0.9	No	0	30.3
ATTIC													
✓	#	Type	Ventilation	Vent Ratio (1 in)		Area	RBS	IRCC					
_____	1	Full attic	Vented	300		1880 ft²	Y	N					
CEILING													
✓	#	Ceiling Type	Space	R-Value	Ins Type	Area	Framing Frac	Truss Type					
_____	1	Under Attic (Vented)	Main	38	Double Batt	1974 ft²	0.11	Wood					

## INPUT SUMMARY CHECKLIST REPORT

## WALLS

✓ #	Ornt	Adjacent To	Wall Type	Space	Cavity R-Value	Width Ft	In	Height Ft	In	Area	Sheathing R-Value	Framing Fraction	Solar Absor.	Below Grade%
1	S	Exterior	Frame - Wood	Main	13	14	4	9		129.0 ft²		0.23	0.75	0
2	S	Exterior	Frame - Wood	Main	13	6	4	10		63.3 ft²		0.23	0.75	0
3	E	Garage	Frame - Wood	Main	13	10	4	9		93.0 ft²		0.23	0.75	0
4	S	Garage	Frame - Wood	Main	13	22		9		198.0 ft²		0.23	0.75	0
5	E	Exterior	Frame - Wood	Main	13	30	4	9		273.0 ft²		0.23	0.75	0
6	N	Exterior	Frame - Wood	Main	13	39	10	9		358.5 ft²		0.23	0.75	0
7	W	Exterior	Frame - Wood	Main	13	5		9		45.0 ft²		0.23	0.75	0
8	W	Exterior	Frame - Wood	Main	13	8		10		80.0 ft²		0.23	0.75	0
9	N	Exterior	Frame - Wood	Main	13	16	6	10		165.0 ft²		0.23	0.75	0
10	E	Exterior	Frame - Wood	Main	13	8		10		80.0 ft²		0.23	0.75	0
11	W	Exterior	Frame - Wood	Main	13	37	6	9		337.5 ft²		0.23	0.75	0
12	S	Exterior	Frame - Wood	Main	13	13	8	10		136.7 ft²		0.23	0.75	0

## DOORS

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

## WINDOWS

Orientation shown is the entered, Proposed orientation.

✓ #	Ornt	Wall ID	Frame	Panels	NFRC	U-Factor	SHGC	Imp	Area	Overhang Depth	Separation	Int Shade	Screening
1	S	1	Vinyl	Low-E Double	Yes	0.36	0.25	N	16.0 ft²	1 ft 0 in	1 ft 0 in	None	None
2	S	2	Vinyl	Low-E Double	Yes	0.36	0.25	N	13.3 ft²	7 ft 6 in	1 ft 6 in	None	None
3	S	2	Vinyl	Low-E Double	Yes	0.36	0.25	N	5.0 ft²	7 ft 6 in	0 ft 6 in	None	None
4	S	12	Vinyl	Low-E Double	Yes	0.36	0.25	N	36.0 ft²	1 ft 6 in	1 ft 0 in	None	None
5	E	5	Vinyl	Low-E Double	Yes	0.36	0.25	N	15.0 ft²	1 ft 6 in	1 ft 0 in	None	None
6	N	6	Vinyl	Low-E Double	Yes	0.36	0.25	N	15.0 ft²	1 ft 6 in	1 ft 0 in	None	None
7	N	6	Vinyl	Low-E Double	Yes	0.36	0.25	N	62.5 ft²	1 ft 6 in	1 ft 0 in	None	None
8	W	8	Vinyl	Low-E Double	Yes	0.36	0.25	N	20.0 ft²	6 ft 0 in	1 ft 0 in	None	None
9	N	9	Vinyl	Low-E Double	Yes	0.36	0.25	N	72.0 ft²	9 ft 6 in	1 ft 0 in	None	None
10	E	10	Vinyl	Low-E Double	Yes	0.36	0.25	N	20.0 ft²	1 ft 6 in	1 ft 0 in	None	None
11	W	11	Vinyl	Low-E Double	Yes	0.36	0.25	N	6.0 ft²	1 ft 6 in	1 ft 0 in	None	None

## GARAGE

✓ #	Floor Area	Ceiling Area	Exposed Wall Perimeter	Avg. Wall Height	Exposed Wall Insulation
1	480.326 ft²	480.326 ft²	55.67 ft	9 ft	1

## INPUT SUMMARY CHECKLIST REPORT

INFILTRATION											
#	Scope	Method	SLA	CFM 50	ELA	EqLA	ACH	ACH 50			
1	Wholehouse	Proposed ACH(50)	.000286	1410	77.41	145.58	.1128	5			

HEATING SYSTEM									
<input checked="" type="checkbox"/>	#	System Type	Subtype	Efficiency	Capacity	Block	Ducts		
<input checked="" type="checkbox"/>	1	Electric Heat Pump/	None	HSPF:8.2	26.91 kBtu/hr	1	sys#1		

COOLING SYSTEM									
<input checked="" type="checkbox"/>	#	System Type	Subtype	Efficiency	Capacity	Air Flow	SHR	Block	Ducts
<input checked="" type="checkbox"/>	1	Central Unit/	None	SEER: 14	23.06 kBtu/hr	690 cfm	0.85	1	sys#1

HOT WATER SYSTEM									
<input checked="" type="checkbox"/>	#	System Type	SubType	Location	EF	Cap	Use	SetPnt	Conservation
<input checked="" type="checkbox"/>	1	Electric	None	Garage	0.92	40 gal	40 gal	120 deg	None

SOLAR HOT WATER SYSTEM									
<input checked="" type="checkbox"/>	FSEC Cert #	CompanyName	System Model #	Collector Model #	Collector Area	Storage Volume	FEF		
<input checked="" type="checkbox"/>	None	None					ft²		

DUCTS														
<input checked="" type="checkbox"/>	#	--- Supply ---			--- Return ---		LeakageType	Air Handler	CFM 25 TOT	CFM25 OUT	QN	RLF	HVAC #	
		Location	R-Value	Area	Location	Area							Heat	Cool
<input checked="" type="checkbox"/>	1	Attic	6	467.75 f	Attic	93.5 ft²	Default Leakage	Garage	(Default) c	(Default) c			1	1

TEMPERATURES																								
Programable Thermostat: Y							Ceiling Fans:																	
Cooling	<input type="checkbox"/>	Jan	<input type="checkbox"/>	Feb	<input type="checkbox"/>	Mar	<input type="checkbox"/>	Apr	<input type="checkbox"/>	May	<input checked="" type="checkbox"/>	Jun	<input checked="" type="checkbox"/>	Jul	<input checked="" type="checkbox"/>	Aug	<input checked="" type="checkbox"/>	Sep	<input type="checkbox"/>	Oct	<input type="checkbox"/>	Nov	<input type="checkbox"/>	Dec
Heating	<input checked="" type="checkbox"/>	Jan	<input checked="" type="checkbox"/>	Feb	<input checked="" type="checkbox"/>	Mar	<input checked="" type="checkbox"/>	Apr	<input type="checkbox"/>	May	<input type="checkbox"/>	Jun	<input type="checkbox"/>	Jul	<input type="checkbox"/>	Aug	<input type="checkbox"/>	Sep	<input type="checkbox"/>	Oct	<input checked="" type="checkbox"/>	Nov	<input checked="" type="checkbox"/>	Dec
Venting	<input type="checkbox"/>	Jan	<input type="checkbox"/>	Feb	<input checked="" type="checkbox"/>	Mar	<input checked="" type="checkbox"/>	Apr	<input type="checkbox"/>	May	<input type="checkbox"/>	Jun	<input type="checkbox"/>	Jul	<input type="checkbox"/>	Aug	<input type="checkbox"/>	Sep	<input checked="" type="checkbox"/>	Oct	<input checked="" type="checkbox"/>	Nov	<input checked="" type="checkbox"/>	Dec

## INPUT SUMMARY CHECKLIST REPORT

Thermostat Schedule: HERS 2006 Reference		Hours											
Schedule Type		1	2	3	4	5	6	7	8	9	10	11	12
Cooling (WD)	AM	78	78	78	78	78	78	78	78	80	80	80	80
	PM	80	80	78	78	78	78	78	78	78	78	78	78
Cooling (WEH)	AM	78	78	78	78	78	78	78	78	78	78	78	78
	PM	78	78	78	78	78	78	78	78	78	78	78	78
Heating (WD)	AM	66	66	66	66	66	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	66	66
Heating (WEH)	AM	66	66	66	66	66	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	66	66
MASS													
Mass Type		Area		Thickness		Furniture Fraction		Space					
Default(8 lbs/sq.ft.		0 ft²		0 ft		0.3		Main					

## ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

**ESTIMATED ENERGY PERFORMANCE INDEX\* = 96**

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

1. New home or, addition	1. <u>New (From Plans)</u>	12. Ducts, location & insulation level
2. Single-family or multiple-family	2. <u>Single-family</u>	a) Supply ducts R <u>6.0</u>
3. No. of units (if multiple-family)	3. <u>1</u>	b) Return ducts R <u>6.0</u>
4. Number of bedrooms	4. <u>4</u>	c) AHU location <u>Garage</u>
5. Is this a worst case? (yes/no)	5. <u>No</u>	13. Cooling system: Capacity <u>23.1</u>
6. Conditioned floor area (sq. ft.)	6. <u>1880</u>	a) Split system SEER <u>        </u>
7. Windows, type and area		b) Single package SEER <u>        </u>
a) U-factor:(weighted average)	7a. <u>0.360</u>	c) Ground/water source SEER/COP <u>        </u>
b) Solar Heat Gain Coefficient (SHGC)	7b. <u>0.250</u>	d) Room unit/PTAC EER <u>        </u>
c) Area	7c. <u>280.8</u>	e) Other <u>14.0</u>
8. Skylights		14. Heating system: Capacity <u>26.9</u>
a) U-factor:(weighted average)	8a. <u>NA</u>	a) Split system heat pump HSPF <u>        </u>
b) Solar Heat Gain Coefficient (SHGC)	8b. <u>NA</u>	b) Single package heat pump HSPF <u>        </u>
9. Floor type, insulation level:		c) Electric resistance COP <u>        </u>
a) Slab-on-grade (R-value)	9a. <u>0.0</u>	d) Gas furnace, natural gas AFUE <u>        </u>
b) Wood, raised (R-value)	9b. <u>        </u>	e) Gas furnace, LPG AFUE <u>        </u>
c) Concrete, raised (R-value)	9c. <u>        </u>	f) Other <u>8.20</u>
10. Wall type and insulation:		15. Water heating system
A. Exterior:		a) Electric resistance EF <u>0.92</u>
1. Wood frame (Insulation R-value)	10A1. <u>13.0</u>	b) Gas fired, natural gas EF <u>        </u>
2. Masonry (Insulation R-value)	10A2. <u>        </u>	c) Gas fired, LPG EF <u>        </u>
B. Adjacent:		d) Solar system with tank EF <u>        </u>
1. Wood frame (Insulation R-value)	10B1. <u>13.0</u>	e) Dedicated heat pump with tank EF <u>        </u>
2. Masonry (Insulation R-value)	10B2. <u>        </u>	f) Heat recovery unit HeatRec% <u>        </u>
11. Ceiling type and insulation level		g) Other <u>        </u>
a) Under attic	11a. <u>38.0</u>	16. HVAC credits claimed (Performance Method)
b) Single assembly	11b. <u>        </u>	a) Ceiling fans <u>Yes</u>
c) Knee walls/skylight walls	11c. <u>        </u>	b) Cross ventilation <u>Yes</u>
d) Radiant barrier installed	11d. <u>Yes</u>	c) Whole house fan <u>No</u>
		d) Multizone cooling credit <u>        </u>
		e) Multizone heating credit <u>        </u>
		f) Programmable thermostat <u>Yes</u>

\*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 32025

# 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: Gibraltar Contracting, Inc. Community: \_\_\_\_\_ Lot: 57

Address: \_\_\_\_\_

City: Lake City State: FL Zip: 32025

#### 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): 5.000

$$\frac{\text{CFM}(50)}{\text{Building Volume}} \times 60 \div \frac{16920}{\text{ACH}(50)} = \text{ACH}(50)$$



**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 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.

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

N/A

Project Title:  
Lot 57 Emerald Cove

Lake City, FL 32025

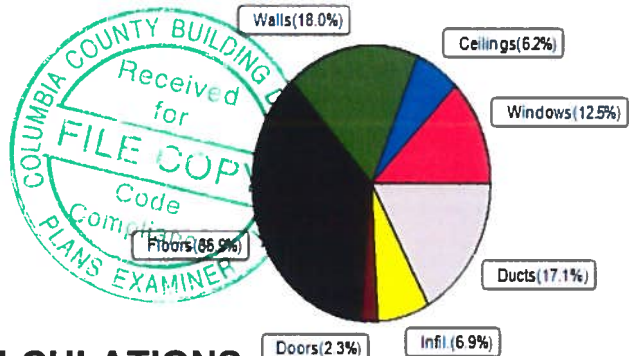
6/17/2019

Location for weather data: Gainesville, FL - Defaults: Latitude(29.7) Altitude(152 ft.) Temp Range(M)			
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(51gr.)			
Winter design temperature(TMY3 99%)	30 F	Summer design temperature(TMY3 99%)	94 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	40 F	Summer temperature difference	19 F
<b>Total heating load calculation</b>	<b>32240 Btuh</b>	<b>Total cooling load calculation</b>	<b>21266 Btuh</b>
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	83.5 26912	Sensible (SHR = 0.85)	110.3 19602
Heat Pump + Auxiliary(0.0kW)	83.5 26912	Latent	98.9 3459
		Total (Electric Heat Pump)	108.4 23061

## WINTER CALCULATIONS

Winter Heating Load (for 1880 sqft)

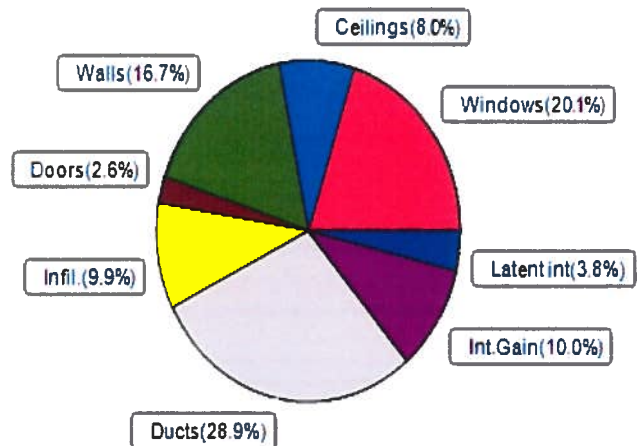
Load component		Load
Window total	281 sqft	4044 Btuh
Wall total	1638 sqft	5816 Btuh
Door total	40 sqft	736 Btuh
Ceiling total	1974 sqft	2004 Btuh
Floor total	1880 sqft	11894 Btuh
Infiltration	51 cfm	2228 Btuh
Duct loss		5518 Btuh
<b>Subtotal</b>		<b>32240 Btuh</b>
Ventilation	0 cfm	0 Btuh
<b>TOTAL HEAT LOSS</b>		<b>32240 Btuh</b>



## SUMMER CALCULATIONS

Summer Cooling Load (for 1880 sqft)

Load component		Load
Window total	281 sqft	4281 Btuh
Wall total	1638 sqft	3551 Btuh
Door total	40 sqft	552 Btuh
Ceiling total	1974 sqft	1703 Btuh
Floor total		0 Btuh
Infiltration	38 cfm	794 Btuh
Internal gain		2120 Btuh
Duct gain		4765 Btuh
Sens. Ventilation	0 cfm	0 Btuh
Blower Load		0 Btuh
<b>Total sensible gain</b>		<b>17766 Btuh</b>
Latent gain(ducts)		1382 Btuh
Latent gain(infiltration)		1317 Btuh
Latent gain(ventilation)		0 Btuh
Latent gain(internal/occupants/other)		800 Btuh
<b>Total latent gain</b>		<b>3499 Btuh</b>
<b>TOTAL HEAT GAIN</b>		<b>21266 Btuh</b>



8th Edition

EnergyGauge® System Sizing

PREPARED BY:

DATE:

*[Signature]*  
6/18/2019

# System Sizing Calculations - Winter

## Residential Load - Whole House Component Details

N/A

Lake City, FL 32025

Project Title:  
Lot 57 Emerald Cove  
Building Type: User

6/17/2019

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 0.25	Vinyl	0.36	S	16.0		14.4	230 Btuh
2	2, NFRC 0.25	Vinyl	0.36	S	13.3		14.4	192 Btuh
3	2, NFRC 0.25	Vinyl	0.36	S	5.0		14.4	72 Btuh
4	2, NFRC 0.25	Vinyl	0.36	S	36.0		14.4	518 Btuh
5	2, NFRC 0.25	Vinyl	0.36	E	15.0		14.4	216 Btuh
6	2, NFRC 0.25	Vinyl	0.36	N	15.0		14.4	216 Btuh
7	2, NFRC 0.25	Vinyl	0.36	N	62.5		14.4	900 Btuh
8	2, NFRC 0.25	Vinyl	0.36	W	20.0		14.4	288 Btuh
9	2, NFRC 0.25	Vinyl	0.36	N	72.0		14.4	1037 Btuh
10	2, NFRC 0.25	Vinyl	0.36	E	20.0		14.4	288 Btuh
11	2, NFRC 0.25	Vinyl	0.36	W	6.0		14.4	86 Btuh
	Window Total				280.8(sqft)			4044 Btuh
Walls	Type	Ornt.	Ueff.	R-Value (Cav/Sh)	Area	X	HTM=	Load
1	Frame - Wood	- Ext	(0.089)	13.0/0.0	113		3.55	401 Btuh
2	Frame - Wood	- Ext	(0.089)	13.0/0.0	25		3.55	89 Btuh
3	Frame - Wood	- Adj	(0.089)	13.0/0.0	93		3.55	330 Btuh
4	Frame - Wood	- Adj	(0.089)	13.0/0.0	178		3.55	632 Btuh
5	Frame - Wood	- Ext	(0.089)	13.0/0.0	258		3.55	916 Btuh
6	Frame - Wood	- Ext	(0.089)	13.0/0.0	281		3.55	998 Btuh
7	Frame - Wood	- Ext	(0.089)	13.0/0.0	45		3.55	160 Btuh
8	Frame - Wood	- Ext	(0.089)	13.0/0.0	60		3.55	213 Btuh
9	Frame - Wood	- Ext	(0.089)	13.0/0.0	93		3.55	330 Btuh
10	Frame - Wood	- Ext	(0.089)	13.0/0.0	60		3.55	213 Btuh
11	Frame - Wood	- Ext	(0.089)	13.0/0.0	332		3.55	1177 Btuh
12	Frame - Wood	- Ext	(0.089)	13.0/0.0	101		3.55	357 Btuh
	Wall Total				1638(sqft)			5816 Btuh
Doors	Type	Storm	Ueff.		Area	X	HTM=	Load
1	Insulated - Exterior, n		(0.460)		20		18.4	368 Btuh
2	Insulated - Garage, n		(0.460)		20		18.4	368 Btuh
	Door Total				40(sqft)			736Btuh
Ceilings	Type/Color/Surface		Ueff.	R-Value	Area	X	HTM=	Load
1	Vented Attic/L/Shing		(0.025)	38.0/0.0	1974		1.0	2004 Btuh
	Ceiling Total				1974(sqft)			2004Btuh
Floors	Type		Ueff.	R-Value	Size	X	HTM=	Load
1	Slab On Grade		(1.180)	0.0	252.0 ft(perim.)		47.2	11894 Btuh
	Floor Total				1880 sqft			11894 Btuh
	Envelope Subtotal:							24494 Btuh
Infiltration	Type	Wholehouse	ACH	Volume(cuft)	Wall Ratio	CFM=		
	Natural		0.18	16920	1.00	50.9		2228 Btuh

# Manual J Winter Calculations

## Residential Load - Component Details (continued)

N/A

Lake City, FL 32025

Project Title:  
Lot 57 Emerald Cove  
Building Type: User

6/17/2019

<b>Duct load</b>	Average sealed, R6.0, Supply(Att), Return(Att) (DLM of 0.206)	5518 Btuh
<b>All Zones</b>	<b>Sensible Subtotal All Zones</b>	<b>32240 Btuh</b>

### WHOLE HOUSE TOTALS

<b>Totals for Heating</b>	Subtotal Sensible Heat Loss Ventilation Sensible Heat Loss Total Heat Loss	32240 Btuh 0 Btuh 32240 Btuh
---------------------------	--	------------------------------------

### EQUIPMENT

1. Electric Heat Pump	#	26912 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

N/A

Project Title:  
Lot 57 Emerald Cove

Lake City, FL 32025

6/17/2019

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	0.25, 0.36	No	No	S		1.0ft.	1.0ft.	16.0	16.0	0.0	12	14	194	Btuh	
2	2 NFRC	0.25, 0.36	No	No	S		7.5ft.	1.5ft.	13.3	13.3	0.0	12	14	161	Btuh	
3	2 NFRC	0.25, 0.36	No	No	S		7.5ft.	0.5ft.	5.0	5.0	0.0	12	14	60	Btuh	
4	2 NFRC	0.25, 0.36	No	No	S		1.5ft.	1.0ft.	36.0	36.0	0.0	12	14	436	Btuh	
5	2 NFRC	0.25, 0.36	No	No	E		1.5ft.	1.0ft.	15.0	0.7	14.3	12	31	450	Btuh	
6	2 NFRC	0.25, 0.36	No	No	N		1.5ft.	1.0ft.	15.0	0.0	15.0	12	12	181	Btuh	
7	2 NFRC	0.25, 0.36	No	No	N		1.5ft.	1.0ft.	62.5	0.0	62.5	12	12	756	Btuh	
8	2 NFRC	0.25, 0.36	No	No	W		6.0ft.	1.0ft.	20.0	11.9	8.1	12	31	394	Btuh	
9	2 NFRC	0.25, 0.36	No	No	N		9.5ft.	1.0ft.	72.0	0.0	72.0	12	12	871	Btuh	
10	2 NFRC	0.25, 0.36	No	No	E		1.5ft.	1.0ft.	20.0	1.0	19.0	12	31	600	Btuh	
11	2 NFRC	0.25, 0.36	No	No	W		1.5ft.	1.0ft.	6.0	0.5	5.5	12	31	176	Btuh	
Window Total									281 (sqft)					4281 Btuh		
Walls	Type						U-Value	R-Value	Area(sqft)		HTM		Load			
								Cav/Sheath								
1	Frame - Wood - Ext						0.09	13.0/0.0	113.0		2.3		256 Btuh			
2	Frame - Wood - Ext						0.09	13.0/0.0	25.0		2.3		57 Btuh			
3	Frame - Wood - Adj						0.09	13.0/0.0	93.0		1.7		157 Btuh			
4	Frame - Wood - Adj						0.09	13.0/0.0	178.0		1.7		300 Btuh			
5	Frame - Wood - Ext						0.09	13.0/0.0	258.0		2.3		584 Btuh			
6	Frame - Wood - Ext						0.09	13.0/0.0	281.0		2.3		636 Btuh			
7	Frame - Wood - Ext						0.09	13.0/0.0	45.0		2.3		102 Btuh			
8	Frame - Wood - Ext						0.09	13.0/0.0	60.0		2.3		136 Btuh			
9	Frame - Wood - Ext						0.09	13.0/0.0	93.0		2.3		210 Btuh			
10	Frame - Wood - Ext						0.09	13.0/0.0	60.0		2.3		136 Btuh			
11	Frame - Wood - Ext						0.09	13.0/0.0	331.5		2.3		750 Btuh			
12	Frame - Wood - Ext						0.09	13.0/0.0	100.7		2.3		228 Btuh			
Wall Total									1638 (sqft)					3551 Btuh		
Doors	Type								Area (sqft)		HTM		Load			
1	Insulated - Exterior								20.0		13.8		276 Btuh			
2	Insulated - Garage								20.0		13.8		276 Btuh			
Door Total									40 (sqft)					552 Btuh		
Ceilings	Type/Color/Surface						U-Value	R-Value	Area(sqft)		HTM		Load			
1	Vented AtticLight/Shingle/RB						0.025	38.0/0.0	1974.0		0.86		1703 Btuh			
Ceiling Total									1974 (sqft)					1703 Btuh		
Floors	Type								R-Value		Size		HTM		Load	
1	Slab On Grade								0.0		1880 (ft-perimeter)		0.0		0 Btuh	
Floor Total									1880.0 (sqft)					0 Btuh		
Envelope Subtotal:														10087 Btuh		

# Manual J Summer Calculations

## Residential Load - Component Details (continued)

N/A

Project Title: Climate:FL\_GAINESVILLE\_REGIONAL\_A  
Lot 57 Emerald Cove

Lake City, FL 32025

6/17/2019

<b>Infiltration</b>	Type Natural	Average ACH 0.14	Volume(cuft) 16920	Wall Ratio 1	CFM= 38.2	Load 794 Btuh
<b>Internal gain</b>		Occupants 4	Btuh/occupant X 230	Appliance +	1200	Load 2120 Btuh
					Sensible Envelope Load:	13001 Btuh
<b>Duct load</b>	Average sealed,Supply(R6.0-Attic), Return(R6.0-Attic)				(DGM of 0.367)	4765 Btuh
					<b>Sensible Load All Zones</b>	<b>17766 Btuh</b>

# Manual J Summer Calculations

## Residential Load - Component Details (continued)

N/A

Project Title: Climate:FL\_GAINESVILLE\_REGIONAL\_A  
Lot 57 Emerald Cove

Lake City, FL 32025

6/17/2019

### WHOLE HOUSE TOTALS

<b>Whole House Totals for Cooling</b>	<b>Sensible Envelope Load All Zones</b>	<b>13001 Btuh</b>
	Sensible Duct Load	4765 Btuh
	<b>Total Sensible Zone Loads</b>	<b>17766 Btuh</b>
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	<b>Total sensible gain</b>	<b>17766 Btuh</b>
	Latent infiltration gain (for 51 gr. humidity difference)	1317 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	1382 Btuh
	Latent occupant gain (4.0 people @ 200 Btuh per person)	800 Btuh
	Latent other gain	0 Btuh
	<b>Latent total gain</b>	<b>3499 Btuh</b>
	<b>TOTAL GAIN</b>	<b>21266 Btuh</b>

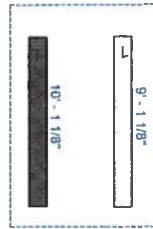
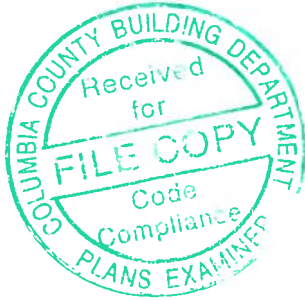
### EQUIPMENT

1. Central Unit	#	23061 Btuh
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\*Key: Window types (Panels - 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

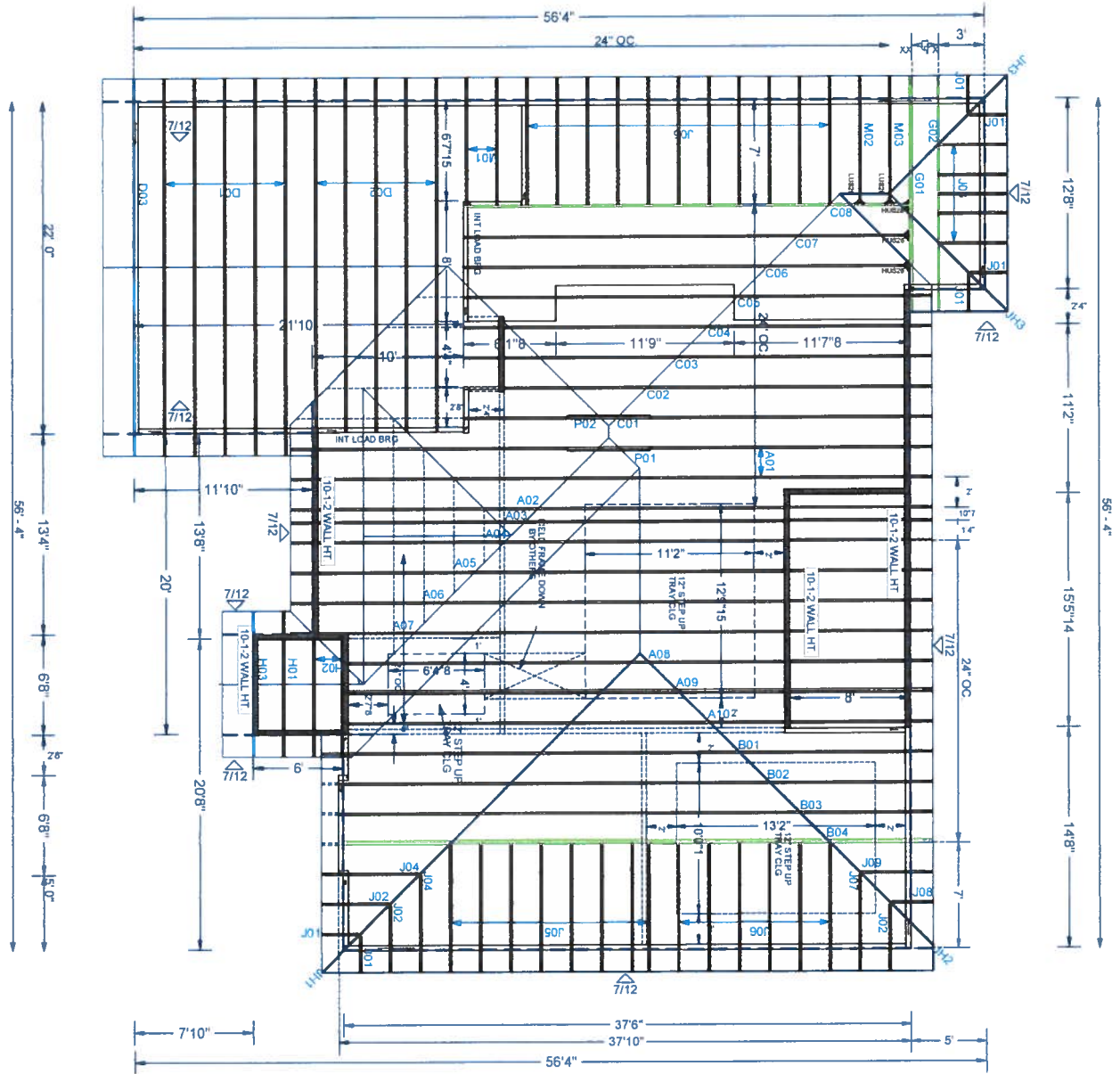



Do not cut, trim, drill holes, plane or in any way alter trusses without first contacting Howland Truss, and obtaining an engineered repair drawing.

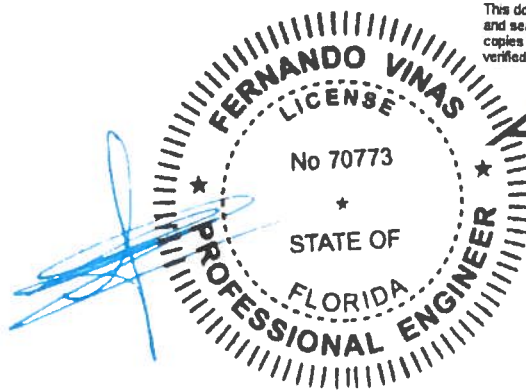
(5) TRUSS TO TRUSS CONNECTIONS:  
 2 HUS26 / C06 & C07 TO G01  
 1 HUS28 / C08 TO G01  
 2 HUS26 / M02 & M03 TO C08

DATE: 6/18/18  
 ROOF PITCH: 7/12  
 CLG PITCH: 9 & 10' w/ 12" STEP UP TRAYS  
 OVERHANG: 18" PL  
 LOADING: 40 PSF  
 WIND LOAD: 130 MPH  
 EXPOSURE: C  
 EXT WALLS: 2 X 4 X 9' & 10'

W.B. Howland Truss Co.  
 P.O. Box 700  
 Live Oak, FL 32064  
 (386)362-1235  
 (386)362-7124 (fax)



PAGE NO: 1 OF 1	JOB NO: 19-3276	Job Name: LOT 57 EMERALD COVE Customer: Gibraltar Contr. Designer: Bob Glover ADDRESS: SALESMAN: RL : <Not Found>	JOB #: 19-3276	
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**ALPINE**  
AN ITW COMPANY  
#0-278  
06/20/2019

Alpine, an ITW Company  
6750 Forum Drive, Suite 305  
Orlando, FL 32821  
Phone: (800)755-6001  
www.alpineitw.com

<b>Site Information:</b>	<b>Page 1:</b>
Customer: W. B. Howland Company, Inc.	Job Number: 19-3276
Job Description: /LOT 57 EMERALD COVE /Gibraltar Contr.	
Address: FL	

<b>Job Engineering Criteria:</b>	
Design Code: FBC 2017 RES	IntelliVIEW Version: 18.02.01 JRef #: 1WM32150001
Wind Standard: ASCE 7-10	Roof Load (psf): 20.00-10.00- 0.00-10.00
Wind Speed (mph): 130	Floor Load (psf): None

This package contains general notes pages, 47 truss drawing(s) and 4 detail(s).

Item	Seal #	Truss
1	170.19.1322.00637	A01
3	170.19.1322.16217	A03
5	170.19.1322.34167	A05
7	170.19.1322.46203	A07
9	170.19.1322.56630	A09
11	170.19.1323.08163	B01
13	170.19.1323.20203	B03
15	170.19.1323.49913	C01
17	170.19.1323.54917	C03
19	170.19.1324.00060	C05
21	170.19.1324.09257	C07
23	170.19.1325.52397	D01
25	170.19.1325.58117	D03
27	170.19.1326.22203	G02
29	170.19.1326.27947	H02
31	170.19.1327.08630	J01
33	170.19.1327.16620	J03
35	170.19.1327.24450	J05
37	170.19.1327.33330	J07
39	170.19.1327.49223	J09
41	170.19.1328.07817	JH2
43	170.19.1328.17637	M01
45	170.19.1328.28587	M03
47	170.19.1328.37403	P02

Item	Seal #	Truss
2	170.19.1322.09470	A02
4	170.19.1322.26753	A04
6	170.19.1322.39207	A06
8	170.19.1322.51160	A08
10	170.19.1323.02483	A10
12	170.19.1323.15140	B02
14	170.19.1323.39927	B04
16	170.19.1323.52703	C02
18	170.19.1323.57007	C04
20	170.19.1324.03340	C06
22	170.19.1325.49920	C08
24	170.19.1325.55023	D02
26	170.19.1326.12780	G01
28	170.19.1326.25753	H01
30	170.19.1326.58687	H03
32	170.19.1327.12700	J02
34	170.19.1327.20767	J04
36	170.19.1327.29563	J06
38	170.19.1327.37277	J08
40	170.19.1327.59093	JH1
42	170.19.1328.15000	JH3
44	170.19.1328.23987	M02
46	170.19.1328.31653	P01

## **General Notes**

### **Truss Design Engineer Scope of Work, Design Assumptions and Design Responsibilities:**

The design responsibilities assumed in the preparation of these design drawings are those specified in ANSI/TPI 1, Chapter 2; and the National Design Standard for Metal Plate Connected Wood Truss Construction, by the Truss Plate Institute. The truss component designs conform to the applicable provisions of ANSI/TPI 1 and NDS, the National Design Specification for Wood Construction by AF&PA. The truss component designs are based on the specified loading and dimension information furnished by others to the Truss Design Engineer. The Truss Design Engineer has no duty to independently verify the accuracy or completeness of the information provided by others and may rely on that information without liability. The responsibility for verification of that information remains with others neither employed nor controlled by the Truss Design Engineer. The Truss Design Engineer's seal and signature on the attached drawings, or cover page listing these drawings, indicates acceptance of professional engineering responsibility solely for the truss component designs and not for the technical information furnished by others which technical information and consequences thereof remain their sole responsibility.

The suitability and use of these drawings for any particular structure is the responsibility of the Building Designer in accordance with ANSI/TPI 1 Chapter 2. The Building Designer is responsible for determining that the dimensions and loads for each truss component match those required by the plans and by the actual use of the individual component, and for ascertaining that the loads shown on the drawings meet or exceed applicable building code requirements and any additional factors required in the particular application. Truss components using metal connector plates with integral teeth shall not be placed in environments that will cause the moisture content of the wood in which plates are embedded to exceed 19% and/or cause corrosion of connector plates and other metal fasteners.

The Truss Design Engineer shall not be responsible for items beyond the specific scope of the agreed contracted work set forth herein, including but not limited to: verifying the dimensions of the truss component, calculation of any of the truss component design loads, inspection of the truss components before or after installation, the design of temporary or permanent bracing and their attachment required in the roof and/or floor systems, the design of diaphragms or shear walls, the design of load transfer connections to and from diaphragms and shear walls, the design of load transfer to the foundation, the design of connections for truss components to their bearing supports, the design of the bearing supports, installation of the truss components, observation of the truss component installation process, review of truss assembly procedures, sequencing of the truss component installation, construction means and methods, site and/or worker safety in the installation of the truss components and/or its connections.

This document may be a high quality facsimile of the original engineering document which is a digitally signed electronic file with third party authentication. A wet or embossed seal copy of this engineering document is available upon request.

### **Temporary Lateral Restraint and Bracing:**

Temporary lateral restraint and diagonal bracing shall be installed according to the provisions of BCSI chapters B1, B2, B7 and/or B10 (Building Component Safety Information, by TPI and SBCA), or as specified by the Building Designer or other Registered Design Professional. The required locations for lateral restraint and/or bracing depicted on these drawings are only for the permanent lateral support of the truss members to reduce buckling lengths, and do not apply to and may not be relied upon for the temporary stability of the truss components during their installation.

### **Permanent Lateral Restraint and Bracing:**

The required locations for lateral restraint or bracing depicted on these drawings are for the permanent lateral support of the truss members to reduce buckling lengths. Permanent lateral support shall be installed according to the provisions of BCSI chapters B3, B7 and/or B10, or as specified by the Building Designer or other Registered Design Professional. These drawings do not depict or specify installation/erection bracing, wind bracing, portal bracing or similar building stability bracing which are parts of the overall building design to be specified, designed and detailed by the Building Designer.

### **Connector Plate Information:**

Alpine connector plates are made of ASTM A653 or ASTM A1063 galvanized steel with the following designations, gauges and grades: W=Wave, 20ga, grade 40; H=High Strength, 20ga, grade 60; S=Super Strength, 18ga, grade 60. Information on model code compliance is contained in the ICC Evaluation Service report ESR-1118, available on-line at [www.icc-es.org](http://www.icc-es.org).

## **General Notes** (continued)

### **Key to Terms:**

Information provided on drawings reflects a summary of the pertinent information required for the truss design. Detailed information on load cases, reactions, member lengths, forces and members requiring permanent lateral support may be found in calculation sheets available upon written request.

BCDL = Bottom Chord standard design Dead Load in pounds per square foot.

BCLL = Bottom Chord standard design Live Load in pounds per square foot.

Des Ld = total of TCDL, TCDL, BCLL and BCDL Design Load in pounds per square foot.

HORZ(LL) = maximum Horizontal panel point deflection due to Live Load, in inches.

HORZ(TL) = maximum Horizontal panel point long term deflection in inches, due to Total Load, including creep adjustment.

HPL = additional Horizontal Load added to a truss Piece in pounds per linear foot or pounds.

L/# = user specified divisor for limiting span/deflection ratio for evaluation of actual L/defl value.

L/defl = ratio of Length between bearings, in inches, divided by the immediate vertical Deflection, in inches, at the referenced panel point. Reported as 999 if greater than or equal to 999.

Loc = Location, starting location of left end of bearing or panel point (joint) location of deflection.

Max BC CSI = Maximum bending and axial Combined Stress Index for Bottom Chords for of all load cases.

Max TC CSI = Maximum bending and axial Combined Stress Index for Top Chords for of all load cases.

Max Web CSI = Maximum bending and axial Combined Stress Index for Webs for of all load cases.

NCBCLL = Non-Concurrent Bottom Chord design Live Load in pounds per square foot.

PL = additional Load applied at a user specified angle on a truss Piece in pounds per linear foot or pounds.

PLB = additional vertical load added to a Bottom chord Piece of a truss in pounds per linear foot or pounds

PLT = additional vertical load added to a Top chord Piece of a truss in pounds per linear foot or pounds.

PP = Panel Point.

R = maximum downward design Reaction, in pounds, from all specified gravity load cases, at the indicated location (Loc).

-R = maximum upward design Reaction, in pounds, from all specified gravity load cases, at the identified location (Loc).

Rh = maximum horizontal design Reaction in either direction, in pounds, from all specified gravity load cases, at the indicated location (Loc).

RL = maximum horizontal design Reaction in either direction, in pounds, from all specified non-gravity (wind or seismic) load cases, at the indicated location (Loc).

Rw = maximum downward design Reaction, in pounds, from all specified non-gravity (wind or seismic) load cases, at the identified location (Loc).

TCDL = Top Chord standard design Dead Load in pounds per square foot.

TCLL = Top Chord standard design Live Load in pounds per square foot.

U = maximum Upward design reaction, in pounds, from all specified non-gravity (wind or seismic) load cases, at the indicated location (Loc).

VERT(CL) = maximum Vertical panel point deflection in inches due to Live Load and Creep Component of Dead Load in inches.

VERT(LL) = maximum Vertical panel point deflection in inches due to Live Load.

VERT(TL) = maximum Vertical panel point long term deflection in inches due to Total load, including creep adjustment.

W = Width of non-hanger bearing, in inches.

Refer to ASCE-7 for Wind and Seismic abbreviations.

Uppercase Acronyms not explained above are as defined in TPI 1.

### **References:**

1. AF&PA: American Forest & Paper Association, 1111 19<sup>th</sup> Street, NW, Suite 800, Washington, DC 20036; [www.afandpa.org](http://www.afandpa.org).

2. ICC: International Code Council; [www.iccsafe.org](http://www.iccsafe.org).

3. Alpine, a division of ITW Building Components Group Inc.: 13723 Riverport Drive, Suite 200, Maryland Heights, MO 63043; [www.alpineitw.com](http://www.alpineitw.com).

4. TPI: Truss Plate Institute, 218 North Lee Street, Suite 312, Alexandria, VA 22314; [www.tpinst.org](http://www.tpinst.org).

5. SBCA: Wood Truss Council of America, 6300 Enterprise Lane, Madison, WI 53719; [www.sbcindustry.co](http://www.sbcindustry.co)