



# COLUMBIA COUNTY BUILDING DEPARTMENT

135 NE Hernando Ave., Suite B-21, Lake City, FL 32055

Office: 386-758-1008 Fax: 386-758-2160

[www.columbiacountyfla.com/BuildingandZoning.asp](http://www.columbiacountyfla.com/BuildingandZoning.asp)

## NEW CONSTRUCTION RESIDENTIAL OR COMMERCIAL

Submit Permit Applications Online at: <https://www.columbiacountyfla.com/PermitSearch/MyBNZPortalLogin.aspx>

2<sup>nd</sup> pg Permit Application with *PROPERTY OWNER'S Signature & Notarized Contractor Signature* + \$15.00  
*The Deeded Property owner must sign page 2 of the Application. If the customer has a **notarized Power of Attorney** from the Deeded Property Owner, then that named person can sign for the owner.*

1 -Notes:

Subcontractors Verification Form, **signed** by the license holder/contractor that is subcontracted the job.

2 -Notes:

License Holders (Contractors) must complete a "Letter of Authorization" for who signs the permit.

3 -Notes:

If an Owner Builder, Notarized Disclosure Statement (Owner Builders must sign for the Permit)

4 -Notes:

Recorded deed or Property Appraiser's parcel details printout; **and if**

5 -Notes:

Owner is Corporation or Trust, **provide** corporate articles listing the signor, trust executor or POA forms.

6 -Notes:

Site plan with actual distances of the structure to each property line

8 -Notes:

911 Address form, Phone 386-758-1125 #1 ALL CONSTRUCTION REQUIRES VERIFICATION

9 -Notes:

Residential or Commercial Checklist completed including Product Approval Code Spec sheet.

10 -Notes:

Recorded Notice of Commencement; before the 1<sup>st</sup> inspection.

11 -Notes:

2 sets of plans (blueprints) folded to 9 x 12 size with Signed & Sealed Engineering

13 -Notes:

2 sets of Signed & Sealed truss engineering, if not included within the building blueprints

45 -Notes:

2 sets of energy code & Manual J forms, if required.

15 -Notes:

Provide information on Development Permits/Zoning Applications applied for, if applicable.

16 -Notes:

### **Needed AFTER Zoning Review and Approval has been allowed for this project.**

Approved and Signed Site Plan from Environmental Health on the septic 386-758-1058

Notes:

New Wells need a letter from the well driller (Well Letter); **or** if on City Water provide City Water Letter;  
**or** if the property is in the Ellisville Water System area contact 386-719-7565 for review.

Notes:

**Applications mailed, include the \$15.00 fee, checks to BCC or Board of County Commissioners.**

**Columbia County New Building Permit Application**

<b>For Office Use Only</b>	Application # _____	Date Received _____	By _____	Permit # _____
Zoning Official _____	Date _____	Flood Zone _____	Land Use _____	Zoning _____
FEMA Map # _____	Elevation _____	MFE _____	River _____	Plans Examiner _____
Date _____				
Comments _____				
<input type="checkbox"/> NOC <input type="checkbox"/> EH <input type="checkbox"/> Deed or PA <input type="checkbox"/> Site Plan <input type="checkbox"/> State Road Info <input type="checkbox"/> Well letter <input type="checkbox"/> 911 Sheet <input type="checkbox"/> Parent Parcel # _____				
<input type="checkbox"/> Dev Permit # _____ <input type="checkbox"/> In Floodway <input type="checkbox"/> Letter of Auth. from Contractor <input type="checkbox"/> F W Comp. letter				
<input type="checkbox"/> Owner Builder Disclosure Statement <input type="checkbox"/> Land Owner Affidavit <input type="checkbox"/> Ellisville Water <input type="checkbox"/> App Fee Paid <input type="checkbox"/> Sub VF Form				

Septic Permit No. \_\_\_\_\_ OR City Water \_\_\_\_\_ Fax \_\_\_\_\_

Applicant (Who will sign/pickup the permit) \_\_\_\_\_ Phone \_\_\_\_\_

Address \_\_\_\_\_

Owners Name \_\_\_\_\_ Phone \_\_\_\_\_

911 Address \_\_\_\_\_

Contractors Name \_\_\_\_\_ Phone \_\_\_\_\_

Address \_\_\_\_\_

Contractor Email \_\_\_\_\_ \*\*\*Include to get updates on this job.

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

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

Architect/Engineer Name & Address \_\_\_\_\_

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

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

Property ID Number \_\_\_\_\_ Estimated Construction Cost \_\_\_\_\_

Subdivision Name \_\_\_\_\_ Lot \_\_\_\_\_ Block \_\_\_\_\_ Unit \_\_\_\_\_ Phase \_\_\_\_\_

Driving Directions from a Major Road \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Construction of \_\_\_\_\_ Commercial OR \_\_\_\_\_ Residential

Proposed Use/Occupancy \_\_\_\_\_ Number of Existing Dwellings on Property \_\_\_\_\_

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

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

Actual Distance of Structure from Property Lines - Front \_\_\_\_\_ Side \_\_\_\_\_ Side \_\_\_\_\_ Rear \_\_\_\_\_

Number of Stories \_\_\_\_\_ Heated Floor Area \_\_\_\_\_ Total Floor Area \_\_\_\_\_ Acreage \_\_\_\_\_

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

\_\_\_\_\_

**CODES: 2020 Florida Building Code 7<sup>th</sup> Edition and the 2017 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.

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

\_\_\_\_\_  
**Printed Owners Name**

\_\_\_\_\_  
**Owners Signature**

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

\_\_\_\_\_  
**Contractor’s Signature**

**Contractor’s License Number** \_\_\_\_\_  
**Columbia County**  
**Competency Card Number** \_\_\_\_\_

Affirmed and subscribed before me the **Contractor** by means of \_\_\_\_ physical presence or \_\_\_\_ online notarization, this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, who was personally known \_\_\_\_\_ or produced ID \_\_\_\_\_

\_\_\_\_\_  
**State of Florida Notary Signature (For the Contractor)**

**SEAL:**

## SUBCONTRACTOR VERIFICATION

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

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

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

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

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

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

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

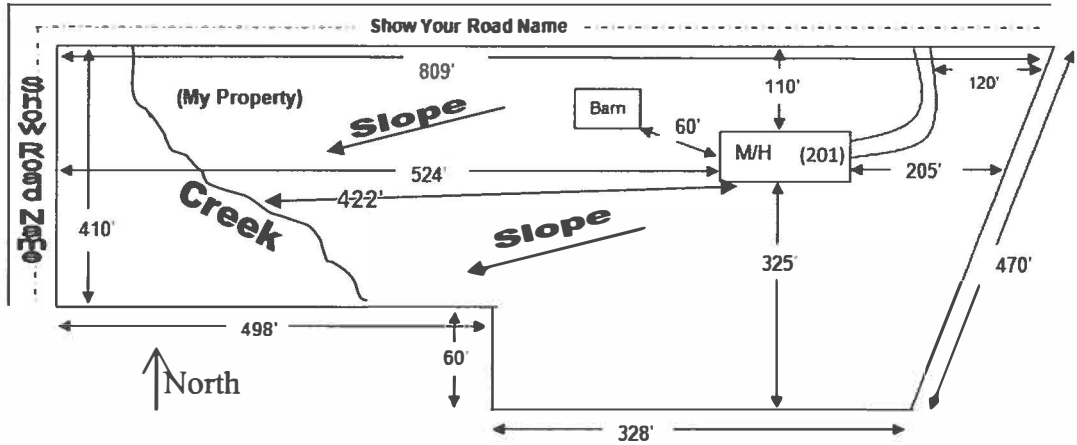
<b>ELECTRICAL</b> <input type="checkbox"/> CC# _____	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	<u>Need</u> <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
<b>MECHANICAL/A/C</b> <input type="checkbox"/> CC# _____	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	<u>Need</u> <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"/> CC# _____	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	<u>Need</u> <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"/> CC# _____	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	<u>Need</u> <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"/> CC# _____	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	<u>Need</u> <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"/> CC# _____	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	<u>Need</u> <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"/> CC# _____	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	<u>Need</u> <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"/> CC# _____	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	<u>Need</u> <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE

## SITE PLAN CHECKLIST

- ☐ 1) Property Dimensions
- ☐ 2) Footprint of proposed and existing structures (including decks), label these with existing addresses
- ☐ 3) Distance from structures to all property lines
- ☐ 4) Location and size of easements
- ☐ 5) Driveway path and distance at the entrance to the nearest property line
- ☐ 6) Location and distance from any waters; sink holes; wetlands; and etc.
- ☐ 7) Show slopes and or drainage paths
- ☐ 8) Arrow showing North direction

### SITE PLAN EXAMPLE

Revised 7/1/15



#### **NOTE:**

This site plan can be copied and used with the 911 Addressing Dept. application forms.



COLUMBIA COUNTY BUILDING DEPARTMENT  
135 NE Hernando Ave, Suite B-21, Lake City, FL 32055  
Phone: 386-758-1008 Fax: 386-758-2160

LETTER OF AUTHORIZATION TO SIGN FOR PERMITS

I, \_\_\_\_\_ (license holder name), licensed qualifier  
for \_\_\_\_\_ (company name), do certify that  
the below referenced person(s) listed on this form is/are contracted/hired by me, the license  
holder, or is/are employed by me directly or through an employee leasing arrangement; or, is an  
officer of the corporation; or, partner as defined in Florida Statutes Chapter 468, and the said  
person(s) is/are under my direct supervision and control and is/are authorized to purchase  
permits, call for inspections and sign on my behalf.

Printed Name of Person Authorized	Signature of Authorized Person
1.	1.
2.	2.
3.	3.
4.	4.
5.	5.

I, the license holder, realize that I am responsible for all permits purchased, and all work done  
under my license and fully responsible for compliance with all Florida Statutes, Codes, and  
Local Ordinances. I understand that the State and County Licensing Boards have the power and  
authority to discipline a license holder for violations committed by him/her, his/her agents,  
officers, or employees and that I have full responsibility for compliance with all statutes, codes  
and ordinances inherent in the privilege granted by issuance of such permits.

If at any time the person(s) you have authorized is/are no longer agents, employee(s), or  
officer(s), you must notify this department in writing of the changes and submit a new letter of  
authorization form, which will supersede all previous lists. Failure to do so may allow  
unauthorized persons to use your name and/or license number to obtain permits.

\_\_\_\_\_  
License Holders Signature (Notarized)      License Number      Date

NOTARY INFORMATION:

STATE OF: Florida COUNTY OF: \_\_\_\_\_

The above license holder, whose name is \_\_\_\_\_,  
personally appeared before me and is known by me or has produced identification  
(type of I.D.) \_\_\_\_\_ on this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

\_\_\_\_\_  
NOTARY'S SIGNATURE

(Seal/Stamp)

# NOTICE OF COMMENCEMENT

Tax Parcel Identification Number: \_\_\_\_\_

Clerk's Office Stamp

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*): \_\_\_\_\_  
a) Street (*job*) Address: \_\_\_\_\_
2. General description of improvements: \_\_\_\_\_
3. Owner Information or Lessee information if the Lessee contracted for the improvements:  
a) Name and address: \_\_\_\_\_  
b) Name and address of fee simple titleholder (if other than owner) \_\_\_\_\_  
c) Interest in property \_\_\_\_\_
4. Contractor Information  
a) Name and address: \_\_\_\_\_  
b) Telephone No.: \_\_\_\_\_
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(l)(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  
COUNTY OF COLUMBIA

10. \_\_\_\_\_  
Signature of Owner or Lessee, or Owner's or Lessee's Authorized Office/Director/Partner/Manager

\_\_\_\_\_  
Printed Name and Signatory's Title/Office

The foregoing instrument was acknowledged before me, a Florida Notary, this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, by:

\_\_\_\_\_ as \_\_\_\_\_ for \_\_\_\_\_  
(Name of Person) (Type of Authority) (name of party on behalf of whom instrument was executed)

Personally Known \_\_\_\_\_ OR Produced Identification \_\_\_\_\_ Type \_\_\_\_\_

Notary Signature \_\_\_\_\_ Notary Stamp or Seal: \_\_\_\_\_



# COLUMBIA COUNTY

## 911 ADDRESSING / GIS DEPARTMENT

P. O. Box 1787, Lake City, FL 32056-1787  
263 NW Lake City Ave., Lake City, FL 32055  
Telephone: (386) 758-1125 \* Fax: (386) 758-1365 \* Email: gis@columbiacountyfla.com



### Application for 9-1-1 Address Assignment Form

**NOTE: ADDRESS ASSIGNMENT MAY REQUIRE UP TO 10 WORKING DAYS.**  
**IF THE ADDRESSING DEPARTMENT NEEDS TO CONDUCT ON SITE GPS LOCATION**  
**IDENTIFICATION OR OTHER ACTIONS, ADDITIONAL TIME MAY BE REQUIRED.**

Date of Request: \_\_\_\_\_

REQUESTER Last Name: \_\_\_\_\_

First Name: \_\_\_\_\_

Contact Telephone Number: \_\_\_\_\_

(Cell Phone Number if Provided): \_\_\_\_\_

Requested for Self: \_\_\_\_\_ or Requested for Company: \_\_\_\_\_  
(check one)

If Address is Requested by a Company, Provide Name of Requesting Company:

\_\_\_\_\_

Parcel Identification Number: \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_

If in Subdivision, Provide Name Of Subdivision:

\_\_\_\_\_

Phase or Unit Number (if any): \_\_\_\_\_ Block Number (if any): \_\_\_\_\_

Lot Number: \_\_\_\_\_

**Attach Site Plan or you may use page 2 of Application Form for Site Plan:**

**Requirements for Site Plan Are Listed on page 2 of Application Form:**

**(NOTE: Site Plan Does NOT have to be a survey or to scale; FURTHER a**  
**Environmental Health Dept. Site Plan showing only a 210 by 210 cutout of a**  
**property will NOT suffice for Addressing Application Requirements.)**

*Addressing / GIS Department Use Only:*

Date Received: \_\_\_\_\_

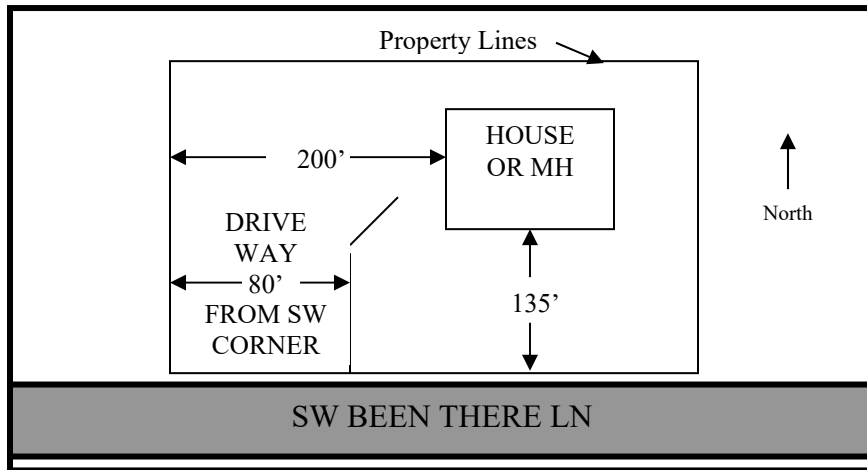
Received by: Walk in: \_\_\_\_\_ Fax: \_\_\_\_\_ Email: \_\_\_\_\_ Other: \_\_\_\_\_



## Page 2, Site Plan for 9-1-1 Address Application From

1. A PLAT, PLAN, OR DRAWING SHOWING THE PROPERTY LINES OF THE PARCEL.
2. LOCATION OF PLANNED RESIDENT OR BUSINESS STRUCTURE ON THE PROPERTY WITH DISTANCES FROM AT LEAST TWO OF THE PROPERTY LINES TO THE STRUCTURE (SEE SAMPLE BELOW).
3. LOCATION OF THE ACCESS POINT (DRIVEWAY, ETC.) ON THE ROADWAY FROM WHICH LOCATION IS TO BE ADDRESSED WITH A DISTANCE FROM A PARALLEL PROPERTY LINE AND OR PROPERTY CORNER (SEE SAMPLE BELOW).
4. TRAVEL OF THE DRIVEWAY FROM THE ACCESS POINT TO THE STRUCTURE (SEE SAMPLE BELOW).

### SAMPLE:



### SITE PLAN BOX:

A large empty rectangular box for the site plan.



## COLUMBIA COUNTY BUILDING DEPARTMENT RESIDENTIAL CHECK LIST

MINIMUM PLAN REQUIREMENTS: FLORIDA BUILDING CODE RESIDENTIAL 2020 EFFECTIVE 1 JANUARY 2021  
AND THE NATIONAL ELECTRICAL 2017 EFFECTIVE 1 JANUARY 2021

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 1609.1 THRU 1609.6.**

**FOR DESIGN PURPOSES THE FOLLOWING BASIC WIND SPEEDS ARE PER FLORIDA BUILDING CODE FIGURE 1609.3(1) THROUGH 1609.3(4) ULTIMATE DESIGN WIND SPEEDS FOR RISK CATEGORY AND BUILDINGS AND OTHER STRUCTURES Revised 7/1/20**

**Submit Online at- <http://www.columbiacountyfla.com/BuildingandZoning.asp>**

Items to Include-  
Each Box shall be  
Circled as  
Applicable

### GENERAL REQUIREMENTS:

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

Select From Drop down

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

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 BUILDING 107.1.

### Site Plan information including:

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

### 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			
10	(Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated)			
11	Wind importance factor and nature of occupancy			
12	The applicable internal pressure coefficient, Components and Cladding			
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 speciffally designed by the registered design professional.			

### Elevations Drawing including:

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

**Floor Plan Including:**

21	Dimensioned area plan showing rooms, attached garage, breeze ways, covered porches, deck, balconies			
22	Raised floor surfaces located more than 30 inches above the floor or grade			
23	All exterior and interior shear walls indicated			
24	Shear wall opening shown (Windows, Doors and Garage doors)			
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 FBCR 312.2.1 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.			
26	Safety glazing of glass where needed			
27	Fireplaces types (gas appliance) (vented or non-vented) or wood burning with Hearth (see chapter 10 and chapter 24 of FBCR)			
28	Show stairs with dimensions (width, tread and riser and total run) details of guardrails, Handrails			
29	Identify accessibility of bathroom (see FBCR SECTION 320)			

**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.			
31	All posts and/or column footing including size and reinforcing			
32	Any special support required by soil analysis such as piling.			
33	Assumed load-bearing value of soil _____ Pound Per Square Foot			
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			

**FBCR 506: CONCRETE SLAB ON GRADE**

35	Show Vapor retarder (6mil. Polyethylene with joints overlapped 6 inches and sealed)			
36	Show control joints, synthetic fiber reinforcement or welded wire fabric reinforcement and Supports			

**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			
----	--	--	--	--

**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			
39	Show all Lintel sizes, type, spans and tie-beam sizes and spacing of reinforcement			

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

**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			
54	Fastener schedule for structural members per table FBC 2304.10.1 are to be shown			
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			
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			
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 2304.3.			
58	Indicate where pressure treated wood will be placed			
59	Show all wall structural panel sheathing, grade, thickness and show fastener schedule for structural panel sheathing edges & intermediate areas			
60	A detail showing gable truss bracing, wall balloon framing details or/and wall hinge bracing detail			

**FBC :ROOF SYSTEMS:**

61	Truss design drawing shall meet section FBC 2303.1.1.1 Wood trusses			
62	Include a layout and truss details, signed and sealed by Florida Professional Engineer			
63	Show types of connector's assemblies' and resistance uplift rating for all trusses and rafters			
64	Show gable ends with rake beams showing reinforcement or gable truss and wall bracing details			
65	Provide dead load rating of trusses			

**FBC 2304.4:Conventional Roof Framing Layout**

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

**FBC 2304.8 ROOF SHEATHING**

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

## ROOF ASSEMBLIES FRC Chapter 15

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

## FBC Energy Chapter 4

Residential construction shall comply with this code by using the following compliance methods in the FBC Chapter 4, 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			
75	Attic space			
76	Exterior wall cavity			
77	Crawl space			

## HVAC information

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

## Plumbing Fixture layout shown

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

## Private Potable Water

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

## Electrical layout shown including

86	Show Switches, receptacles outlets, lighting fixtures and Ceiling fans			
87	Show all 120-volt, single phase, 15- and 20-ampere branch circuits outlets required to be protected by <b>Ground-Fault Circuit Interrupter (GFCI) Article 210.8 A</b>			
88	Show the location of smoke detectors & Carbon monoxide detectors			
89	Show service panel, sub-panel, location(s) and total ampere ratings			
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.  <b>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</b>			
91	Appliances and HVAC equipment and disconnects			
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 <b>Combination arc-fault circuit interrupter, Protection device.</b>			

**Notice Of Commencement:**

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

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

**\*\*ITEMS 95, 96, & 98 Are Required After APPROVAL from the ZONING DEPT.\*\***

Select from Drop down

<b>93</b>	<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.			
<b>94</b>	<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>			
<b>95</b>	<b>Environmental Health Permit or Sewer Tap Approval</b> A copy of a approved Columbia County Environmental Health (386) 758-1058			
<b>96</b>	<b>City of Lake City</b> A City Water and/or Sewer letter. Call 386-752-2031			
<b>97</b>	<b>Toilet facilities shall be provided for all construction sites</b>			
<b>98</b>	<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.			
<b>99</b>	<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> )			
<b>100</b>	<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.			
<b>101</b>	A Flood development permit is also required for AE, Floodway & AH. Development permit cost is <b>\$50.00</b>			
<b>102</b>	<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.			
<b>103</b>	<b>911 Address:</b> An application for a 911 address must be applied for and <b>received</b> through the Columbia County Emergency Management Office of 911 Addressing Department (386) 758-1125.			

**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.

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and approval numbers on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. Statewide approved products are listed online @ [www.floridabuilding.org](http://www.floridabuilding.org)

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
<b>1. EXTERIOR DOORS</b>			
A. SWINGING			
B. SLIDING			
C. SECTIONAL/ROLL UP			
D. OTHER			
<b>2. WINDOWS</b>			
A. SINGLE/DOUBLE HUNG			
B. HORIZONTAL SLIDER			
C. CASEMENT			
D. FIXED			
E. MULLION			
F. SKYLIGHTS			
G. OTHER			
<b>3. PANEL WALL</b>			
A. SIDING			
B. SOFFITS			
C. STOREFRONTS			
D. GLASS BLOCK			
E. OTHER			
<b>4. ROOFING PRODUCTS</b>			
A. ASPHALT SHINGLES			
B. NON-STRUCT METAL			
C. ROOFING TILES			
D. SINGLE PLY ROOF			
E. OTHER			
<b>5. STRUCT COMPONENTS</b>			
A. WOOD CONNECTORS			
B. WOOD ANCHORS			
C. TRUSS PLATES			
D. INSULATION FORMS			
E. LINTELS			
F. OTHERS			
<b>6. NEW EXTERIOR ENVELOPE PRODUCTS</b>			

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

NOTES: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



# Envelope Leakage Test Report (Blower Door Test)

Residential Prescriptive, Performance or ERI Method Compliance  
2020 Florida Building Code, Energy Conservation, 7th Edition

Jurisdiction: \_\_\_\_\_

Permit #: \_\_\_\_\_

## Job Information

Builder: \_\_\_\_\_

Community: \_\_\_\_\_

Lot: \_\_\_\_\_

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

Unit: \_\_\_\_\_

City: \_\_\_\_\_

State: \_\_\_\_\_

Zip: \_\_\_\_\_

## Air Leakage Test Results

*Passing results must meet either the Performance, Prescriptive, or ERI Method*



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



**PERFORMANCE or ERI METHOD-** The building or dwelling unit shall be tested and verified as having an air leakage rate of not exceeding the selected ACH(50) value, as shown on FORM R405-2020 (Performance) or R406-2020 (ERI), section labeled as Infiltration, sub-section ACH.

ACH(50) specified on Form R405-2020-Energy Calc (Performance) or R406-2020 (ERI): \_\_\_\_\_

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

☐ **PASS**

☐ **FAIL**

☐ 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

**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 2020 7th 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: \_\_\_\_\_



Columbia County, Florida  
Building Department  
135 NE Hernando Avenue  
Lake City, Florida 32055  
Phone: 386-758-1008

[www.columbiacountyfla.com](http://www.columbiacountyfla.com)

## **ROOFING UNDERLAYMENT AFFIDAVIT**

### **REQUIRED FOR WALK-IN OR PAPER SUBMITTALS**

**Job Address:** \_\_\_\_\_

I (Print Name) \_\_\_\_\_, as a Florida license Roofing Contractor or an Owner Builder, I understand to comply with the 2020 Florida Building Code 7<sup>th</sup> Edition underlayment requirements, I must select an option for sealing the roof deck.

The options are summarized below...

☐ a self-adhering polymer-modified bitumen underlayment complying with ASTM D1970 applied over the entire roof.

☐ a minimum 4-inch wide strip of selfadhering polymer-modified bitumen complying with ASTM D1970 or a minimum 3 ¾ - inch wide strip of selfadhering flexible flashing tape complying with AAMA 711, applied over all joints in the roof decking. A felt underlayment complying with ASTM D226 Type II, ASTM D4869 Type III or IV, or ASTM D6757, or a synthetic underlayment meeting the performance requirements specified, is required to be applied over the strips/tape over the entire roof.

☐ two layers of felt underlayment comply ASTM 0226 Type II or ASTM D4869 Type III or IV, or two layers of a synthetic underlayment meeting the performance requirements specified, lapped and fastened as specified.

☐ Other (explain) \_\_\_\_\_

Contractor/Owners Signature \_\_\_\_\_

### **FINAL INSPECTION & CERTIFICATE OF COMPLETION:**

This completed form and photographs must be uploaded to your permit via online at the Application Submission login (link) [Welcome to Columbia County Online \(columbiacountyfla.com\)](http://Welcome to Columbia County Online (columbiacountyfla.com)).

Clearly visible in the Photographs must be the permit number or address and must include a ruler or measuring device to confirm nail spacing and overlaps including drip edge and valley flashing.