



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:	YES		
2	All drawings must be clear, concise, drawn to scale, details that are not used shall be marked void	YES		
3	Condition space (Sq. Ft.)	1536	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 BUILDING 107.1.

Site Plan information including:

4	Dimensions of lot or parcel of land	-309 X 332		
5	Dimensions of all building set backs	-YES		
6	Location of all other structures (include square footage of structures) on parcel, existing or proposed well and septic tank and all utility easements.	-		
7	Provide a full legal description of property.	YES		

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

GENERAL REQUIREMENTS: APPLICANT - PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL		Items to Include- Each Box shall be 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		
10	(Wind exposure - if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated)	YES		
11	Wind importance factor and nature of occupancy	YES		
12	The applicable internal pressure coefficient, Components and Cladding	YES		
13	The design wind pressure in terms of psf (kN/m ²), to be used for the design of exterior component, cladding materials not specifically designed by the registered design professional.	YES		

Elevations Drawing including:

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

Floor Plan Including:

✓ 21	Dimensioned area plan showing rooms, attached garage, breeze ways, covered porches, deck, balconies	-YES		
✓ 22	Raised floor surfaces located more than 30 inches above the floor or grade	-	NO	
✓ 23	All exterior and interior shear walls indicated	YES		
✓ 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.	YES		
26	Safety glazing of glass where needed	YES		
27	Fireplaces types (gas appliance) (vented or non-vented) or wood burning with Hearth (see chapter 10 and chapter 24 of FBCR)	-		NA
28	Show stairs with dimensions (width, tread and riser and total run) details of guardrails, Handrails	-		NA
✓ 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)

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FBCR 403: Foundation Plans

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

FBCR 506: CONCRETE SLAB ON GRADE

✓ 35	Show Vapor retarder (6mil. Polyethylene with joints overlaid 6 inches and sealed)	-		NA
36	Show control joints, synthetic fiber reinforcement or welded fire fabric reinforcement and Supports	-		NA

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

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

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

FBC :ROOF SYSTEMS:

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

FBC 2304.4:Conventional Roof Framing Layout

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

FBC 2304.8 ROOF SHEATHING

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

ROOF ASSEMBLIES FRC Chapter 15

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

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.*

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74	Show the insulation R value for the following areas of the structure	- YES		
75	Attic space	- YES		
76	Exterior wall cavity	- YES		
77	Crawl space	- YES		

HVAC information

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

Plumbing Fixture layout shown

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

Private Potable Water

83	Pump motor horse power	1 hp	- YES	
84	Reservoir pressure tank gallon capacity	81 gal	- YES	
85	Rating of cycle stop valve if used		-	NA

Electrical layout shown including

86	Show Switches, receptacles outlets, lighting fixtures and Ceiling fans	- YES		
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		
88	Show the location of smoke detectors & Carbon monoxide detectors	- YES		
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. 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	-		
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 Combination arc-fault circuit interrupter, Protection device.	-		

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.

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

Select from Drop down

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

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

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

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
1. EXTERIOR DOORS			
A. SWINGING	Jeld-wen	Jeld-wen 36" (3) IMPACT DOOR	13540.1
B. SLIDING	X NO		
C. SECTIONAL/ROLL UP	NA		
D. OTHER			
2. WINDOWS			
A. SINGLE/DOUBLE HUNG	JELD WEN	86x52 IMPACT WINDOW	11095
B. HORIZONTAL SLIDER	NA		
C. CASEMENT			
D. FIXED			
E. MULLION		4	11870.1
F. SKYLIGHTS			
G. OTHER			
3. PANEL WALL			
A. SIDING	HARDIE	916 Hardie Panel 4x8	FL13223
B. SOFFITS	VINYL	vinyl vinyl soffit	
C. STOREFRONTS	NA		
D. GLASS BLOCK			
E. OTHER			
4. ROOFING PRODUCTS			
A. ASPHALT SHINGLES	NA		
B. NON-STRUCT METAL	Capital Metal Supply	ROOF METAL over OSB	17992, 2R3
C. ROOFING TILES	NA		
D. SINGLE PLY ROOF	NA		
E. OTHER	NA		
CO			
5. STRUCT COMPONENTS			
A. WOOD CONNECTORS			
B. WOOD ANCHORS			
C. TRUSS PLATES	Plans NA		
D. INSULATION FORMS			
E. LINTELS	Plans		
F. OTHERS	CONVENTIONAL ROOF SEE PLANS		
6. NEW EXTERIOR ENVELOPE PRODUCTS			

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

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

NOTES: _____

