

PASCO COUNTY, FLORIDA

Checklist for Flood Damage Prevention Review

REQUIRED DOCUMENTS			
MUST BE SUBMITTED AT TIME OF PERMIT APPLICATION			
GENERAL Flood zone designation		Items To Be Included Each Box Shall be Circled as Applicable	
1.	FIRM Panel Number		
2.	FIRM Panel Date		
3.	In Floodway?	Yes	No N/A
4.	Base Flood Elevation____NAVD 88 and Flood Zone		
5.	How BFE was determined?	FIRM	FIS Other
6.	Required freeboard____feet	PCC	
7.	Required Finished Floor Elevation (Lot Grading)____feet, NAVD 88		
8.	FEMA Letter of Map Change (attached)	Yes	No N/A
9.	Flood resistant materials shall be used below BFE + required freeboard (FEMA Technical Bulletin 2-08)	Yes	No N/A
A-ZONE		Items To Be Included Each Box Shall Be Circled As Applicable	
1.	Finished Floor Elevation for all new and substantial improvements in the Special Flood Hazard Area is to the BFE + required freeboard, unless shown higher from an approved lot-grading plan or finished floor elevation shall be at least sixteen (16) inches above the highest crown line of the street lying between the projection of the side building lines.	Yes	No N/A
2.	Provide top of bottom floor elevation. (A-zone)	Yes	No N/A
3.	For attached garage provide top of slab elevation. (A and V-zone)	Yes	No N/A
4.	Total area of all permanent openings (flood hydrostatic ventilation vents) identified and within one (1) foot above adjacent grade are shown, and minimum of two openings on separate walls shown unless otherwise designed by design professional. If engineered flood openings are used, documentation must be provided. (FEMA Technical Bulletin 1-08)	Yes	No N/A
5.	Lowest elevation of machinery and/or equipment servicing the building be identified (e.g. Pad) at the required flood elevation – includes ductwork. GFI must be used for structure servicing equipment below the BFE. (A and V-zone)	Yes	No N/A
V-ZONE		Items To Be Included Each Box Shall Be Circled As Applicable	
1.	Geologic Hazards report submitted with plans.	Yes	No N/A
2.	V-Zone Certificate submitted after Finished Construction of building to obtain a Certificate of Occupancy.	Yes	No N/A
3.	Bottom of lowest horizontal structural member (including ductwork) elevation is at the BFE + required freeboard.	Yes	No N/A
4.	The plans must show details of the breakaway wall construction and comply with the FBC residential flood resistant construction or FBC-building flood loads (ASCE 24-14)	Yes	No N/A
5.	All utilities, electric, water heater, furnace, air conditioning unit, etc., must be elevated to the BFE + required freeboard.	Yes	No N/A
6.	For attached garage provide top of slab elevation. (A and V-Zone)	Yes	No N/A
7.	No fill, except for minor landscaping. If fill is used (including for an elevated septic system), a wave-impact analysis must be submitted and shown that thereis no impact to adjacent properties. (FEMA Technical Bulletin 5-08)	Yes	No N/A
8.	The only permitted use below the BFE is limited building access, a garage for parking vehicles or a storage area.	Yes	No N/A

Checklist – Flood Damage Control Review

FLOODWAY ENCROACHMENT		Items To Be Included Each Box Shall Be Circled As Applicable		
1.	<u>No-Rise/Impact Certification</u> and supporting data must be provided for any development. Must show <u>zero</u> rise in the floodway.	Yes	No	N/A
2.	No fill shall be used within the Floodway unless a No-Rise Certification is provided showing No-Rise in elevation of the Floodway.	Yes	No	N/A
3.	Placement of manufactured homes is not permitted, unless in existing manufactured home park or subdivision or area zoned only for manufactured homes and No-Rise Certification is submitted.	Yes	No	N/A
4.	Free of Obstructions below BFE . (FEMA Technical Bulletin No. 5-08)	Yes	No	N/A
NON-RESIDENTIAL FLOODPROOFED STRUCTURES A Zones only		Items To Be Included Each Box Shall Be Circled As Applicable		
1.	Commercial structures with a finished floor below the BFE are to be engineered to be floodproofed one (1) foot or greater above the BFE or elevated to required flood elevation.	Yes	No	N/A
2.	<u>Floodproof certificate</u> is required before permit is finalized.	Yes	No	N/A
3.	Use of flood protection and floodshields must be identified on plans.	Yes	No	N/A
4.	Floodproofing operation procedures are required.	Yes	No	N/A
ACCESSORY STRUCTURES		Items To Be Included Each Box Shall Be Circled As Applicable		
	A-Zone			
1.	Structure is for storage and not for any type of habitation and is not climate controlled.	Yes	No	N/A
2.	Flood resistant materials used. (FEMA Technical Bulletin No. 2-08)	Yes	No	N/A
3.	Anchored to resist flotation and lateral movement.	Yes	No	N/A
4.	Permanent openings (flood vents) as designed.	Yes	No	N/A
5.	Accessory structure is of low value.	Yes	No	N/A
6.	Service Facility (electric shall be elevated above DFE or floodproofed)	Yes	No	N/A
	V-Zone In addition to items 1-6 above the following is required			
7.	The structural system shall utilize pilings, adequately embedded to resist scour and lateral deflection.	Yes	No	N/A
8.	Any enclosure below the BFE shall be constructed of wooden lattice, or insect screening, or shall be designed as a “breakaway wall” in conformance with section 60.3(e) (5) of 44CFR. Chapter 4 (ASCE 24-14)	Yes	No	N/A
9.	Floors shall be at grade.	Yes	No	N/A
10.	Accessory storage structures shall meet the requirements of Chapter 4 (ASCE 24-14)	Yes	No	N/A
REMODEL				
1.	SUBSTANTIAL IMPROVEMENT. Any one or more or combination thereof of repair, reconstruction, rehabilitation, addition or improvement of a building or structure, the cost of which equals or exceeds, over a 1 year period, a cumulative total of 50 percent of the market value of the structure before the improvement or repair is started. If the structure has sustained substantial damage, any repairs are considered substantial improvement regardless of the actual repair work performed. (A and V-Zone)	Yes	No	N/A
2.	Substantial Improvement Package completed .	Yes	No	N/A
3.	Remodel of uninhabited space to habitable space below the BFE is prohibited. The remodeling project will be required to have the finished floor elevated to the BFE + freeboard (A-zone) or lowest horizontal member elevated to the BFE + required freeboard (V-zone).	Yes	No	N/A
4.	No remodel or conversion of space below the BFE is allowed.	Yes	No	N/A
5.	No new additions (vertical or lateral) without being elevated on an elevated foundation designed to specifications shown in the Geologic Hazards report.	Yes	No	N/A

Note: Copies of the referenced FEMA Technical Bulletins are available at www.fema.gov

References:

ASCE 24

ASCE 7

Chapter 18, Buildings and Building Regulations, Pasco County Code

FEMA P-758

Chapter 1104, Flood Damage Prevention of the Land Development Code

RV. 1/27/2022