

FINAL Florida Review Checklist: NFIP & FBC & Revised Model Ordinance (January 15, 2013d)

Ordinance Citation: Model FPM regulations and 5th Edition FBC : All Zones

Date of Review: 11/6/2015

Reviewer: RCQ/LMC

STATE

NOTE: The "Item Description" is a synopsis of the regulatory requirement and should not be construed as a complete description. Refer to the actual language contained in the National Flood Insurance Program Rules and Regulations for complete descriptions of the required standards.

Item Description [44 CFR reference]	Model FPM Ord.	FBC Sections (B = FBC, B; R = FBC,R; EB = FBC,EB)
Required provisions for all ordinances		
1. Citation of Statutory Authorization. [59.22(a)(2)]	Introduction	Introduction
2. Purpose section citing health, safety, and welfare reasons for adoption. [59.22(1)]	101.3	B101.3 R101.3
3. Definitions [59.1] and others necessary for the Ordinance {O = Ordinance; BC = FBC, Building; EB = FBC, Existing Building; R = FBC, Residential } (FBC,R "defines" terms where used)	202	B202
Addition {EB} Accessory structure {O} Alteration {EB} Alteration of a watercourse {O} ASCE 24 {O} Base Flood {O; BC} Base flood elevation {O; BC; R322.1.4} Basement {O; BC, R} Coastal construction control line {O; BC} Coastal high hazard area {O; BC; R322.3} Design flood {O; BC} Design flood elevation {O; BC; R322.1.4.1} Development {O} Dry floodproofing {BC} Encroachment {O} Existing building/structure/construction {O; BC; EB} Existing Manufactured Home Park or Subdivision {O}	Expansion to an Existing Manufactured Home Park or Subdivision {O} FEMA {O} Flood {O; BC} Flood damage-resistant materials {O; BC} Flood hazard area {O; BC; EB; R322.2} Flood hazard area subject to high velocity wave action {BC} Flood Insurance Rate Map {O; BC} Flood Insurance Study {O; BC} Floodplain Administrator {O} Floodplain development permit {O} Floodproofing (see Dry floodproofing) Floodway {O; BC} Floodway encroachment analysis {O} Florida Building Code {O} Functionally dependent use {O} Highest Adjacent Grade {O} Historic Structure {O; EB} Letter of Map Change {O} Local floodplain management ordinance {BC; R; EB}	Lowest Floor {O; BC; R322.1.5} Manufactured Home {O; R202-HUD} Manufactured Home Park or Subdivision {O} Market Value {O} New Construction {O} New Manufactured Home Park or Park trailer {O} Recreational Vehicle {O} Rehabilitation {EB} Repair {EB} Sand dunes {O} Special Flood Hazard Area {O; BC} Start of Construction {O; BC} Structure {BC} Substantial Damage {O; BC; EB} Substantial Improvement {O; BC; EB} Subdivision {O} Variance {O} Violation {O-110.1} Watercourse {O}
4. Adopt or reference correct Flood Insurance Study, Flood Insurance Rate Map (where applicable, Flood Boundary Floodway Map) and date [see Note]. Include a reference to all subsequent revisions and amendments to above-referenced FIS and flood maps. [60.2(h)] [Note: If a community has annexed territory (e.g. county land) not covered on its flood maps or FIS, the FIS and appropriate FIRM panels (usually County) must be adopted.]	102.3	B1612.3 R301.2, Table R301.2(1)
5. Adequate enforcement provisions including a violations/penalty section specifying community actions to assure compliance. [60.2(e)]	108	Locally adopted
6. Abrogation and Greater Restriction section. [60.1(b)]	102.5	102.4

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7. Warning and Disclaimer of Liability (Degree of flood protection required by the ordinance is considered reasonable but does not imply total flood protection.)	101.5; 101.6	See FPM Ordinance
8. Severability section. (If any section, provision or portion of the ordinance is deemed unconstitutional or invalid by a court, the remainder of the ordinance shall be effective.)	Adopting language	Adopting language
9. Framework for administering the ordinance (permit system, establish office for administering the ordinance, etc.) [59.22(b)(1)]	103, 104	B-Chapter 1
10. Designate title of community Floodplain Administrator [59.22(b)]	103.1	See FPM Ordinance
11. Requirement to submit new technical data: within 6 months, notify FEMA of changes in the base flood elevation by submitting technical or scientific data so insurance & floodplain management can be based on current data. [65.3]	103.8(3)	See FPM Ordinance
12. Variance section with evaluation criteria & insurance notice. [60.6(a)]	107, 107.7(4)	B117.1
13. For adopted ordinance. Signature of appropriate official and certification. [59.22(a)(3)] Date ordinance adopted: _____	Added by adopting jurisdiction	Adoption of local amendments
60.3 (a) When no SFHA's have been identified, no water surface elevation data has been provided, and floodways and coastal high hazards areas have not been identified and the community applies for participation in the NFIP, the following are required:		
14. Require permits for all proposed construction or other development including placement of manufactured homes. [60.3(a)(1)]	101.2, 104	B101.2, B102.2, B102.7, B105.1, B105.2, EB101.2 R101.2, R301.2.4, R322
15. Assure that all other State and Federal permits are obtained. [60.3(a)(2)]	104.7	B105.3.3
16. Review permits to assure sites are reasonably safe from flooding and require for new construction and substantial improvements in flood-prone areas: [60.3(a)(3)]	103.3, 302.1, 303.1	B107.2.1, B107.3.5, B1612.1, B1804.4(1) EB101.2, EB501.3, EB506.2.4, EB601.3, EB701.2, EB801.3, EB1003.5, EB1101.3.5, EB1202.6, EB1301.3.3 R301.1, R301.2.4, R322.1
(a) Anchoring (including manufactured homes) to prevent flotation, collapse, or lateral movement. [60.3(a)(3)(i)]	304.3, 306.1, 307.1	B1603.1, B1603.1.7, B1605.2.2, B1605.3.1.2, B1612.1, B1612.4 (ASCE 24) R301.1, R301.2.4, R322.1.2
(b) Use of flood-resistant materials. [60.3(a)(3)(ii)]	307.1	B801.5, B1403.5, B1612.4 (ASCE 24) R322.1.8

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(c) Construction methods/practices that minimize flood damage. [60.3(a)(3)(iii)]	Chpt 3 [301.1, 302.1, 303.1(1), 304.3, 307.1]	B1612.1, B1612.4 (ASCE 24) R322.1.3
(d) Electrical, heating, ventilation, plumbing, air conditioning equipment, and other service facilities designed and/or located to prevent water entry or accumulation. [60.3(a)(3)(iv)]	301.1, 304.6, , 307.1	B1612.4 (ASCE 24); FBC, M; FBC, P; FBC, FG R322.1.6 (and numerous sections in utility chapters)
(e) Require new and replacement water supply and sanitary sewer systems to be designed to minimize or eliminate infiltration. [60.3(a)(5) & (6)]	303.1, 303.2, 303.3	R322.1.7, P2602.2(1)
(f) Require on-site waste disposal systems be located to avoid impairment or contamination. [60.3(a)(6)(ii)]	303.2	R322.1.7, P2602.2(2)
17. Review subdivision and development proposals to assure that: (a) Such proposals minimize flood damage. [60.3(a)(4)(i)]	302.1(1), 303.1(1)	See FPM Ordinance
(b) Public utilities and facilities are located & constructed so as to minimize flood damage. [60.3(a)(4)(ii)]	302.1(2), 303.1(2)	See FPM Ordinance
(c) Adequate drainage is provided. [60.3(a)(4)(iii)]	302.1(3), 303.1(3)	See FPM Ordinance
60.3(b) When SFHA's are identified by the publication of a community's FHBM or FIRM, but water surface elevation data have not been provided or a floodway or coastal high hazard area has not been identified, then all the above ordinance provisions for 60.3(a) and the following are required:		
18. Require base flood elevation data for subdivision proposals or other developments greater than 50 lots or 5 acres. [60.3(b)(3)]	105.1(3), 302.2(2)	See FPM Ordinance
19. Require permits for all proposed construction and other development within SFHAs on the FIRM. [60.3(b)(1)]	101.2, 104.1	B101.2, B102.2, B105.1, B1612.1 EB101.2 R101.2, R301.1, R301.2.4, R322.1
20. In A Zones, in the absence of FEMA BFE data and floodway data, consider other available data as basis for elevating residential structures to or above base flood level, and for floodproofing or elevating nonresidential structures to or above base flood level. [60.3(b)(4)]	105.1(2), 105.2(1)	B1612.3.1 R322.1.4.1
21. Where BFE data are utilized, obtain and maintain records of lowest floor and floodproofing elevations for new construction and substantial improvements. [60.3(b)(5)]	103.9, 106.1	B110.3, B111.2, B1612.5(1.1), (1.3) and (2.2) R322.1.10
22. Notify neighboring communities of watercourse alterations or relocations. [60.3(b)(6)]	103.8(2)	See FPM Ordinance
23. Maintain carrying capacity of altered or relocated watercourse. [60.3(b)(7)]	105.3(3)	See FPM Ordinance
24. Require all manufactured homes to be elevated and anchored to resist flotation, collapse, or lateral movement. [60.3(b)(8)]	304	R322.1.9
60.3(c) When final flood elevations, but no floodways or coastal high hazard areas have been provided on a community's FIRM, then all the above ordinance provisions for 60.3(a) & 60.3(b) and the following are required:		

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25. Require all new and substantially improved <u>residential</u> structures within A1-30, AE, and AH Zones have their lowest floor (including basement) elevated to or above the BFE. [60.3(c)(2)]	301	B1612.4 (ASCE 24), B1804.4(1)
26. In AO Zones, require that new and substantially improved <u>residential</u> structures have their lowest floor (including basement) at or above the highest adjacent grade at least as high as the FIRM's depth number. [60.3(c)(7)]		EB101.2, EB501.3, EB506.2.4, EB601.3, EB701.2, EB801.3, EB1003.5, EB1101.3.5, EB1202.6, EB1301.3.3 R322.1.10, R322.2.1
27. Require that new and substantially improved <u>nonresidential</u> structures within A1-30, AE, and AH Zones have their lowest floor elevated or floodproofed to or above the base flood elevation. [60.3(c)(3)]	301	B1612.4 (ASCE 24), B1808.4(1), B419.2.2.2(hospitals), B420.2.2(nursing homes), B423.2.7.5.1(Edn facilities)
28. In AO Zones, require new and substantially improved <u>nonresidential</u> structures have their lowest floor elevated or completely floodproofed above the highest adjacent grade to at least as high as the depth number on the FIRM. [60.3(c)(8)]		EB101.2, EB501.3, EB506.2.4, EB601.3, EB701.2, EB801.3, EB1003.5, EB1101.3.5, EB1202.6, EB1301.3.3
29. Require that, for floodproofed non-residential structures, a registered professional/architect certify that the design and methods of construction meet requirements at (c) (3) (ii). [60.3(c)(4)]	301	B1612.4 (ASCE 24), B1612.5(1.3)
30. Require, for all new construction and substantial improvements, that fully enclosed areas below the lowest floor that are usable solely for parking of vehicles, building access or storage have permanent openings designed to allow the entry and exit of flood waters in accordance with specifications of 60.3(c)(5) .	301, 304.5	B1612.4 (ASCE 24), R309.5, R322.2.2, R408.7
31. Within Zones A1-30 and AE without a designated floodway, new development shall not be permitted unless it is demonstrated that the cumulative effect of all past and projected development will not increase the BFE by more than 1 foot. [60.3(c)(10)]	105.3(2), 303.4	B1612.3.2, B1804.4(4), R322.1.4.2, R322.2.4.2
32. In Zones AO and AH, require drainage paths around structures on slopes to guide water away from structures. [60.3(c)(11)]	302.1(3), 303.1(3) – all zones	B1804.3 R401.3
33. Require that manufactured homes placed or substantially improved within A1-30, AH, and AE Zones, which meet one of the following location criteria, to be elevated such that the lowest floor is at or above the BFE and be securely anchored: i. outside a manufactured home park or subdivision; ii. in a new manufactured home park or subdivision; iii. in an expansion to an existing manufactured home park or subdivision; iv. on a site in an existing park which a manufactured home has incurred substantial damage as a result of flood. [60.3(c)(6)]	304.4	R322.1.9

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34. In A1-30, AH, and AE Zones, require that manufactured homes to be placed or substantially improved in an <u>existing</u> manufactured home park to be elevated so that: i. the lowest floor is at or above the BFE <u>or</u> ii. the chassis is supported by reinforced piers no less than 36 inches above grade and securely anchored. [60.3(c)(12)]	304.4	R322.1.9
35. In A1-30, AH, and AE Zones, all recreational vehicles to be placed on a site must be elevated and anchored <u>or</u> be on the site for less than 180 consecutive days <u>or</u> be fully licensed and highway ready. [60.3(c)(14)]	305	See FPM Ordinance
60.3(d) When final flood elevations and floodway delineations have been provided on a community's FIRM, then all the above ordinance provisions for 60.3(a), 60.3(b) & 60.3(c) and the following are required:		
36. In a regulatory floodway, prohibit any encroachment which would cause any increase in the base flood level unless hydrologic and hydraulic analyses prove that the proposed encroachment would not increase flood levels during the base flood discharge. [60.3(d)(3)]	105.3(1), 303.4, 307.1, 307.2, 307.3, 307.4	B1612.4 (ASCE 24), B1804.4(2) R301.2.4, R322.1 (ASCE 24)
60.3(e) When final flood elevations and coastal high hazard areas have been provided on a community's FIRM, then all the above ordinance provisions for 60.3(a), 60.3(b) & 60.3(c) and the following are required: NOTE: If a community has both floodways and coastal high hazard areas, it must meet the requirements of both 60.3(d) and 60.3(e).		
37. In V1-30, VE, and V Zones, obtain and maintain the elevation of the bottom of the lowest structural member of the lowest floor of all new and substantially improved structures. [60.3(e)(2)]	103.9, 106, 301	B110.3, B111.2, B1612.5(2.1) R322.1.10
38. In V1-30, VE, and V Zones, require that all new construction and substantial improvements: (a) Are elevated and secured to anchored pilings or columns so that the lowest portion of the lowest horizontal structural member is at or above the BFE. [60.3(e)(4)]	301	B1612.4 (ASCE 24) EB101.2, EB501.3, EB506.2.4, EB601.3, EB701.2, EB801.3, EB1003.5, EB1101.3.5, EB1202.6, EB1301.3.3 R322.3, R322.3.2, R322.3.3
(b) A registered professional engineer/architect certify that the design and methods of construction meet elevation and anchoring requirements at (e)(4)(i) and (ii). [60.3(e)(4)]		B1612.5(2.2) R322.3.3, R322.3.6
(c) Have the space below the lowest floor constructed with breakaway walls or left open. [60.3(e)(5)]	301	B1403.6, B1612.4 (ASCE 24), B1612.5(2.3), B1804.4(3) R322.3.4, R322.3.5
(d) All new construction is landward of the reach of mean high tide. [60.3(e)(3)]	105.1(4)	B1612.4 (ASCE 24) R322.3.1(1)

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(e) Prohibit use of fill for structural support. [60.3(e)(6)]	303.5	B1612.4 (ASCE 24) R322.3.2(3)
(f) Prohibit alteration of sand dunes and mangrove stands which would increase potential flood damage. [60.3(e)(7)]	105.1(8), 105.3(4), 303.6	B1612.4 (ASCE 24) R322.3.1(2)
39. Require that manufactured homes placed or substantially improved within V1-30, VE, and V Zones, which meet one of the following location criteria, meet the V Zone standards in 60.3(e)(2) through (e)(7): i. outside a manufactured home park or subdivision; ii. in a new manufactured home park or subdivision; iii. in an expansion to an existing manufactured home park or subdivision; iv. on a site in an existing park which a manufactured home has incurred substantial damage as a result of flood. [60.3(e)(8)]	304.4	R322.1.9
40. In V1-30, VE and V Zones, require that manufactured homes to be placed or substantially improved in an <u>existing</u> manufactured home park to be elevated so that: i. the lowest floor is at or above the BFE, <u>or</u> ii. the chassis is supported by reinforced piers no less than 36 inches above grade and securely anchored. [60.3(e)(8)(iv); 60.3(c)(12)]	304.4	R322.1.9
41. In V1-30, VE, and V Zones, all recreational vehicles to be placed on a site must be elevated and anchored <u>or</u> be on the site for less than 180 consecutive days <u>or</u> be fully licensed and highway ready. [60.3(e)(9)]	305	See FPM Ordinance