

# City of Marco Island Building Department

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## FLOODPROOFING CHECKLIST

**Permit Application #:** \_\_\_\_\_

**Location:** \_\_\_\_\_

Non-Residential building only, as defined in ASCE 24 [ASCE-24 6.2.1]  Zone A only [ASCE 24 6.2.1]

**Construction Drawings/Documents Required at Permit Submittal:**

- Statement that dry floodproofing is designed in accordance with ASCE 24 [FBC B. 1612.5(1.3)]
- Plan review, Site requirements: flood zone, DFE on plans [FBC B.107.3.5(1)]
- Plan review, Structural: per Section 1612 [FBC B.107.3.5(8)]; Base Flood Elevation (BFE) on building cross-section [FBC B.1612.5 (1.1)]
- Flood design data (including elevation of floodproofing, specified in ASCE 24 Table 6-1) on building cross-section [FBC B.1603.1(5) and 1603.1.7]
- List of materials showing those below DFE will be resistant to flood damage [ASCE-24 5.2]
- Utilities: Identification & appropriate height above DFE of attendant utilities/machinery [ASCE-24 6.2.2 & 7.1]
- Electrical, if not located within floodproofed protected portion of building:
  - Electric meters above elevation specified in Table 7-1 [ASCE-24 7.2.3]
  - Disconnect switches & circuit breakers above elevation specified in Table 7-1 [ASCE-24 7.2.4]
  - Maximum voltage below elevation specified in Table 7-1 120V [ASCE-24 7.2.5]
  - Submersible-type wiring/conduits/cables/switches/receptacles/fixtures [ASCE-24 7.2]
  - Powered from common distribution panel above and accessible from above elevation specified in Table 7-1 [ASCE-24 7.2.5]
  - Sewerage backflow prevention for all sanitation connections below the elevation in Table 7.1 [ASCE-24 7.3.3]
- Load Calculations (included with construction documents) [FBC B. 1603.1, 1605.2.2 or 1605.3.1.2, & 1612.4]:
  - Hydrostatic/Hydrodynamic Resistant Construction - Load calculations showing structure will be resistant to expected Hydrostatic/Hydrodynamic pressures & buoyancy [ASCE-24 6.1, 6.2.2(1) & FBC B. 1603.1 or 1605.3.1.2]
  - Demonstrating flood panels themselves will withstand expected DFE loads [ASCE-24 6.2.2(1); 6.2.3(2-3) & FBC B. 1603.1 or 1605.3.1.2]
- Exit Door/Primary Means of Escape: Plans need to show exit door or primary means of escape above DFE that complies with *6<sup>th</sup> edition of the Florida Building Code* [FBC 1612.5(1.3) & ASCE-24 6.2.2(3)]
  - Absent a door above DFE, an appropriate size emergency escape/rescue qualifies [FBC E.912.4.1(7)]

Floodplain Review by \_\_\_\_\_ Date \_\_\_\_\_

Structural Review by \_\_\_\_\_ Date \_\_\_\_\_

**Documents required prior to the Certificate of Occupancy:**

- Approved Signed & Sealed FEMA Floodproofing Certificate [FBC 1612.e(1.3)]
- Finished Construction Elevation Certificate, original (signed & sealed by Florida licensed land surveyor) [FBC B. 1603.1.7(2) & 1612.5(1.1)]
- Accompanied by:
  - Floodproofing Inspection & Maintenance Plan (can be part of FEP above) [ASCE-24 6.2.3(3)]
  - Flood Emergency Operation Plan: An approved FEP is required [ASCE-24 6.2.3(3)]

Final Review by \_\_\_\_\_ Date \_\_\_\_\_