

**CITY OF BALTIMORE**  
**ORDINANCE \_\_\_\_\_**  
**Council Bill 14-0304**

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Introduced by: The Council President  
At the request of: The Administration (Department of Planning)  
Introduced and read first time: January 13, 2014  
Assigned to: Judiciary and Legislative Investigations Committee  
Committee Report: Favorable  
Council action: Adopted  
Read second time: March 10, 2014

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**AN ORDINANCE CONCERNING**

**1                                    Floodplain Management Code – Cross-References and Corrections**

2        FOR the purpose of conforming certain provisions of the Baltimore City Floodplain Management  
3        Code, as amended by Ordinance 14-\_\_\_\_ (Bill 14-0303) {“Floodplain Management Code –  
4        Revision”}; correcting certain errors and omissions relating to floodplain management and  
5        the design and construction of structures within the Floodplain District; clarifying the  
6        application of certain provisions; deleting certain redundant, obsolete, and otherwise  
7        superfluous provisions; correcting and conforming certain obsolete nomenclature; providing  
8        for a special effective date; and generally relating to the Baltimore City Floodplain  
9        Management Code and references and corrections to it.

10        BY repealing and reordaining with amendments

11            Article 13 - Housing and Urban Renewal  
12            Sections 9-1(b) and 9-2 through 9-5  
13            Baltimore City Code  
14            (Edition 2000)

15        BY repealing

16            Article 13 - Housing and Urban Renewal  
17            Section 9-6  
18            Baltimore City Code  
19            (Edition 2000)

20        BY repealing and reordaining with amendments

21            Article - Zoning  
22            Sections 1-172(b), 2-201(a) and (g), 2-202(a) and (c)(2), 3-107(b)(2), 8-201(b)  
23            and (c), 8-202, 8-203, 8-206, 8-207(a), 8-208, 8-209, 8-212, 8-213(a)(1), 8-214, and  
24            10-307(a)  
25            Baltimore City Revised Code  
26            (Edition 2000)

**EXPLANATION:** CAPITALS indicate matter added to existing law.  
[Brackets] indicate matter deleted from existing law.  
Underlining indicates matter added to the bill by amendment.  
~~Strike out~~ indicates matter stricken from the bill by  
amendment or deleted from existing law by amendment.

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1 BY repealing and reordaining, with amendments  
2 Article - Building Fire, and Related Codes  
3 Sections 2-103(BC §§ 101.2, 107.2.1, 110, 202.2, 801, 1203, 1403.6, 1403.7,  
4 1603, 1804, 1805, and 3001),  
5 4-102(FGC §§ 202.2 and 301.11)  
6 5-102(MC §§ 202.2, 301.16, 501.3.1, 602.4, 603.13, 1206.9.1, and 1305.2.1),  
7 6-102(PC §§ 202.2 and 309), and  
8 10-102(RC §§104.10.1, 105.3.1.1, 109.1.3, 109.1.6.1, 202.2, 401.1, 1301.1.1,  
9 1401.5, 1601.4.9, 1701.2, 2001.4, 2201.6, E101.1, G101.2, and G103.3)  
10 Baltimore City Revised Code  
11 (Edition 2000)

12 BY repealing  
13 Article - Building Fire, and Related Codes  
14 Sections 2-103(BC §§ 104.10.1 and 1612 and App. G), and  
15 10-102(RC §§ 106.1.3, 301.2.4, 309.3, 322, 404.1.9.5, and 408.7)  
16 Baltimore City Revised Code  
17 (Edition 2000)

18 **SECTION 1. BE IT ORDAINED BY THE MAYOR AND CITY COUNCIL OF BALTIMORE,** That the  
19 Laws of Baltimore City read as follows:

20 **Baltimore City Code**

21 **Article 13. Housing and Urban Renewal**

22 **Subtitle 9. Rental Units in [Flood Plains] FLOODPLAIN DISTRICT**

23 **§ 9-1. Definitions.**

24 (b) *[Flood plain] FLOODPLAIN DISTRICT.*

25 “[Flood plain] FLOODPLAIN DISTRICT” means [a floodway, floodway fringe,  
26 approximated flood plain, harbor flood zone, or shallow flood zone as defined and  
27 described in the Zoning Code of Baltimore City] THE FLOODPLAIN DISTRICT AND  
28 SUBDISTRICTS ESTABLISHED UNDER THE FLOODPLAIN MANAGEMENT CODE, CITY CODE  
29 ARTICLE 7 {“NATURAL RESOURCES”}, DIVISION I {“FLOODPLAIN MANAGEMENT”}.

30 **§ 9-2. Notice to prospective tenant.**

31 [When] IF any part of a rental unit, including the parking area or separate storage area [of  
32 said] FOR THAT unit, is within [a flood plain] THE FLOODPLAIN DISTRICT, and the City has  
33 notified the landlord of [such] THAT fact by first class mail, bulk mail, or otherwise, or the  
34 landlord has received notice of [such] THAT fact from some other governmental agency, the  
35 landlord shall provide any prospective tenant with the following NOTICE AND  
36 acknowledgment:

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NOTICE TO PROSPECTIVE TENANT

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The rental unit you are to occupy or the motor vehicle parking area or separate storage facility you are to use (as the case may be) is situated in an area prone to flooding during unusually heavy or prolonged steady periods of rain. Such flooding may damage personal belongings and motor vehicles. Because of this possible loss, you may be eligible for U.S. Government subsidized flood insurance on the personal belongings in your unit. In any event, because of this danger of loss of your personal belongings due to flooding, you may wish to consider acquiring flood insurance, which may be purchased from some insurance agents.

Damage to motor vehicles may not be covered by such insurance; therefore you may also wish to determine whether or not you have sufficient motor vehicle insurance to cover loss due to damage of your motor vehicle resulting from flooding in this area.

The Baltimore City Department of Planning can provide information pertaining to the susceptibility of this area to flooding. You may wish to contact that Department, at (telephone number), before signing either this acknowledgment or the lease agreement for this rental unit.

ACKNOWLEDGMENT BY PROSPECTIVE TENANT

I acknowledge reading and understanding the foregoing warning concerning flooding. I have been provided time, prior to signing either this acknowledgment or a lease, to contact the Baltimore City Department of Planning concerning the susceptibility of the area around my rental unit to flooding.

\_\_\_\_\_  
Tenant's Signature

**§ 9-3. Form of notice.**

The NOTICE AND acknowledgment required by § 9-2 of this subtitle shall be in printed form, utilizing bold face type, AND set apart from the body of the lease. [Said] THE acknowledgment shall provide space for a written acknowledgment that the tenant is cognizant of the flood risk.

**§ 9-4. Method of presentment.**

(a) *Written lease.*

Where there is a written lease between the landlord and tenant, the NOTICE AND acknowledgment required by § 9-2 of this subtitle shall be initialed by both parties and attached in a secure manner to the lease.

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1 (b) *Oral lease.*

2 Where the lease agreement between the landlord and tenant is oral, the NOTICE AND  
3 acknowledgment required by § 9-2 of this subtitle shall be presented to the tenant [prior  
4 to] BEFORE his agreeing to the lease.

5 **§ 9-5. Liability for omission.**

6 Any landlord [after receiving] WHO HAS RECEIVED notice from the City [and/or] OR any other  
7 [State, Federal, or other] GOVERNMENTAL agency that the tenant’s unit is within [a flood  
8 plain] THE FLOODPLAIN DISTRICT and who has failed to give the NOTICE AND  
9 acknowledgment referred to in § 9-2 of this subtitle shall be liable for actual damages  
10 proximately caused by natural flooding.

11 **§ 9-6. [Warning to current tenants.] {RESERVED}**

12 [Within 90 days of the effective date of this subtitle, a landlord shall furnish all tenants  
13 occupying rental units or utilizing parking or separate storage areas within a flood plain with  
14 a written notice in the following form:

15 The rental unit you are occupying or the motor vehicle parking area or  
16 separate storage facility you are using (as the case may be) is situated in an  
17 area prone to flooding during unusually heavy or prolonged steady periods  
18 of rain. Such flooding may damage personal belongings and motor  
19 vehicles. Because of this possible loss, you may be eligible for U.S.  
20 Government subsidized flood insurance on the personal belongings in your  
21 unit. In any event, because of this danger of loss of your personal  
22 belongings due to flooding, you may wish to consider acquiring flood  
23 insurance, which may be purchased from some insurance agents.

24 Damage to motor vehicles may not be covered by such insurance;  
25 therefore you may also wish to determine whether or not you have  
26 sufficient motor vehicle insurance to cover loss due to damage of your  
27 motor vehicle resulting from flooding in this area.

28 The Baltimore City Department of Planning can provide information  
29 pertaining to the susceptibility of this area to flooding. You may wish to  
30 contact that Department.]

31 **Baltimore City Revised Codes**

32 **Article - Zoning**

33 **Title 1. Definitions; General Provisions**

34 ***Subtitle 1. Definitions***

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1 **§ 1-172. Peep show establishment.**

2 (b) *Exclusions.*

3 “Peep show establishment” does not include a theater for the production and viewing of  
4 the performing arts or motion pictures, as described in § 303.1 (Assembly Group A-1) of  
5 the BALTIMORE City Building Code.

6 **Title 2. Administration; Authorizations**

7 ***Subtitle 2. Zoning Districts; Maps and Profiles***

8 **§ 2-201. Establishment of districts.**

9 (a) *In general.*

10 In order to carry out the purposes of this article, Baltimore City is divided into zoning  
11 districts, as listed in this section and located on the zoning maps, [flood plain]  
12 FLOODPLAIN overlay maps, and flood profiles adopted under this article.

13 (g) [*Flood Plain*] FLOODPLAIN *Overlay* [*Districts*] DISTRICT.

14 F1 Floodway  
15 F2 Floodway Fringe  
16 F3 Approximated [Flood Plain] FLOODPLAIN  
17 [HFZ Harbor Flood Zone] CFP COASTAL FLOODPLAIN  
18 [CHZ Coastal Hazard Zone] CHHA COASTAL HIGH HAZARD AREA  
19 FRA FLOOD RESILIENCE AREA

20 **§ 2-202. Maps and profiles part of article.**

21 (a) *In general.*

22 The zoning maps, [flood plain] FLOODPLAIN overlay maps, and flood profiles adopted  
23 under this article are incorporated in and made a part of this article as fully as if they were  
24 set forth and described in this article.

25 (c) *Digital format authorized.*

26 (2) On certification by the Director of [Public Works] GENERAL SERVICES, the maps and  
27 profiles converted to a digital format under this subsection:

28 (i) are legalized for purposes of the Zoning Code of Baltimore City; and

29 (ii) may be taken by all public officials and others as evidence of the original  
30 maps and profiles adopted under this article.

**Title 3. General Rules for Use, Bulk, and Other Regulations**

***Subtitle 1. Use Regulations***

**§ 3-107. Prohibited uses – storage, etc., of vehicles.**

(b) *Prohibited uses.*

(2) *Outdoor storage, etc.*

The outdoor storage or maintenance of abandoned, unlicensed, junked, or derelict vehicles is prohibited in [all]:

(i) ALL Residence Districts;

(ii) ALL Office-Residence Districts; and

(iii) THE [Flood Plain] FLOODPLAIN Overlay [Districts] DISTRICT.

**Title 8. Overlay Districts**

***Subtitle 2. [Flood Plain] FLOODPLAIN Overlay District***

***Part I. Definitions; Overview***

**§ 8-201. Definitions.**

(b) [*Flood plain*] FLOODPLAIN OVERLAY DISTRICT.

“[Flood plain] FLOODPLAIN OVERLAY DISTRICT” means [:(1) any area] ALL AREAS shown as a [flood plain] FLOODPLAIN on the [flood plain maps] FLOODPLAIN MAP[; and

(2) any other area that:

(i) is a relatively flat or low land area;

(ii) adjoins a river, stream, or watercourse; and

(iii) is subject to partial or complete inundation].

(c) [*Flood plain maps*] FLOODPLAIN MAP.

“[Flood plain maps] FLOODPLAIN MAP” means the series of maps and profiles known as the Flood Insurance Rate Maps and Flood Insurance Study for the City of Baltimore, dated [February 2, 2012] APRIL 2, 2014, AS PREPARED, REVISED, OR AMENDED FROM TIME TO TIME for the Federal Emergency Management Agency[, Flood Insurance Administrator, as revised or amended from time to time].

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1 **§ 8-202. Design.**

2 The [Flood Plain] FLOODPLAIN Overlay District regulates the placement and use of structures  
3 and the use of land in the [flood plain] FLOODPLAIN, with a design towards:

- 4 (1) protecting human life and health;
- 5 (2) minimizing damage to public and private property;
- 6 (3) preventing or minimizing future flood damage;
- 7 (4) protecting the public water supply and sanitary sewage disposal systems;
- 8 (5) preserving natural drainage systems; and
- 9 (6) reducing financial burdens imposed on Baltimore City and its citizens.

10 **§ 8-203. [Districts] SUBDISTRICTS established.**

11 (a) *In general.*

12 Six [flood plain districts] FLOODPLAIN SUBDISTRICTS, each designating a measurable  
13 degree of flood hazard, are [provided] ESTABLISHED, as delineated on the [flood plain  
14 maps] FLOODPLAIN MAP [and described in this section].

15 (b) *Floodway.*

16 The Floodway[, which is the area of highest hazard, is that part of the Flood Plain  
17 Overlay District that is required to carry and discharge the waters of the 100-year flood  
18 without increasing the water surface elevation at any point more than 1 foot above  
19 existing conditions] COMPRISES THAT PART OF THE FLOODPLAIN OVERLAY DISTRICT THAT  
20 IS DESCRIBED IN CITY CODE ARTICLE 7, § 2-2(B) {"SUBDISTRICTS: FLOODWAY"}.

21 (c) *Floodway Fringe.*

22 The Floodway Fringe comprises those lands within the [Flood Plain] FLOODPLAIN  
23 Overlay District THAT ARE DESCRIBED IN CITY CODE ARTICLE 7, § 2-2(C)  
24 {"SUBDISTRICTS: FLOODWAY FRINGE"} [that:

- 25 (1) are subject to flooding by the 100-year flood; and
- 26 (2) lie beyond the Floodway, in areas for which detailed study data and profiles are  
27 available].

28 (d) *Approximated [Flood Plain] FLOODPLAIN.*

29 The Approximated [Flood Plain] FLOODPLAIN comprises those lands within the [Flood  
30 Plain] FLOODPLAIN Overlay District THAT ARE DESCRIBED IN CITY CODE ARTICLE 7,  
31 § 2-2(D) {"SUBDISTRICTS: APPROXIMATED FLOODPLAIN"} [that:

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1 (1) are subject to flooding by the 100-year flood; and

2 (2) lie in areas for which a detailed study has not been performed but for which a  
3 100-year flood plain boundary has been approximated].

4 (e) *[Harbor Flood Zone] COASTAL FLOODPLAIN.*

5 The *[Harbor Flood Zone] COASTAL FLOODPLAIN* comprises those lands within the *[Flood*  
6 *Plain] FLOODPLAIN Overlay District THAT ARE DESCRIBED IN CITY CODE ARTICLE 7,*  
7 *§ 2-2(E) {"SUBDISTRICTS: COASTAL FLOODPLAIN"} [that:*

8 (1) are subject to flooding by a 100-year flood; and

9 (2) lie adjacent to the Harbor (Patapsco River)].

10 [(f) *{Reserved}*]

11 (F) [(g) *Coastal HIGH Hazard [Zone] AREA.*

12 The Coastal HIGH Hazard *[Zone] AREA* comprises those *[coastal] lands within the [Flood*  
13 *Plain] FLOODPLAIN Overlay District THAT ARE DESCRIBED IN CITY CODE ARTICLE 7,*  
14 *§ 2-2(F) {"SUBDISTRICTS: COASTAL HIGH HAZARD AREA"} [that are subject to inundation*  
15 *from high velocity waters and wave action].*

16 (G) *FLOOD RESILIENCE AREA.*

17 THE FLOOD RESILIENCE AREA COMPRISES THOSE LANDS WITHIN THE FLOODPLAIN  
18 OVERLAY DISTRICT THAT ARE DESCRIBED IN CITY CODE ARTICLE 7, § 2-2(G)  
19 {"SUBDISTRICTS: FLOOD RESILIENCE AREA"} .

### 20 ***Part II. General Requirements***

#### 21 **§ 8-206. In general.**

22 In addition to the general provisions of Title 3 {"General Rules"} of this article, the  
23 following provisions apply to *[Flood Plain Districts] THE FLOODPLAIN OVERLAY DISTRICT.*

#### 24 **§ 8-207. Use regulations – generally.**

25 (a) *In general.*

26 (1) Except in the Floodway, all uses in a *[Flood Plain] FLOODPLAIN Overlay District* are  
27 as otherwise specified in this article for the underlying district.

28 (2) In addition to the requirements of Title 14 {"Conditional Uses"} of this article,  
29 conditional uses in a *[Flood Plain] FLOODPLAIN Overlay District* are subject to the  
30 standards and procedures contained in § 8-213 {"Conditional uses and variances"} of  
31 this subtitle.



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**§ 8-208. Use regulations – public utility and government services.**

Notwithstanding any other provision to the contrary, no public utility or government service use may be located in any [flood plain] FLOODPLAIN if it:

- (1) might impede, retard, or change the direction of the flow of water;
- (2) will catch or collect debris carried by the water; or
- (3) is placed where the natural flow of the stream or [flood waters] FLOODWATERS would carry it downstream to the damage or detriment of any public or private property in or adjacent to the [flood plain] FLOODPLAIN.

**§ 8-209. Bulk regulations.**

The bulk regulations set forth in this article for each underlying district apply to properties in the [Flood Plain] FLOODPLAIN Overlay District.

**§ 8-212. Proposed amendments.**

Amendments to the [Flood Plain] FLOODPLAIN Overlay District maps must be reviewed and approved by:

- (1) the PLANNING Department [of Planning]; and
- (2) the Federal Emergency Management Agency or its designee.

**§ 8-213. Conditional uses and variances.**

(a) *Additional standards.*

- (1) In addition to the requirements of Title 14 {"Conditional Uses"} and Title 15 {"Variances"} of this article, the additional standards specified in paragraph (2) of this subsection apply to any conditional use or variance that involves any substantial improvement or new construction in a [Flood Plain] FLOODPLAIN Overlay District.

**§ 8-214. Municipal and personal liability.**

A zoning authorization for property that is near a delineated [flood plain] FLOODPLAIN or near any other land later discovered to be a [flood plain] FLOODPLAIN:

- (1) is not a representation, guarantee, or warranty of any kind that the property is not in a [flood plain] FLOODPLAIN; and
- (2) may not be used to impose any liability on Baltimore City, its elected or appointed officials, or its employees.

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**Title 10. Off-Street Parking Regulations**

*Subtitle 3. General Requirements*

**§ 10-307. Vehicle parking spaces – Surfacing.**

(a) *In general.*

Except as specified in subsection (b) of this section, vehicle parking spaces must be surfaced and maintained with a dustless all-weather material in accordance with the BALTIMORE CITY Building Code [of Baltimore City].

**Article - Building, Fire, and Related Codes**

**Part II. International Building Code**

**§ 2-103. City modifications.**

The additions, deletions, amendments, and other modifications adopted by the City are as follows:

**Chapter 1. Scope and Administration**

**Section 101 General**

**101.2 Scope.**

**101.2.1 Appendices [Per MBPS Modification].** The appendices to the International Building Code apply as follows:

**101.2.1.1 Appendices adopted.** The provisions of the following appendices are adopted as part of this Code:

1. Appendix C: “Group U – Agricultural Buildings”.
2. Appendix D: “Downtown Fire District”.
3. Appendix F: “Rodent Proofing”.
- [4. Appendix G: “Flood Resistant Construction”.]
4. [5.] Appendix H: “Signs”.
5. [6] Appendix I: “Patio Covers”.
6. [7.] Appendix J: “Grading”.

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1 **101.2.1.2 Appendices not adopted.** The following appendices are not adopted as  
2 part of this Code:

- 3 1. Appendix A: “Employee Qualifications”.
- 4 2. Appendix B: “Board of Appeals”.
- 5 3. Appendix E: “Supplementary Accessibility Requirements”.
- 6 4. APPENDIX G: “FLOOD RESISTANT CONSTRUCTION”.
- 7 5. [4.] Appendix K: “Administrative Provisions”.
- 8 6. [5.] Appendix L: “Earthquake Recording Instrumentation”.
- 9 7. [6.] Appendix M: “Tsunami-Generated Flood Hazard”.

### 10 **Section 104 Duties and Powers of Building Official**

11 **[104.9 to 104.11 {As in IBC}]**

12 **104.9 Approved materials and equipment. {As in IBC}**

13 **104.10 Modifications. {As in IBC}**

14 **104.10.1 FLOOD HAZARD AREAS. {NOT ADOPTED}**

15 **{NOTE: FOR THE ESTABLISHMENT OF REGULATED FLOOD HAZARD AREAS AND**  
16 **THE SPECIAL REGULATIONS AND LIMITATIONS GOVERNING DEVELOPMENT WITHIN**  
17 **THOSE AREAS, SEE THE FLOODPLAIN MANAGEMENT CODE, CITY CODE ARTICLE 7**  
18 **{“NATURAL RESOURCES”}, DIVISION I {“FLOODPLAIN MANAGEMENT”}.}**

19 **[104.10.1 Flood hazard areas.** The building official Building Official shall not grant  
20 modifications to any provision required in flood hazard areas as established by Section 1612.3  
21 unless a determination has been made that:]

- 22 [1. A showing of good and sufficient cause that the unique characteristics of the size,  
23 configuration or topography of the site render the elevation standards of Section 1612  
24 inappropriate.]
- 25 [2. A determination that failure to grant the variance would result in exceptional hardship by  
26 rendering the lot undevelopable.]
- 27 [3. A determination that the granting of a variance will not result in increased flood heights,  
28 additional threats to public safety, extraordinary public expense, cause fraud on or  
29 victimization of the public, or conflict with existing laws or ordinances.]
- 30 [4. A determination that the variance is the minimum necessary to afford relief, considering  
31 the flood hazard.]

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1 [5. Submission to the applicant of written notice specifying the difference between the  
2 design flood elevation and the elevation to which the building is to be built, stating that  
3 the cost of flood insurance will be commensurate with the increased risk resulting from  
4 the reduced floor elevation, and stating that construction below the design flood  
5 elevation increases risks to life and property.]

6 **104.11 Alternative materials, design and methods of construction and equipment.**  
7 *{As in IBC}*

8 **Section 107 Submittal Documents**

9 **107.2 Site plan.** The construction documents submitted with the application for permit must  
10 be accompanied by a site plan.

11 **107.2.1 General requirements.** The site plan must:

- 12 1. show to scale the size and location of new construction and existing structures on  
13 the site, distances from lot lines, the established street grades, and the proposed  
14 finished grades,
- 15 2. show, as applicable, [flood hazard areas] REGULATED FLOOD HAZARD AREAS,  
16 [floodways] FLOODWAYS, and design-flood elevations,
- 17 3. be drawn in accordance with an accurate boundary line survey, and  
18
- 19 4. comport with all other requirements of this section.

20 **Section 110 Inspections**

21 **110.1 to 110.2** *{As in IBC}*

22 **110.3 Required inspections.** *{As in IBC}*

23 **110.3.1 to 110.3.2** *{As in IBC}*

24 **110.3.3 Lowest floor elevation.** In A flood hazard [areas] AREA, [upon] ON placement  
25 of the lowest floor, including the basement, and [prior to] BEFORE UNDERTAKING ANY  
26 further vertical construction, the elevation [certification] CERTIFICATE required [in] BY  
27 [Section 1612.5] THE FLOODPLAIN MANAGEMENT CODE [shall] MUST be submitted to the  
28 [building official] BUILDING OFFICIAL.

29 **110.3.4 to 110.3.9** *{As in IBC}*

30 **110.3.10 Final inspection.** The final inspection [shall] MUST be made after all work  
31 required by the building permit is completed.

32 **110.3.10.1 Flood hazard documentation.** [If located] FOR STRUCTURES [located] in  
33 a flood hazard area, documentation of the elevation of the lowest floor, as required  
34 [in] BY [Section 1612.5] THE FLOODPLAIN MANAGEMENT CODE, [shall] MUST be  
35 submitted to the [building official] BUILDING OFFICIAL [prior to] BEFORE the final  
36 inspection.

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1       **110.4 to 110.6 {As in IBC}**

2                               **Chapter 2. Definitions; Rules of Construction**

3       **Section 202 Definitions**

4       **202.2 Supplemental definitions.** Notwithstanding any different definition in the  
5       International Building Code, the following terms have the meanings given in this § 202.2.

6               **202.2.1. Accessory structure.** “Accessory structure” means a structure:

- 7                   1. located on the same lot as the main structure, and
- 8                   2. the use of which is incidental to that of the main structure.

9               **202.2.2 Agent.** “Agent” means, as the context indicates, any person who:

- 10                   1. in any particular case involving any property:
  - 11                               a. is responsible for the management, maintenance, operation, rental,  
12                               leasing, or sale of the property,
  - 13                               b. applies for or seeks a permit or certificate from a City authority on  
14                               behalf of the owner of the property, or
  - 15                               c. in any way represents the owner of the property,
- 16                   2. represents the Building Official, or
- 17                   3. in general, represents another.

18               **202.2.3 Authorized use.** “Authorized use” means a use of land or structure approved in  
19       accordance with the Baltimore City Zoning Code.

20               **202.2.4 BASE FLOOD.** “BASE FLOOD” HAS THE MEANING STATED IN CITY CODE ARTICLE  
21       7 {“NATURAL RESOURCES”}, § 1-2 {“DEFINITIONS – “ACCESSORY STRUCTURE” TO  
22       “FLOODPLAIN DISTRICT”}.

23               **202.2.5 BASE-FLOOD ELEVATION.** “BASE-FLOOD ELEVATION” HAS THE MEANING  
24       STATED IN CITY CODE ARTICLE 7 {“NATURAL RESOURCES”}, § 1-2 {“DEFINITIONS –  
25       “ACCESSORY STRUCTURE” TO “FLOODPLAIN DISTRICT”}.

26               **202.2.6 BASEMENT (FOR FLOOD LOADS) {NOT ADOPTED}**

27               **202.2.7 [202.2.4] Blight.** “Blight” includes exterior surfaces defaced by carvings,  
28       markings, or graffiti.

29               **202.2.8 [202.2.5] Building.** “Building” has the meaning stated in IBC § 202 and, unless  
30       the context indicates otherwise, includes premises and lands.

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1       **202.2.9 [202.2.6] Building Official.** “Building Official” has the meaning stated in  
2       § 103.1 {“Enforcement agency”}.

3       **202.2.10 [202.2.7] Building permit.** “Building permit” means any permit issued under  
4       this Code.

5       **202.2.11 [202.2.8] Certificate of occupancy.** “Certificate of occupancy” means an  
6       occupancy permit.

7       **202.2.12 [202.2.9] Change in occupancy.** “Change in occupancy” means a change in  
8       the purpose or level of activity on land or within a structure.

9       **202.2.13 [202.2.10] Change of use.** “Change of use” means change in occupancy.

10       **202.2.14 [202.2.11] City.** “City” means the Mayor and City Council of Baltimore.

11       **202.2.15 [202.2.12] Code.** “Code” means, unless otherwise specified, the Building, Fire,  
12       and Related Codes of Baltimore City, as further defined in § 101.1 {“Title”}.

13       **202.2.16 [202.2.13] Demolition.** “Demolition”:

- 14           1. means razing or demolition, and
- 15           2. includes removal of the debris resulting from any razing or demolition.

16       **202.2.17 [202.2.14] Department.** “Department” means, unless the context clearly  
17       indicates otherwise, the Department of Building Safety, as further defined in § 103.1  
18       {“Enforcement agency”}.

19       **202.2.18 [202.2.15] Department of Building Safety.** “Department of Building Safety”  
20       has the meaning stated in § 103.1 {“Enforcement agency”}.

21       **202.2.19 DESIGN FLOOD.** “DESIGN FLOOD” HAS THE MEANING STATED IN CITY CODE  
22       ARTICLE 7 {“NATURAL RESOURCES”}, § 1-2 {“DEFINITIONS – “ACCESSORY STRUCTURE”  
23       TO “FLOODPLAIN DISTRICT”}.

24       **202.2.20 DESIGN-FLOOD ELEVATION.** “DESIGN-FLOOD ELEVATION” HAS THE MEANING  
25       STATED IN CITY CODE ARTICLE 7 {“NATURAL RESOURCES”}, § 1-2 {“DEFINITIONS –  
26       “ACCESSORY STRUCTURE” TO “FLOODPLAIN DISTRICT”}.

27       **202.2.21 DRY FLOODPROOFING.** “DRY FLOODPROOFING” HAS THE MEANING STATED IN  
28       CITY CODE ARTICLE 7 {“NATURAL RESOURCES”}, § 1-2 {“DEFINITIONS – “ACCESSORY  
29       STRUCTURE” TO “FLOODPLAIN DISTRICT”}.

30       **202.2.22 [202.2.16] Dwelling.** “Dwelling” includes, but is not limited to, any one or  
31       more of the following:

32           **202.2.22.1 [202.2.16.1] Boarding house. {As in IBC}**

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1           **202.2.22.2 [202.2.16.2] Dormitory.** “Dormitory” means a space in a building that  
2 provides group sleeping accommodations in 1 room or in a series of closely  
3 associated rooms for persons not members of the same family group.

4           **202.2.22.3 [202.2.16.3] Multiple-family dwelling.** “Multiple-family dwelling”  
5 means a building or part of a building that contains more than 2 dwelling units.

6           **202.2.22.4 [202.2.16.4] 1-family dwelling; single-family dwelling unit.** “1-family  
7 dwelling” or “single-family dwelling unit” means a building that contains only 1  
8 dwelling unit and is used only for that purpose.

9           **202.2.22.5 [202.2.16.5] 2-family dwelling.** “2-family dwelling” means a building  
10 that contains 2 dwelling units and is used only for that purpose.

11           **202.2.23 [202.2.17] Dwelling unit.** “Dwelling unit” means a single unit that provides or  
12 that is designed or intended to provide complete, independent living facilities for 1 or  
13 more persons, including permanent provisions for living, sleeping, eating, cooking, and  
14 sanitation.

15           **202.2.24 EXISTING CONSTRUCTION. {NOT ADOPTED}**

16           **202.2.25 EXISTING STRUCTURE (IN REGULATED FLOOD HAZARD AREAS).** “EXISTING  
17 STRUCTURE” MEANS ANY STRUCTURE FOR WHICH THE BUILDING PERMIT WAS ISSUED  
18 BEFORE MARCH 15, 1978, AND THE ACTUAL START OF CONSTRUCTION WAS WITHIN 180  
19 DAYS OF THE PERMIT DATE.

20           **202.2.25.1 “ACTUAL START OF CONSTRUCTION”.** FOR PURPOSES OF THIS  
21 DEFINITION, “ACTUAL START OF CONSTRUCTION” HAS THE MEANING STATED IN CITY  
22 CODE ARTICLE 7 {“NATURAL RESOURCES”}, § 1-2 {“DEFINITIONS – “ACCESSORY  
23 STRUCTURE” TO “FLOODPLAIN DISTRICT”}.

24           **202.2.26 EXISTING STRUCTURE (FOR § 1612.2). {NOT ADOPTED}**

25           **202.2.27 EXISTING STRUCTURE (FOR CHAPTER 34). {NOT ADOPTED}**

26           **202.2.28 FLOOD; FLOODING.** “FLOOD” OR “FLOODING” HAS THE MEANING STATED IN  
27 CITY CODE ARTICLE 7 {“NATURAL RESOURCES”}, § 1-2 {“DEFINITIONS – “ACCESSORY  
28 STRUCTURE” TO “FLOODPLAIN DISTRICT”}.

29           **202.2.29 FLOOD HAZARD AREA.** “FLOOD HAZARD AREA” MEANS A REGULATED FLOOD  
30 HAZARD AREA ESTABLISHED UNDER AND REGULATED BY THE FLOODPLAIN  
31 MANAGEMENT CODE.

32           **202.2.30 FLOOD INSURANCE RATE MAP; FIRM.** “FLOOD INSURANCE RATE MAP” OR  
33 “FIRM” HAS THE MEANING STATED IN CITY CODE ARTICLE 7 {“NATURAL RESOURCES”},  
34 § 1-2 {“DEFINITIONS – “ACCESSORY STRUCTURE” TO “FLOODPLAIN DISTRICT”}.

35           **202.2.31 FLOOD INSURANCE STUDY.** “FLOOD INSURANCE STUDY” HAS THE MEANING  
36 STATED IN CITY CODE ARTICLE 7 {“NATURAL RESOURCES”}, § 1-2 {“DEFINITIONS –  
37 “ACCESSORY STRUCTURE” TO “FLOODPLAIN DISTRICT”}.

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1 **202.2.32 FLOODPLAIN MANAGEMENT CODE.** “FLOODPLAIN MANAGEMENT CODE”  
2 MEANS THE BALTIMORE CITY FLOODPLAIN MANAGEMENT CODE, CITY CODE ARTICLE 7  
3 {“NATURAL RESOURCES”}, DIVISION I {“FLOODPLAIN MANAGEMENT”}.

4 **202.2.33 FLOODWAY.** “FLOODWAY” HAS THE MEANING STATED IN CITY CODE ARTICLE  
5 7 {“NATURAL RESOURCES”}, § 1-3 {“DEFINITIONS – “FLOODPROOFING” TO “WET  
6 FLOODPROOFING”}.

7 **202.2.34 [202.2.18] Foster care facility.** “Foster care facility” means a facility  
8 that provides care to more than 8 children who are 2½ years of age or less.

9 **202.2.35 [202.2.19] High-rise building.** “High-rise building” has the meaning stated in  
10 State Public Safety Article § 9-401.

11 **202.2.36 HISTORIC STRUCTURE.** “HISTORIC STRUCTURE” HAS THE MEANING STATED  
12 IN CITY CODE ARTICLE 7 {“NATURAL RESOURCES”}, § 1-3 {“DEFINITIONS –  
13 “FLOODPROOFING” TO “WET FLOODPROOFING”}.

14 **202.2.37 [202.2.20] International Codes.**

15 **202.2.37.1 [202.2.20.1] Energy Conservation Code.** “Energy Conservation Code”,  
16 “Baltimore City Energy Conservation Code”, or “International Energy Conservation  
17 Code” means the International Energy Conservation Code (2012 Edition), as  
18 supplemented, amended, or otherwise modified by Baltimore City.

19 **202.2.37.2 [202.2.20.2] Fire Code.** “Fire Code”, “Baltimore City Fire Code”,  
20 or “International Fire Code” means the International Fire Code (2012 Edition),  
21 as supplemented, amended, or otherwise modified by Baltimore City.

22 **202.2.37.3 [202.2.20.3] Fuel Gas Code.** “Fuel Gas Code”, “Baltimore City Fuel Gas  
23 Code”, or “International Fuel Gas Code” means the International Fuel Gas Code  
24 (2012 Edition), as supplemented, amended, or otherwise modified by Baltimore City.

25 **202.2.37.4 [202.2.20.4] Mechanical Code.** “Mechanical Code”, “Baltimore City  
26 Mechanical Code”, or “International Mechanical Code” means the International  
27 Mechanical Code (2012 Edition), as supplemented, amended, or otherwise modified  
28 by Baltimore City.

29 **202.2.37.5 [202.2.20.5] Plumbing Code.** “Plumbing Code”, “Baltimore City  
30 Plumbing Code”, or “International Plumbing Code” means the International Plumbing  
31 Code (2012 Edition), as supplemented, amended, or otherwise modified by Baltimore  
32 City.

33 **202.2.37.6 [202.2.20.6] Property Maintenance Code.** “Property Maintenance  
34 Code”, “Baltimore City Property Maintenance Code”, or “International Property  
35 Maintenance Code” means the International Property Maintenance Code (2012  
36 Edition), as supplemented, amended, or otherwise modified by Baltimore City.



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1           **202.2.37.7 [202.2.20.7] Residential Code.** “Residential Code”, “Baltimore City  
2 Residential Code”, or “International Residential Code” means the International  
3 Residential Code for One- and Two-Family Dwellings (2012 Edition), as  
4 supplemented, amended, or otherwise modified by Baltimore City.

5           **202.2.38 LOWEST FLOOR.** “LOWEST FLOOR” HAS THE MEANING STATED IN CITY CODE  
6 ARTICLE 7 {“NATURAL RESOURCES”}, § 1-3 {“DEFINITIONS – “FLOODPROOFING” TO  
7 “WET FLOODPROOFING”}.

8           **202.2.39 [202.2.21] May not, etc.** “May not”, “must not”, and “no ... may” are each  
9 mandatory negative terms used to establish a prohibition.

10           **202.2.40 [202.2.22] Mortgage.** “Mortgage” includes a deed of trust or other deed in the  
11 nature of a mortgage.

12           **202.2.41 [202.2.23] Mortgagee.** “Mortgagee” includes a beneficiary under a deed of  
13 trust or other deed in the nature of a mortgage.

14           **202.2.42 [202.2.24] Must/shall.** “Must” and “shall” are each mandatory terms used to  
15 express a requirement or to impose a duty.

16           **202.2.43 [202.2.25] National Codes.**

17           **202.2.43.1 [202.2.25.1] Electrical Code.** “Electrical Code”, “Baltimore City  
18 Electrical Code”, or “National Electrical Code” means the National Electrical Code  
19 (2011 Edition), as supplemented, amended, or otherwise modified by Baltimore City.

20           **202.2.44 [202.2.26] Occupancy.** “Occupancy” means:

- 21           1. the state of occupying or using any land or structure, or
- 22           2. the act of taking, holding possession of, or using any land or structure, or
- 23           3. the purpose for which any land or structure is used or occupied.

24           **202.2.45 [202.2.27] Occupancy permit.** “Occupancy permit” means a permit that:

- 25           1. signifies compliance with this Code and related laws, and
- 26           2. indicates the Building Official’s approval to occupy a structure  
27           for the authorized use.

28           **202.2.46 [202.2.28] Occupant.** “Occupant” means any person who uses or who has the  
29 right of possession of all or any part of a structure or premises.

30           **202.2.47 [202.2.29] Operator.** “Operator” means any person who has charge, care, or  
31 control of all or any part of a structure or premises.

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1           **202.2.48 [202.2.30] Person.** “Person”:

- 2           1. means any individual, sole proprietorship, corporation, limited liability company,  
3           firm, partnership, association, organization, joint venture, or other entity or group  
4           acting as a unit, executor, administrator, trustee, receiver, guardian, or other  
5           representative appointed by law, and
- 6           2. whenever used in this Code with reference to liability or to the imposition of a  
7           penalty or fine, includes:
- 8           a. as to an unincorporated firm, partnership, association, organization, or  
9           joint venture, the partners or members of the firm, partnership, association,  
10           organization, or joint venture,
- 11           b. as to a corporation, the officers, trustees, agents, or members of the  
12           corporation who are responsible for the violation of any relevant code  
13           provision, and
- 14           c. in addition, the responsible officer, trustee, partner, or member designated  
15           on a Registration Statement made under City Code Article 13, Subtitle 4  
16           {“Registration of Residential Properties”}.

17           **202.2.49 [202.2.31] Premises.** “Premises” means a lot or group of lots, together with all  
18           or any part of any buildings or structures on the lot or group of lots, considered as a unit  
19           devoted to a particular use, including accessory structures and open spaces required or  
20           used in connection with that particular use.

21           **202.2.50 [202.2.32] Rehabilitation.** “Rehabilitation” means all repairs and other work,  
22           of any kind, needed to make a dwelling or other structure fit to be occupied for its  
23           authorized use in conformity with all applicable standards and requirements of this Code.

24           **202.2.51 [202.2.33] Related laws.** “Related laws” has the meaning stated in § 104.6.2  
25           {“Authority to seek warrant”}.

26           **202.2.52 [202.2.35] Structure.** “Structure” has the meaning stated in IBC § 202 and,  
27           unless the context indicates otherwise, includes premises and lands.

28           **202.2.53 [202.2.36] Stabilization.** “Stabilization”, with reference to a structure that has  
29           been declared unsafe or unfit for occupancy, means all work of any kind, not amounting  
30           to rehabilitation, that is needed, or that is performed or required by the Building Official,  
31           to make the structure safe and secure, to prevent its further deterioration, and to eliminate  
32           its blighting influence.

33           **202.2.54 [202.2.37] Transfer.** “Transfer”, when used with respect to property subject to  
34           this Code, has the meaning stated in § 114.23 {“Responsibility of transferee”}.

35           **202.2.55 SUBSTANTIAL DAMAGE.** “SUBSTANTIAL DAMAGE” HAS THE MEANING STATED  
36           IN CITY CODE ARTICLE 7 {“NATURAL RESOURCES”}, § 1-3 {“DEFINITIONS –  
37           “FLOODPROOFING” TO “WET FLOODPROOFING”}.

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1 **202.2.56 SUBSTANTIAL IMPROVEMENT.** “SUBSTANTIAL IMPROVEMENT” HAS THE  
2 MEANING STATED IN CITY CODE ARTICLE 7 {“NATURAL RESOURCES”}, § 1-3  
3 {“DEFINITIONS – “FLOODPROOFING” TO “WET FLOODPROOFING”}.

4 **202.2.57 [202.2.38] Use.** “Use” means, unless the context indicates otherwise:

- 5 1. the purpose for which a building, structure, or land is used, occupied, or intended
- 6 to be used or occupied, and
- 7 2. any activity, occupation, business, or operation carried out on land or in a building
- 8 or structure.

9 **202.2.58 [202.2.40] Zoning Code.** “Zoning Code” means the Baltimore City Zoning  
10 Code, including the accompanying Zoning District Maps.

11 **Chapter 8. Interior Finishes**  
12 *{As in IBC}*

13 **Section 801 General**

14 **801.1 to 801.4** *{As in IBC}*

15 **801.5 Applicability.** For [buildings] STRUCTURES in A flood hazard [areas] AREA[, as  
16 established in Section 1612.3], interior finishes, trim, and decorative materials below the  
17 elevation required by [Section 1612] THE FLOODPLAIN MANAGEMENT CODE [shall be] MUST  
18 CONSIST OF flood-damage-resistant materials.

19 **801.6 to 801.8** *{As in IBC}*

20 **Sections 802 to 808** *{As in IBC}*

21 **Chapter 12. Interior Environment**  
22 *{As in IBC}*

23 **Sections 1201 to 1202** *{As in IBC}*

24 **Section 1203 Ventilation**

25 **1203.1 to 1203.2** *{As in IBC}*

26 **1203.3.2 Exceptions.** The following are exceptions to [Sections] §§ 1203.3 and 1203.3.1:

27 . . . .

- 28 5. For [buildings] STRUCTURES in A flood hazard [areas] AREA, [as established in
- 29 Section 1612.3,] the openings for under-floor ventilation [shall be] ARE deemed [as
- 30 meeting] TO MEET the flood opening requirements of ASCE 24, [provided that] IF the
- 31 ventilation openings are designed and installed in accordance with ASCE 24.

32 **1203.4 to 1203.5** *{As in IBC}*

33 **SECTIONS 1204 to 1209** *{As in IBC}*

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**Chapter 14. Exterior Walls**  
*[{As in IBC}]*

**Sections 1401 to 1402** *{As in IBC}*

**Section 1403 Performance Requirements**

**1403.1 to 1403.5** *{As in IBC}*

**1403.6 Flood resistance.** For [buildings] STRUCTURES in A flood hazard [areas] AREA, [as established in Section 1612.3,] exterior walls extending below the elevation required by [Section 1612] THE FLOODPLAIN MANAGEMENT CODE [shall] MUST be constructed with flood-damage-resistant materials. [Wood shall] ALL WOOD MUST be:

1. pressure-preservative treated in accordance with AWPA U1 for the species, product, and end use BY using a preservative listed in Section 4 of AWPA U1; or
2. THE decay-resistant heartwood of redwood, black locust, or cedar.

**1403.7 Flood resistance for high-velocity wave action areas.** For [buildings] STRUCTURES in A flood hazard [areas] AREA subject to high-velocity wave action [as established in Section 1612.3], electrical, PLUMBING, AND mechanical [and plumbing] system components [shall] MAY not be mounted on or penetrate through exterior walls that are designed to break away under flood loads.

**Chapter 16. Structural Design**

**Sections 1601 to [1606] 1602** *{As in IBC}*

**Section 1603 Construction Documents**

**1603.1 General.** *{As in IBC}*

**Exception:** Construction documents for buildings constructed in accordance with the conventional light-frame construction provisions of Section 2308 [shall] MUST indicate the following structural design information:

- 1 - 4. *{As in IBC}*
5. Flood design data, if located in A flood hazard [areas] AREA [established in Section 1612.3].
6. *{As in IBC}*

**1603.1.1 to 1603.1.6** *{As in IBC}*

**1603.1.7 Flood design data.** For [buildings] STRUCTURES located in whole or in part in A flood hazard [areas] AREA, [as established in Section 1612.3,] the documentation pertaining to design, if required [in Section 1612.5] BY THE FLOODPLAIN

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1 MANAGEMENT CODE, [shall] MUST be included, and the following information,  
2 referenced to the datum on the [community’s] CITY’S Flood Insurance Rate Map  
3 (FIRM), [shall] MUST be shown, regardless of whether flood loads govern the design  
4 of the [building] STRUCTURE:

- 5 1. In flood hazard areas not subject to high-velocity wave action, the elevation of  
6 the proposed lowest floor, including the basement.
- 7 2. In flood hazard areas not subject to high-velocity wave action, the elevation to  
8 which any nonresidential building will be dry [flood proofed] FLOODPROOFED.
- 9 3. In flood hazard areas subject to high-velocity wave action, the proposed  
10 elevation of the bottom of the lowest horizontal structural member of the  
11 lowest floor, including the basement.

12 **1603.1.8 to 1603.1.9 {As in IBC}**

13 **1604 to 1606 {As in IBC}**

14 **Sections 1608 to [1612] 1611 {As in IBC}**

15 **Section 1612 Flood Loads {NOT ADOPTED}**

16 {NOTE: FOR THE ESTABLISHMENT OF REGULATED FLOOD HAZARD AREAS AND THE  
17 SPECIAL REGULATIONS AND LIMITATIONS GOVERNING DEVELOPMENT WITHIN THOSE  
18 AREAS, SEE THE FLOODPLAIN MANAGEMENT CODE, CITY CODE ARTICLE 7 {“NATURAL  
19 RESOURCES”}, DIVISION I {“FLOODPLAIN MANAGEMENT”}.}

20 [1612.1 General. Within flood hazard areas as established in Section 1612.3, all new construction of  
21 buildings, structures and portions of buildings and structures, including substantial improvement and  
22 restoration of substantial damage to buildings and structures, shall be designed and constructed to  
23 resist the effects of flood hazards and flood loads. For buildings that are located in more than one  
24 flood hazard area, the provisions associated with the most restrictive flood hazard area shall apply.]

25 [1612.2 Definitions. The following terms are defined in Chapter 2:

- 26 Base flood.
- 27 Base-flood elevation.
- 28 Basement.
- 29 Design flood.
- 30 Design flood elevation.
- 31 Dry floodproofing.
- 32 Existing construction.
- 33 Existing structure.
- 34 Flood or Flooding.
- 35 Flood damage-resistant materials.
- 36 Flood hazard area.
- 37 Flood Hazard Area subject to high-velocity wave action.
- 38 Flood Insurance Rate Map (FIRM).
- 39 Flood Insurance Study.
- 40 Floodway.
- 41 Lowest floor.

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1 Special Flood Hazard Area.  
2 Start of construction.  
3 Substantial Damage.  
4 Substantial Improvement.]

5 **[1612.3 Establishment of flood hazard areas.** To establish flood hazard areas, the applicable  
6 governing authority shall adopt a flood hazard map and supporting data. The flood hazard map shall  
7 include, at a minimum, areas of special flood hazard as identified by the Federal Emergency  
8 Management Agency in an engineering report entitled “The Flood Insurance Study for **[insert name**  
9 **of jurisdiction]**,” dated **[insert date of issuance]**, as amended or revised with the accompanying  
10 Flood Insurance Rate Map (FIRM) and Flood Boundary and Floodway Map (FBFM) and related  
11 supporting data along with any revisions thereto. The adopted flood hazard map and supporting data  
12 are hereby adopted by reference and declared to be part of this section.]

13 **[1612.3.1 Design flood elevations.** Where design flood elevations are not included in the flood  
14 hazard areas established in Section 1612.3, or where floodways are not designated, the building  
15 official is authorized to require the applicant to:

- 16 1. Obtain and reasonably utilize any design flood elevation and floodway data available  
17 from a federal, state or other source; or
- 18 2. Determine the design flood elevation and/or floodway in accordance with accepted  
19 hydrologic and hydraulic engineering practices used to define special flood hazard areas.  
20 Determinations shall be undertaken by a registered design professional who shall  
21 document that the technical methods used reflect currently accepted engineering  
22 practice.]

23 **[1612.3.2 Determination of impacts.** In riverine flood hazard areas where design flood  
24 elevations are specified but floodways have not been designated, the applicant shall provide a  
25 floodway analysis that demonstrates that the proposed work will not increase the design flood  
26 elevation more than 1 foot (305 mm) at any point within the jurisdiction of the applicable  
27 governing authority.]

28 **[1612.4 Design and construction.** The design and construction of buildings and structures located  
29 in flood hazard areas, including flood hazard areas subject to high-velocity wave action, shall be in  
30 accordance with Chapter 5 of ASCE 7 and with ASCE 24.]

31 **[1612.5 Flood hazard documentation.** The following documentation shall be prepared and sealed  
32 by a registered design professional and submitted to the building official:]

33 [1. For construction in flood hazard areas not subject to high-velocity wave action:

34 1.1. The elevation of the lowest floor, including the basement, as required by the lowest  
35 floor elevation inspection in Section 110.3.3.

36 1.2. For fully enclosed areas below the design flood elevation where provisions to allow  
37 for the automatic entry and exit of floodwaters do not meet the minimum  
38 requirements in Section 2.6.2.1 of ASCE 24, construction documents shall include a  
39 statement that the design will provide for equalization of hydrostatic flood forces in  
40 accordance with Section 2.6.2.2 of ASCE 24.

41 1.3. For dry floodproofed nonresidential buildings, construction documents shall include  
42 a statement that the dry floodproofing is designed in accordance with ASCE 24.]

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1 [2. For construction in flood hazard areas subject to high velocity wave action:

2 2.1. The elevation of the bottom of the lowest horizontal structural member as required  
3 by the lowest floor elevation inspection in Section 110.3.3.

4 2.2. Construction documents shall include a statement that the building is designed in  
5 accordance with ASCE 24, including that the pile or column foundation and building  
6 or structure to be attached thereto is designed to be anchored to resist flotation,  
7 collapse and lateral movement due to the effects of wind and flood loads acting  
8 simultaneously on all building components, and other load requirements of Chapter  
9 16.

10 2.3. For breakaway walls designed to have a resistance of more than 20 psf (0.96 kN/m<sup>2</sup>)  
11 determined using allowable stress design, construction documents shall include a  
12 statement that the breakaway wall is designed in accordance with ASCE 24.]

### 13 Chapter 18. Soils and Foundations

#### 14 Section 1804 Excavation, Grading, and Fill *{As in IBC}*

##### 15 1804.1 to 1804.3 *{As in IBC}*

16 **1804.4 Grading and fill in flood hazard areas.** In flood hazard areas [established in BY  
17 Section 1612.3], grading [and/or] OR fill [shall] MAY not be approved:

- 18 1. [Unless such] UNLESS THE fill is placed, compacted, and sloped to minimize  
19 shifting, slumping, and erosion during the rise and fall of [flood water]  
20 FLOODWATERS and, as applicable, wave action[.];
- 21 2. [In] IN floodways, unless it has been demonstrated through hydrologic and  
22 hydraulic analyses, [performed] PREPARED by a [registered design professional]  
23 LICENSED PROFESSIONAL ENGINEER in accordance with [standard engineering  
24 practice] THE REQUIREMENTS OF THE FEDERAL EMERGENCY MANAGEMENT  
25 AGENCY AND THE MARYLAND DEPARTMENT OF THE ENVIRONMENT, that the  
26 proposed grading or fill[, or both,] will not result in any increase in flood levels  
27 during the occurrence of the design flood[.];
- 28 3. [In] IN flood hazard areas subject to high-velocity wave action, unless [such] THE  
29 fill is conducted [and/or] OR placed to avoid diversion of water and waves toward  
30 any [building or] structure[.]; OR
- 31 4. [Where] WHERE design- flood elevations are specified but floodways have not  
32 been designated, unless it has been demonstrated that the cumulative effect of the  
33 proposed [flood hazard area] encroachment, when combined with all other  
34 existing and anticipated [flood hazard area encroachment] ENCROACHMENTS, will  
35 not increase the design-flood elevation [more than 1 foot (305 mm)] at any point.

##### 36 1804.5 to 1804.6 *{As in IBC}*

#### 37 Section 1805 Dampproofing and Waterproofing

##### 38 1805.1 General. *{As in IBC}*

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1 **1805.1.1 Story above grade plane. {As in IBC}**

2 **1805.1.2 Upper floor space. {As in IBC}**

3 **1805.1.2.1 Flood hazard areas.** For [buildings and] structures in A flood hazard  
4 [areas] AREA, [as established in Section 1612.3,] the finished ground level of an  
5 under-floor space, such as a crawl space, [shall] MUST be equal to or higher than the  
6 outside finished ground level on at least [one] 1 side.

7 **Exception:** Under-floor spaces of Group R-3 buildings that meet the  
8 requirements of FEMA/FIA-TB-11.

9 **1805.1.3 Ground-water control. {As in IBC}**

10 **1805.2 to 1805.4 {As in IBC}**

11 **Chapter 30. Elevators and Conveying Systems**  
12 *[{As in IBC, subject to following Note}]*

13 **Section 3001 General**

14 **3001.1 Scope. {As in IBC}**

15 **3001.2 Referenced standards.** Except as otherwise provided for in this [code] CODE, the  
16 design, construction, installation, alteration, repair, and maintenance of elevators, [and]  
17 conveying systems, and their components [shall] MUST conform to ASME A17.1/CSA B44,  
18 ASME A90.1, ASME B20.1, ALI ALCTV, and, [ASCE 24] for construction in flood hazard  
19 areas, [established in Section 1612.3,] ASCE 24.

20 **3001.3 to 3001.4 {As in IBC}**

21 **SECTIONS 3002 to 3008 {As in IBC}**

22 **Appendix G. Flood-Resistant Construction**  
23 *{NOT ADOPTED}*

24 **Part IV. International Fuel Gas Code**

25 **§ 4-102. City modifications.**

26 The additions, deletions, amendments, and other modifications adopted by the City are as  
27 follows:

28 **Chapter 2. Definitions**

29 **Section 202 General Definitions**

30 **202.2 Supplemental definitions** Notwithstanding any different definition in the  
31 International Fuel Gas Code, the following terms have the meanings given in this § 202.2.



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1 **202.2.1 Building.** “Building” has the meaning stated in § 202.2 of the Baltimore City  
2 Building Code.

3 **202.2.2 Code Official.** “Code Official” has the meaning stated in § 103.1 of this Code.

4 **202.2.3 DESIGN-FLOOD ELEVATION.** *{NOT ADOPTED}*.

5 **202.2.4 FLOOD HAZARD AREA.** “FLOOD HAZARD AREA” MEANS A REGULATED FLOOD  
6 HAZARD AREA ESTABLISHED UNDER AND REGULATED BY THE FLOODPLAIN  
7 MANAGEMENT CODE.

8 **202.2.5 FLOODPLAIN MANAGEMENT CODE.** “FLOODPLAIN MANAGEMENT CODE”  
9 MEANS THE BALTIMORE CITY FLOODPLAIN MANAGEMENT CODE, CITY CODE ARTICLE 7  
10 {“NATURAL RESOURCES”}, DIVISION I {“FLOODPLAIN MANAGEMENT”}.

11 **202.2.6 [202.2.3] May not, etc.** “May not”, “must not”, and “no ... may” are each  
12 mandatory negative terms used to establish a prohibition.

13 **202.2.7 [202.2.4] Must/shall.** “Must” and “shall” are each mandatory terms used to  
14 express a requirement or to impose a duty.

15 **202.2.8 [202.2.5] Occupancy.** “Occupancy” has the meaning stated in § 202.2 of the  
16 Baltimore City Building Code.

17 **202.2.9 [202.2.6] Premises.** “Premises” has the meaning stated in § 202.2 of the  
18 Baltimore City Building Code.

### 19 Chapter 3. General Regulations

#### 20 Section 301 General

21 **301.1 to 301.10** *{As in IFGC}*

22 **301.11 Flood hazard AREAS.** [For] IN A FLOOD HAZARD AREA, [structures located in flood  
23 hazard areas,] the appliance, equipment, and system installations regulated by this code  
24 [shall] MUST be located at or above the elevation required by [Section 1612 of the  
25 International Building Code] THE FLOODPLAIN MANAGEMENT CODE for [utilities] ELECTRIC,  
26 PLUMBING, AND MECHANICAL SYSTEMS and their attendant COMPONENTS AND equipment.

27 **[Exception:** The appliance, equipment and system installations regulated by this code  
28 are permitted to be located below the elevation required by Section 1612 of the  
29 International Building Code for utilities and attendant equipment provided that they are  
30 designed and installed to prevent water from entering or accumulating within the  
31 components and to resist hydrostatic and hydrodynamic loads and stresses, including the  
32 effects of buoyancy, during the occurrence of flooding to such elevation.]

33 **301.12 to 301.15** *{As in IFGC}*

34 **Sections 302 [301] to 306** *{As in IFGC}*

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## Part V. International Mechanical Code

### § 5-102. City modifications.

The additions, deletions, amendments, and other modifications adopted by the City are as follows:

#### Chapter 2. Definitions

##### Section 202 General Definitions

**202.2 Supplemental definitions** Notwithstanding any different definition in the International Mechanical Code, the following terms have the meanings given in this § 202.2.

**202.2.1 Building.** “Building” has the meaning stated in IMC § 202 and, unless the context indicates otherwise, includes premises and lands.

**202.2.2 Code Official.** “Code Official” has the meaning stated in § 103.1 of this Code.

**202.2.3 DESIGN-FLOOD ELEVATION.** “DESIGN-FLOOD ELEVATION” HAS THE MEANING STATED IN CITY CODE ARTICLE 7 {“NATURAL RESOURCES”}, § 1-2 {“DEFINITIONS – “ACCESSORY STRUCTURE” TO “FLOODPLAIN DISTRICT”}.

**202.2.4 FLOOD; FLOODING.** “FLOOD” OR “FLOODING” HAS THE MEANING STATED IN CITY CODE ARTICLE 7 {“NATURAL RESOURCES”}, § 1-2 {“DEFINITIONS – “ACCESSORY STRUCTURE” TO “FLOODPLAIN DISTRICT”}.

**202.2.5 FLOOD HAZARD AREA.** “FLOOD HAZARD AREA” MEANS A REGULATED FLOOD HAZARD AREA ESTABLISHED UNDER AND REGULATED BY THE FLOODPLAIN MANAGEMENT CODE

**202.2.6 FLOODPLAIN MANAGEMENT CODE.** “FLOODPLAIN MANAGEMENT CODE” MEANS THE BALTIMORE CITY FLOODPLAIN MANAGEMENT CODE, CITY CODE ARTICLE 7 {“NATURAL RESOURCES”}, DIVISION I {“FLOODPLAIN MANAGEMENT”}.

**202.2.7 [202.2.3] May not, etc.** “May not”, “must not”, and “no ... may” are each mandatory negative terms used to establish a prohibition.

**202.2.8 [202.2.4] Must/shall.** “Must” and “shall” are each mandatory terms used to express a requirement or to impose a duty.

**202.2.9 [202.2.5] Occupancy.** “Occupancy” has the meaning stated in § 202.2 of the Baltimore City Building Code.

**202.2.10 [202.2.6] Premises.** “Premises” has the meaning stated in § 202.2 of the Baltimore City Building Code.

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## Chapter 3. General Regulations

### Section 301 General.

#### 301.12 to 301.15 *{As in IMC}*

**301.16 Flood hazard AREAS.** For structures [located] in A flood hazard [areas] AREA, mechanical systems, equipment, and appliances [shall] MUST be located at or above the elevation required by [Section 1612 of the International Building Code] THE FLOODPLAIN MANAGEMENT CODE for [utilities] ELECTRIC, PLUMBING, AND MECHANICAL SYSTEMS and their attendant COMPONENTS AND equipment.

#### Exception *{NOT ADOPTED}*

[Mechanical systems, equipment and appliances are permitted to be located below the elevation required by Section 1612 of the of the International Building Code for utilities and attendant equipment provided that they are designed and installed to prevent water from entering or accumulating within the components and to resist hydrostatic and hydrodynamic loads and stresses, including the effects of buoyancy, during the occurrence of flooding up to such elevation.]

**301.16.1 High-velocity wave action.** In A flood hazard [areas] ARE4A subject to high-velocity wave action, mechanical systems and equipment [shall] MAY not be mounted on or penetrate walls intended to break away under flood loads.

## Chapter 5. Exhaust Systems

### Section 501 General

**501.3.1 Location of exhaust outlets.** The termination point of exhaust outlets and ducts discharging to the outdoors shall be located with the following minimum distances:

1. to 3. *{As in IMC}*

4. Exhaust outlets serving structures in A flood hazard [areas shall] AREA MUST be installed at or above the elevation required by [Section 1612 of the International Building Code] THE FLOODPLAIN MANAGEMENT CODE for [utilities] ELECTRIC, PLUMBING, AND MECHANICAL SYSTEMS and their attendant COMPONENTS AND equipment.

5. *{As in IMC}*

**501.3.1.1 Exhaust discharge.** *{As in IMC}*

## Chapter 6. Duct Systems

### Section 602 Plenums

**602.4 Flood hazard AREAS.** For structures [located] in a flood hazard [areas] AREA, plenum spaces [shall] MUST be located above the elevation required by [Section 1612 of the

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1 International Building Code] THE FLOODPLAIN MANAGEMENT CODE for [utilities] ELECTRIC,  
2 PLUMBING, AND MECHANICAL SYSTEMS and their attendant COMPONENTS AND equipment or  
3 [shall be] designed and constructed to prevent water from entering or accumulating within the  
4 plenum spaces during floods up to [such] THAT elevation. [If the plenum spaces are located  
5 below the elevation required by Section 1612 of the International Building Code for utilities  
6 and attendant equipment, they shall be capable of resisting hydrostatic and hydrodynamic  
7 loads and stresses, including the effects of buoyancy, during the occurrence of flooding up to  
8 such elevation.]

### 9 Section 603 Duct Construction and Installation

10 **603.1 to 603.12** *{As in IMC}*

11 **603.13 Flood hazard areas.** For structures in A flood hazard [areas] AREA, ducts [shall]  
12 MUST be located above the elevation required by [Section 1612 of the International Building  
13 Code] THE FLOODPLAIN MANAGEMENT CODE for [utilities] ELECTRIC, PLUMBING, AND  
14 MECHANICAL SYSTEMS and their attendant COMPONENTS AND equipment or [shall be]  
15 designed and constructed to prevent water from entering or accumulating within the ducts  
16 during floods up to [such] THAT elevation. [If the ducts are located below the elevation  
17 required by Section 1612 of the International Building Code for utilities and attendant  
18 equipment, the ducts shall be capable of resisting hydrostatic and hydrodynamic loads and  
19 stresses, including the effects of buoyancy, during the occurrence of flooding up to such  
20 elevation.]

21 **603.14 to 603.18** *{As in IMC}*

22 **Sections 604 [603] to 607** *{As in IMC}*

### 23 Chapter 12. Hydronic Piping 24 *{As in IMC}*

25 **Sections 1201 to 1205** *{As in IMC}*

26 **Section 1206 Piping Installation**

27 **1206.1 to 1206.8** *{As in IMC}*

28 **1206.9 Strains and stresses** *{As in IMC}*

29 **1206.9.1 Flood hazard AREAS.** Piping located in a flood hazard area [shall] MUST be  
30 capable of resisting hydrostatic and hydrodynamic loads and stresses, including the  
31 effects of buoyancy, during the occurrence of flooding to the [design] DESIGN-flood  
32 elevation.

### 33 Chapter 13. Fuel Oil Piping and Storage 34 *{As in IMC}*

35 **Sections 1301 to 1304** *{As in IMC}*

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### 1 Section 1305 Fuel Oil System Installation

2 **1305.1 Size.** *{As in IMC}*

3 **1305.2 Protection of pipe, equipment, and appliances.** *{As in IMC}*

4 **1305.2.1 Flood hazard.** All fuel oil pipe, equipment, and appliances located in A flood  
5 hazard [areas shall] AREA MUST be located above the elevation required by [Section 1612  
6 of the International Building Code] THE FLOODPLAIN MANAGEMENT CODE for [utilities]  
7 ELECTRIC, PLUMBING, AND MECHANICAL SYSTEMS and their attendant COMPONENTS AND  
8 equipment or [shall be] capable of resisting hydrostatic and hydrodynamic loads and  
9 stresses, including the effects of buoyancy, during the occurrence of flooding up to [such]  
10 THAT elevation.

### 11 Part VI. International Plumbing Code

#### 12 § 6-102. City modifications.

13 The additions, deletions, amendments, and other modifications adopted by the City are as  
14 follows:

#### 15 Chapter 2. Definitions

#### 16 Section 202 General Definitions

17 **202.2 Supplemental definitions.** Notwithstanding any different definition in the  
18 International Plumbing Code, the following terms have the meanings given in this § 202.2.

19 **202.2.1 Building.** “Building” has the meaning stated in § 202.2 of the Baltimore City  
20 Building Code.

21 **202.2.2 [202.2.1] Code Official.** “Code Official” has the meaning stated in § 103.1 of  
22 this Code.

23 **202.2.3 DESIGN-FLOOD ELEVATION.** *{NOT ADOPTED}*.

24 **202.2.4 FLOOD HAZARD AREA.** “FLOOD HAZARD AREA” MEANS A REGULATED FLOOD  
25 HAZARD AREA ESTABLISHED UNDER AND REGULATED BY THE BALTIMORE CITY  
26 FLOODPLAIN MANAGEMENT CODE, CITY CODE ARTICLE 7 {“NATURAL RESOURCES”},  
27 DIVISION I {“FLOODPLAIN MANAGEMENT”}

28 **202.2.5 [202.2.2] May not, etc.** “May not”, “must not”, and “no ... may” are each  
29 mandatory negative terms used to establish a prohibition.

30 **202.2.6 [202.2.3] Must/shall.** “Must” and “shall” are each mandatory terms used to  
31 express a requirement or to impose a duty.

32 **202.2.7 [202.2.4] Occupancy.** “Occupancy” has the meaning stated in § 202.2 of the  
33 Baltimore City Building Code.

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## Chapter 3. General Regulations

### Sections 306 to [313] 308 {As in IPC}

#### Section 309 Flood Hazard Resistance

**309.1 General.** [Plumbing] IN A FLOOD HAZARD AREA, PLUMBING systems [and equipment in structures erected in flood hazard areas shall] MUST be constructed, LOCATED, AND INSTALLED in accordance with the requirements of [this section and the International Building Code] THE BALTIMORE CITY FLOODPLAIN MANAGEMENT CODE, CITY CODE ARTICLE 7 {"NATURAL RESOURCES"}, DIVISION I {"FLOODPLAIN MANAGEMENT"}.

**309.2 [Flood hazard.** For structures located in flood hazard areas,] THE REQUIREMENTS OF THIS § 309 APPLY TO ALL PLUMBING SYSTEMS, THEIR ATTENDANT COMPONENTS AND EQUIPMENT, INCLUDING the following [systems and equipment shall be located and installed as required by Section 1612 of the International Building Code.]:

[**Exception:** The following systems are permitted to be located below the elevation required by Section 1612 of the International Building Code for utilities and attendant equipment provided that the systems are designed and installed to prevent water from entering or accumulating within their components and the systems are constructed to resist hydrostatic and hydrodynamic loads and stresses, including the effects of buoyancy, during the occurrence of flooding to up to such elevation.]

1. [All] ALL water service pipes[.],
2. [Pump] PUMP seals in individual water supply systems [where the pump is located below the design flood elevation.],
3. Covers on potable water wells [shall be sealed, except where the top of the casing well or pipe sleeve is elevated to not less than 1 foot (305 mm) above the design flood elevation.],
4. [All] ALL sanitary drainage piping[.],
5. [All] ALL storm drainage piping[.],
6. [Manhole] MANHOLE covers [shall be sealed, except where elevated to or above the design flood elevation.],
7. [All] ALL other plumbing fixtures, faucets, fixture fittings, piping systems, and equipment[.],
8. [Water] WATER heaters[.], AND
9. [Vents] VENTS and vent systems.

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1 **[309.3 Flood hazard areas subject to high-velocity wave action.** Structures located in  
2 flood hazard areas subject to high-velocity wave action shall meet the requirements of  
3 Section 309.2. The plumbing systems, pipes and fixtures shall not be mounted on or  
4 penetrate through walls intended to break away under flood loads.]

5 **Sections 310 to 316 {As in IPC}**

6 **Part X. International Residential Code**

7 **§ 10-102. City modifications.**

8  
9 The additions, deletions, amendments, and other modifications adopted by the City are as  
10 follows:

11 **Chapter 1. Scope and Administration**

12 **Section 104 Duties and Powers of Building Official**

13 **104.9 [to 104.11] {As in IRC}**

14 **104.10 Modifications. {As in IRC}**

15 **104.10.1 Flood hazard areas.** The [building official] BUILDING OFFICIAL [shall] MAY  
16 not grant modifications to any provision related to flood hazard areas [as established by  
17 Table R301.2(1)] without [the granting of] a variance HAVING BEEN GRANTED [to such  
18 provisions by the board of appeals] UNDER THE FLOODPLAIN MANAGEMENT CODE.

19 **104.11 {As in IRC}**

20 **Section 105 Permits.**

21 **105.3.1.1 Determination of substantially improved or substantially damaged**  
22 **existing buildings in flood hazard areas.** [*Substitute “in an administrative*  
23 *review” for “by the board of appeals”. Otherwise as in IRC.*] For applications for  
24 reconstruction, rehabilitation, addition, or other improvement of AN existing  
25 [buildings or structures] STRUCTURE [located] in a flood hazard area [as established  
26 by Table R301.2(1)], the [building official shall] BUILDING OFFICIAL MUST examine  
27 [or cause to be examined] the construction documents and shall prepare [a finding]  
28 FINDINGS with regard to [the value of the proposed work] WHETHER THE STRUCTURE  
29 HAS SUSTAINED “SUBSTANTIAL DAMAGE”AND WHETHER THE PROPOSED  
30 IMPROVEMENT IS A “SUBSTANTIAL IMPROVEMENT”, AS THESE TERMS ARE DEFINED IN  
31 AND CALCULATED UNDER THE FLOODPLAIN MANAGEMENT CODE. [For buildings that  
32 have sustained damage of any origin, the value of the proposed work shall include the  
33 cost to repair the building or structure to its predamaged condition. If the building  
34 official finds that the value of proposed work equals or exceeds 50 percent of the  
35 market value of the building or structure before the damage has occurred or the  
36 improvement is started, the] THE BUILDING OFFICIAL MUST SUBMIT THESE [finding]  
37 FINDINGS [shall be provided] to the [board of appeals] FLOODPLAIN MANAGER for a  
38 determination of “substantial improvement” [or substantial damage]. Applications

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1 determined by the [board of appeals] FLOODPLAIN MANAGER to constitute A  
2 “substantial improvement” [or substantial damage shall] require [all existing portions  
3 of the entire building or structure to meet] FULL COMPLIANCE WITH the requirements  
4 of [Section R322] THE FLOODPLAIN MANAGEMENT CODE.

### 5 **Section 106 Construction Documents**

#### 6 **106.1 Submittal documents. {As in IRC}**

##### 7 **106.1.1 to 106.1.2 {As in IRC}**

##### 8 **106.1.3 INFORMATION FOR CONSTRUCTION IN FLOOD HAZARD AREAS. {NOT ADOPTED}**

9 {NOTE: FOR THE ESTABLISHMENT OF REGULATED FLOOD HAZARD AREAS  
10 AND THE SPECIAL REGULATIONS AND LIMITATIONS GOVERNING DEVELOPMENT  
11 WITHIN THOSE AREAS, SEE THE FLOODPLAIN MANAGEMENT CODE, CITY CODE  
12 ARTICLE 7 {“NATURAL RESOURCES”}, DIVISION I {“FLOODPLAIN  
13 MANAGEMENT”}.}

14 [106.1.3 Information for construction in flood hazard areas. For buildings and structures  
15 located in whole or in part in A flood hazard areas, as established by Table R301.2(1),  
16 construction documents shall include:

- 17 1. Delineation of flood hazard areas, floodway boundaries and flood zones and the design  
18 flood elevation, as appropriate;
- 19 2. The elevation of the proposed lowest floor, including basement; in areas of shallow  
20 flooding (AO Zones), the height of the proposed lowest floor, including basement, above  
21 the highest adjacent grade;
- 22 3. The elevation of the bottom of the lowest horizontal structural member in coastal high  
23 hazard areas (V Zone); and
- 24 4. If design flood elevations are not included on the community’s Flood Insurance Rate  
25 Map (FIRM), the building official and the applicant shall obtain and reasonably utilize  
26 any design flood elevation and floodway data available from other sources.]

### 27 **Section 107 Temporary Structures and Uses {As in IRC}**

### 28 **Section 109 Inspections**

#### 29 **109.1 Type of inspection. {As in IRC}**

##### 30 **109.1.1 TO 109.1.2 {As in IRC}**

31 **109.1.3 Floodplain inspections.** For construction in A flood hazard [areas] AREA, [as  
32 established by Table R301.2(1),] [upon] ON placement of the lowest floor, including THE  
33 basement, and [prior to] BEFORE UNDERTAKING ANY further vertical construction, [the  
34 building official shall require submission of documentation, prepared and sealed by a



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1 registered design professional, of the elevation of the lowest floor, including basement,  
2 required in Section R322] THE ELEVATION CERTIFICATE REQUIRED BY THE FLOODPLAIN  
3 MANAGEMENT CODE MUST BE SUBMITTED TO THE BUILDING OFFICIAL.

### 4 **109.1.4 to 109.1.5** *{As in IRC}*

### 5 **109.1.6 Final inspection.** *{As in IRC}*

6 **109.1.6.1 Elevation documentation.** [If located] FOR A STRUCTURE in a flood  
7 hazard area, the documentation of THE elevations required [in] BY [Section  
8 R322.1.10] THE FLOODPLAIN MANAGEMENT CODE [shall] MUST be submitted to the  
9 [building official] BUILDING OFFICIAL [prior to] BEFORE the final inspection.

## 10 **Chapter 2. Definitions**

### 11 **Section 202 General definitions**

12 **202.2 Supplemental definitions.** Notwithstanding any different definition in the  
13 International Residential Code, the following terms have the meanings given in this § 202.2.

14 **202.2.1 Building.** “Building” has the meaning stated in § 202.2 of the Baltimore City  
15 Building Code.

16 **202.2.2 FLOOD; FLOODING.** “FLOOD” OR “FLOODING” HAS THE MEANING STATED IN  
17 CITY CODE ARTICLE 7 {“NATURAL RESOURCES”}, § 1-2 {“DEFINITIONS – “ACCESSORY  
18 STRUCTURE” TO “FLOODPLAIN DISTRICT”}.

19 **202.2.3 FLOOD HAZARD AREA.** “FLOOD HAZARD AREA” MEANS A REGULATED FLOOD  
20 HAZARD AREA ESTABLISHED UNDER AND REGULATED BY THE FLOODPLAIN  
21 MANAGEMENT CODE.

22 **202.2.4 FLOODPLAIN MANAGEMENT CODE.** “FLOODPLAIN MANAGEMENT CODE”  
23 MEANS THE BALTIMORE CITY FLOODPLAIN MANAGEMENT CODE, CITY CODE ARTICLE 7  
24 {“NATURAL RESOURCES”}, DIVISION I {“FLOODPLAIN MANAGEMENT”}.

25 **202.2.5 [202.2.2] May not, etc.** “May not”, “must not”, and “no ... may” are each  
26 mandatory negative terms used to establish a prohibition.

27 **202.2.6 [202.2.3] Must/shall.** “Must” and “shall” are each mandatory terms used to  
28 express a requirement or to impose a duty.

29 **202.2.7 [202.2.4] Occupancy.** “Occupancy” has the meaning stated in § 202.2 of the  
30 Baltimore City Building Code.

31 **202.2.8 [202.2.5] Premises.** “Premises” has the meaning stated in § 202.2 of the  
32 Baltimore City Building Code.

33 **202.2.9 STRUCTURE.** “STRUCTURE” HAS THE MEANING STATED IN § 202.2 OF THE  
34 BALTIMORE CITY BUILDING CODE.

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**Chapter 3. Building Planning**

**Section 301 Design Criteria**

**301.1 Application.** *{As in IRC}*

**301.2 Climatic and geographic design criteria.** *{As in IRC}*

**301.2.1 to 301.2.3** *{As in IRC}*

**301.2.4 FLOODPLAIN CONSTRUCTION.** *{NOT ADOPTED}*

**{NOTE: FOR THE ESTABLISHMENT OF REGULATED FLOOD HAZARD AREAS AND THE SPECIAL REGULATIONS AND LIMITATIONS GOVERNING DEVELOPMENT WITHIN THOSE AREAS, SEE THE FLOODPLAIN MANAGEMENT CODE, CITY CODE ARTICLE 7 {"NATURAL RESOURCES"}, DIVISION I {"FLOODPLAIN MANAGEMENT"}.**

**[301.2.4 Floodplain construction.** Buildings and structures constructed in whole or in part in flood hazard areas (including A or V Zones) as established in Table R301.2(1) shall be designed and constructed in accordance with Section R322. Buildings and structures located in whole or in part in identified floodways shall be designed and constructed in accordance with ASCE 24.]

**[301.2.4.1 Alternative provisions.** As an alternative to the requirements in Section R322.3 for buildings and structures located in whole or in part in coastal high-hazard areas (V Zones) and coastal A Zones, if delineated, ASCE 24 is permitted subject to the limitations of this code and the limitations therein.]

**Section 309 Garages, Carports, Driveways, etc.**

**309.1 to [309.5] 309.2** *{As in IRC}*

**309.3 Flood hazard areas.** *{NOT ADOPTED}*

**{NOTE: FOR THE ESTABLISHMENT OF REGULATED FLOOD HAZARD AREAS AND THE SPECIAL REGULATIONS AND LIMITATIONS GOVERNING DEVELOPMENT WITHIN THOSE AREAS, SEE THE FLOODPLAIN MANAGEMENT CODE, CITY CODE ARTICLE 7 {"NATURAL RESOURCES"}, DIVISION I {"FLOODPLAIN MANAGEMENT"}.**

**[309.3 Flood hazard areas.** For buildings located in flood hazard areas as established by Table R301.2(1), garage floors shall be:

1. Elevated to or above the design flood elevation as determined in Section R322; or
2. Located below the design flood elevation provided they are at or above *grade* on at least one side, are used solely for parking, building access, or storage, meet the requirements of Section R322, and are otherwise constructed in accordance with this code.]

**309.4 to 309.5** *{As in IRC}*

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**SECTION 322 FLOOD-RESISTANT CONSTRUCTION *{NOT ADOPTED}***

**{NOTE: FOR THE ESTABLISHMENT OF REGULATED FLOOD HAZARD AREAS AND THE SPECIAL REGULATIONS AND LIMITATIONS GOVERNING DEVELOPMENT WITHIN THOSE AREAS, SEE THE FLOODPLAIN MANAGEMENT CODE, CITY CODE ARTICLE 7 {"NATURAL RESOURCES"}, DIVISION I {"FLOODPLAIN MANAGEMENT"}.**

**[Section 322 Flood-Resistant Construction]**

**[322.1 General.** Buildings and structures constructed in whole or in part in flood hazard areas (including A or V Zones) as established in Table R301.2(1) shall be designed and constructed in accordance with the provisions contained in this section. Buildings and structures located in whole or in part in identified floodways shall be designed and constructed in accordance with ASCE 24.]

**[322.1.1 Alternative provisions.** As an alternative to the requirements in Section R322.3 for buildings and structures located in whole or in part in coastal high-hazard areas (V Zones) and Coastal A Zones, if delineated, ASCE 24 is permitted subject to the limitations of this code and the limitations therein.]

**[322.1.2 Structural systems.** All structural systems of all buildings and structures shall be designed, connected and anchored to resist flotation, collapse or permanent lateral movement due to structural loads and stresses from flooding equal to the design flood elevation.]

**[322.1.3 Flood-resistant construction.** All buildings and structures erected in areas prone to flooding shall be constructed by methods and practices that minimize flood damage.]

**[322.1.4 Establishing the design flood elevation.** The design flood elevation shall be used to define flood hazard areas. At a minimum, the design flood elevation is the higher of:

1. The base flood elevation at the depth of peak elevation of flooding (including wave height) which has a 1 percent (100-year flood) or greater chance of being equaled or exceeded in any given year; or
2. The elevation of the design flood associated with the area designated on a flood hazard map adopted by the community, or otherwise legally designated.]

**[322.1.4.1 Determination of design flood elevations.** If design flood elevations are not specified, the building official is authorized to require the applicant to:

1. Obtain and reasonably use data available from a federal, state or other source; or
2. Determine the design flood elevation in accordance with accepted hydrologic and hydraulic engineering practices used to define special flood hazard areas. Determinations shall be undertaken by a registered design professional who shall document that the technical methods used reflect currently accepted engineering practice. Studies, analyses and computations shall be submitted in sufficient detail to allow thorough review and approval.]

**[322.1.4.2 Determination of impacts.** In riverine flood hazard areas where design flood elevations are specified but floodways have not been designated, the applicant shall demonstrate that the effect of the proposed buildings and structures on design flood elevations, including fill, when combined with all other existing and anticipated flood hazard area encroachments, will not increase the design flood elevation more than 1 foot (305 mm) at any point within the jurisdiction.]

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1 [322.1.5 **Lowest floor.** The lowest floor shall be the floor of the lowest enclosed area, including  
2 basement, but excluding any unfinished flood-resistant enclosure that is useable solely for  
3 vehicle parking, building access or limited storage provided that such enclosure is not built so as  
4 to render the building or structure in violation of this section.]

5 [322.1.6 **Protection of mechanical and electrical systems.** Electrical systems, equipment and  
6 components; heating, ventilating, air conditioning; plumbing appliances and plumbing fixtures;  
7 duct systems; and other service equipment shall be located at or above the elevation required in  
8 Section R322.2 (flood hazard areas including A Zones) or R322.3 (coastal high-hazard areas  
9 including V Zones). If replaced as part of a substantial improvement, electrical systems,  
10 equipment and components; heating, ventilating, air conditioning and plumbing appliances and  
11 plumbing fixtures; duct systems; and other service equipment shall meet the requirements of this  
12 section. Systems, fixtures, and equipment and components shall not be mounted on or penetrate  
13 through walls intended to break away under flood loads.]

14 [Exception: Locating electrical systems, equipment and components; heating, ventilating, air  
15 conditioning; plumbing appliances and plumbing fixtures; duct systems; and other service  
16 equipment is permitted below the elevation required in Section R322.2 (flood hazard areas  
17 including A Zones) or R322.3 (coastal high-hazard areas including V Zones) provided that  
18 they are designed and installed to prevent water from entering or accumulating within the  
19 components and to resist hydrostatic and hydrodynamic loads and stresses, including the  
20 effects of buoyancy, during the occurrence of flooding to the design flood elevation in  
21 accordance with ASCE 24. Electrical wiring systems are permitted to be located below the  
22 required elevation provided they conform to the provisions of the electrical part of this code  
23 for wet locations.]

24 [322.1.7 **Protection of water supply and sanitary sewage systems.** New and replacement water  
25 supply systems shall be designed to minimize or eliminate infiltration of flood waters into the  
26 systems in accordance with the plumbing provisions of this code. New and replacement sanitary  
27 sewage systems shall be designed to minimize or eliminate infiltration of floodwaters into  
28 systems and discharges from systems into floodwaters in accordance with the plumbing  
29 provisions of this code and Chapter 3 of the International Private Sewage Disposal Code.]

30 [322.1.8 **Flood-resistant materials.** Building materials used below the elevation required in  
31 Section R322.2 (flood hazard areas including A Zones) or R322.3 (coastal high-hazard areas  
32 including V Zones) shall comply with the following:

- 33 1. All wood, including floor sheathing, shall be pressure-preservative-treated in accordance  
34 with AWPA U1 for the species, product, preservative and end use or be the decay-  
35 resistant heartwood of redwood, black locust or cedars. Preservatives shall be listed in  
36 Section 4 of AWPA U1.
- 37 2. Materials and installation methods used for flooring and interior and exterior walls and  
38 wall coverings shall conform to the provisions of FEMA/FIA-TB-2.]

39 [322.1.9 **Manufactured homes.** New or replacement manufactured homes shall be elevated in  
40 accordance with Section R322.2 (flood hazard areas including A Zones) or Section R322.3 in  
41 coastal high-hazard areas (V Zones). The anchor and tie-down requirements of Sections AE604  
42 and AE605 of Appendix E shall apply. The foundation and anchorage of manufactured homes to  
43 be located in identified floodways shall be designed and constructed in accordance with ASCE  
44 24.]

45 [322.1.10 **As-built elevation documentation.** A registered design professional shall prepare and  
46 seal documentation of the elevations specified in Section R322.2 or R322.3.]

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1 [322.2 Flood hazard areas (including A Zones). All areas that have been determined to be prone to  
2 flooding but not subject to high-velocity wave action shall be designated as flood hazard areas. Flood  
3 hazard areas that have been delineated as subject to wave heights between 11/2 feet (457 mm) and 3  
4 feet (914 mm) shall be designated as Coastal A Zones. All building and structures constructed in  
5 whole or in part in flood hazard areas shall be designed and constructed in accordance with Sections  
6 R322.2.1 through R322.2.3.]

### 7 [322.2.1 Elevation requirements.

- 8 1. Buildings and structures in flood hazard areas not designated as Coastal A Zones shall  
9 have the lowest floors elevated to or above the design flood elevation.
- 10 2. Buildings and structures in flood hazard areas designated as Coastal A Zones shall have  
11 the lowest floors elevated to or above the base flood elevation plus 1 foot (305 mm), or  
12 to the design flood elevation, whichever is higher.
- 13 3. In areas of shallow flooding (AO Zones), buildings and structures shall have the lowest  
14 floor (including basement) elevated at least as high above the highest adjacent grade as  
15 the depth number specified in feet on the FIRM, or at least 2 feet (610 mm) if a depth  
16 number is not specified.
- 17 4. Basement floors that are below grade on all sides shall be elevated to or above the design  
18 flood elevation.]

19 [Exception: Enclosed areas below the design flood elevation, including basements  
20 whose floors are not below grade on all sides, shall meet the requirements of Section  
21 R322.2.2.]

22 [322.2.2 Enclosed area below design flood elevation. Enclosed areas, including crawl spaces,  
23 that are below the design flood elevation shall:

- 24 1. Be used solely for parking of vehicles, building access or storage.
- 25 2. Be provided with flood openings that meet the following criteria:
  - 26 2.1. There shall be a minimum of two openings on different sides of each  
27 enclosed area; if a building has more than one enclosed area below the  
28 design flood elevation, each area shall have openings on exterior walls.
  - 29 2.2. The total net area of all openings shall be at least 1 square inch (645 mm<sup>2</sup>)  
30 for each square foot (0.093 m<sup>2</sup>) of enclosed area, or the openings shall be  
31 designed and the construction documents shall include a statement by a  
32 registered design professional that the design of the openings will provide  
33 for equalization of hydrostatic flood forces on exterior walls by allowing for  
34 the automatic entry and exit of floodwaters as specified in Section 2.6.2.2 of  
35 ASCE 24.
  - 36 2.3. The bottom of each opening shall be 1 foot (305 mm) or less above the  
37 adjacent ground level.
  - 38 2.4. Openings shall be not less than 3 inches (76 mm) in any direction in the  
39 plane of the wall.
  - 40 2.5. Any louvers, screens or other opening covers shall allow the automatic flow  
41 of floodwaters into and out of the enclosed area.

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- 1                   2.6.    Openings installed in doors and windows, that meet requirements 2.1  
2                   through 2.5, are acceptable; however, doors and windows without installed  
3                   openings do not meet the requirements of this section.]

4                   **[322.2.3 Foundation design and construction.** Foundation walls for all buildings and structures  
5                   erected in flood hazard areas shall meet the requirements of Chapter 4.]

6                   **[Exception:** Unless designed in accordance with Section R404:

- 7                   1.    The unsupported height of 6-inch (152 mm) plain masonry walls shall be no more  
8                   than 3 feet (914 mm).
- 9                   2.    The unsupported height of 8-inch (203 mm) plain masonry walls shall be no more  
10                  than 4 feet (1219 mm).
- 11                  3.    The unsupported height of 8-inch (203 mm) reinforced masonry walls shall be no  
12                  more than 8 feet (2438 mm).

13                  For the purpose of this exception, unsupported height is the distance from the finished grade  
14                  of the under-floor space to the top of the wall.]

15                  **[322.3 Coastal high-hazard areas (including V Zones).** Areas that have been determined to be  
16                  subject to wave heights in excess of 3 feet (914 mm) or subject to high-velocity wave action or wave-  
17                  induced erosion shall be designated as coastal high-hazard areas. Buildings and structures  
18                  constructed in whole or in part in coastal high-hazard areas shall be designed and constructed in  
19                  accordance with Sections R322.3.1 through R322.3.6.]

20                  **[322.3.1 Location and site preparation.**

- 21                  1.    New buildings and buildings that are determined to be substantially improved pursuant  
22                  to Section R105.3.1.1, shall be located landward of the reach of mean high tide.
- 23                  2.    For any alteration of sand dunes and mangrove stands the building official shall require  
24                  submission of an engineering analysis which demonstrates that the proposed alteration  
25                  will not increase the potential for flood damage.]

26                  **[322.3.2 Elevation requirements.**

- 27                  1.    All buildings and structures erected within coastal high-hazard areas shall be elevated so  
28                  that the lowest portion of all structural members supporting the lowest floor, with the  
29                  exception of piling, pile caps, columns, grade beams and bracing, is:
- 30                  1.1.    Located at or above the design flood elevation, if the lowest horizontal  
31                  structural member is oriented parallel to the direction of wave approach,  
32                  where parallel shall mean less than or equal to 20 degrees (0.35 rad) from the  
33                  direction of approach, or
- 34                  1.2.    Located at the base flood elevation plus 1 foot (305 mm), or the design flood  
35                  elevation, whichever is higher, if the lowest horizontal structural member is  
36                  oriented perpendicular to the direction of wave approach, where  
37                  perpendicular shall mean greater than 20 degrees (0.35 rad) from the  
38                  direction of approach.
- 39                  2.    Basement floors that are below grade on all sides are prohibited.

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- 1 3. The use of fill for structural support is prohibited.
- 2 4. Minor grading, and the placement of minor quantities of fill, shall be permitted for
- 3 landscaping and for drainage purposes under and around buildings and for support of
- 4 parking slabs, pool decks, patios and walkways.

5 **Exception:** Walls and partitions enclosing areas below the design flood elevation shall  
6 meet the requirements of Sections R322.3.4 and R322.3.5.]

7 **[322.3.3 Foundations.** Buildings and structures erected in coastal high-hazard areas shall be  
8 supported on pilings or columns and shall be adequately anchored to such pilings or  
9 columns. The space below the elevated building shall be either free of obstruction or, if  
10 enclosed with walls, the walls shall meet the requirements of Section R322.3.4. Pilings shall  
11 have adequate soil penetrations to resist the combined wave and wind loads (lateral and  
12 uplift). Water-loading values used shall be those associated with the design flood. Wind-  
13 loading values shall be those required by this code. Pile embedment shall include  
14 consideration of decreased resistance capacity caused by scour of soil strata surrounding the  
15 piling. Pile systems design and installation shall be certified in accordance with Section  
16 R322.3.6. Spread footing, mat, raft or other foundations that support columns shall not be  
17 permitted where soil investigations that are required in accordance with Section R401.4  
18 indicate that soil material under the spread footing, mat, raft or other foundation is subject to  
19 scour or erosion from wave-velocity flow conditions. If permitted, spread footing, mat, raft  
20 or other foundations that support columns shall be designed in accordance with ASCE 24.  
21 Slabs, pools, pool decks and walkways shall be located and constructed to be structurally  
22 independent of buildings and structures and their foundations to prevent transfer of flood  
23 loads to the buildings and structures during conditions of flooding, scour or erosion from  
24 wave-velocity flow conditions, unless the buildings and structures and their foundation are  
25 designed to resist the additional flood load.]

26 **[322.3.4 Walls below design flood elevation.** Walls and partitions are permitted below the  
27 elevated floor, provided that such walls and partitions are not part of the structural support of  
28 the building or structure and:

- 29 1. Electrical, mechanical, and plumbing system components are not to be mounted on  
30 or penetrate through walls that are designed to break away under flood loads; and
- 31 2. Are constructed with insect screening or open lattice; or
- 32 3. Are designed to break away or collapse without causing collapse, displacement or  
33 other structural damage to the elevated portion of the building or supporting  
34 foundation system. Such walls, framing and connections shall have a design safe  
35 loading resistance of not less than 10 (479 Pa) and no more than 20 pounds per  
36 square foot (958 Pa); or
- 37 4. Where wind loading values of this code exceed 20 pounds per square foot (958 Pa),  
38 the construction documents shall include documentation prepared and sealed by a  
39 registered design professional that:
  - 40 4.1. The walls and partitions below the design flood elevation have been  
41 designed to collapse from a water load less than that which would occur  
42 during the design flood.
  - 43 4.2. The elevated portion of the building and supporting foundation system  
44 have been designed to withstand the effects of wind and flood loads  
45 acting simultaneously on all building components (structural and

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1 nonstructural). Water-loading values used shall be those associated with  
2 the design flood. Wind-loading values shall be those required by this  
3 code.]

4 **[322.3.5 Enclosed areas below design flood elevation.** Enclosed areas below the design flood  
5 elevation shall be used solely for parking of vehicles, building access or storage.]

6 **[322.3.6 Construction documents.** The construction documents shall include documentation  
7 that is prepared and sealed by a registered design professional that the design and methods of  
8 construction to be used meet the applicable criteria of this section.]

### 9 Chapter 4. Foundations

#### 10 Section 401 General

11 **401.1 Application.** [The provisions of this] THIS chapter [shall control] CONTROLS the  
12 design and construction of the foundation and foundation spaces for all buildings. In addition  
13 to the provisions of this chapter, the design and construction of foundations in flood hazard  
14 areas [as established by Table R301.2(1) shall] MUST meet the provisions of [Section R322]  
15 THE FLOODPLAIN MANAGEMENT CODE. Wood foundations shall be designed and installed in  
16 accordance with AF&PA PWF.

17 **Exception:** *{As in IRC}*

#### 18 Section 404 Foundations and Retaining Walls

19 **404.1 Concrete and masonry foundation walls.** *{As in IRC}*

20 **404.1.1 to 404.1.8** *{As in IRC}*

21 **404.1.9 Isolated masonry piers.** *{As in IRC}*

22 **404.1.9.1 to 404.1.9.4** *{As in IRC}*

23 **404.1.9.5 MASONRY PIERS IN FLOOD HAZARD AREAS.** *{NOT ADOPTED}*

24 {NOTE: FOR THE ESTABLISHMENT OF REGULATED FLOOD HAZARD  
25 AREAS AND THE SPECIAL REGULATIONS AND LIMITATIONS GOVERNING  
26 DEVELOPMENT WITHIN THOSE AREAS, SEE THE FLOODPLAIN MANAGEMENT  
27 CODE, CITY CODE ARTICLE 7 {"NATURAL RESOURCES"}, DIVISION I  
28 {"FLOODPLAIN MANAGEMENT"}.

29 **[404.1.9.5 Masonry piers in flood hazard areas.** Masonry piers for dwellings in flood  
30 hazard areas shall be designed in accordance with Section R322.]

31 **401.2 to 401.4** *{As in IRC}*

32 **Sections [401] 402 to 403** *{As in IRC}*

33 **Sections 405 to [408] 407** *{As in IRC}*



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**Section 408 Under-Floor Space**

**408.1 to 408.6** *{As in IRC}*

**408.7 FLOOD RESISTANCE.** *{NOT ADOPTED}*

**{NOTE: FOR THE ESTABLISHMENT OF REGULATED FLOOD HAZARD AREAS AND THE SPECIAL REGULATIONS AND LIMITATIONS GOVERNING DEVELOPMENT WITHIN THOSE AREAS, SEE THE FLOODPLAIN MANAGEMENT CODE, CITY CODE ARTICLE 7 {"NATURAL RESOURCES"}, DIVISION I {"FLOODPLAIN MANAGEMENT"}.**

**[408.7 Flood resistance.** For buildings located in flood hazard areas as established in Table R301.2(1):

1. Walls enclosing the under-floor space shall be provided with flood openings in accordance with Section R322.2.2.
2. The finished ground level of the under-floor space shall be equal to or higher than the outside finished ground level on at least one side.

**Exception:** Under-floor spaces that meet the requirements of FEMA/FIA TB 11-1.]

**Chapter 13. General Mechanical System Requirements**  
*{As in IRC}*

**Section 1301 General**

**1301.1 Scope.** *{As in IRC}*

**1301.1.1 Flood-resistant installation.** In flood hazard areas [as established by Table R301.2(1)], mechanical appliances, equipment and systems [shall] MUST be located [or] AND installed in accordance with [Section R322.1.6] THE FLOODPLAIN MANAGEMENT CODE.

**1301.2 to 1301.5** *{As in IRC}*

**Sections 1302 to 1308** *{As in IRC}*

**Chapter 14. Heating and Cooling Equipment and Appliances**  
*{As in IRC}*

**Section 1401 General**

**1401.1 to 1401.4** *{As in IRC}*

**1401.5 Flood hazard.** In flood hazard areas [as established by Table R301.2(1)], heating and cooling equipment and appliances [shall] MUST be located [or] AND installed in accordance with [Section R322.1.6] THE FLOODPLAIN MANAGEMENT CODE.

**Sections [1401] 1402 to 1410** *{As in IRC}*

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**Chapter 16. [Exhaust] DUCT Systems**  
*[{As in IRC}]*

**Section 1601 Duct Construction**

**1601.1 to 1601.3** *{As in IRC}*

**1601.4 Installation** *{As in IRC}*

**1601.4.1 to 1601.4.8** *{As in IRC}*

**1601.4.9 Flood hazard areas.** In flood hazard areas [as established by Table R301.2(1)], duct systems [shall] **MUST** be located [or] **AND** installed in accordance with [Section R322.1.6] **THE FLOODPLAIN MANAGEMENT CODE.**

**1601.5 to 1601.6** *{As in IRC}*

**Section 1602 Return Air** *{As in IRC}*

**Chapter 17. Combustion Air**  
*[{As in IRC}]*

**Section 701 General** *{As in IRC}*

**1701.1 Scope.** *{As in IRC}*

**1701.2 Opening location.** In flood hazard areas [as established in Table R301.2(1)], combustion air openings [shall] **MUST** be located at or above the elevation required [in Section R322.2.1 or R322.3.2] **BY THE FLOODPLAIN MANAGEMENT CODE.**

**Chapter 20. Boilers and Water Heaters**  
*[{As in IRC}]*

**Section 2001 Boilers**

**2001.1 to 2001.3** *{As in IRC}*

**2001.4 Flood-resistant installation.** In flood hazard areas [established in Table R301.2(1)], boilers, water heaters, and their control systems [shall] **MUST** be located [or] **AND** installed in accordance with [Section R322.1.6] **THE FLOODPLAIN MANAGEMENT CODE.**

**Sections 2002 to 2006** *{As in IRC}*

**Chapter 22. Special Piping and Storage Systems**  
*[{As in IRC}]*

**SECTION 2201 OIL TANKS** *{As in IRC}*

**2201.1 to 2201.5** *{As in IRC}*

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1 **2201.6 Flood-resistant installation.** In flood hazard areas [as established by Table  
2 R301.2(1)], tanks [shall] MUST be installed at or above the elevation required [in Section  
3 R322.2.1 or R322.3.2] BY THE FLOODPLAIN MANAGEMENT CODE or [shall be] anchored to  
4 prevent flotation, collapse, [and] OR lateral movement under FLOODING conditions [of the  
5 design flood].

6 **Appendix E. Manufactured Housing Used as Dwellings**  
7 *[As in IRC]*

8 **Section E101 Scope**

9 **101.1 General.** *{As in IRC}*

10 **Exception:** In addition to these provisions, IN FLOOD HAZARD AREAS, new and  
11 replacement manufactured homes, AS DEFINED IN CITY CODE ARTICLE 7 {"NATURAL  
12 RESOURCES"}, § 1-3 {"DEFINITIONS – “FLOODPROOFING” TO “WET FLOODPROOFING”},  
13 [to be located in flood hazard areas as established in Table R301.2(1) of the International  
14 Residential Code shall] MUST meet the applicable requirements of [Section R322 of the  
15 International Residential Code] THE FLOODPLAIN MANAGEMENT CODE.

16 **Appendix G. Swimming Pools, Spas, and Hot Tubs**

17 **Section G101 General.**

18 **101.1 General** *{As in IRC}*

19 **101.2 Pools in flood hazard areas.** Pools that are located in flood hazard areas [established  
20 by Table R301.2(1)], including above-ground pools, on-ground pools, and in-ground pools  
21 that involve placement of fill, shall comply with [Section AG101.2.1 or AG101.2.2] THIS  
22 § 101.2.

23 **Exception:** Pools located in riverine flood hazard areas [which] THAT are outside of  
24 designated floodways.

25  
26 **101.2.1 [Pools located in] IN designated floodways.** [Where] FOR pools [are] TO BE  
27 located in A designated [floodways] FLOODWAY, THE APPLICANT MUST SUBMIT TO THE  
28 BUILDING OFFICIAL documentation [shall be submitted to the building official which]  
29 THAT demonstrates that the construction of the pool will not increase the design-flood  
30 elevation at any point [within the jurisdiction].

31 **101.2.2 [Pools located where] WHERE floodways have not been designated.** [Where]  
32 FOR pools [are] TO BE located where design-flood elevations are specified but floodways  
33 have not been designated, the applicant [shall] MUST provide a floodway analysis that  
34 demonstrates that the proposed pool will not increase the design flood-elevation more  
35 than 1 foot (305 mm) at any point [within the jurisdiction].

36 **Section G 102 Definitions** *{As in IRC}*

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1 **Section G103 Swimming Pools**

2 **103.1 to 103.2** *{As in IRC}*

3 **103.3 Pools in flood hazard areas.** In flood hazard areas [established by Table R301.2(1)],  
4 pools in coastal high-hazard areas [shall] **MUST** be designed and constructed in compliance  
5 with ASCE 24.

6 **Sections G104 to G108** *{As in IRC}*

7 **SECTION 2. AND BE IT FURTHER ORDAINED,** That the catchlines contained in this Ordinance  
8 are not law and may not be considered to have been enacted as a part of this or any prior  
9 Ordinance.

10 **SECTION 3. AND BE IT FURTHER ORDAINED,** That:

11 (a) this Ordinance applies to all development for which a permit application is filed (or  
12 required to be filed) on or after the effective date of this Ordinance;

13 (b) except as expressly provided to the contrary in this Ordinance, any transaction, case,  
14 proceeding, investigation, or other matter validly begun before the effective date of  
15 this Ordinance and affected by or flowing from any law amended or repealed by this  
16 Ordinance, and any right, duty, or interest flowing from any ordinance amended or  
17 repealed by this Ordinance, remains valid after the effective date of this Ordinance  
18 and may be terminated, completed, enforced, or prosecuted as required or permitted  
19 by the prior law as though the amendment or repeal has not occurred; and

20 (c) if any change in nomenclature involves a change in name or designation of any City  
21 agency or official, the successor agency or official has all the powers and obligations  
22 granted the predecessor agency or official.

23 **SECTION 4. AND BE IT FURTHER ORDAINED,** That this Ordinance takes effect on April 2,  
24 2014.

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Certified as duly passed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_

\_\_\_\_\_  
President, Baltimore City Council

Certified as duly delivered to Her Honor, the Mayor,  
this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_

\_\_\_\_\_  
Chief Clerk

Approved this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_

\_\_\_\_\_  
Mayor, Baltimore City