

# **BALTIMORE COUNTY BUILDING CODE**



**Baltimore County Council Bill 40-12**

**Effective July 1, 2012**

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## Significant Changes

### Council Bill 40-12

#### 2012 Baltimore County Building Code – Effective July 1, 2012

1. Requires that installers with electrical knowledge supervise the installation of solar photovoltaic (PV) systems. In the past these systems were installed by companies or individuals with no knowledge of the laws of electricity. Changes to the 2011 NEC require that solar PV systems be installed by QUALIFIED personnel. The failure of these solar PV systems can result in fire or electrocution. [PART 128.8]
2. Requires electrical generators to be set back 5 feet from buildings, openings from buildings and lot lines to reduce potential for carbon monoxide poisoning. [PART 128.12]
3. Requires that materials used in the installation or repair of plumbing intended to dispense water for human consumption be lead-free (piping, fixtures, solder & flux) consistent with 2010 H.B. 372. Emergency regulations went into effect on January 1, 2012 for all jurisdictions except Baltimore, P.G. & Howard Counties. [PART 129]
4. The 2012 Edition of the International Energy Conservation Code (IECC) required to be enforced by local jurisdictions by State Law (COMMAR 05.02.07 Maryland Building Performance Standards), incorporates requirements to improve energy efficiency 30% more than the baseline established by the 2006 Edition. The 2009 Edition required 15% improvement based on 2006 baseline. [PART 400]

Examples of IECC changes:

One-and two family dwellings: increased insulating performance for walls, floors and ceilings (more insulation), reduced heat loss through windows (lower E glass), reduced allowable leakage from doors, windows and ducts including mandated air leakage test for building thermal envelope, expanded hot water pipe insulation and increases from 50% to 75% the light fixtures required to have high efficiency lamps.

Commercial buildings: Requires that buildings be shown to have an annual energy cost that is less than or equal to the annual energy cost using the minimum requirements set forth in the 2012 IECC. Requirements include: mandatory maximum air leakage requirements, mandatory minimal efficiency requirements for mechanical systems (HVAC), mandatory minimum performance for water-heating equipment, mandatory power allowances for lighting systems, mandatory lighting controls such as occupancy sensors, limitations on wall openings and mandatory toplighting requirements in commercial applications greater than 10,000 square feet in area.

**BUILDING CODE  
ADOPTING ORDINANCE**

**BALTIMORE COUNTY, MARYLAND**

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COUNTY COUNCIL OF BALTIMORE COUNTY, MARYLAND  
Legislative Session 2012, Legislative Day No. 9  
Bill No. 40-12

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Mrs. Vicki Almond, Chairwoman  
By Request of County Executive

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By the County Council, May 7, 2012

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A BILL  
ENTITLED

AN ACT concerning

The Building Code of Baltimore County

FOR the purpose of adopting with certain amendments, deletions and additions, the ICC International Building Code, 2012 Edition; the ICC International Residential Code, 2012 Edition; the ICC International Mechanical Code, 2012 Edition, and the ICC International Energy Conservation Code, 2012 Edition, all as the "Building Code of Baltimore County, Maryland,"; altering the Plumbing and Gasfitting Code of Baltimore County; amending certain law related to floodplain management.

BY repealing

The Building Code of Baltimore County, Maryland as adopted by Bill No. 47-10

BY adopting

The ICC International Building Code, 2012 Edition, including Appendix C, with amendments, and Appendix F,

The ICC International Residential Code, 2012 Edition, including Appendices B, C and F and Appendix G with amendments,

The International Mechanical Code, 2012 Edition, with amendments, and

The ICC International Energy Conservation Code, 2012 Edition with amendments, and

BY amending

The Plumbing and Gasfitting Code of Baltimore County, Maryland as adopted by Bill 89-09

BY repealing and reenacting, with amendments

Section 32-8-101(h) and (u) and 32-8-207(d)(2)

Title 8. Floodplain Management

Article 32. Planning, Zoning and Subdivision Control

Baltimore County Code 2003

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EXPLANATION: CAPITALS INDICATE MATTER ADDED TO EXISTING LAW.

[Brackets] indicate matter stricken from existing law.

~~Strike out~~ indicates matter stricken from bill.

Underlining indicates amendments to bill.

1           **SECTION 1. BE IT ENACTED BY THE COUNTY COUNCIL OF BALTIMORE COUNTY,**  
2 **MARYLAND,** that the Building Code of Baltimore County adopted by Bill No. 47-10 be and the same is  
3 hereby repealed.

4           **SECTION 2. AND BE IT FURTHER ENACTED** that the ICC International Building Code,  
5 2012 including Appendix C, with amendments, and Appendix F, the ICC International Residential Code,  
6 2012 including Appendices B, C and F and Appendix G with amendments, the International Mechanical  
7 Code, 2012, and the ICC International Energy Conservation Code ~~with amendments~~, 2012, with  
8 amendments be and they are hereby adopted subject to the modifications set forth herein.

9           **SECTION 3. AND BE IT FURTHER ENACTED** that the Bill No. 40-12 may be referred to as  
10 “The Building Code of Baltimore County”.

11           **SECTION 4. AND BE IT FURTHER ENACTED** that the additions, amendments and deletions  
12 set forth in the following Parts 100, 200, 300 and 400 are hereby adopted as “The Building Code of  
13 Baltimore County”:

14 **PART 100 COMMON PROVISIONS.**

15 **PART 101 INTRODUCTION.** TITLE PARTS AND SUBPARTS SET FORTH IN PART 100 APPLY  
16 TO ALL THE CODES ADOPTED AND ALL THE CODES REFERENCED IN THE ADOPTED  
17 CODES UNLESS AMENDED IN THIS CODE, THE BUILDING CODE OF BALTIMORE COUNTY.

18 **PART 102 ADOPTED CODES.** THE FOLLOWING CODES ARE HEREBY ADOPTED ALONG  
19 WITH AMENDMENTS OF THOSE SECTIONS AS SET FORTH IN THIS CODE:

20           1. THE INTERNATIONAL BUILDING CODE, 2012 EDITION PUBLISHED BY THE  
21 INTERNATIONAL CODE COUNCIL, INC.

22           2. THE INTERNATIONAL RESIDENTIAL CODE, 2012 EDITION PUBLISHED BY THE  
23 INTERNATIONAL CODE COUNCIL, INC.

24           3. THE INTERNATIONAL MECHANICAL CODE, 2012 EDITION PUBLISHED BY THE  
25 INTERNATIONAL CODE COUNCIL, INC.

26           4. THE INTERNATIONAL ENERGY CONSERVATION CODE, 2012 EDITION PUBLISHED  
27 BY THE INTERNATIONAL CODE COUNCIL, INC.

28 **PART 103 APPLICABLE COUNTY CODES.** THE CODES SET OUT BELOW REPLACE THE  
29 ENUMERATED SECTIONS OF THE CODES DESCRIBED IN PART 102:

30           1. THE “BALTIMORE COUNTY ELECTRICAL CODE” ADOPTED PURSUANT TO ARTICLE  
31 21, TITLE 7, SUBTITLE 3 OF THE BALTIMORE COUNTY CODE, 2003 SHALL GOVERN THE  
32 INSTALLATION, MAINTENANCE AND REPAIR OF ELECTRICAL SYSTEMS, EQUIPMENT  
33 AND COMPONENTS IN THE PLACE OF SECTION 2701.1 OF THE INTERNATIONAL BUILDING

1 CODE, 2012 EDITION TITLED “ELECTRICAL” AND PART VIII OF THE INTERNATIONAL  
2 RESIDENTIAL CODE, 2012 EDITION TITLED “ELECTRICAL.”

3 2. THE “BALTIMORE PLUMBING AND GASFITTING CODE” ADOPTED PURSUANT TO  
4 ARTICLE 21, TITLE 15, SUBTITLE 1 OF THE BALTIMORE COUNTY CODE, 2003 SHALL  
5 GOVERN THE INSTALLATION, MAINTENANCE AND REPAIR OF PLUMBING SYSTEMS IN  
6 THE PLACE OF SECTION 2901.1, TITLED “PLUMBING SYSTEMS” OF THE INTERNATIONAL  
7 BUILDING CODE, 2012 EDITION; PART VII OF THE INTERNATIONAL RESIDENTIAL CODE,  
8 2012 EDITION TITLED “PLUMBING;” AND THE INSTALLATION, MAINTENANCE AND  
9 REPAIR OF MECHANICAL APPLIANCES, AND EQUIPMENT AND SYSTEMS IN  
10 CONFORMANCE WITH THE INTERNATIONAL FUEL GAS CODE.

11 3. THE “INTERNATIONAL PROPERTY MANAGEMENT CODE, 2012 EDITION” SHALL  
12 MEAN THE BALTIMORE COUNTY LIVABILITY CODE ADOPTED PURSUANT TO ARTICLE 35,  
13 TITLE 5 OF THE BALTIMORE COUNTY CODE, 2003.

14 4. THE “INTERNATIONAL FIRE CODE, SHALL MEAN THE BALTIMORE COUNTY FIRE  
15 PREVENTION CODE ADOPTED PURSUANT TO ARTICLE 14, TITLE 2, SUBTITLE 1 OF THE  
16 BALTIMORE COUNTY CODE, 2003.

17 **PART 104 GOVERNMENT BUILDINGS.** THIS CODE SHALL APPLY TO COUNTY  
18 BUILDINGS; HOWEVER, THIS CODE SHALL NOT APPLY TO BUILDINGS OR PORTIONS OF  
19 BUILDINGS USED EXCLUSIVELY BY FEDERAL AND STATE GOVERNMENT AGENCIES  
20 UNTIL SUCH USE CEASES, AFTER WHICH THE BUILDINGS SHALL COMPLY WITH THIS  
21 CODE.

22 **PART 105 BUILDING OFFICIAL.** THE TERM “BUILDING OFFICIAL” SHALL MEAN THE  
23 BUILDING ENGINEER OF BALTIMORE COUNTY OR HIS DESIGNEE. THE BUILDING  
24 ENGINEER’S DUTIES ARE DESCRIBED IN SECTION 3-2-1104 OF THE BALTIMORE COUNTY  
25 CODE, 2003. THE BUILDING ENGINEER SHALL HAVE THOSE POWERS AS THE BUILDING  
26 OFFICIAL DEEMS NECESSARY IN THE INTEREST OF PUBLIC HEALTH, SAFETY AND THE  
27 GENERAL WELFARE TO INTERPRET AND IMPLEMENT THE PROVISIONS OF THIS CODE SO  
28 AS TO SECURE COMPLIANCE, INCLUDING ANY ADDITIONAL REQUIREMENTS BECAUSE  
29 OF LOCAL CLIMATIC OR OTHER CONDITIONS. SUCH INTERPRETATIONS AND  
30 REQUIREMENTS SHALL NOT WAIVE WORKING STRESSES, FIRE RESISTANT  
31 REQUIREMENTS SET FORTH IN THIS CODE, OR ACCEPTED STANDARDS OF ENGINEERING  
32 PRACTICE INVOLVING PUBLIC SAFETY.

33 **PART 106 EXISTING BUILDINGS AND STRUCTURES.** THE LEGAL USE AND OCCUPANCY  
34 OF ANY BUILDING OR STRUCTURE EXISTING AS OF THE EFFECTIVE DATE OF THIS CODE

1 MAY BE CONTINUED WITHOUT CHANGE EXCEPT AS MAY BE SPECIFICALLY COVERED  
2 BY THIS CODE OR AS MAY BE DEEMED NECESSARY BY THE BUILDING OFFICIAL FOR  
3 THE GENERAL SAFETY AND WELFARE OF THE OCCUPANTS AND THE PUBLIC.  
4 ALTERATIONS, ADDITIONS AND REPAIRS OF EXISTING BUILDINGS AND STRUCTURES  
5 SHALL CONFORM TO APPLICABLE LAWS AND REGULATIONS COVERING SUCH WORK  
6 AND SHALL NOT CAUSE AN EXISTING BUILDING OR STRUCTURE TO BECOME UNSAFE  
7 OR TO ADVERSELY AFFECT THE PERFORMANCE OF THE BUILDING.

8 **PART 106.1 PROOF OF LEGAL CHANGE OF USE AND OCCUPANCY OF EXISTING**  
9 **BUILDINGS.** THE BUILDING OFFICIAL SHALL HAVE THE AUTHORITY TO REQUIRE  
10 SATISFACTORY EVIDENCE THAT A LEGAL CHANGE OF USE OR OCCUPANCY IN  
11 COMPLIANCE WITH APPLICABLE FIRE AND BUILDING CODES WAS GRANTED BY  
12 BALTIMORE COUNTY.

13 **PART 107 DEPARTMENT OF PUBLIC SAFETY OR DEPARTMENT.** “THE DEPARTMENT OF  
14 PUBLIC SAFETY” OR “DEPARTMENT” SHALL MEAN THE DEPARTMENT OF PERMITS,  
15 APPROVALS AND INSPECTIONS.

16 **PART 108 TERMS “BUILDING CODE” AND “CODE.”** THE ICC INTERNATIONAL BUILDING  
17 CODE, 2012 EDITION; THE ICC INTERNATIONAL RESIDENTIAL CODE, 2012 EDITION, THE  
18 INTERNATIONAL MECHANICAL CODE, 2012 EDITION, AND THE ICC INTERNATIONAL  
19 ENERGY CONSERVATION CODE, 2012 EDITION, ADOPTED WITH CERTAIN AMENDMENTS,  
20 DELETIONS, AND ADDITIONS, BY BALTIMORE COUNTY COUNCIL BILL NO. 40-12, SHALL  
21 BE KNOWN COLLECTIVELY AS THE BUILDING CODE OF BALTIMORE COUNTY,  
22 MARYLAND, (HEREINAFTER REFERRED TO AS "CODE"). WHENEVER THE TERM "CODE"  
23 IS USED IN EITHER THE ICC INTERNATIONAL BUILDING CODE, THE ICC INTERNATIONAL  
24 RESIDENTIAL CODE, THE INTERNATIONAL MECHANICAL CODE, OR THE ICC  
25 INTERNATIONAL ~~MODEL~~ ENERGY CONSERVATION CODE, IT SHALL MEAN THE  
26 BUILDING CODE OF BALTIMORE COUNTY AS ADOPTED BY BILL NO. 40-12.

27 **PART 109 APPLICATION OF BUILDING CODE.**  
28 THIS CODE SHALL APPLY TO THE CONSTRUCTION, ALTERATION, ADDITION, REPAIR,  
29 REMOVAL, DEMOLITION, ENLARGEMENT, REPLACEMENT, RELOCATION, EQUIPMENT,  
30 USE OR OCCUPANCY, LOCATION, AND MAINTENANCE OF ALL BUILDINGS AND  
31 STRUCTURES OR ANY APPURTENANTS CONNECTED OR ATTACHED TO SUCH BUILDINGS  
32 AND STRUCTURES, AND THEIR SERVICE EQUIPMENT AS HEREIN DEFINED, EXCEPT AS  
33 SUCH MATTERS ARE OTHERWISE PROVIDED FOR IN OTHER ORDINANCES OR STATUTES,

1 OR IN THE RULES AND REGULATIONS AUTHORIZED FOR PROMULGATION UNDER THE  
2 PROVISIONS OF THIS CODE.

3 **PART 110 REFERENCED CODES.** THE CODES LISTED IN PART 103 AND THE 2012  
4 EDITIONS OF THE INTERNATIONAL BUILDING CODE, INTERNATIONAL RESIDENTIAL  
5 CODE, INTERNATIONAL MECHANICAL CODE AND INTERNATIONAL ENERGY  
6 CONSERVATION CODE SHALL BE CONSIDERED PART OF THE REQUIREMENTS OF THIS  
7 CODE TO THE PRESCRIBED EXTENT OF EACH SUCH REFERENCE.

8 **PART 110.1 GAS.** WHENEVER THE TERM “INTERNATIONAL FUEL GAS CODE” IS USED, IT  
9 SHALL MEAN THE BALTIMORE COUNTY PLUMBING AND GASFITTING CODE ADOPTED  
10 PURSUANT TO ARTICLE 21, TITLE 15, SUBTITLE 1 OF THE BALTIMORE COUNTY CODE,  
11 2003.

12 **PART 110.2 PLUMBING.** WHENEVER THE TERM “INTERNATIONAL PLUMBING CODE” IS  
13 USED, IT SHALL MEAN THE BALTIMORE COUNTY PLUMBING AND GASFITTING CODE  
14 ADOPTED PURSUANT TO ARTICLE 21, TITLE 15, SUBTITLE 1 OF THE BALTIMORE COUNTY  
15 CODE, 2003.

16 **PART 110.3 PROPERTY MAINTENANCE.** WHENEVER THE TERM “INTERNATIONAL  
17 PROPERTY MAINTENANCE CODE” IS USED, IT SHALL MEAN THE BALTIMORE COUNTY  
18 LIVABILITY CODE ADOPTED PURSUANT TO ARTICLE 35, TITLE 5 OF THE BALTIMORE  
19 COUNTY CODE, 2003.

20 **PART 110.4 FIRE PREVENTION.** WHENEVER THE TERM “INTERNATIONAL FIRE CODE” IS  
21 USED, IT SHALL MEAN THE BALTIMORE COUNTY FIRE PREVENTION CODE ADOPTED  
22 PURSUANT TO ARTICLE 14, TITLE 2, SUBTITLE 1 OF THE BALTIMORE COUNTY CODE, 2003.

23 **PART 110.5 ELECTRICAL.** ALL ELECTRICAL COMPONENTS, EQUIPMENT AND SYSTEMS  
24 SHALL COMPLY WITH THE STANDARDS FOR ELECTRICAL INSTALLATIONS PURSUANT  
25 TO ARTICLE 21, TITLE 7, SUBTITLE 3 OF THE BALTIMORE COUNTY CODE, 2003.

26 **PART 111 ENFORCEMENT ASSISTANCE.** THE BALTIMORE COUNTY POLICE  
27 DEPARTMENT, THE BALTIMORE COUNTY FIRE DEPARTMENT AND DEPARTMENT OF  
28 PUBLIC WORKS SHALL HAVE THE AUTHORITY TO RENDER ASSISTANCE IN THE  
29 ENFORCEMENT OF THIS CODE.

30 **PART 112 PERMITS.**

31 **PART 112.1 WORK EXEMPT FROM PERMIT.** THE FOLLOWING WORK DOES NOT  
32 REQUIRE A PERMIT:

- 33 1. USE GROUP R-3 ONE-STORY ACCESSORY STRUCTURES USED AS TOOL AND  
34 STORAGE SHEDS, PLAYHOUSES, DECKS NOT GREATER THEN 16 INCHES ABOVE THE

1 LOWEST GRADE AND SIMILAR USES, PROVIDED THE FLOOR AREA DOES NOT EXCEED  
2 120 SQUARE FEET AND ARE NOT LOCATED IN A DESIGNATED “CHESAPEAKE BAY  
3 CRITICAL AREA”, 100 YEAR FLOODPLAIN, PROPOSED OR DESIGNATED “BALTIMORE  
4 COUNTY HISTORIC DISTRICT” OR PART OF A STRUCTURE ON A PRELIMINARY OR FINAL  
5 BALTIMORE COUNTY LANDMARKS LIST.

6 2. FENCES NOT OVER 42 INCHES HIGH AND NOT LOCATED IN A PROPOSED OR  
7 DESIGNATED BALTIMORE COUNTY HISTORIC DISTRICT OR A STRUCTURE ON A  
8 PRELIMINARY OR FINAL BALTIMORE COUNTY LANDMARKS LIST.

9 3. OIL DERRICKS.

10 4. RETAINING WALLS LESS THAN 3 FEET IN HEIGHT MEASURED FROM THE LOWEST  
11 POINT OF FINISHED GRADE.

12 5. WATER TANKS SUPPORTED DIRECTLY ON GRADE IF THE CAPACITY DOES NOT  
13 EXCEED 5,000 GALLONS (18,925 LITERS) AND THE RATIO OF HEIGHT TO DIAMETER OR  
14 WIDTH DOES NOT EXCEED 2:1.

15 6. SIDEWALKS AND DRIVEWAYS NOT MORE THAN 30 INCHES (762 MM) ABOVE  
16 ADJACENT GRADE, AND NOT OVER ANY BASEMENT OR STORY BELOW AND ARE NOT  
17 PART OF AN ACCESSIBLE ROUTE.

18 7. PAINTING, PAPERING, TILING, CARPETING, CABINETS, COUNTER TOPS AND  
19 SIMILAR FINISH WORK.

20 8. TEMPORARY MOTION PICTURE, TELEVISION AND THEATER STAGE SETS AND  
21 SCENERY.

22 9. PREFABRICATED SWIMMING POOLS LESS THAN 24 INCHES DEEP AND LESS THAN  
23 250 SQUARE FEET OF SURFACE AREA (18 FT DIAMETER).

24 10. SHADE CLOTH STRUCTURES CONSTRUCTED FOR NURSERY OR AGRICULTURAL  
25 PURPOSES, NOT INCLUDING SERVICE SYSTEMS.

26 11. SWINGS AND OTHER PLAYGROUND EQUIPMENT ACCESSORY TO DETACHED  
27 ONE-AND TWO-FAMILY DWELLINGS.

28 12. WINDOW AWNINGS SUPPORTED BY AN EXTERIOR WALL THAT DO NOT PROJECT  
29 MORE THAN 54 INCHES (1372 MM) FROM THE EXTERIOR WALL AND DO NOT REQUIRE  
30 ADDITIONAL SUPPORT OF GROUPS R-3 AND U OCCUPANCIES.

31 13. NONFIXED AND MOVABLE FIXTURES, CASES, RACKS, COUNTERS AND  
32 PARTITIONS NOT OVER 5 FEET 9 INCHES (1753 MM) IN HEIGHT.

33 14. NONSTRUCTURAL ALTERATIONS NOT INVOLVING KITCHENS OR SLEEPING  
34 AREAS IN BASEMENT OF ONE-AND TWO-FAMILY DWELLINGS.

1 15. REPLACEMENT OF EXISTING DECKING AND/OR NAILER FOR EXISTING  
2 STRINGERS ON PIERS FOR ONE AND TWO FAMILY DWELLINGS, PROVIDED THERE IS NO  
3 INCREASE IN LENGTH, WIDTH OR HEIGHT.

4 16. BOAT LIFTS FOR A ONE AND TWO FAMILY DWELLING PROVIDED THE LIFT DOES  
5 NOT REQUIRE THE INSTALLATION OF PILING(S).

6 **PART 112.1.1 AGRICULTURAL BUILDINGS.** THE PROVISIONS OF THIS CODE SHALL NOT  
7 APPLY TO THE CONSTRUCTION, ALTERATION, ADDITION, REPAIR, REMOVAL,  
8 DEMOLITION, USE, LOCATION, OR MAINTENANCE OF AGRICULTURAL BUILDINGS. THIS  
9 PROVISION DOES NOT EXEMPT THE OWNER OF AN AGRICULTURAL BUILDING FROM  
10 OBTAINING REQUIRED ELECTRICAL OR PLUMBING AND GASFITTING PERMITS OR FROM  
11 COMPLYING WITH ALL OTHER APPLICABLE LOCAL, STATE, AND FEDERAL  
12 REGULATIONS, LAWS, AND ORDINANCES.

13 **PART 112.1.2 ELECTRICAL PERMIT REQUIRED FOR REPAIRS TO ALUMINUM**  
14 **CONDUCTORS.**

15 **PART 112.2 PUBLIC NOTICE FOR PIER OR MOORING PILE CONSTRUCTION.** A PERMIT  
16 TO BUILD, ALTER, MODIFY, REPLACE OR EXTEND A PIER OR MOORING PILE MAY BE  
17 GRANTED ONLY IF PUBLIC NOTICE HAS BEEN GIVEN BY THE APPLICANT AS SPECIFIED  
18 BY THE CODE OFFICIAL, AND A PUBLIC HEARING HELD BEFORE THE CODE OFFICIAL OR  
19 DESIGNEE IF REQUESTED. SUCH PUBLIC NOTICE SHALL CONSIST OF POSTING THE  
20 PROPERTY FOR A PERIOD OF 15 DAYS. ANY OWNER OF ADJACENT PROPERTY OR  
21 PROPERTY IMPACTED BY THE PROPOSED PERMITTED WORK MAY REQUEST A PUBLIC  
22 HEARING OR MAY SUBMIT WRITTEN COMMENTS FOR CONSIDERATION. IF NO PUBLIC  
23 HEARING IS REQUESTED, THE CODE OFFICIAL OR DESIGNEE MAY ISSUE THE PERMIT  
24 CONTAINING ANY APPROPRIATE CONDITIONS OR LIMITATIONS. THE HEARING OFFICER  
25 SHALL HAVE THE RIGHT TO SPECIFY THE LIMITS OF CONSTRUCTION WHICH SHALL  
26 CONFORM AS CLOSELY AS POSSIBLE TO THE RULES SET FORTH IN SECTION 417 OF THE  
27 BALTIMORE COUNTY ZONING REGULATIONS.

28 **PART 112.3 TIME LIMITATION ON PERMITS.** ALL PERMITS SHALL BE ISSUED TO EXPIRE  
29 ONE YEAR AFTER THE DATE SUCH PERMIT IS ISSUED, UNLESS THE TIME OF  
30 COMPLETION STATED IN THE APPLICATION CALLS FOR A LONGER OR SHORTER PERIOD  
31 THAN ONE YEAR, IN WHICH EVENT THE TIME OF EXPIRATION ON THE PERMIT SHALL BE  
32 FIXED SO AS TO ALLOW A REASONABLE TIME TO COMPLETE THE WORK. ALL PERMITS  
33 FOR A SUBSTATION ISSUED TO A PUBLIC SERVICE COMPANY, AS DEFINED IN TITLE 1 OF  
34 THE PUBLIC UTILITY COMPANIES ARTICLE OF THE ANNOTATED CODE OF MARYLAND,

1 SHALL BE ISSUED TO EXPIRE FIVE YEARS AFTER THE DATE SUCH PERMIT IS ISSUED,  
2 PROVIDED THAT WITHIN ONE YEAR AFTER THE ISSUANCE OF THE PERMIT THE SITE IS  
3 FENCED AND LANDSCAPED AND A SIGN POSTED STATING THE PROPOSED USE OF THE  
4 COMPLETED PROJECT. HOWEVER, AS TO ANY PERMIT, THE BUILDING OFFICIAL IS  
5 HEREBY AUTHORIZED TO GRANT AN EXTENSION OF TIME NOT IN EXCESS OF ONE YEAR  
6 IN WHICH TO COMPLETE THE WORK. IF THE WORK UNDER A PERMIT IS NOT COMPLETE  
7 BEFORE THE EXPIRATION DATE ON THE PERMIT, OR ANY EXTENSION THEREOF, THAT  
8 PERMIT AUTOMATICALLY BECOMES A NULLITY. IN LIEU OF A ONE-YEAR PERMIT WITH  
9 AN OPTION FOR A ONE-YEAR EXTENSION, A PERMIT MAY BE GRANTED FOR TWO YEARS  
10 WITH NO EXTENSION POSSIBLE.

11 **PART 112.4 SUSPENSION OF PERMITS.** EXCEPT FOR A PERMIT FOR A SUBSTATION  
12 ISSUED TO A PUBLIC SERVICE COMPANY AS DEFINED IN TITLE 1 OF THE PUBLIC UTILITY  
13 COMPANIES ARTICLE OF THE ANNOTATED CODE OF MARYLAND, ANY PERMIT ISSUED  
14 SHALL BECOME INVALID IF THE AUTHORIZED WORK IS NOT COMMENCED WITHIN SIX  
15 MONTHS AFTER ISSUANCE OF THE PERMIT, OR IF THE AUTHORIZED WORK IS  
16 SUSPENDED OR ABANDONED FOR A PERIOD OF SIX MONTHS AFTER THE TIME OF  
17 COMMENCING THE WORK.

18 **PART 112.5 REMOVAL OF DANGER DUE TO LACK OF ACTIVE WORK.** IF AT ANY TIME  
19 THE BUILDING OFFICIAL DETERMINES THAT THE PUBLIC HEALTH OR SAFETY IS  
20 ENDANGERED BY THE LACK OF ACTIVE CONSTRUCTION ON THE WORK AUTHORIZED  
21 BY THE PERMIT FOR THE CONSTRUCTION OR REHABILITATION OF A STRUCTURE OR  
22 DWELLING ON A SINGLE LOT OF RECORD, THE BUILDING OFFICIAL MAY ENFORCE  
23 COMPLIANCE UNDER THE PROVISIONS OF ARTICLE 3, TITLE 6 OF THE BALTIMORE  
24 COUNTY CODE, 2003. AS USED IN THIS PARAGRAPH, "ACTIVE CONSTRUCTION" MEANS  
25 THE USE OF REASONABLE EFFORTS TO COMPLETE THE AUTHORIZED WORK IN A  
26 TIMELY MANNER CONSISTENT WITH USUAL AND CUSTOMARY LOCAL CONSTRUCTION  
27 INDUSTRY STANDARDS.

28 **PART 112.6 REVOCATION OF PERMITS.** THE BUILDING OFFICIAL MAY REVOKE A  
29 PERMIT OR APPROVAL ISSUED UNDER THE PROVISIONS OF THIS CODE IN THE CASE OF  
30 ANY FALSE STATEMENT OR MISREPRESENTATION OF FACT IN THE APPLICATION OR ON  
31 THE PLANS ON WHICH THE PERMIT OR APPROVAL WAS BASED. IF ANY PERMIT IS  
32 ISSUED IN VIOLATION OF THE PROVISIONS OF THIS CODE OR OTHER LAWS,  
33 RESOLUTIONS AND REGULATIONS OF BALTIMORE COUNTY, OR LAWS OF THE STATE OF

1 MARYLAND, OR WITHOUT PROPER AUTHORITY, IT MAY BE VOIDED AS IF IT HAD NEVER  
2 BEEN ISSUED.

3 **PART 112.7 WITHHOLDING OF PERMITS.** WHENEVER THE BUILDING OFFICIAL SHALL  
4 FIND THAT ANY CONTRACTOR OR OWNER IS IN VIOLATION OF THE PROVISIONS OF THIS  
5 CODE OR OF THE RULES AND REGULATIONS OF ANY OTHER DEPARTMENT OR AGENCY  
6 OF BALTIMORE COUNTY IN CONNECTION WITH THE ERECTION, ALTERATION OR  
7 DEMOLITION OF BUILDINGS, STRUCTURES, LANDS, OR EQUIPMENT THEREON OR  
8 THEREIN, THE BUILDING OFFICIAL MAY REFUSE TO GRANT ANY ADDITIONAL PERMITS  
9 TO THE CONTRACTOR OR OWNER UNTIL ALL SUCH VIOLATIONS HAVE BEEN  
10 CORRECTED.

11 **PART 112.8 CONSTRUCTION STANDARDS.**

12 **PART 112.8.1 WORKMANSHIP.** ALL WORK PERFORMED UNDER A PERMIT ISSUED UNDER  
13 THIS CODE SHALL BE UNDERTAKEN IN A WORKMANLIKE MANNER, THAT IS DONE BY A  
14 WORKER OF AVERAGE SKILL AND INTELLIGENCE IN COMPLIANCE WITH ALL  
15 APPLICABLE CODES AND ACCEPTED INDUSTRY PRACTICES. (SEE SECTION 110.12 OF THE  
16 NATIONAL ELECTRIC CODE/NFPA 70 REGARDING EXECUTION OF ELECTRICAL WORK.)

17 **PART 112.8.2 SUPERVISION BY LICENSEES AND CONTRACTORS.** PERSONS  
18 PERFORMING WORK REQUIRING AN ELECTRICIAN'S LICENSE OR PLUMBERS AND  
19 GASFITTERS LICENSE AND BUILDING CONTRACTORS, INCLUDING HOME IMPROVEMENT  
20 CONTRACTORS, SHALL PROVIDE ADEQUATE SUPERVISION OF ALL WORKERS ENGAGED  
21 IN COMPLETING PERMITTED WORK, INCLUDING SUBCONTRACTORS. ADEQUATE  
22 SUPERVISION OF SUBCONTRACTORS PERFORMING ELECTRICAL, HVAC, PLUMBING AND  
23 GASFITTING WORK INCLUDES INSURING SUPERVISORY EMPLOYEES ARE PROPERLY  
24 LICENSED UNDER COUNTY OR STATE LAWS AND REGULATIONS.

25 **PART 112.8.3 PRE-PERMIT KNOWLEDGE.** BEFORE FILING AN APPLICATION FOR A  
26 PERMIT ISSUED UNDER THIS CODE TO ALTER, REPAIR OR MODIFY AN EXISTING  
27 STRUCTURE OR BUILDING, THE CONTRACTOR SHALL HAVE REASONABLE KNOWLEDGE  
28 OF CONDITIONS OF THE WORK SITE WHICH IS THE SUBJECT OF THE PERMIT.

29 **PART 113 SUBMITTAL DOCUMENTS.**

30 **PART 113.1 CONSTRUCTION DOCUMENTS.** CONSTRUCTION DOCUMENTS SHALL BE  
31 PREPARED BY A REGISTERED PROFESSIONAL ARCHITECT OR ENGINEER LICENSED BY  
32 THE STATE. ALL PLANS, COMPUTATIONS AND SPECIFICATIONS SUBMITTED WITH A  
33 BUILDING PERMIT APPLICATION SHALL BE PREPARED BY OR UNDER THE DIRECT  
34 SUPERVISION OF A REGISTERED ARCHITECT OR ENGINEER AND BEAR THAT

1 ARCHITECT'S OR ENGINEER'S ORIGINAL SIGNATURE AND SEAL IN ACCORDANCE WITH  
2 THE STATE'S LAWS AND REGULATIONS GOVERNING THE PROFESSIONAL REGISTRATION  
3 AND CERTIFICATION OF ARCHITECTS AND ENGINEERS. THE SUBMISSION OF SEALED  
4 DOCUMENTS MAY BE WAIVED IN WHOLE OR IN PART AT THE DISCRETION OF THE  
5 BUILDING OFFICIAL WHEN THE NATURE AND SCOPE OF THE WORK IS SUCH THAT  
6 REVIEW OF CERTAIN CONSTRUCTION DOCUMENTS IS NOT NECESSARY TO OBTAIN  
7 COMPLIANCE WITH THIS CODE.

8 **PART 113.2 CHANGE IN SITE PLAN.** A LOT SHALL NOT BE CHANGED, INCREASED OR  
9 DIMINISHED IN AREA FROM THAT SHOWN ON THE OFFICIAL PLAT SITE PLAN, UNLESS A  
10 REVISED SITE PLAN DEMONSTRATING COMPLIANCE WITH ALL APPLICABLE COUNTY  
11 REGULATIONS AS A RESULT OF SUCH CHANGES IS SUBMITTED TO AND APPROVED BY  
12 THE CODE OFFICIAL.

13 **PART 113.3 SITE PLAN REQUIRED TO BUILD, ALTER, MODIFY, REPLACE OR EXTEND A**  
14 **PIER OR MOORING PILES.** AN APPLICANT FOR A PERMIT TO BUILD, ALTER, MODIFY,  
15 REPLACE OR EXTEND A PIER OR MOORING PILES SHALL SUBMIT A SITE PLAN  
16 COMPLYING WITH THE REQUIREMENTS FOR A PLOT DIAGRAM AS SET FORTH IN  
17 SECTION 417 OF THE BALTIMORE COUNTY ZONING REGULATIONS, INCLUDING  
18 SPECIFIED RULES FOR DIVISIONAL LINES. THE CODE OFFICIAL IS AUTHORIZED TO  
19 WAIVE OR MODIFY THE REQUIREMENT FOR A SITE PLAN WHEN THE APPLICATION FOR  
20 PERMIT IS FOR ALTERNATION OR REPAIR OR WHEN OTHERWISE WARRANTED.

21 **PART 113.4 CHANGE OF OCCUPANCY, PLANS REQUIRED.** SIGNED AND SEALED PLANS  
22 AND DATA SHEETS PREPARED BY A REGISTERED DESIGN PROFESSIONAL SHALL BE  
23 SUBMITTED AT TIME OF CHANGE OF OCCUPANCY PERMIT REQUEST SHOWING  
24 COMPLIANCE WITH ALL APPLICABLE CODES PERTAINING TO THE NEW PURPOSED USE.

25 **PART 114 FEES.**

26 **PART 114.1 SCHEDULE OF PERMIT FEES.** ALL FEES FOR PERMITS REQUIRED BY THIS  
27 CODE SHALL BE THOSE ESTABLISHED PURSUANT TO SECTION 35-2-302 OF THE  
28 BALTIMORE COUNTY CODE, 2003.

29 **PART 114.2 ACCOUNTING.** AN ACCURATE ACCOUNT SHALL BE KEPT OF ALL FEES  
30 COLLECTED FOR BUILDING PERMITS.

31 **PART 114.3 REFUNDS.** IN THE CASE OF A REVOCATION OF A PERMIT OR ABANDONMENT  
32 OR DISCONTINUANCE OF A BUILDING PROJECT OR THE DENIAL OF A PERMIT  
33 APPLICATION, NO REFUNDS OF PERMIT FEES WILL BE MADE.

34 **PART 115 INSPECTIONS.**

1 **PART 115.1 REQUIRED INSPECTIONS.** AFTER ISSUING A BUILDING PERMIT, THE CODE  
2 OFFICIAL SHALL CONDUCT INSPECTIONS FROM TIME TO TIME DURING AND UPON  
3 COMPLETION OF THE WORK FOR WHICH A PERMIT HAS BEEN ISSUED. AN INSPECTION  
4 MAY INCLUDE, AT THE DISCRETION OF THE CODE OFFICIAL, ANY OR ALL OF THE  
5 INSPECTIONS SET FORTH IN SECTION 110 OF THE INTERNATIONAL BUILDING CODE,  
6 SECTION R109 OF THE INTERNATIONAL RESIDENTIAL CODE AND SECTIONS C104 AND  
7 R104 OF THE INTERNATIONAL ENERGY CONSERVATION CODE.

8 **PART 115.2 CHANGE OR DAMAGE TO INSPECTED WORK.** IF AN EVENT OCCURS PRIOR  
9 TO ISSUANCE OF A CERTIFICATE OF OCCUPANCY CAUSING CHANGE OR DAMAGE TO  
10 WORK PREVIOUSLY INSPECTED, THE BUILDER SHALL NOTIFY THE BUILDING OFFICIAL,  
11 AND A REINSPECTION SHALL BE REQUIRED. A RECORD OF ALL SUCH EXAMINATIONS  
12 AND INSPECTIONS AND OF ALL VIOLATIONS OF THIS CODE SHALL BE MAINTAINED BY  
13 THE BUILDING OFFICIAL.

14 **PART 115.3 OTHER INSPECTIONS.** THE OWNER SHALL PROVIDE FOR OTHER  
15 INSPECTIONS AS REQUIRED BY THIS CODE OR AS REQUESTED BY THE BUILDING  
16 OFFICIAL.

17 **PART 116 APPROVALS BY OTHER AUTHORITIES.** THE BUILDING OFFICIAL SHALL HAVE  
18 THE AUTHORITY TO REQUIRE SATISFACTORY EVIDENCE SHOWING THAT OTHER  
19 REGULATORY AGENCIES HAVING JURISDICTION OVER THE DESIGN, CONSTRUCTION,  
20 ALTERATION, REPAIR, EQUIPMENT, MAINTENANCE, PROCESS, AND RELOCATION OF A  
21 STRUCTURE HAVE ISSUED APPROPRIATE APPROVALS, INCLUDING CERTIFICATES OF  
22 OCCUPANCY.

23 **PART 117 APPEAL.** AN APPEAL OF THE ACTION OF THE BUILDING OFFICIAL SHALL BE  
24 PURSUANT AND SUBJECT TO SECTION 35-2-302 OF THE BALTIMORE COUNTY CODE, 2003.

25 **PART 118 PROSECUTION OF VIOLATION.** THE BUILDING OFFICIAL SHALL INSTITUTE  
26 OR CAUSE TO BE INSTITUTED ANY APPROPRIATE ACTION FOR ANY VIOLATION OF THIS  
27 CODE IN ACCORDANCE WITH ARTICLE 3, TITLE 6 OF THE BALTIMORE COUNTY CODE,  
28 2003, OR A PROCEEDING AT LAW OR IN EQUITY WHICH MAY BE NECESSARY AND  
29 PROPER, TO RESTRAIN, CORRECT OR ABATE SUCH VIOLATION OR TO REQUIRE THE  
30 REMOVAL OR TERMINATION OF THE UNLAWFUL USE OF THE BUILDING OR STRUCTURE  
31 IN VIOLATION OF THE PROVISIONS OF THIS CODE OR OF THE ORDER OR DIRECTION  
32 MADE PURSUANT THERETO.

33 **PART 119 FALSE STATEMENT.** ANY PERSON WHO KNOWINGLY MAKES A FALSE  
34 STATEMENT, REPRESENTATION OR CERTIFICATION IN ANY APPLICATION, RECORD,

1 REPORT, SITE PLAN, OR OTHER DOCUMENT SUBMITTED TO THE DEPARTMENT OF  
2 PERMITS, APPROVALS AND INSPECTION IS, IN ADDITION TO ANY OTHER PENALTIES,  
3 SUBJECT TO A CIVIL PENALTY NOT EXCEEDING \$2,500.

4 **PART 120 STOP WORK ORDER.**

5 **PART 120.1 AUTHORITY.** WHENEVER THE BUILDING OFFICIAL FINDS OR HAS REASON  
6 TO BELIEVE WORK REGULATED BY THIS CODE (1) IS DANGEROUS OR UNSAFE, OR (2) IS  
7 BEING UNDERTAKEN CONTRARY TO A DULY AUTHORIZED ORDER OR PERMIT, THE  
8 BUILDING OFFICIAL IS AUTHORIZED TO ISSUE A STOP WORK ORDER.

9 **PART 120.2 ISSUANCE.** THE STOP WORK ORDER SHALL BE IN WRITING AND SHALL BE  
10 SERVED UPON EITHER THE OWNER, OWNER'S AGENT OR PERSON RESPONSIBLE FOR THE  
11 CONDITION OR VIOLATION, BY MAIL TO THE OWNER'S ADDRESS SHOWN ON THE TAX  
12 ROLL MAINTAINED BY THE MARYLAND DEPARTMENT OF ASSESSMENTS AND  
13 TAXATION AND BY PERSONAL SERVICE; BY DELIVERING THE SAME TO AND LEAVING A  
14 COPY WITH AN ADULT PERSON OF SUITABLE AGE AND DISCRETION AT THE WORK SITE,  
15 OR POSTING A COPY IN A CONSPICUOUS PLACE AT THE WORK SITE. UPON ISSUANCE OF  
16 A STOP WORK ORDER THE CITED WORK SHALL IMMEDIATELY CEASE.

17 **PART 120.3 UNLAWFUL CONTINUANCE AFTER STOP WORK ORDER.** ANY PERSON WHO  
18 CONTINUES ANY WORK ON OR ABOUT THE STRUCTURE AFTER HAVING BEEN SERVED  
19 WITH A STOP WORK ORDER, EXCEPT WORK THE PERSON HAS BEEN DIRECTED TO  
20 PERFORM TO REMOVE A VIOLATION OR UNSAFE CONDITIONS, SHALL BE SUBJECT TO A  
21 CIVIL PENALTY OF \$1,000 FOR EACH DAY WORK SUBJECT TO THE STOP WORK ORDER  
22 CONTINUES.

23 **PART 121 UNSAFE STRUCTURES AND EQUIPMENT.**

24 **PART 121.1 NOTICE OF UNSAFE STRUCTURES.** IF AN UNSAFE CONDITION IS FOUND IN  
25 A BUILDING OR STRUCTURE, THE BUILDING OFFICIAL SHALL SERVE ON THE OWNER,  
26 AGENT OR PERSON IN CONTROL OF THE BUILDING OR STRUCTURE A WRITTEN NOTICE  
27 DESCRIBING THE BUILDING OR STRUCTURE DEEMED UNSAFE AND SPECIFYING THE  
28 REQUIRED REPAIRS OR IMPROVEMENTS TO BE MADE TO RENDER THE BUILDING OR  
29 STRUCTURE SAFE AND SECURE, OR REQUIRING THE UNSAFE BUILDING OR STRUCTURE  
30 OR PORTION THEREOF TO BE DEMOLISHED WITHIN A STIPULATED TIME.

31 **PART 121.2 REPAIR ORDER ISSUED BY THE BUILDING OFFICIAL.** THE BUILDING  
32 OFFICIAL SHALL ISSUE AN ORDER SPECIFYING THE REPAIRS, IF ANY, THE OWNER MUST  
33 MAKE, AND A TIME WITHIN WHICH THE OWNER SHALL COMPLY. THE ORDER SHALL BE  
34 MAILED TO THE OWNER OF RECORD, OR ON AN AGENT, WHENEVER AN AGENT IS IN

1 CHARGE OF THE BUILDING, AT THE ADDRESS TO WHICH BALTIMORE COUNTY'S  
2 DIRECTOR OF BUDGET AND FINANCE MAILES TAX BILLS IN ACCORDANCE WITH SECTION  
3 11-2-302 OF THE BALTIMORE COUNTY CODE, 2003.

4 **PART 121.3 FAILURE TO COMPLY WITH AN ORDER ISSUED BY THE BUILDING**  
5 **OFFICIAL.** WHENEVER THE OWNER, AGENT OR PERSON IN CONTROL OF THE BUILDING  
6 OR STRUCTURE FAILS TO COMPLY WITH AN ORDER ISSUED BY THE BUILDING OFFICIAL  
7 UNDER THE AUTHORITY CONTAINED IN THIS CODE TO REPAIR OR RAZE AN UNSAFE  
8 STRUCTURE, THE BUILDING OFFICIAL SHALL INSTITUTE OR CAUSE TO BE INSTITUTED  
9 APPROPRIATE REMEDIAL ACTION INCLUDING THE RAZING OF THE BUILDING OR  
10 STRUCTURE. THE COST OF RAZING AND REMOVAL OR REPAIRING SHALL BE CHARGED  
11 AGAINST THE REAL ESTATE UPON WHICH THE STRUCTURE IS LOCATED AND SHALL BE  
12 A LIEN UPON THE REAL ESTATE.

13 **PART 121.4 UNREASONABLE REPAIR COSTS.** WHENEVER THE BUILDING OFFICIAL  
14 DETERMINES THAT THE COST OF REQUIRED REPAIRS WOULD EXCEED 100 PERCENT OF  
15 THE THEN CURRENT VALUE OF THE STRUCTURE REPORTED ON THE ASSESSMENT  
16 ROLLS MAINTAINED BY THE MARYLAND DEPARTMENT OF ASSESSMENTS AND  
17 TAXATION, THE REPAIRS SHALL BE PRESUMED UNREASONABLE, AND IT SHALL BE  
18 PRESUMED, FOR THE PURPOSE OF THIS SECTION, THAT THE STRUCTURE IS A NUISANCE  
19 AND MAY BE ORDERED RAZED WITHOUT THE OWNER HAVING THE OPTION TO REPAIR  
20 IT.

21 **PART 121.5 TEMPORARY SAFEGUARDS.** IF AN UNSAFE CONDITION EXISTS WHICH  
22 REQUIRES IMMEDIATE CORRECTION, THE CODE OFFICIAL MAY TAKE SUCH  
23 CORRECTIVE ACTION AS IS DEEMED APPROPRIATE AND NECESSARY TO ABATE THE  
24 UNSAFE CONDITION PRIOR TO COMPLYING WITH THE NOTICE REQUIREMENTS OF THIS  
25 SECTION.

26 **PART 121.6 TAMPERING WITH SIGNS OR OTHER SAFETY MEASURES ORDERED BY**  
27 **THE CODE OFFICIAL.** NO PERSON, EXCEPT A PERSON AUTHORIZED BY THE CODE  
28 OFFICIAL, SHALL REMOVE, UNLOCK, DESTROY, OR TAMPER WITH IN ANY MANNER ANY  
29 LOCKED GATE, DOOR, OR BARRICADE, CHAIN, ENCLOSURE, SIGN, TAG, OR SEAL PUT IN  
30 PLACE BY THE CODE OFFICIAL PURSUANT TO THIS CODE.

31 **PART 122 FENCES.**

32 **PART 122.1 RESIDENTIAL PROPERTIES.** FENCES ON RESIDENTIAL PROPERTY SHALL  
33 COMPLY WITH THE FOLLOWING HEIGHT REQUIREMENTS:

1       **1. FRONT YARDS.** THE MAXIMUM HEIGHT PERMITTED FOR ANY RESIDENTIAL  
2 OCCUPANCY FENCE SHALL BE 42 INCHES ABOVE NORMAL GRADE IN A FRONT YARD.

3       **2. SIDE AND REAR YARDS.** THE MAXIMUM HEIGHT PERMITTED FOR ANY  
4 RESIDENTIAL OCCUPANCY FENCE SHALL BE SIX FEET ABOVE NORMAL GRADE IN A  
5 SIDE AND REAR YARD (AS DEFINED BY THE BALTIMORE COUNTY ZONING  
6 REGULATIONS). A FENCE MAY BE ERECTED UP TO TEN FEET HIGH IN A SIDE OR REAR  
7 YARD WHEN THE FENCE IS SET BACK FROM THE PROPERTY LINE A HORIZONTAL  
8 DISTANCE OF TWO FEET FOR EVERY VERTICAL FOOT OF HEIGHT IN EXCESS OF SIX FEET.

9       **EXCEPTION:** IF THE REAR OR SIDE YARD ADJOINS THE FRONT YARD OF ANOTHER  
10 RESIDENCE, OR IF THE SIDE YARD ADJOINS A PUBLIC ROAD IN A D.R. OR R.C. 5 ZONE,  
11 THE BALTIMORE COUNTY ZONING REGULATIONS SHALL CONTROL.

12       **3. MISCELLANEOUS PROVISIONS.** IF A FENCE IS INSTALLED ON TOP OF A WALL  
13 WHICH HAS BEEN ERECTED TO RETAIN EARTH OR SUPPORT A STRUCTURE SUCH AS A  
14 PORCH OR DECK AND IF THE FENCE IS USED FOR PROTECTION OF THE PUBLIC, THE  
15 HEIGHT OF THE FENCE SHALL BE MEASURED FROM THE GRADE OR DECK SURFACE TO  
16 THE TOP OF THE FENCE AS MAY BE APPLICABLE. PRIVACY FENCES INTENDED TO  
17 SCREEN PORTIONS OF YARD AREAS SUCH AS PATIOS, SWIMMING POOLS, ETC. MAY BE  
18 SITUATED IN FRONT YARDS AND MAY EXCEED 42 INCHES IF SHOWN ON A FINAL  
19 DEVELOPMENT PLAN AND APPROVED BY THE DIRECTOR OF PLANNING AND BY THE  
20 ZONING COMMISSIONER.

21       **PART 122.2 COMMERCIAL PROPERTIES.** FENCES TO BE ERECTED FOR THE ENCLOSURE  
22 OR PROTECTION OF ANY PREMISES OTHER THAN RESIDENTIAL PROPERTY MAY BE  
23 CONSTRUCTED UP TO 12 FEET HIGH. HOWEVER, THE BUILDING OFFICIAL IS HEREBY  
24 AUTHORIZED AND EMPOWERED TO ORDER A FENCE TO BE BUILT HIGHER THAN 12 FEET  
25 IN ANY LOCATION WHEN SUCH FENCE IS NECESSARY TO PROVIDE PROPER PROTECTION  
26 AROUND A DANGEROUS PLACE, HIGHLY HAZARDOUS OPERATION, ATHLETIC FIELD OR  
27 ANY OTHER LOCATION WHERE SUCH A HIGH FENCE IS NECESSARY FOR THE  
28 PROTECTION OR SAFETY OF THE PUBLIC.

29       **PART 122.3 ALL PROPERTIES.** ALL FENCES SHALL COMPLY WITH THE FOLLOWING  
30 REQUIREMENTS:

31       1. ELECTRIC FENCES SHALL BE PERMITTED ONLY ON FARMS FOR THE RETENTION  
32 OF LIVESTOCK, AND ONLY IF THE ELECTRIC FENCES ARE NOT A SAFETY HAZARD TO  
33 PEOPLE.

1 2. NO FENCE SHALL HAVE ANY PROJECTING SHARP POINTS, JAGGED EDGES OR  
2 OTHER PROJECTIONS WHICH MAY INJURE PERSONS OR ANIMALS COMING IN CONTACT  
3 WITH SUCH FENCE, AND NO FENCE LESS THAN FOUR FEET HIGH SHALL HAVE SHARP  
4 PICKETS OR VERTICAL POINTED OBJECTS ON TOP.

5 3. BARBED WIRE OR OTHER APPROVED RETARDING MATERIAL OR CONSTRUCTION  
6 MAY BE PLACED ON TOP OF ANY FENCE WHICH IS MORE THAN SIX FEET, NINE INCHES  
7 HIGH EXCEPT WHERE SUCH BARBED WIRE OR OTHER RETARDING MATERIAL WILL  
8 CREATE A HIGHLY HAZARDOUS CONDITION. BARBED WIRE FENCES SHALL BE  
9 PERMITTED ON FARMS FOR THE RETENTION OF LIVESTOCK ONLY IF THE FENCES ARE  
10 NOT A SAFETY HAZARD TO PEOPLE.

11 **PART 122.4 WAIVERS.** ANY PERSON MAY APPLY FOR A WAIVER TO THE HEIGHT  
12 LIMITATION REQUIREMENTS OF PARTS 122.1 AND 122.2. THE BUILDING OFFICIAL OR  
13 DESIGNEE IS HEREBY EMPOWERED TO GRANT SUCH WAIVERS, PROVIDED PUBLIC  
14 NOTICE HAS BEEN GIVEN AND A PUBLIC HEARING HAS BEEN HELD BEFORE THE  
15 BUILDING OFFICIAL OR DESIGNEE IF REQUESTED. PUBLIC NOTICE SHALL CONSIST OF  
16 POSTING THE PROPERTY FOR A PERIOD OF 15 DAYS. ANYONE LIVING WITHIN 1000 FEET  
17 OF THE SUBJECT PROPERTY MAY REQUEST A PUBLIC HEARING, OR MAY SUBMIT  
18 WRITTEN COMMENTS FOR CONSIDERATION. IF NO PUBLIC HEARING IS REQUESTED, THE  
19 BUILDING OFFICIAL OR DESIGNEE MAY GRANT A WAIVER CONTAINING ANY  
20 APPROPRIATE CONDITIONS OR LIMITATIONS. IF A PUBLIC HEARING IS REQUESTED,  
21 NOTICE SHALL BE FURTHER PROVIDED BY POSTING THE PROPERTY FOR AN  
22 ADDITIONAL 15 DAYS. SUCH NOTICE SHALL INCLUDE THE DATE, TIME, AND LOCATION  
23 OF THE HEARING. ANY APPEAL FROM THE DECISION OF THE BUILDING OFFICIAL OR HIS  
24 DESIGNEE WILL BE PURSUANT TO SECTION 32-4-281 OF THE BALTIMORE COUNTY CODE,  
25 2003. ANY ORDER BY THE BUILDING OFFICIAL GRANTING A WAIVER SHALL CONTAIN A  
26 FINDING OF FACT SETTING FORTH AND SPECIFYING THE REASON OR REASONS FOR  
27 MAKING SUCH VARIANCE.

28 **PART 123 CONSTRUCTION IN FLOOD HAZARD AREAS GENERALLY.**

29 ALL PERMITTED ACTIVITY IN A FLOOD HAZARD AREA SHALL BE SUBJECT TO THE  
30 LEGAL REQUIREMENTS SET FORTH IN SECTION 32-4-414 OF ARTICLE 32, TITLE 4 OF THE  
31 BALTIMORE COUNTY CODE, 2003 TITLED FLOODPLAIN AND WETLAND PROTECTION AND  
32 ARTICLE 32, TITLE 8 OF THE BALTIMORE COUNTY CODE, 2003 TITLED FLOODPLAIN  
33 MANAGEMENT AS WELL AS THE REQUIREMENTS OF THIS CODE.

34 **PART 123.1 SELECTED DEFINITIONS.**

1           **1. SUBSTANTIAL IMPROVEMENT** – ANY REPAIR, RECONSTRUCTION, ALTERATION,  
2 OR IMPROVEMENT OF A STRUCTURE, THE COST OF WHICH EQUALS OR EXCEEDS 50% OF  
3 THE MARKET VALUE OF THE STRUCTURE (LESS LAND VALUE) EITHER: (A) BEFORE THE  
4 IMPROVEMENT OR REPAIR IS STARTED; OR (B) IF THE STRUCTURE INCURRED  
5 SUBSTANTIAL DAMAGE AND HAS BEEN RESTORED, BEFORE THE DAMAGE OCCURRED,  
6 SUBSTANTIAL IMPROVEMENT OCCURS WHEN THE FIRST ALTERATION OF ANY WALL,  
7 CEILING, FLOOR, OR OTHER STRUCTURAL PART OF THE BUILDING COMMENCES. THE  
8 MINIMUM REPAIRS NEEDED TO CORRECT PREVIOUSLY IDENTIFIED VIOLATIONS OF  
9 LOCAL HEALTH, SAFETY, OR SANITARY CODES, AND ALTERATIONS TO HISTORIC  
10 STRUCTURES WHICH DO NOT PRECLUDE THEIR CONTINUED DESIGNATION AS HISTORIC  
11 STRUCTURES ARE NOT CONSIDERED SUBSTANTIAL IMPROVEMENTS. THESE BUILDINGS  
12 OR ADDITIONS SHALL BE DESIGNED AND ADEQUATELY ANCHORED TO PREVENT  
13 FLOTATION, COLLAPSE, OR LATERAL MOVEMENT OF THE STRUCTURE WITH MATERIALS  
14 RESISTANT TO FLOOD DAMAGE.

15           **2. REPETITIVE LOSS** - FLOOD RELATED DAMAGE SUSTAINED BY A STRUCTURE ON  
16 TWO SEPARATE OCCASIONS DURING A 10-YEAR PERIOD FOR WHICH THE COST OF  
17 REPAIRS AT THE TIME OF EACH SUCH FLOOD EVENT, ON THE AVERAGE, EQUALS OR  
18 EXCEEDS 25% OF THE MARKET VALUE OF THE STRUCTURE BEFORE THE DAMAGE  
19 OCCURRED.

20           **PART 123.2 BUILDING APPLICATION REQUIREMENTS.** THE APPLICATION FOR A  
21 BUILDING PERMIT SHALL CONTAIN ALL INFORMATION, MAPS, AND PLANS DEEMED  
22 APPROPRIATE BY THE DEPARTMENT INCLUDING THE DELINEATION OF THE 100-YEAR  
23 FLOOD ELEVATION AND BOUNDARY AND THE PROPOSED ELEVATION OF THE LOWEST  
24 FLOOR AND METHOD OF ELEVATION, IF APPLICABLE.

25           **PART 123.3 ELEVATION CERTIFICATIONS.** ALL APPLICANTS SHALL AGREE IN WRITING  
26 TO PROVIDE TWO ELEVATION CERTIFICATES COMPLETED BY A PROFESSIONAL LAND  
27 SURVEYOR. THE FIRST ELEVATION CERTIFICATE SHALL BE PROVIDED AT THE  
28 COMPLETION OF THE FIRST FLOOR DECK CERTIFYING THAT THE LOWEST OCCUPIED  
29 FLOOR OF THE STRUCTURE IS AT OR ABOVE THE FLOOD PROTECTION ELEVATION. THE  
30 SECOND ELEVATION CERTIFICATE SHALL BE PROVIDED AT THE FINAL INSPECTION AND  
31 SHALL INCLUDE ALL APPLICABLE DATA REQUIRED BY THE FEDERAL EMERGENCY  
32 MANAGEMENT AGENCY TO BE INCLUDED IN THE ELEVATION CERTIFICATE AT THE  
33 TIME OF FINISHED CONSTRUCTION. ALL ELEVATIONS SHALL BE REFERENCED TO THE  
34 NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

1 **PART 123.4 OCCUPANCY LIMITATIONS.** FOR ENCLOSED AREAS BELOW THE FLOOD  
2 PROTECTION ELEVATION. A NON-CONVERSION AGREEMENT OR DECLARATION OF LAND  
3 RESTRICTION MAY BE REQUIRED RESTRICTING THE USE OF ENCLOSED AREAS BELOW  
4 THE FLOOD ELEVATION. IF AN IMPROVEMENT TO AN EXISTING STRUCTURE IS  
5 PROPOSED, ADEQUATE INFORMATION ON THE COST OF THE IMPROVEMENT AND THE  
6 MARKET VALUE OF THE STRUCTURE BEFORE THE IMPROVEMENT MUST BE SUPPLIED  
7 TO THE DEPARTMENT TO ALLOW A DETERMINATION OF SUBSTANTIAL IMPROVEMENT.  
8 THE DEPARTMENT MAY USE TAX ASSESSMENT RECORDS TO DETERMINE SUBSTANTIAL  
9 IMPROVEMENT.

10 **PART 124 AREAS SUBJECT TO TIDAL FLOODING.**

11 **PART 124.1 LOWEST FLOOR ELEVATION FOR NEW BUILDINGS.**

12 WHENEVER A NEW BUILDING IS CONSTRUCTED IN AREAS SUBJECT TO TIDAL FLOODING  
13 AS ESTABLISHED BY THE MOST RECENT FIS (FLOOD INSURANCE STUDY) AND FIRM  
14 (FLOOD INSURANCE RATE MAP) OF BALTIMORE COUNTY OR MORE RESTRICTIVE  
15 CRITERIA AS ESTABLISHED BY THE COUNTY, THE BUILDING'S LOWEST FLOOR SHALL  
16 NOT BE LOWER THAN THE ONE FOOT ABOVE THE FLOOD PROTECTION ELEVATION.  
17 THIS SECTION SHALL ALSO APPLY TO BUILDINGS THAT ARE REMOVED FROM THE 100  
18 YEAR FLOODPLAIN BY THE USE OF FILL IN ACCORDANCE WITH SECTION 1804.4 OF THE  
19 INTERNATIONAL BUILDING CODE.

20

21 **PART 124.2 LOWEST FLOOR ELEVATIONS FOR SUBSTANTIAL IMPROVEMENTS.**

22 WHENEVER SUBSTANTIAL IMPROVEMENTS TO EXISTING BUILDINGS, INCLUDING  
23 ADDITIONS, ARE CONSTRUCTED, OR BUILDINGS EXPERIENCING REPETITIVE LOSS ARE  
24 LOCATED IN AREAS SUBJECT TO TIDAL FLOODING AS ESTABLISHED BY THE MOST  
25 RECENT FIS AND FIRM OF BALTIMORE COUNTY OR MORE RESTRICTIVE CRITERIA AS  
26 ESTABLISHED BY THE COUNTY, THE BUILDING'S LOWEST FLOOR SHALL BE NOT LOWER  
27 THAN THE FLOOD PROTECTION ELEVATION.

28 **PART 124.3 BASEMENTS NOT PERMITTED.** BASEMENTS (FLOORS BELOW GRADE ON  
29 ALL FOUR SIDES) ARE NOT PERMITTED FOR NEW BUILDINGS, FOR SUBSTANTIAL  
30 IMPROVEMENTS TO EXISTING BUILDINGS, BUILDINGS EXPERIENCING REPETITIVE LOSS  
31 OR FOR ADDITIONS. NEW BASEMENTS ARE NOT PERMITTED BELOW EXISTING  
32 BUILDINGS. AN AREA BENEATH A BUILDING WILL NOT BE CONSIDERED A BASEMENT  
33 OR THE LOWEST FLOOR IF IT MEETS THE FOLLOWING CRITERIA:

- 34 1. THE AREA CONTAINS NO MACHINERY OR EQUIPMENT. FULLY ENCLOSED  
35 AREAS BELOW THE FLOOD PROTECTION ELEVATION SHALL BE USED SOLELY FOR

1 PARKING VEHICLES, ACCESS TO THE BUILDING, OR STORAGE. IF SUCH AREAS ARE  
2 ENCLOSED, AND A DECLARATION OF LAND RESTRICTION IS RECORDED.

3 2. THE AREA IS CONSTRUCTED WITH OPENINGS (EXCLUDING DOORS) TO ALLOW  
4 THE AUTOMATIC PASSAGE OF FLOOD WATERS AND EQUALIZATION OF WATER  
5 PRESSURES AND WHICH SATISFY THE FOLLOWING REQUIREMENTS:

6 A. A MINIMUM OF TWO OPENINGS ON SEPARATE SIDES OF THE  
7 STRUCTURE HAVING A TOTAL NET AREA OF NOT LESS THAN ONE SQUARE INCH FOR  
8 EVERY SQUARE FOOT OF ENCLOSED AREA SUBJECT TO FLOODING SHALL BE PROVIDED.

9 B. THE BOTTOM OF ALL OPENINGS SHALL BE NO HIGHER THAN ONE FOOT  
10 ABOVE GRADE.

11 C. OPENINGS MAY BE EQUIPPED WITH SCREENS, LOUVERS, VALVES, OR  
12 OTHER DEVICES, PROVIDED THAT THEY PERMIT AUTOMATIC ENTRY AND EXIT OF  
13 FLOODWATER.

14 D. OTHER DESIGNS FOR MEETING THESE CRITERIA MUST BE CERTIFIED BY  
15 A LICENSED PROFESSIONAL ENGINEER.

16 3. THE AREA IS CONSTRUCTED OF FLOOD-RESISTANT MATERIALS BELOW THE  
17 FPE AND A DECLARATION OF LAND RESTRICTION IS RECORDED.

18 4. THE FLOOR LEVEL IS AT OR ABOVE EXISTING GRADE ON AT LEAST ONE SIDE.  
19 IN ADDITION, A NON-CONVERSION AGREEMENT OR DECLARATION OF LAND  
20 RESTRICTION WILL BE REQUIRED FOR CRAWL SPACES MORE THAN 4 FEET IN HEIGHT.

21 **PART 124.4 ACCESSORY STRUCTURES AND GARAGES GREATER THAN 300 SQUARE**  
22 **FEET.** WHERE FEASIBLE, ACCESSORY STRUCTURES AND GARAGES GREATER THAN 300  
23 SQUARE FEET SHOULD BE LOCATED OUT OF THE FLOODPLAIN OR ELEVATED TO OR  
24 ABOVE THE FLOOD PROTECTION ELEVATION. WHEN THESE MEASURES ARE NOT  
25 FEASIBLE, THE FOLLOWING APPLY:

26 1. THE FLOOR OF THE STRUCTURE MUST BE AT OR ABOVE GRADE;

27 2. THE STRUCTURE MUST BE LOCATED, ORIENTED, AND CONSTRUCTED SO AS TO  
28 MINIMIZE FLOOD DAMAGE; AND

29 3. THE STRUCTURE MUST BE FIRMLY ANCHORED TO PREVENT FLOTATION.

30 IN ADDITION, A NON-CONVERSION OR DECLARATION OF LAND RESTRICTION WILL BE  
31 REQUIRED FOR ACCESSORY STRUCTURES AND GARAGES GREATER THAN 300 SQUARE  
32 FEET.

33 **PART 124.5 ATTACHED AND DETACHED GARAGES AND ACCESSORY STRUCTURES**  
34 **MEETING PART 124.3 REQUIREMENTS.** ACCESSORY STRUCTURES OR GARAGES USED

1 SOLELY FOR PARKING VEHICLES AND LIMITED STORAGE AND MEETING THE COUNTY'S  
2 VENTING REQUIREMENTS AND THE REQUIREMENTS OF PART 124.3 ABOVE, HAVING ALL  
3 INTERIOR WALLS, CEILINGS, AND FLOOR ELEMENTS BELOW THE FLOOD PROTECTION  
4 ELEVATION UNFINISHED, AND CONTAINING NO MACHINERY, ELECTRIC DEVICES, OR  
5 APPLIANCES LOCATED BELOW THE FLOOD PROTECTION ELEVATION, SHALL BE  
6 SUBJECT TO THE FOLLOWING CONTINGENCIES OR RESTRICTIONS:

7 1. STRUCTURES OR GARAGES WHICH ARE 300 SQUARE FEET OR LESS IN AREA  
8 SHALL BE PERMITTED WITH A NON-CONVERSION AGREEMENT,

9 2. STRUCTURES OR GARAGES WHICH ARE GREATER THAN 300 SQUARE FEET BUT  
10 LESS THAN OR EQUAL TO 900 SQUARE FEET IN AREA SHALL ONLY BE PERMITTED WITH  
11 A NON-CONVERSION AGREEMENT OR RECORDED DECLARATION OF LAND RESTRICTION,  
12 AND

13 3. STRUCTURES OR GARAGES WHICH EXCEED 900 SQUARE FEET IN AREA SHALL  
14 NOT BE PERMITTED.

15 **PART 124.6 MANUFACTURED HOMES, MANUFACTURED BUILDINGS, AND ADDITIONS**  
16 **THERE TO.** MANUFACTURED HOMES, MANUFACTURED BUILDINGS, AND ADDITIONS  
17 THERE TO MUST SATISFY THE FOLLOWING REQUIREMENTS IF AVAILABLE:

18 1. MANUFACTURED HOMES, OR MANUFACTURED BUILDINGS, OR ADDITIONS  
19 THERE TO ON SITES WITHIN A FLOOD ZONE (i) OUTSIDE OF A MANUFACTURED HOME  
20 PARK OR SUBDIVISION OR (ii) IN AN EXISTING MANUFACTURED HOME PARK SHALL BE  
21 ELEVATED TO ESTABLISH A LOWEST FLOOR ABOVE THE FLOOD PROTECTION  
22 ELEVATION.

23 2. WHERE A MANUFACTURED HOME, OR MANUFACTURED BUILDING, OR  
24 ADDITION THERE TO IS TO BE ELEVATED TO ESTABLISH A LOWEST FLOOR ABOVE THE  
25 FLOOD PROTECTION ELEVATION, IT MUST BE ELEVATED ON A PERMANENT  
26 FOUNDATION AND MUST BE SECURELY ANCHORED TO AN ADEQUATELY ANCHORED  
27 FOUNDATION SYSTEM TO RESIST FLOTATION COLLAPSE AND LATERAL MOVEMENT.  
28 METHODS OF ANCHORING MAY INCLUDE, BUT ARE NOT LIMITED TO, USE OF OVER-THE-  
29 TOP OR FRAME TIES TO GROUND ANCHORS.

30 3. IN THE FLOODPLAIN AREA, THE MINIMUM WIND FORCE APPLICABLE TO THE  
31 DESIGN OF ANCHORAGE AND TIE-DOWN FACILITIES FOR MANUFACTURED HOMES, OR  
32 MANUFACTURED BUILDINGS OR ADDITIONS THERE TO SHALL BE NINETY (90) MILES PER  
33 HOUR.

1           4. FOR EACH SITE WITHIN A FLOODPLAIN ON WHICH AN EXISTING  
2 MANUFACTURED HOME, OR MANUFACTURED BUILDING, OR ADDITION THERETO,  
3 INCURS "SUBSTANTIAL DAMAGE" AS A RESULT OF A FLOOD, THE UNIT MUST, UPON  
4 REPLACEMENT OR REPAIR, BE ELEVATED ON A PERMANENT FOUNDATION SO THAT THE  
5 LOWEST FLOOR OF EACH MANUFACTURED UNIT OR ADDITION WILL BE AT OR ABOVE  
6 THE FLOOD PROTECTION ELEVATION IN FULL COMPLIANCE WITH SUBSECTIONS 1. AND  
7 2. ABOVE.

8       **PART 124.7 RECREATIONAL VEHICLES.** A RECREATIONAL VEHICLE WHICH REMAINS  
9 ON A SITE FOR MORE THAN 180 CONSECUTIVE DAYS SHALL BE CONSIDERED A  
10 MANUFACTURED HOME OR MANUFACTURED BUILDING AND SHALL COMPLY WITH ALL  
11 REGULATIONS.

12       **PART 124.8 NEW AND REPLACEMENT UTILITY SYSTEMS.** NEW OR REPLACEMENT  
13 UTILITY SYSTEMS, INCLUDING BUT NOT LIMITED TO WATER SUPPLY, SANITARY  
14 SEWAGE, ELECTRIC, GAS, AND OIL, MUST BE DESIGNED TO MINIMIZE OR ELIMINATE  
15 INFILTRATION OF FLOOD WATERS INTO THE SYSTEMS AND DISCHARGES FROM THE  
16 SYSTEMS INTO FLOOD WATERS, AND ONSITE WASTE DISPOSAL SYSTEMS MUST BE  
17 LOCATED SO AS TO AVOID IMPAIRMENT OR CONTAMINATION DURING FLOODING AND  
18 SHALL SATISFY THE FOLLOWING REQUIREMENTS IF APPLICABLE:

19           1. SEPTIC TANKS MUST BE ADEQUATELY ANCHORED TO PREVENT FLOTATION.

20           2. IN ALL FLOOD-RESISTANT CONSTRUCTION OR WHERE AN EXISTING BUILDING  
21 IS UNDERGOING SUBSTANTIAL IMPROVEMENT, THE FOLLOWING REQUIREMENTS  
22 SHALL APPLY:

23           A. ELECTRIC WATER HEATERS, ELECTRIC FURNACES, GENERATORS, HEAT  
24 PUMPS, AIR CONDITIONERS, AND OTHER PERMANENT ELECTRICAL INSTALLATIONS,  
25 VENTILATION AND OTHER SERVICE FACILITIES SHALL BE PERMITTED ONLY AT OR  
26 ABOVE THE FLOOD PROTECTION ELEVATION.

27           B. NO ELECTRICAL DISTRIBUTION PANELS SHALL BE PERMITTED AT AN  
28 ELEVATION LESS THAN TWO (2) FEET ABOVE THE FLOOD PROTECTION ELEVATION.

29           C. ALL FURNACES, WATER HEATERS, AND OTHER PERMANENT MECHANICAL  
30 INSTALLATIONS SHALL BE PERMITTED ONLY AT OR ABOVE THE FLOOD PROTECTION  
31 ELEVATION.

32       **PART 124.9 NEW AND SUBSTANTIALLY IMPROVED NON-RESIDENTIAL STRUCTURES.**  
33 NEW OR SUBSTANTIALLY IMPROVED NON-RESIDENTIAL STRUCTURES LOCATED IN THE  
34 TIDAL FLOODPLAIN MAY BE FLOODPROOFED TO THE FLOOD PROTECTION ELEVATION.

1 UNDER THIS OPTION, THE OWNER MUST HAVE A PROFESSIONAL ENGINEER OR  
2 ARCHITECT SUBMIT A FULLY EXECUTED FLOODPROOFING CERTIFICATE TO THE  
3 COUNTY PRIOR TO THE APPROVAL OF THE CONSTRUCTION BY ANY BUILDING OFFICIAL  
4 OF BALTIMORE COUNTY.

5 **PART 124.10 NEW AND EXISTING OIL, GAS AND PROPANE TANKS.** ALL NEW AND  
6 EXISTING OIL, GAS AND PROPANE TANKS SHALL BE ANCHORED TO PREVENT  
7 FLOATATION, COLLAPSE AND LATERAL MOVEMENT UNDER FLOOD CONDITIONS BY  
8 MEANS OF AN APPROVED ENGINEERED ANCHORAGE SYSTEM OR SHALL BE INSTALLED  
9 AT/OR ABOVE THE FLOOD PROTECTION ELEVATION AND SHALL BE SET UPON A FIRM  
10 FOUNDATION AND SUPPORTS TO PREVENT FLOATATION, COLLAPSE AND LATERAL  
11 MOVEMENT UNDER FLOOD CONDITIONS. IT SHALL BE UNLAWFUL TO FILL OR REFILL  
12 ANY SUCH TANK THAT IS NOT SO ANCHORED OR ELEVATED.

13 **PART 124.11 NEW OR REPLACED OIL TANKS.** ALL NEW OR REPLACED OIL TANKS  
14 SHALL HAVE THEIR VENT PIPE AND NON-LIQUID TIGHT FILL CONNECTION  
15 TERMINATION POINT AT LEAST TWO FEET ABOVE THE FLOOD PROTECTION ELEVATION.  
16 THIS PROVISION SHALL ALSO APPLY TO SUBSTANTIAL IMPROVEMENT BUILDINGS AND  
17 BUILDINGS EXPERIENCING A REPETITIVE LOSS. VENT AND FILL PIPE SUPPORT SHALL  
18 BE IN ACCORDANCE WITH SECTION 305 OF THE MECHANICAL CODE.

19 **PART 124.12 FUEL OIL SYSTEMS.** FUEL OIL SYSTEM INSTALLATION SHALL COMPLY  
20 WITH SECTION 1305 OF THE MECHANICAL CODE UNLESS OTHERWISE MODIFIED BY THIS  
21 CODE.

22 **PART 125 AREAS SUBJECT TO INUNDATION BY RIVERINE SURFACE WATERS WITHIN  
23 THE 100-YEAR FLOODPLAIN.**

24 **PART 125.1 NO NEW BUILDINGS OR ADDITIONS.** NO NEW BUILDINGS OR ADDITIONS  
25 SHALL BE CONSTRUCTED IN ANY RIVERINE FLOODPLAIN. THE 100-YEAR FLOODPLAIN  
26 SHALL BE BASED UPON THE FEDERAL FLOOD INSURANCE STUDY OR AS ESTABLISHED  
27 BY THE DIRECTOR OF PUBLIC WORKS, WHICHEVER IS THE MORE RESTRICTIVE. THIS  
28 DETERMINATION SHALL INCLUDE PLANNED FUTURE DEVELOPMENT OF THE  
29 WATERSHED AREA.

30 **PART 125.2 RECONSTRUCTION OR REPAIR OF EXISTING BUILDINGS.**  
31 RECONSTRUCTION OR REPAIR OF EXISTING BUILDINGS SHALL BE GOVERNED BY PART  
32 121 "UNSAFE STRUCTURES AND EQUIPMENT". ALL SUBSTANTIAL IMPROVEMENTS TO  
33 EXISTING BUILDINGS SHALL BE PERMITTED ONLY ON THE BASIS OF AN APPROVED  
34 WAIVER IN ACCORDANCE WITH ARTICLE 32, TITLE 8, SUBTITLE 3 OF THE BALTIMORE

1 COUNTY CODE, 2003, "WAIVERS", AND SHALL BE SUBJECT TO ALL APPLICABLE  
2 CONDITIONS OF SECTION 32-8-207 OF THE BALTIMORE COUNTY CODE, 2003 AND THE  
3 REQUIREMENTS OF THIS CODE.

4 WHERE REPLACEMENT STRUCTURES CANNOT BE RELOCATED OUT OF THE  
5 FLOODPLAIN, THEY SHALL BE LIMITED TO THE FOOTPRINT OF THE PREVIOUS  
6 STRUCTURE. ALL SUBSTANTIALLY IMPROVED STRUCTURES, INCLUDING  
7 MANUFACTURED HOMES, SHALL HAVE THE LOWEST FLOOR ELEVATED TO OR ABOVE  
8 THE FLOOD PROTECTION ELEVATION. THE LOWEST FLOOR ELEVATION FOR HOUSES OR  
9 BUILDINGS ADJACENT TO A RIVERINE FLOODPLAIN SHALL BE TWO FEET ABOVE THE  
10 BASE FLOOD ELEVATION.

11 **PART 126 ROOF DRAINAGE AND PROTECTION OF EXTERIOR OPENINGS.**

12 **PART 126.1 GENERAL REQUIREMENTS FOR ROOF DRAINAGE.**

13 1. GUTTERS, DOWNSPOUTS AND LEADERS SHALL BE PROVIDED ON ALL  
14 BUILDINGS TO PROPERLY COLLECT, CONDUCT AND DISCHARGE THE WATER FROM THE  
15 ROOFS OF SUCH BUILDINGS AND SHALL BE DISCHARGED IN A STORM DRAIN, OR, WHEN  
16 PERMITTED, INTO THE DRIVEWAY OF AN ALLEY, STREET OR OTHER PUBLIC WAY. IN  
17 THE ABSENCE OF ANY STORM DRAIN, ALLEY, STREET OR PUBLIC WAY, THE WATER  
18 MAY BE DISCHARGED ONTO SPLASH BLOCKS OR INTO THE GROUND, AND DIVERTED  
19 FROM THE BUILDING.

20 2. ROOFS, CORNICES, COPINGS OR OTHER SUCH PROJECTIONS, WHICH ARE LESS  
21 THAN FIVE FEET, MEASURED HORIZONTALLY IN THE LINE OF FLOW AND DISCHARGING  
22 OFF THE OUTER EDGE, SHALL NOT BE REQUIRED TO HAVE GUTTERS OR DOWNSPOUTS,  
23 PROVIDED THE WATER THEREFROM IS NOT DISCHARGED UPON A SIDEWALK, FOOTWAY  
24 OR ANY ADJOINING PROPERTY.

25 3. WHEN, BECAUSE OF THE LOCATION OF A WALL OR WALLS, RAIN STRIKING A  
26 WALL SURFACE WILL DRAIN ON THE ROOF, DUE ALLOWANCE SHALL BE MADE FOR THE  
27 WALL SURFACE IN DETERMINING THE SIZE OF THE GUTTERS AND CONDUCTORS.

28 4. DOWNSPOUTS ARE TO DISCHARGE AT A DISTANCE OF NOT LESS THAN EIGHT  
29 FEET FROM ANY PROPERTY LINE MEASURED ALONG THE PATH OF FLOW.

30 5. ALL GUTTERS AND CONDUCTORS SHALL BE RIGIDLY SUPPORTED.

31 6. THE GUTTERS OF ADJACENT BUILDINGS ON ADJOINING PROPERTIES SHALL  
32 NOT BE CONNECTED WITH COMMON DOWNSPOUTS OR LEADERS, BUT EACH BUILDING  
33 SHALL HAVE INDIVIDUAL DOWNSPOUTS OR LEADER ON THE PROPERTY ON WHICH IT IS  
34 LOCATED.

1 **PART 126.2 EXTERIOR OPENINGS.**

2 **PART 126.2.1 SILLS.** ALL SILLS WHICH REST ON CONCRETE OR MASONRY EXTERIOR  
3 WALLS SHALL BE A MINIMUM OF SIX INCHES ABOVE THE FINISHED PROPERTY GRADE.

4 **PART 126.2.2 WINDOW WELLS.** THE SILL OF ALL WINDOW OPENINGS BELOW GRADE  
5 SHALL BE AT LEAST SIX INCHES ABOVE THE ELEVATION OF THE BOTTOM OF THE  
6 WINDOW WELL AND CERTIFIED BY AN ENGINEER.

7 **PART 127 BALTIMORE COUNTY MAINTAINED GRINDER PUMPS.** ALL GRINDER PUMP  
8 STATIONS MAINTAINED BY BALTIMORE COUNTY SHALL BE POWERED BY A DEDICATED  
9 30 AMP RATED LOCKABLE BREAKER TYPE SERVICE ENTRANCE DISCONNECT SWITCH  
10 CONNECTED TO A UTILITY ELECTRICAL METER. SUCH BREAKER SHALL BE INSTALLED  
11 ADJACENT TO AND WITHIN SIGHT OF THE PUBLIC UTILITY ELECTRICAL METER. A 30  
12 AMP RATED FEEDER SHALL BE INSTALLED TO FEED A 30 AMP RATED CONTROLLER. A  
13 30 AMP RATED BRANCH CIRCUIT SHALL BE INSTALLED TO FEED THE GRINDER PUMP.  
14 ALL EQUIPMENT, WIRING AND THE ELECTRICAL METER SHALL BE INSTALLED AND  
15 REMAIN COMPLETELY OUTSIDE THE BUILDING. ALL EQUIPMENT TYPE AND WIRING  
16 METHODS SHALL BE APPROVED BY THE DEPARTMENT OF PUBLIC WORKS, PRIOR TO  
17 THE INSTALLATION.

18 **PART 128 ELECTRICAL**

19 **PART 128.1 GENERAL.** THE DESIGN AND CONSTRUCTION OF ALL NEW INSTALLATIONS  
20 OF ELECTRICAL CONDUCTORS, FITTINGS, DEVICES AND FIXTURES FOR LIGHT, HEAT  
21 AND POWER SERVICE EQUIPMENT USED FOR POWER SUPPLY TO RADIO AND  
22 TELEVISION RECEIVING SYSTEMS AND AMATEUR RADIO TRANSMISSION SYSTEMS IN  
23 BUILDINGS AND STRUCTURES; AND ALL ALTERATIONS OR EXTENSIONS TO EXISTING  
24 WIRING SYSTEMS, THEREIN TO INSURE SAFETY SHALL CONFORM TO ARTICLE 21, TITLE  
25 7, SUBTITLE 3 OF THE BALTIMORE COUNTY CODE, 2003 AS IT NOW EXISTS OR AS IT  
26 FROM TIME TO TIME MAY BE AMENDED, INCLUDING THE REQUIREMENTS FOR PERMITS  
27 AND INSPECTIONS WITH RESPECT THERETO, AND TO THE NATIONAL ELECTRICAL CODE  
28 AS IT NOW EXISTS OR AS IT, FROM TIME TO TIME, MAY BE AMENDED.

29 **PART 128.1.1 OUT OF STATE LICENSED CONTRACTORS.** ALL WORK BEING PERFORMED  
30 ON A PERMIT ISSUED TO A LICENSED ELECTRICAL CONTRACTOR WHOSE BUSINESS  
31 ADDRESS IS OUTSIDE THE STATE OF MARYLAND MUST BE DIRECTLY SUPERVISED BY  
32 AN EMPLOYEE OF THAT LICENSED ELECTRICAL CONTRACTOR.

33 **PART 128.1.2 REPAIRS TO ALUMINUM CONDUCTORS.** ALL REPAIRS, CHANGES, OR  
34 MODIFICATIONS INVOLVING THE USE OF ALUMINUM CONDUCTORS SHALL BE MADE

1 SOLEY BY LICENSED ELECTRICAL CONTRACTORS. ALL REPAIRS SHALL REQUIRE  
2 PERMITS AND INSPECTIONS PURSUANT TO §21-7-302 OF THE BALTIMORE COUNTY CODE,  
3 2003.

4 **PART 128.1.3 SIGNS, LABELS, MARKINGS.** ALL REQUIRED SIGNS, LABELS, MARKINGS,  
5 ETC. SHALL BE PERMANENTLY AFFIXED AND SHALL BE SUITABLE FOR THE  
6 ENVIRONMENT ENCOUNTERED.

7 **PART 128.1.4 ACCESSIBILITY OF BUILDING SERVICE DISCONNECT.** THE SERVICE  
8 DISCONNECT FOR ANY BUILDING OR STRUCTURE SHALL BE ACCESSIBLE, THAT IS,  
9 CAPABLE OF BEING REACHED QUICKLY FOR OPERATION.

10 **PART 128.1.5 SECURING AND SUPPORTING ELECTRICAL FIXTURES, DEVICES AND**  
11 **EQUIPMENT IN SUSPENDED CEILINGS. IN ADDITION TO THE REQUIREMENTS OF THE**  
12 **NATIONAL ELECTRIC CODE:** ALL ELECTRICAL FIXTURES, DEVICES, AND EQUIPMENT  
13 MUST BE SECURED INDEPENDENTLY OF THE CEILING GRID STRUCTURE UTILIZING A  
14 MINIMUM 12 SWG WIRE. LAY-IN FIXTURES SHALL BE SECURED AT DIAGONAL ENDS  
15 USING (2) INDIVIDUAL WIRES FROM FIXTURE TO STRUCTURE. RECESSED TYPE  
16 FIXTURES SHALL BE SECURED TO THE GRID TO ACCOMMODATE INSTALLATION OF THE  
17 FIXTURE TRIM.

18 **PART 128.1.6 CONDUCTOR IDENTIFICATION.** CONDUCTORS SHALL BE COLOR  
19 IDENTIFIED IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS:

- 20 1. ELECTRICAL CONDUCTORS:  
21 A. 120V/240V 1 $\phi$  BLACK, RED, (WHITE GROUNDED LEG)  
22 B. 120V/208V 3 $\phi$  BLACK, RED, BLUE, (WHITE GROUNDED LEG)  
23 C. 277V/480V 3 $\phi$  BROWN, ORANGE, YELLOW, (GRAY GROUNDED LEG)  
24 D. 240V 3 $\phi$  CENTER LEG GROUND BLACK, BLUE, (WHITE GROUNDED LEG STRIPED  
25 RED)  
26 E. 480V 3 $\phi$  CENTER LEG GROUND BROWN, YELLOW, (GRAY GROUNDED LEG  
27 STRIPED ORANGE).

- 28 2. RACEWAY PULL IN SYSTEMS. PHASE AND GROUNDED CONDUCTORS:  
29 A. CONDUCTORS 8 GAUGE WIRE (AWG) OR SMALLER; THE ENTIRE CONDUCTOR  
30 SHALL BE THE REQUIRED COLOR THE ENTIRE LENGTH.  
31 B. CONDUCTORS LARGER THAN 8 GAUGE WIRE (AWG); SHALL BE THE  
32 REQUIRED COLOR OR RE-IDENTIFIED AT ALL PANELBOARDS, CONTROL  
33 CENTERS, TERMINATIONS AND JUNCTION POINTS.

1 3. CABLE SYSTEMS: CABLE CONDUCTORS SHALL BE PERMITTED TO BE RE-  
2 IDENTIFIED THE REQUIRED COLOR AT ALL PANELBOARDS, CONTROL CENTERS,  
3 EQUIPMENT, AND JUNCTION POINTS, EXCEPT THAT ALL 277/480 VOLT FEEDER AND  
4 BRANCH CIRCUIT CABLES OF 8 GAUGE WIRE (AWG) OR SMALLER, SHALL BE THE  
5 REQUIRED COLOR THE ENTIRE LENGTH OF THE CIRCUIT.

6 4. STRIPING AND RE-IDENTIFICATION. STRIPING AND RE-IDENTIFICATION WHEN  
7 PERMITTED SHALL BE ACCOMPLISHED BY:

8 A. PERMANENT COLORING OR TAPING OF 2 INCH RINGS AT 5 INCH INTERVALS OR

9 B. A PERMANENT COLORED STRIPE THE LENGTH OF THE WIRE.

10  
11 **PART 128.2 ALUMINUM CONDUCTORS PROHIBITED 8AWG AND SMALLER.**

12 ALUMINUM CONDUCTORS OF SIZES 8 (AWG) AND SMALLER AMERICAN WIRE GAUGE  
13 ARE PROHIBITED FROM USE.

14 **PART 128.3 ALUMINUM CONDUCTORS PROHIBITED IN AIR CONDITIONERS, HEAT**  
15 **PUMPS AND ELECTRICAL HEAT.** ALUMINUM CONDUCTORS OF ANY GAUGE (AWG)  
16 AMERICAN WIRE GAUGE ARE PROHIBITED FROM USE IN THE INTERIOR OF AIR  
17 CONDITIONERS, HEAT PUMPS OR ELECTRICAL HEAT UNITS OF ANY TYPE IN BALTIMORE  
18 COUNTY.

19 **PART 128. 4 FOOTING GROUND REQUIRED.** THE GROUNDING ELECTRODE FOR ALL  
20 NEW BUILDINGS SHALL BE CONCRETE ENCASED IN ACCORDANCE WITH THE NATIONAL  
21 ELECTRICAL CODE.

22 **PART 128. 5 INSULATED SPLICING DEVICES.** INSULATED SPLICING DEVICES DESIGNED  
23 TO BE USED WITHOUT A BOX SHALL BE ACCESSIBLE.

24 **PART 128.6 ELECTRICAL SIGNS.** ELECTRICAL SIGNS MOUNTED ON THE OUTSIDE OF  
25 ALL BUILDINGS AND TENANT SPACES SHALL HAVE A DISCONNECT SWITCH TO  
26 DISCONNECT THE SIGN CIRCUIT BEFORE ENTERING THE SIGN. THIS SWITCH SHALL BE  
27 LOCATED ADJACENT TO AND WITHIN SIGHT OF THE SIGN SERVED.

28 **PART 128.7 MULTI OCCUPANCY ELECTRIC SERVICE.** IN MULTI-OCCUPANCY  
29 BUILDINGS, SEPARATE SPACES SUPPLIED BY SEPARATE ELECTRIC SERVICE LATERALS  
30 OR DROPS MUST BE SEPARATED BY TWO-HOUR RATED FIRE PARTITIONS THAT EXTEND  
31 TO THE UNDERSIDE OF THE FLOOR OR ROOF SHEATHING ABOVE OR TO THE BOTTOM OF  
32 A FIRE-RATED ASSEMBLY.

33 THE FIRE PARTITION MAY BE OF ONE-HOUR RATED CONSTRUCTION IF ALL THE  
34 FOLLOWING CONDITIONS ARE MET:

- 1 1. ADJACENT SERVICES ARE SUPPLIED BY THE SAME TRANSFORMER.
- 2 2. THE SPACES ARE SPRINKLERED.
- 3 3. THE BUILDING IS OWNED BY ONE LEGAL ENTITY.
- 4 4. IDENTIFYING SIGNS ARE INSTALLED AT EACH SERVICE LOCATION.
- 5 5. ALL PUBLIC SERVICES FEEDS SHALL PASS THROUGH PUBLIC OR
- 6 COMMON AREA SPACE.

7 **PART 128.8 SUPERVISION OF SOLAR PHOTOVOLTAIC INSTALLATIONS.** ALL PHASES  
8 OF SOLAR PHOTOVOLTAIC INSTALLATIONS, REPAIRS AND/OR MODIFICATIONS SHALL  
9 BE SUPERVISED ON SITE BY A LICENSED ELECTRICIAN QUALIFIED TO INSTALL SUCH  
10 SOLAR INSTALLATIONS.

11 **PART 128.8.1 INSTALLATION OF SOLAR PHOTOVOLTAIC SYSTEMS.** NEW  
12 PHOTOVOLTAIC SYSTEMS, OR EXTENSION OF EXISTING SYSTEMS SHALL ALSO COMPLY  
13 WITH SECTION 11.12 PHOTOVOLTAIC SYSTEMS OF NFPA 1, FIRE CODE, 2012 EDITION.

14 **EXCEPTION:** DETACHED, NONHABITABLE GROUP U STRUCTURES INCLUDING, BUT NOT  
15 LIMITED TO, PARKING SHADE STRUCTURES, CARPORTS, SOLAR TRELLISES AND  
16 SMILILAR STRUCTURES SHALL NOT BE SUBJECT TO THE REQUIREMENTS OF THIS  
17 SECTION.

18 **PART 128.9 SOLAR PHOTOVOLTAIC SUPPLY SIDE CONNECTION TO UTILITY.** WHERE  
19 SOLAR PHOTOVOLTAIC SYSTEMS ARE CONNECTED TO THE UTILITY ON THE SUPPLY  
20 SIDE OF THE SERVICE DISCONNECT, THE REQUIEMENTS OF THE **NATIONAL ELECTRIC**  
21 **CODE**, ARTICLE 230 SHALL APPLY TO THE INSTALLATION. GROUNDING AND BONDING  
22 REQUIEMENTS OF THE **NATIONAL ELECTRIC CODE**, ARTICLE 250 FOR SERVICES SHALL  
23 APPLY. THE UNFUSED PHOTOVOLTAIC SUPPLY SIDE CONDUCTORS SHALL BE KEPT AS  
24 SHORT AS PRACTICLE AND MUST BE IN A RACEWAY.

25 **PART 128.10 SOLAR PHOTOVOLTAIC SYSTEMS DC DISCONNECT.** A DISCONNECT  
26 SHALL BE PROVIDED TO DISCONNECT ALL DC POWER CIRCUITS DELIVERED BY A  
27 SOLAR PHOTOVOLTAIC SYSTEM TO A BUILDING OR STRUCTURE. THE ~~ENTIRE~~  
28 PHOTOVOLTAIC DC CIRCUIT ~~AND DISCONNECT~~ SHALL BE LOCATED OUTSIDE THE  
29 BUILDING OR STRUCTURE SERVED UNTIL IT REACHES THE DISCONNECT. THIS  
30 DISCONNECT SHALL BE READILY VISIBLE AND LOCATED A MAXIMUM 6 FEET, 7 INCHES  
31 ABOVE GRADE AND BE PROVIDED WITH A PERMANENT IDENTIFICATION SIGN.

32 **PART 128.11 SOLAR PHOTOVOLTAIC WIRING.** NO PART OF THE PHOTOVOLTAIC  
33 WIRING OR GROUNDING SYSTEM IS PERMITTED TO OBSTRUCT THE NORMAL FLOW OF

1 WATER OFF THE ROOF. THE FINAL WIRING FROM THE LAST MODULAR OF THE ARRAY  
2 TO THE COMBINER OR JUNCTION BOX MUST BE IN A RACEWAY OR TRACK.

3 **PART 128.12 GENERATORS.** ALL GENERATORS SHALL COMPLY WITH THIS CODE AS  
4 WELL AS PROVISIONS OF NFPA 37 STANDARD FOR THE INSTALLATION AND USE OF  
5 STATIONARY COMBUSTION ENGINES AND GAS TURBINES, 2010 EDITION; AND NFPA 110  
6 STANDARD FOR EMERGENCY AND STANDBY POWER SYSTEMS, 2010 EDITION.  
7 INSTALLATION AND USE SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S  
8 INSTRUCTIONS.

9 **PART 128.12.1 PROPERTY LINE SETBACK.** ALL GENERATORS SHALL BE SO POSITIONED  
10 AS TO BE A MINIMUM OF 5 FEET FROM A PROPERTY LINE.

11 **PART 128.12.2 GENERATOR EXHAUST.** ALL GENERATORS SHALL BE POSITIONED SO  
12 THAT THE EXHAUST IS DIRECTED AS FOLLOWS:

13 A. AT LEAST 5 FT IN ANY DIRECTION AWAY FROM ANY OPENINGS OR AIR  
14 INTAKES.

15 B. AT LEAST 5 FT AWAY FROM A BUILDING.

16 C. AT LEAST 5 FT AWAY FROM A PROPERTY LINE.

17 **PART 128.13 PORTABLE GENERATORS.** THE FOLLOWING REQUIREMENTS GOVERN THE  
18 USE OF PORTABLE GENERATORS:

19 1. PORTABLE GENERATORS SHALL NOT BE OPERATED OR REFUELED WITHIN  
20 BUILDINGS, PORCHES, BALCONIES OR ON ROOFS.

21 2. FUELING FROM A CONTAINER SHALL ONLY BE PERMITTED WHEN THE ENGINE IS  
22 SHUT DOWN AND ENGINE SURFACE TEMPERATURE IS BELOW THE  
23 AUTOIGNITION TEMPERATURE OF THE FUEL.

24 3. A PORTABLE GENERATOR SHALL BE ALLOWED TO BE UTILIZED AS A SOURCE OF  
25 POWER FOR A MAXIMUM OF 30 DAYS IN ANY CONSECUTIVE 12-MONTH PERIOD.

26 4. TEMPORARY WIRING METHODS MAY BE ACCEPTABLE ONLY IF APPROVED BASED  
27 ON THE CONDITIONS OF USE. EXCEPT AS MAY BE SPECIFICALLY MODIFIED IN  
28 NFPA 70, ALL OTHER REQUIREMENTS OF NFPA 70 FOR PERMANENT WIRING  
29 SHALL APPLY TO TEMPORARY WIRING INSTALLATIONS.

30 5. EXTENSION CORD AND FLEXIBLE CORDS SHALL NOT BE AFFIXED TO  
31 STRUCTURES; EXTEND THROUGH WALLS, CEILINGS, OR FLOORS, OR UNDER  
32 DOORS OR FLOOR COVERINGS; OR BE SUBJECT TO ENVIRONMENTAL OR  
33 PHYSICAL DAMAGE AND, UNLESS SPECIFICALLY PERMITTED IN ARTICLE 400.7 OF

1 NFPA 70, FLEXIBLE CORDS AND CABLES SHALL NOT BE USED AS A SUBSTITUTE  
2 FOR THE FIXED WIRING OF A STRUCTURE.

- 3 6. DEVIATIONS FROM REQUIREMENTS 1 AND 4 ABOVE DURING PERIODS OF  
4 CONSTRUCTION, REMODELING, REPAIR OR DEMOLITION UNDER A VALID  
5 BUILDING PERMIT SHALL BE SUBJECT TO THE APPROVAL OF THE CODE OFFICIAL.

6 **PART 128.14 AUTHORITY TO ORDER DISCONNECTION OF ENERGY SOURCES.** THE  
7 CODE OFFICIAL SHALL HAVE THE AUTHORITY TO ORDER THE DISCONNECTION OF  
8 ENERGY SOURCES SERVING A BUILDING, STRUCTURE OR MECHANICAL SYSTEM, WHEN  
9 IT IS DETERMINED THAT ANY PORTION OF THE SYSTEM, EQUIPMENT OR INSTALLATION  
10 IS HAZARDOUS OR UNSAFE.

11 **PART 128.15 ELECTRICAL RECEPTACLE REQUIRED FOR NEW OR REPLACEMENT**  
12 **DECK, BALCONY OR PORCH.** WHEN THE CONSTRUCTION OF A DECK, BALCONY OR  
13 PORCH IN ANY EXISTING RESIDENTIAL OCCUPANCY REQUIRES ELECTRICAL  
14 MODIFICATIONS, ALTERATIONS, REPAIRS, OR INSTALLATION, AN OUTDOOR  
15 RECEPTACLE SHALL BE INSTALLED TO SERVE THE DECK, BALCONY OR PORCH IN  
16 ACCORDANCE WITH THE NATIONAL ELECTRIC CODE.

17 **PART 129 PLUMBING SYSTEMS.**

18 **PART 129.1 DEFINITIONS.**

19 **LEAD-FREE:** “LEAD-FREE” MEANS SHALL CONTAIN NO MORE THAN A WEIGHTED  
20 AVERAGE OF 0.25% LEAD FOR THE WETTED SURFACES OF PIPES, PIPE FITTINGS,  
21 PLUMBING FITTINGS, AND FIXTURES. “LEAD-FREE” SOLDER AND FLUX CONTAINS NO  
22 MORE THAN 0.2% LEAD.

23 **WEIGHTED AVERAGE LEAD CONTENT:** THE WEIGHTED AVERAGE LEAD CONTENT OF A  
24 “LEAD-FREE” PIPE, PIPE FITTING, PLUMBING FITTING, OR FIXTURE SHALL BE  
25 CALCULATED BY USING THE FOLLOWING FORMULA: FOR EACH WETTED COMPONENT,  
26 THE PERCENTAGE OF LEAD IN THE COMPONENT SHALL BE MULTIPLIED BY THE RATIO  
27 OF THE WETTED SURFACE AREA OF THAT COMPONENT TO THE TOTAL WETTED  
28 SURFACE AREA OF THE ENTIRE PRODUCT TO ARRIVE AT THE WEIGHTED PERCENTAGE  
29 OF LEAD OF THE COMPONENT. THE WEIGHTED PERCENTAGE OF LEAD OF EACH  
30 WETTED COMPONENT SHALL BE ADDED TOGETHER AND THE SUM OF THESE WEIGHTED  
31 PERCENTAGES SHALL CONSTITUTE THE WEIGHTED AVERAGE LEAD CONTENT OF THE  
32 PRODUCT. THE LEAD CONTENT OF THE MATERIAL USED TO PRODUCE WETTED  
33 COMPONENTS SHALL BE USED TO DETERMINE COMPLIANCE WITH “LEAD-FREE”. FOR

1 LEAD CONTENT OF MATERIALS THAT ARE PROVIDED AS A RANGE, THE MAXIMUM  
2 CONTENT OF THE RANGE SHALL BE USED.

3 **PART 129.2 AMENDMENTS TO THE BALTIMORE COUNTY PLUMBING AND**  
4 **GASFITTING CODE.**

5 1. SECTIONS 3.3.6, 3.4.3, 3.4.5 a., 3.4.6, 3.4.7, 4.3.9, 7.1, 10.1, 16.6.7, 17.9, 17.15.1 AND  
6 17.15.2 OF THE 2009 NATIONAL STANDARD PLUMBING CODE – ILLUSTRATED ARE  
7 DELETED FROM THE PLUMBING AND GASFITTING CODE OF BALTIMORE COUNTY  
8 ADOPTED BY BALTIMORE COUNTY COUNCIL BILL NO. 89-09.

9 2. THAT THE FOLLOWING SECTIONS OF THE 2009 NATIONAL STANDARD  
10 PLUMBING CODE – ILLUSTRATED PREVIOUSLY REPEALED BY BALTIMORE COUNTY  
11 COUNCIL BILL NO. 89-09 SHALL BE READOPTED: 5.4.8, 10.12.6, 10.4.9, 10.16.6, 13.1.5, AND  
12 13.6 (SECTION TITLE ONLY) AS PART OF THE PLUMBING AND GASFITTING CODE OF  
13 BALTIMORE COUNTY, AND TABLE 3.4.2.

14 3. THAT THE FOLLOWING SECTIONS BE ADDED TO THE PLUMBING AND  
15 GASFITTING CODE OF BALTIMORE COUNTY.

16 TABLE 3.1.3 CHANGES

17 X MISCELANEOUS

18 LINE 12 – STANDARD CHANGES TO NSF 61-2011

19 LINE 19 – WEIGHTED AVERAGE LEAD CONTENT EVALUATION PROCEDURE TO A  
20 0.25% LEAD REQUIREMENT NSF 61- ANNEX G- 2009.

21 LINE 20 – DRINKING WATER SYSTEM COMPONENTS – LEAD CONTENT NSF 372 – 2010.

22 **3.4.3 WATER DISTRIBUTION PIPING.**

23 WATER PIPING FOR THE DISTRIBUTION OF HOT OR COLD WATER WITHIN BUILDINGS  
24 SHALL BE OF MATERIAL LISTED IN TABLE 3.4, AND SHALL BE WATER PRESSURE RATED  
25 FOR NOT LESS THAN 100 PSI AT 180 DEG F AND 160 PSI AT 73 DEG F. PLASTIC PIPING  
26 USED IN HOT WATER DISTRIBUTION SHALL BE INSTALLED IIN ACCORDANCE WITH THE  
27 REQUIREMENTS OF SECTION 10.15.8. NOTE: THE WORKING PRESSURE RATING OF  
28 CERTAIN APPROVED PLASTIC PIPING MATERIALS VARIES DEPENDING ON THE PIPE SIZE,  
29 MATERIAL COMPOSITION, WALL THICKNESS, AND METHODS OF JOINING. SEE TABLE  
30 3.4.3.

31 **3.4.5 MATERIAL RATINGS AND INSTALLATION.**

32 A. PIPING USED FOR POTABLE WATER SHALL BE SUITABLE FOR THE MAXIMUM  
33 TEMPERATURE, PRESSURE, AND VELOCITY THAT MAY BE ENCOUNTERED, INCLUDING  
34 TEMPORARY INCREASES AND SURGES.

1 **3.4.6 LIMIT ON LEAD CONTENT.**

2 A. THE PIPES, PIPE FITTINGS, PLUMBING FITTINGS, OR FIXTURES IN PLUMBING  
3 SYSTEMS THAT ARE INTENDED TO DISPENSE POTABLE WATER FOR HUMAN  
4 CONSUMPTION, INCLUDING DRINKING AND COOKING, SHALL BE “LEAD-FREE”,  
5 CONTAINING NOT MORE THAN A WEIGHTED AVERAGE OF 0.25% LEAD WITH RESPECT TO  
6 THE WETTED SURFACES, AS DEFINED IN SECTION 1.2 OF THIS CODE.

7 B. SOLDER AND FLUX FOR SOLDERED JOINTS IN POTABLE WATER PIPING SHALL BE  
8 “LEAD-FREE”, CONTAINING NOT MORE THAN 0.2% LEAD. FLUX FOR MAKING SOLDERED  
9 JOINTS IN “LEAD-FREE” PIPING SHALL BE RATED FOR THE TEMPERATURES NECESSARY  
10 FOR MAKING JOINTS IN “LEAD-FREE” PIPING.

11 C. POTABLE WATER SUPPLY COMPONENTS THAT ARE WITHIN THE SCOPE OF NSF 61  
12 FOR DRINKING WATER SYSTEM COMPONENTS AND ARE REQUIRED TO BE “LEAD-FREE”  
13 SHALL BE CERTIFIED TO COMPLY WITH EITHER NSF 61 AND ITS ANNEX G OR WITH NSF  
14 61 AND NSF 372.

15 D. POTABLE WATER SUPPLY COMPONENTS THAT ARE NOT WITHIN THE SCOPE OF  
16 NSF 61 FOR DRINKING WATER SYSTEM COMPONENTS BUT ARE REQUIRED TO BE “LEAD-  
17 FREE” SHALL COMPLY WITH NSF 372.

18 E. POTABLE WATER SUPPLY COMPONENTS THAT ARE NOT REQUIRED TO BE LEAD-  
19 FREE SHALL BE RATED FOR USE WITH POTABLE WATER BUT MAY CONTAIN UP TO 8%  
20 LEAD.

21 F. THE FOLLOWING POTABLE WATER END-USE DEVICES AND WATER SUPPLY PIPING  
22 ARE CONSIDERED TO BE INTENDED TO CONVEY WATER FOR HUMAN CONSUMPTION  
23 THROUGH DRINKING OR COOKING AND SHALL BE “LEAD-FREE”, INCLUDING THEIR  
24 ASSOCIATED SUPPLY PIPING:

- 25 1. KITCHEN SINK FAUCETS
- 26 2. BAR SINK FAUCETS
- 27 3. PRIVATE BATHROOM SINK FAUCETS
- 28 4. DRINKING FOUNTAIN FAUCETS
- 29 5. KITCHEN HOT WATER DISPENSERS
- 30 6. POINT-OF-USE WATER TREATMENT DEVICES
- 31 7. THE WATER SUPPLY TO ICE MAKERS
- 32 8. THE WATER SUPPLY TO POTABLE WATER HEATERS
- 33 9. THE WATER SUPPLY TO MISTING SYSTEMS FOR PRODUCE IN FOOD  
34 MARKETS

1 10. THE WATER SUPPLY TO COOKING EQUIPMENT FOR FOOD IN COMMERCIAL  
2 KITCHENS

3 11. THE WATER SUPPLY TO PRODUCTION EQUIPMENT FOR PROCESSED FOOD  
4 CONTAINING WATER

5 12. ANY OTHER END-USE DEVICES AND PIPING THAT CONVEY WATER FOR HUMAN  
6 CONSUMPTION

7 G. THE FOLLOWING PIPING COMPONENTS SHALL BE “LEAD-FREE” WHEN  
8 ASSOCIATED WITH “LEAD-FREE” END-USE DEVICES AND PIPING THAT IS REQUIRED TO  
9 BE “LEAD-FREE”:

10 1. MAIN SERVICE SHUTOFF VALVES

11 2. WATER SERVICE BACKFLOW PREVENTION DEVICES

12 3. WATER METERS

13 4. PRESSURE BOOSTER PUMPS

14 5. PRESSURE REDUCING VALVES

15 6. STRAINERS

16 7. WATER FILTERS

17 8. CHECK VALVES

18 9. CONTROL VALVES

19 10. VACUUM BREAKERS

20 11. WATER HAMMER ARRESTORS

21 12. MASTER HOT WATER MIXING VALVES

22 13. IN-LINE TEMPERING VALVES

23 14. HOT WATER RECIRCULATING PUMPS

24 15. BRANCH PIPING SHUTOFF VALVES

25 16. BALANCING VALVES

26 17. FIXTURE SHUTOFF VALVES

27 18. SOLENOID VALVES

28 19. TANKLESS WATER HEATERS

29 20. ANY OTHER PIPING COMPONENTS ASSOCIATED WITH END-USE DEVICES OR  
30 PIPING THAT ARE REQUIRED TO BE “LEAD-FREE”

31 H. THE FOLLOWING POTABLE WATER END-USE DEVICES AND WATER SUPPLIES ARE  
32 NOT CONSIDERED TO BE INTENDED TO CONVEY WATER FOR HUMAN CONSUMPTION  
33 THROUGH DRINKING OR COOKING AND ARE NOT REQUIRED TO BE “LEAD-FREE”,  
34 INCLUDING THEIR ASSOCIATED WATER SUPPLY PIPING, UNLESS THEIR ASSOCIATED

1 PIPING ALSO SERVES END-USE DEVICES AND WATER SUPPLIES THAT MUST BE “LEAD-  
2 FREE”.

- 3 1. BATHTUB FAUCETS
- 4 2. SHOWER VALVES, HEADS, AND ADAPTERS
- 5 3. TANK-TYPE WATER HEATERS
- 6 4. FLUSH VALVES FOR WATER CLOSETS
- 7 5. FLUSH VALVES FOR URINALS
- 8 6. FLUSH VALVES FOR BIDETS
- 9 7. SHUTOFF VALVES FOR CLOTHES WASHING MACHINES
- 10 8. LAVATORY FAUCETS IN PUBLIC TOILET ROOMS
- 11 9. LAUNDRY SINK FAUCETS
- 12 10. SERVICE SINK FAUCETS
- 13 11. FAUCETS FOR LABORATORY APPLICATIONS
- 14 12. HOSE BIBBS
- 15 13. TRAP SEAL PRIMING DEVICES
- 16 14. BACKFLOW PREVENTION DEVICES THAT SUPPLY NON-POTABLE APPLICATIONS
- 17 15. FIRE HOSE VALVES
- 18 16. WATER HAMMER ARRESTERS
- 19 17. THE WATER SUPPLY TO DISH WASHERS
- 20 18. THE WATER SUPPLY TO WHIRLPOOLS SPAS, THERAPY POOLS, AND SWIMMING  
21 POOLS
- 22 19. THE WATER SUPPLY TO BOILERS AND HEATING HOT WATER GENERATORS
- 23 20. THE WATER SUPPLY TO HUMIDIFIERS
- 24 21. THE WATER SUPPLY TO IRRIGATION SYSTEMS AND OTHER NON-POTABLE  
25 APPLICATIONS
- 26 22. THE WATER SUPPLY TO FOOD PRODUCTION EQUIPMENT THAT DOES NOT  
27 CONTACT THE FOOD
- 28 23. ANY OTHER END-USE DEVICES AND WATER SUPPLIES THAT DO NOT CONVEY  
29 WATER FOR HUMAN CONSUMPTION

### 30 **3.4.7 SHUTOFF VALVES**

31 A. ALL GATE VALVES, BALL VALVES, BUTTERFLY VALVES, GLOBE VALVES, AND  
32 OTHER SHUTOFF VALVES IN WATER SERVICE PIPING AND WATER DISTRIBUTION PIPING.  
33 THAT SUPPLY POTABLE WATER FOR HUMAN CONSUMPTION BY DRINKING OR COOKING  
34 SHALL BE “LEAD-FREE” IN ACCORDANCE WITH SECTION 3.4.6.

1 B. SHUTOFF VALVES THAT MUST BE “LEAD-FREE” AND ARE WITHIN THE SCOPE OF  
2 NSF 61 SHALL COMPLY WITH THE REQUIREMENTS OF EITHER NSF 61 AND ITS ANNEX G  
3 OR WITH NSF 61 AND NSF 372.

4 C. SHUTOFF VALVES THAT MUST BE “LEAD-FREE” BUT ARE NOT WITHIN THE SCOPE  
5 OF NSF 61 SHALL COMPLY WITH NSF 372.

6 D. SHUTOFF VALVES THAT ARE NOT REQUIRED TO BE “LEAD-FREE” SHALL BE  
7 RATED FOR USE WITH POTABLE WATER BUT MAY CONTAIN UP TO 8% LEAD.

8 **4.2.4 SOLDERED**

9 F. FLUX FOR MAKING SOLDERED JOINTS IN “LEAD-FREE” PIPING SHALL BE RATED  
10 FOR THE TEMPERATURES NECESSARY FOR MAKING JOINTS IN “LEAD-FREE” PIPING.

11  
12 **5.4.15 IN BUILDING SEWERS AT THE PROPERTY LINE**

13 A. CLEANOUTS SHALL BE PROVIDED AT THE PROPERTY LINE IN BUILDING SEWERS  
14 UP THROUGH 6 INCH SIZE AND BROUGHT TO THE SURFACE FOR USE BY THE BALTIMORE  
15 COUNTY BUREAU OF UTILITIES.

16 B. MANHOLES SHALL BE PROVIDED AT THE PROPERTY LINE IN BUILDING SEWERS 8  
17 INCH SIZE AND LARGER.

18 C. MANHOLES SHALL BE PROVIDED IN ACCORDANCE WITH THE DEPARTMENT OF  
19 PUBLIC WORKS STANDARD DETAIL.

20 D. THE RESPONSIBILITY FOR THE PROPER MAINTENANCE AND PERFORMANCE OF  
21 CLEANOUTS AND MANHOLES REQUIRED UNDER THIS SECTION SHALL BE THAT OF THE  
22 PROPERTY OWNER.

23 **5.4.16 LOCATION OF CLEANOUTS**

24 ALL PROPERTY LINE CLEAN OUTS MUST BE ABLE TO BE LOCATED UTILIZING A METAL  
25 DETECTING DEVICE.

26 **7.1 FIXTURE STANDARDS**

27 **7.1.1 GENERAL**

28 PLUMBING FIXTURES, PLUMBING FIXTURE TRIM, AND PLUMBING APPLIANCES SHALL  
29 COMPLY WITH THE STANDARDS LISTED IN TABLE 3.1.3.

30 **7.1.2 FIXTURE FAUCETS AND SUPPLY FITTINGS**

31 A. FIXTURE FAUCETS AND SUPPLY FITTINGS THAT SUPPLY POTABLE WATER FOR  
32 HUMAN CONSUMPTION BY DRINKING OR COOKING SHALL BE “LEAD-FREE” IN  
33 ACCORDANCE WITH SECTION 3.4.6.

1 B. FIXTURE FAUCETS AND SUPPLY FITTINGS THAT MUST BE “LEAD-FREE” AND ARE  
2 WITHIN THE SCOPE OF NSF 61 SHALL COMPLY WITH THE REQUIREMENTS OF EITHER NSF  
3 61 AND ITS ANNEX G OR WITH NSF 61 AND NSF 372.

4 C. FIXTURE FAUCETS AND SUPPLY FITTINGS THAT MUST BE “LEAD-FREE” BUT ARE  
5 NOT WITHIN THE SCOPE OF NSF 61 SHALL COMPLY WITH NSF 372.

6 D. FIXTURE FAUCETS AND SUPPLY FITTINGS THAT ARE NOT REQUIRED TO BE  
7 “LEAD-FREE” SHALL BE RATED FOR USE WITH POTABLE WATER BUT MAY CONTAIN UP  
8 TO 8% LEAD.

9 **10.1 QUALITY OF WATER SUPPLY**

10 ONLY POTABLE WATER SHALL BE SUPPLIED TO PLUMBING FIXTURES USED FOR  
11 DRINKING, BATHING, CULINARY USE, LAUNDRY USE, CLEANING, OR THE PROCESSING  
12 OF FOOD, MEDICAL, OR PHARMACEUTICAL PRODUCTS.

13 **16.6.7 DEPTH OF SEPTIC TANK.**

14 THE TOP OF THE SEPTIC TANK SHALL BE BROUGHT TO WITHIN 24 INCHES OF FINISHED  
15 GRADE. EACH MANHOLE ACCESS SHALL BE BROUGHT TO FINISHED GRADE AND HAVE A  
16 TAMPER RESISTANT LID. THE TANK ACCESS LID SHALL REMAIN IN PLACE TOGETHER  
17 WITH THE RISER LID. A SAFETY TYPE LID THAT IS ACCEPTABLE TO THE AUTHORITY  
18 HAVING JURISDICTION MAY BE USED IN LIEU OF THE LID SUPPLIED WITH THE TANK.

19 **PART 129.3 MAINTENANCE OF PLUMBING.** ALL PLUMBING SYSTEMS MUST BE  
20 MAINTAINED IN A SAFE AND SANITARY CONDITION. NO PERSON MAY DISCONNECT,  
21 BLOCK, OR CAP OFF AN EXISTING SEWER OR WATER LINE WITHOUT WRITTEN  
22 PERMISSION FROM BALTIMORE COUNTY.

23 **PART 200. INTERNATIONAL BUILDING CODE.** THIS PART SETS FORTH ADDITIONS AND  
24 AMENDMENTS TO AND DELETIONS FROM THE ICC INTERNATIONAL BUILDING CODE,  
25 2012 EDITION, IN ACCORDANCE WITH SECTION 4 OF THIS CODE.

26 **PART 201.** THE FOLLOWING CHAPTER SECTIONS ARE DELETED 101.1; 101.2; 101.4; 101.4.1;  
27 101.4.2; 101.4.3; 101.4.4; 101.4.5; 101.4.6; 102.6; 103.1; 103.2; 105.2; 105.6; 107.1 109.2; 109.3; 109.6;  
28 110.3; 113.1; 113.3; 114.3; 115.3; 116.3; 201.3; SECTION 202 DELETE DEFINITIONS HIGH-RISE  
29 BUILDING AND FOSTER CARE FACILITIES; 305.2; 308.6.1; 402.4.2; 402.4.2.1; 402.4.2.2.1;  
30 402.4.3; 402.4.3.1; 402.8.1.1; 403.1; 403.2.1.2; 403.4.5; 403.6.1; 506.2.2; 704.3; 718.3.1; 903.2.11.3;  
31 903.3.2; 905.3.1; 905.3.2; 905.3.7; 907.2.13.2; 907.2.15; 913.4; 915.1; DELETE EXCEPTION TO  
32 1005.3.1; DELETE EXCEPTION TO 1005.3.2; CHAPTER 11 ACCESSIBILITY; 1607.12.2; 1607.12.3;  
33 1607.12.3.1; TABLE 1807.1.6.3(1); DELETE NOTE C; 1807.2, 1809.5 DELETE EXCEPTION 2;  
34 APPENDIX C-C102.2;

1 **PART 202.** THE FOLLOWING CHAPTER, COLLECTIVELY REFERRED TO AS THE LOCAL  
2 AMENDMENTS TO THE INTERNATIONAL BUILDING CODE, 2012 EDITION ARE ADDED.

3 **CHAPTER 2 – DEFINITIONS**

4 **SECTION 201 GENERAL**

5 **201.3 TERMS DEFINED IN OTHER CODES.** WHERE TERMS ARE NOT DEFINED IN THIS  
6 CODE AND ARE DEFINED IN THE INTERNATIONAL BUILDING CODE, INTERNATIONAL  
7 RESIDENTIAL CODE, BALTIMORE COUNTY FIRE PREVENTION CODE INCLUDING NFPA 101  
8 LIFE SAFETY CODE AND NFPA 1 FIRE CODE, INTERNATIONAL MECHANICAL CODE, THE  
9 BALTIMORE COUNTY PLUMBING AND GASFITTING CODE, BALTIMORE COUNTY  
10 LIVABILITY CODE, INTERNATIONAL EXISTING BUILDING CODE, NATIONAL ELECTRIC  
11 CODE, OR INTERNATIONAL ENERGY CODE, SUCH TERMS SHALL HAVE THE MEANINGS  
12 ASCRIBED TO THEM AS IN THOSE CODES.

13 **SECTION 202 DEFINITIONS**

14 **Add – FLOATING PIER:** PIER DESIGNED WITH INHERENT FLOTATION CAPABILITY THAT  
15 ALLOWS THE STRUCTURE TO FLOAT ON THE WATER SURFACE AND RISE AND FALL  
16 WITH WATER LEVEL CHANGES.

17 **Add – FIXED PIER:** PIER CONSTRUCTED ON A PERMANENT, FIXED FOUNDATION,  
18 SUCH AS ON PILES, THAT PERMANENTLY ESTABLISHES THE ELEVATION OF THE  
19 STRUCTURE DECK WITH RESPECT TO LAND.

20 **Add – FOSTER CARE FACILITIES:** FACILITIES THAT PROVIDE CARE TO MORE THEN  
21 FIVE CHILDREN, LESS THAN 24 MONTHS OF AGE.

22 **Add – HIGH-RISE BUILDING.** SEE SECTION 403.1

23 **Add – PIER:** A STRUCTURE EXTENDING OVER THE WATER AND SUPPORTED ON A FIXED  
24 FOUNDATION (FIXED PIER), OR ON FLOTATION (FLOATING PIER), THAT PROVIDES  
25 ACCESS TO THE WATER.

26 **SECTION 305.0 EDUCATIONAL GROUP E**

27 **305.2 GROUP E, DAY CARE FACILITIES:** THIS GROUP INCLUDES BUILDINGS AND  
28 STRUCTURES OR PORTIONS THEREOF OCCUPIED BY MORE THAN FIVE CHILDREN 24  
29 MONTHS OF AGE OR OLDER WHO RECEIVE EDUCATIONAL, SUPERVISION OR PERSONAL  
30 CARE SERVICES FOR FEWER THAN 24 HOURS PER DAY.

31 **SECTION 308.0 INSTITUTIONAL GROUP I**

32 **SECTION 308.6.1 CLASSIFICATION AS GROUP E.** A CHILD DAY CARE FACILITY THAT  
33 PROVIDES CARE FOR MORE THAN FIVE BUT NO MORE THAN 100 CHILDREN LESS THAN  
34 24 MONTHS OF AGE,

1 WHERE THE ROOMS IN WHICH THE CHILDREN ARE CARED FOR ARE LOCATED ON  
2 A LEVEL OF EXIT DISCHARGE SERVING SUCH ROOMS, AND EACH OF THESE CHILD CARE  
3 ROOMS HAS AN EXIT DOOR NO MORE THAN 21 INCHES ABOVE OR  
4 BELOW OUTSIDE GRADE DIRECTLY TO THE EXTERIOR, SHALL BE CLASSIFIED AS  
5 USE GROUP E.

6 **SECTION 310 RESIDENTIAL GROUP R**

7 **310.5.2 DAY-CARE HOME:** CHILD CARE FACILITIES WHEN LOCATED IN RESIDENTIAL  
8 OCCUPANCIES, THAT PROVIDE ACCOMMODATIONS FOR SIX CLIENTS AND NO MORE  
9 THAN 12 CLIENTS, WITH NOT MORE THAN FIVE CHILDREN UNDER THE AGE OF 24  
10 MONTHS, FOR LESS THAN 24 HOURS SHALL COMPLY WITH THE REQUIREMENTS OF THIS  
11 CODE FOR R-3 USES AS WELL AS NFPA 101 “LIFE SAFETY CODE”, 2012 EDITION, SECTION  
12 16.6.

13 **310.6.1 RESIDENTIAL GROUP R-4:** R-4 RESIDENTIAL OCCUPANCIES SHALL ALSO  
14 COMPLY WITH

15 NFPA 101 “LIFE SAFETY CODE”, 2012 EDITION, SECTIONS 32-1 AND 32-2.

16 **CHAPTER 4 SPECIAL DETAILED REQUIREMENTS BASED ON USE AND OCCUPANCY**

17 **SECTION 402.0 COVERED MALLS AND OPEN MALL BUILDINGS**

18 **402.4.2 FIRE-RESISTANCE-RATED SEPARATION:** FIRE-RESISTANCE-RATED SEPARATION  
19 IS NOT REQUIRED BETWEEN TENANT SPACES AND THE MALL FIRE-RESISTANCE-RATED  
20 SEPARATION IS NOT REQUIRED BETWEEN A FOOD COURT AND ADJACENT TENANT  
21 SPACES OR THE MALL. EXCEPT AS REQUIRED BY SECTION 402.4.2.1.1.

22 **402.4.2.1 TENANT SEPARATIONS:** EACH TENANT SPACE SHALL BE SEPARATED FROM  
23 OTHER TENANT SPACES BY A FIRE PARTITION HAVING A ONE HOUR FIRE RESISTIVE  
24 PARTITION THAT EXTENDS FROM THE FLOOR TO THE UNDERSIDE OF THE ROOF DECK,  
25 FLOOR DECK ABOVE, OR CEILING WHERE THE CEILING IS CONSTRUCTED TO LIMIT THE  
26 TRANSFER OF SMOKE, AND SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION  
27 708. A TENANT SEPARATION WALL IS NOT REQUIRED BETWEEN ANY TENANT SPACE  
28 AND THE MALL EXCEPT AS REQUIRED BY SECTION 402.4.2.1.1.

29 **402.4.2.1.1 FIRE-RESISTANCE RATED STORE FRONT SEPARATION COVERED MALLS.** A  
30 TENANT SEPARATION WALL IS NOT REQUIRED BETWEEN ANY TENANT SPACE AND THE  
31 MALL EXCEPT FOR A ONE-HOUR RATED BULKHEAD WALL LOCATED ABOVE THE  
32 CEILING OF A TENANT SPACE, SEPARATING IT FROM THE COVERED MALL. SUCH  
33 BULKHEAD WALL MAY BE SUPPORTED BY A NON-FIRE RESISTIVE ASSEMBLY WHEN  
34 CONSTRUCTED OF NONCOMBUSTIBLE MATERIAL.

1 **402.4.2.2.1 OPENINGS BETWEEN ANCHOR BUILDING AND COVERED MALL:** EXCEPT  
2 FOR THE SEPARATION BETWEEN GROUP R-1 SLEEPING UNITS AND THE MALL, OPENINGS  
3 BETWEEN ANCHOR BUILDINGS OF TYPE 1A, 1B, 11A AND 11B CONSTRUCTION AND THE  
4 MALL NEED NOT BE PROTECTED, EXCEPT AS REQUIRED BY SECTION 402.4.2.2.2.

5 **402.4.3 OPEN MALL CONSTRUCTION.** FLOOR ASSEMBLIES IN, AND ROOF ASSEMBLIES  
6 OVER, THE OPEN MALL OF AN OPEN MALL BUILDING SHALL BE OPEN TO THE  
7 ATMOSPHERE FOR NOT LESS THAN 30 FEET, MEASURED PERPENDICULAR FROM THE  
8 FACE OF THE TENANT SPACES ON THE LOWEST LEVEL, FROM EDGE OF BALCONY TO  
9 EDGE OF BALCONY ON UPPER FLOORS AND FROM EDGE OF ROOF LINE TO EDGE OF  
10 ROOF LINE. THE OPENINGS WITHIN, OR THE UNROOFED AREA OF, AN OPEN MALL  
11 SHALL EXTEND FROM THE LOWEST/GRADE LEVEL OF THE OPEN MALL THROUGH THE  
12 ENTIRE ROOF ASSEMBLY. BALCONIES ON UPPER LEVELS OF THE MALL SHALL NOT  
13 PROJECT INTO THE REQUIRED WIDTH OF THE OPENING.

14 **402.4.3.1 PEDESTRIAN WALKWAYS.** PEDESTRIAN WALKWAYS CONNECTING BALCONIES  
15 IN AN OPEN MALL SHALL BE LOCATED NOT LESS THAN 30 FEET FROM ANY OTHER  
16 PEDESTRIAN WALKWAY.

17 **402.5 AUTOMATIC SPRINKLER SYSTEM: ADD ADDITIONAL REQUIREMENTS 6 AND 7**  
18 **AS FOLLOWS:**

19 6. UNPROTECTED OPENINGS IN FIRE-RESISTIVE RATED WALL ASSEMBLIES  
20 SEPARATING COVERED MALL FROM AN ANCHOR STORE SHALL BE PROTECTED BY  
21 CLOSED HEAD SPRINKLER PROTECTION SPACED SIX (6) FOOT ON CENTER AT EACH  
22 OPENING, AND SHALL BE SUPPLIED BY THE COVERED MALL SPRINKLER SYSTEM AS  
23 REQUIRED BY THE BUILDING OFFICIAL.

24 7. AUTOMATIC SPRINKLER PROTECTION WATER FLOW ALARMS SHALL BE ZONED  
25 AS REQUIRED BY THE BALTIMORE COUNTY FIRE PREVENTION CODE.

26  
27 **402.6.2 KIOSKS. ADD ADDITIONAL REQUIREMENT 5 AS FOLLOWS:**

28  
29 5. NO SPACE SHALL BE USED FOR A KIOSK OR OTHER USE WITHIN 10 FEET OF ANY  
30 COVERED MALL STORE FRONT, OR WITHIN 50 FEET OF AN OPENING FROM AND ANCHOR  
31 STORE INTO A COVERED MALL.

32 **402.6.5 TEMPORARY USE AREAS.** TEMPORARY USE AREAS, EXCLUDING PLACES OF  
33 ASSEMBLY, SHALL COMPLY WITH REQUIREMENTS OF SECTION 402.6.2.

1 **402.6.6 HAZARDOUS MATERIALS.** NO COMBUSTIBLE OR FLAMMABLE LIQUIDS OR  
2 GASES, OR BOTH, SHALL BE PERMITTED IN THE COVERED MALL.

3 **402.6.7 MOTOR VEHICLES AND RECREATIONAL VEHICLES.** NO MOTOR VEHICLES  
4 USED FOR TRANSPORTATION OR RECREATIONAL VEHICLES, SUCH AS AN AIRPLANE,  
5 BOAT, TRAILER, CAMPER, ETC, SHALL BE DISPLAYED OR STORED IN THE COVERED  
6 MALL AREA UNLESS BY PERMISSION OF THE BALTIMORE COUNTY FIRE DEPARTMENT.

7 **402.6.8 ASSEMBLY USES WITHIN COVERED MALL.** ASSEMBLY USES WITHIN THE  
8 COVERED MALL SHALL COMPLY WITH THE FOLLOWING:

9 1. NO AREAS WITHIN A COVERED MALL SHALL BE USED FOR ASSEMBLY TYPE  
10 ACTIVITIES UNLESS THE EXITS FOR THAT AREA OF THE COVERED MALL HAVE BEEN  
11 CALCULATED TO SATISFY THE BUILDING AND FIRE CODE FOR THE PROPOSED USE BY A  
12 LICENSED PROFESSIONAL ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF  
13 MARYLAND, AND PROVISIONS ARE MADE TO CONTROL THE OCCUPANT LOAD SO THAT  
14 THE DESIGN LOAD IS NOT EXCEEDED.

15 THE BUILDING AND/OR FIRE OFFICIAL MAY REQUIRE ANY ADDITIONAL SAFEGUARDS  
16 AS NECESSARY TO INSURE THE PUBLIC HEALTH, SAFETY, OR WELFARE.

17 **402.7.1.1 STANDPIPE SYSTEM ANCHOR STORES.** ANCHOR STORES SHALL BE PROVIDED  
18 WITH A STANDPIPE SYSTEM IN ACCORDANCE WITH SECTION 905.3.3.

19 **402.8.1.1 MINIMUM WIDTH.** THE MINIMUM WIDTH OF EITHER A COVERED MALL OR  
20 OPEN MALL SHALL BE 30 FEET. THE AGGREGATE CLEAR EGRESS WIDTH OF THE MALL  
21 IN EITHER A COVERED OR OPEN MALL BUILDING SHALL BE NOT LESS THAN 20 FEET  
22 (6096 MM). THE MALL WIDTH SHALL BE SUFFICIENT TO ACCOMMODATE THE  
23 OCCUPANT LOAD SERVED. NO PORTION OF THE MINIMUM REQUIRED AGGREGATE  
24 EGRESS WIDTH SHALL BE LESS THAN 10 FEET (3048 MM) BETWEEN ANY PROJECTION OF  
25 A TENANT SPACE BORDERING THE MALL AND THE NEAREST KIOSK, VENDING  
26 MACHINE, BENCH, DISPLAY OPENING, FOOD COURT OR OTHER OBSTRUCTION TO  
27 MEANS OF EGRESS TRAVEL.

28 **SECTION 403.0 HIGH-RISE BUILDINGS.**

29 **403.1 APPLICABILITY:.** THE PROVISIONS OF THIS SECTION SHALL APPLY TO ALL  
30 BUILDINGS USED FOR HUMAN OCCUPANCY WHEN THE BUILDINGS ARE 75'-0" (22860 MM)  
31 OR MORE IN HEIGHT, AS MEASURED FROM THE LOWEST ELEVATION OF A PUBLIC OR  
32 PRIVATE PUBLIC WAY OVER 21 FEET' WIDE USED AS A REFERENCE DATUM AT A POINT  
33 6'-0" FROM THE BUILDING UPWARD TO THE EAVE OF A PITCHED ROOF OR THE TOP OF A  
34 PARAPET OR THE POINT OF FIRE DEPARTMENT ACCESS ON A NON-PITCH ROOF. THIS

1 PUBLIC WAY SHALL NOT BE FURTHER FROM THE BUILDING THAN WILL ALLOW A 100  
2 FOOT AERIAL LADDER TO REACH A HEIGHT OF 75 FEET (22860 MM) AT THE BUILDING  
3 AND SHALL BE AVAILABLE ON AT LEAST TWO SIDES.

4 **EXCEPTION:** THE PROVISIONS OF SECTIONS 403.2 THROUGH 403.6 SHALL NOT APPLY TO  
5 THE FOLLOWING BUILDINGS AND STRUCTURES:

- 6 1. AIRPORT TRAFFIC CONTROL TOWERS IN ACCORDANCE WITH SECTION 412.3
- 7 2. OPEN PARKING GARAGES IN ACCORDANCE WITH SECTION 406.3.
- 8 3. BUILDINGS WITH AN OCCUPANCY IN GROUP A-5 IN ACCORDANCE WITH SECTION  
9 303.1.
- 10 4. SPECIAL INDUSTRIAL OCCUPANCIES IN ACCORDANCE WITH SECTION 503.1.1.
- 11 5. BUILDINGS WITH AN OCCUPANCY IN GROUP H-1, H-2 OR H-3 IN ACCORDANCE  
12 WITH SECTION 415.

13 **403.2.1.2 SHAFT ENCLOSURES.** FOR BUILDINGS NOT GREATER THAN 420 FEET IN  
14 HEIGHT, THE REQUIRED FIRE RESISTANCE RATING OF THE FIRE SEPARATION  
15 ASSEMBLIES ENCLOSING VERTICAL SHAFTS, OTHER THAN STAIRWAY ENCLOSURES  
16 AND ELEVATOR HOISTWAY ENCLOSURES, MAY BE REDUCED TO 1 HOUR WHEN  
17 AUTOMATIC SPRINKLERS ARE INSTALLED WITHIN THE SHAFTS AT THE TOP AND AT  
18 ALTERNATE FLOOR LEVELS, AND ZONED SEPARATELY ON THE ANNUNCIATOR PANEL  
19 OF THE CENTRAL CONTROL STATION. SPRINKLERS SHALL BE CONTROLLED BY A  
20 SEPARATE INDICATING VALVE INSTALLED IN AN APPROVED LOCATION.

21 **403.3.2 WATER SUPPLY TO REQUIRED FIRE PUMPS.**

22 **ADD SECOND EXCEPTION:** EXISTING HIGH-RISE BUILDINGS IF APPROVED BY THE  
23 BALTIMORE COUNTY FIRE DEPARTMENT.

24 **403.4.5 EMERGENCY RESPONDER RADIO COVERAGE.** EMERGENCY RESPONDER RADIO  
25 COVERAGE SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 915.

26 **403.4.9.2 EMERGENCY ELECTRIC POWER FEED.** PRIMARY AND EMERGENCY ELECTRIC  
27 POWER FEED LINES FOR STANDBY AND EMERGENCY POWER SYSTEMS REQUIRED BY  
28 SECTIONS 403.4.8 AND 403.4.9 SHALL NOT BE INSTALLED IN THE SAME UTILITY SHAFT,  
29 AND SHALL BE SEPARATED BY SUFFICIENT DISTANCE OR PROTECTION SO AS TO  
30 INSURE ANY SINGLE OCCURRENCE WOULD NOT RENDER BOTH PRIMARY AND  
31 EMERGENCY/STANDBY POWER FEEDS INOPERATIVE.

32 **403.6.1 FIRE SERVICE ACCESS ELEVATOR.** IN BUILDINGS WITH AN OCCUPIED FLOOR  
33 MORE THAN 100 FEET ABOVE THE LOWEST LEVEL OF FIRE DEPARTMENT VEHICLE  
34 ACCESS, A MINIMUM OF ONE FIRE SERVICE ACCESS ELEVATOR SHALL BE PROVIDED IN

1 ACCORDANCE WITH SECTION 3007, AND IN BUILDINGS WITH AN OCCUPIED FLOOR  
2 MORE THAN 120 FEET (36 576 MM) ABOVE THE LOWEST LEVEL OF FIRE DEPARTMENT  
3 VEHICLE ACCESS, NO FEWER THAN TWO FIRE SERVICE ACCESS ELEVATORS, OR ALL  
4 ELEVATORS, WHICHEVER IS LESS, SHALL BE PROVIDED IN ACCORDANCE WITH SECTION  
5 3007. EACH FIRE SERVICE ACCESS ELEVATOR SHALL HAVE A CAPACITY OF NOT LESS  
6 THAN 3500 POUNDS (1588 KG).

7 **403.4.7.1 WINDOW IDENTIFICATION AND GLAZING.** WINDOWS/PANELS SHALL BE  
8 CLEARLY AND PERMANENTLY MARKED. IDENTIFICATION SHALL BE BY AN ETCHED  
9 GLASS MALTESE CROSS OF MINIMUM 4 INCH BY 4 INCH IN ACCORDANCE WITH THE  
10 BALTIMORE COUNTY FIRE DEPARTMENT'S REQUIREMENTS. NON-OPERABLE WINDOWS  
11 SHALL BE OF TEMPERED GLASS.

12 **SECTION 407.0 GROUP I-2.**

13 **SECTION 407.11 EMERGENCY RESPONDER RADIO COVERAGE.**

14 EMERGENCY RESPONDER RADIO COVERAGE SHALL BE PROVIDED IN ACCORDANCE  
15 WITH SECTION 915 IN NEWLY CONSTRUCTED HOSPITAL BUILDINGS AND ADDITIONS TO  
16 EXISTING HOSPITALS.

17 **SECTION 415. GROUPS H-1, H-2, H-3, H-4 AND H-5**

18 **SECTION 415.1.2. FIRE FIGHTER SAFETY BUILDING MARKING SYSTEM. REQUIRED.**

19 BUILDINGS AND STRUCTURES CLASSIFIED AS USE GROUP H SHALL HAVE FIRE FIGHTER  
20 SAFETY BUILDING MARKING SYSTEM SIGNAGE IN COMPLIANCE WITH ANNEX F “FIRE  
21 FIGHTER SAFETY BUILDING MARKING SYSTEM” OF NFPA 1 FIRE CODE, 2012 EDITION.

22 **CHAPTER 5 GENERAL BUILDING HEIGHTS AND AREAS.**

23 **SECTION 506 AREA MODIFICATIONS.**

24 **506.2.2 OPEN SPACE LIMITS.** SUCH OPEN SPACE SHALL BE EITHER ON THE SAME LOT  
25 OR DEDICATED FOR PUBLIC USE AND SHALL BE ACCESSED FROM A STREET OR  
26 APPROVED FIRE LANE IN ACCORDANCE WITH NFPA 1, “FIRE CODE” 2012 EDITION,  
27 SECTION 18.2 AND SHALL BE LOCATED WITHIN 30 FEET OF THE BUILDING FOR ENTIRE  
28 LENGTH OF THE BUILDING RECEIVING FRONTAGE INCREASE PER SECTION 506.2.  
29 SECTION 18.2.3.2.2.1 OF NFPA 1 SHALL NOT APPLY.

30 **SECTION 507 UNLIMITED AREA BUILDINGS.**

31 **507.1.1 FIRE LANES REQUIRED.** OPEN SPACE REQUIRED FOR UNLIMITED AREA  
32 BUILDINGS SHALL BE PROVIDED WITH A STREET OR AN APPROVED FIRE LANE IN  
33 ACCORDANCE WITH NFPA 1 “FIRE CODE” 2012 EDITION, SECTION 18.2 AND SHALL BE

1 LOCATED WITHIN 30 FT OF THE ENTIRE LENGTH OF THE BUILDING. SECTION 18.2.3.2.2.1  
2 OF NFPA 1 SHALL NOT APPLY.

3 **508.3.3.4 SEPARATION FULLY SPRINKLERED FIRE, RESCUE AND AMBULANCE**  
4 **STATIONS.** A FIRE-RESISTIVE SEPARATION ASSEMBLY SHALL NOT BE REQUIRED FOR  
5 FULLY SPRINKLERED FIRE, RESCUE, AND AMBULANCE STATIONS OF A POLITICAL SUB-  
6 DIVISION, INCLUDING VOLUNTEER STATIONS, MEETING THE FOLLOWING:

7 1. A NON-FIRE RESISTIVE SEPARATION IS PROVIDED THAT CONFORMS TO SECTION  
8 707.5 FOR CONTINUITY, WITH PENETRATIONS AND OPENINGS PROTECTED TO LIMIT THE  
9 TRANSFER OF SMOKE.

10 2. A FIRE-RESISTIVE ASSEMBLY CONFORMING TO TABLE 707.3.10 IS PROVIDED TO  
11 SEPARATE USE GROUPS A, OTHER THEN TRAINING ROOMS WITH LESS THAN 100  
12 OCCUPANTS, FROM ALL OTHER USE GROUPS.

13 3. PROVISIONS OF SECTIONS 420.2 AND 420.3 SHALL NOT APPLY.

14 **CHAPTER 7 FIRE RESISTANCE-RATED CONSTRUCTION.**

15 **SECTION 703.0 FIRE-RESISTANCE RATINGS AND FIRE TESTS.**

16 **703.7.1 LABELING OF FIRE WALLS.** ALL FIRE WALLS SHALL BE PLACARDED OR  
17 STENCILED ON BOTH SIDES WITH THE PHRASE "FIRE WALL". THE LETTERS SHALL BE  
18 RED IN COLOR, 6 INCHES HIGH AND A MINIMUM OF  $\frac{3}{4}$  INCH WIDE. THE PHRASE SHALL  
19 BE WRITTEN ONCE FOR EACH 15 FEET OF HORIZONTAL WALL LENGTH. SIGNAGE MAY  
20 BE LOCATED IN THE CONCEALED SPACE ABOVE A CEILING.

21 **SECTION 704.0 FIRE-RESISTANCE RATING OF STRUCTURAL MEMBERS.**

22 **704.3 PROTECTION OF THE PRIMARY STRUCTURAL FRAME OTHER THAN COLUMNS.**  
23 MEMBERS OF THE PRIMARY STRUCTURAL FRAME OTHER THAN COLUMNS THAT ARE  
24 REQUIRED TO HAVE A FIRE-RESISTANCE RATING AND SUPPORT TWO FLOORS OR MORE  
25 OR ONE FLOOR AND ROOF, OR SUPPORT A LOAD-BEARING WALL OR A NONLOAD-  
26 BEARING WALL TWO STORIES OR MORE HIGH, SHALL BE PROVIDED INDIVIDUAL  
27 ENCASMENT PROTECTION BY PROTECTING THEM ON ALL SIDES FOR THEIR FULL  
28 LENGTH, INCLUDING CONNECTIONS TO OTHER STRUCTURAL MEMBERS, WITH  
29 MATERIALS HAVING THE REQUIRED FIRE-RESISTANCE RATING.

30 **EXCEPTION:** INDIVIDUAL ENCASMENT PROTECTION ON ALL SIDES SHALL BE  
31 PERMITTED ON ALL EXPOSED SIDES PROVIDED THE EXTENT OF PROTECTION IS IN  
32 ACCORDANCE WITH THE REQUIRED FIRE-RESISTANCE RATING, AS DETERMINED IN  
33 SECTION 703.

34 **706.6 VERTICAL CONTINUITY.**

1 **ADD EXCEPTION 4-4.4:** ANY GAP BETWEEN THE TOP OF THE WALL OR NAILING STRIP  
2 AND THE UNDERSIDE OF THE DECK SHALL BE FILLED WITH APPROVED FIREPROOF  
3 FLEXIBLE INSULATION INSTALLED IN ACCORDANCE WITH ITS LISTING.

4 **718.3.1 DRAFTSTOPPING MATERIALS.** DRAFTSTOPPING MATERIAL SHALL NOT BE LESS  
5 THEN 0.5 INCH TYPE X GYPSUM BOARD, OR 2 LAYERS OF 0.5 INCH GYPSUM WALL  
6 BOARD WITH STAGGERED JOINTS, OR OTHER APPROVED MATERIAL HAVING A ASTM E-  
7 119 FIRE RESISTIVE RATING OF 25 MINUTES OR MORE INSTALLED PER ITS LISTING.

8 **CHAPTER 9 FIRE PROTECTION SYSTEMS.**

9 **SECTION 901.0 GENERAL.**

10 **901.2.1 NONREQUIRED SYSTEMS.** ANY FIRE PROTECTION SYSTEMS NOT REQUIRED BY  
11 THIS CODE SHALL COMPLY WITH THE REQUIREMENTS OF THE APPROPRIATE ADOPTED  
12 CODES AND STANDARDS.

13 **901.9 SIGNAGE LETTER SIZES.** WHERE FIRE PROTECTION EQUIPMENT OR CONTROLS  
14 ARE LOCATED IN A SEPARATE ROOM OR BUILDING, A SIGN SHALL BE PROVIDED ON THE  
15 ENTRANCE DOOR. SPRINKLER AND STANDPIPE SYSTEMS INCLUDING FIRE PUMPS. THE  
16 MINIMUM HEIGHT OF LETTERS AND NUMBERS SHALL BE 2 INCHES UNLESS OTHERWISE  
17 NOTED.

18 **SECTION 901.10 YARD HYDRANTS.**

19 **901.10.1 SIZE.** THE MINIMUM SIZE OF ON-SITE MAINS SUPPLYING FIRE HYDRANTS  
20 SHALL BE 8 INCHES IN DIAMETER.

21 **901.10.2 LEADS.** HYDRANT LEADS FROM MAINS SHALL BE NOT LESS THAN 6 INCHES IN  
22 DIAMETER, NOR MORE THAN 20 FEET IN LENGTH. EXCEPTIONS TO THESE CRITERIA  
23 MAY BE GRANTED AT THE DISCRETION OF THE BUILDING OFFICIAL OR THE FIRE  
24 DEPARTMENT.

25 **SECTION 903.0 AUTOMATIC SPRINKLER SYSTEMS.**

26 **903.1.2 INSTALLATION STANDARD EDITION.** EDITION YEAR OF AUTOMATIC  
27 SPRINKLER SYSTEMS SHALL BE THE EDITION YEAR REQUIRED BY THE BALTIMORE  
28 COUNTY FIRE PREVENTION CODE.

29 **903.1.3 CONSTRUCTION DOCUMENTS AND DESIGN.** DESIGN OF PLANS AND  
30 PREPARATION OF CALCULATIONS FOR AUTOMATIC SPRINKLER AND SPRAY FIRE  
31 SUPPRESSION SYSTEMS, FIRE STANDPIPE SYSTEMS AND FIRE PUMPS SHALL BE  
32 PREPARED UNDER THE SUPERVISION OF A REGISTERED PROFESSIONAL ENGINEER,  
33 COMPETENT IN THE FIELD OF FIRE PROTECTION ENGINEERING AND AUTOMATIC  
34 SPRINKLER SYSTEM DESIGN OR A CERTIFIED ENGINEERING TECHNICIAN POSSESSING A

1 LEVEL III OR HIGHER CERTIFICATION IN AUTOMATIC SPRINKLER SYSTEM LAYOUT  
2 FROM THE NATIONAL INSTITUTE OF CERTIFICATION IN ENGINEERING TECHNOLOGIES  
3 (NICET). PLANS SHALL BE SIGNED GIVING NICET LEVEL AND CERTIFICATION NUMBER,  
4 OR BY SEAL OF A PROFESSIONAL ENGINEER COMPETENT IN THE FIELD OF FIRE  
5 PROTECTION ENGINEERING WHO IS REGISTERED IN THE STATE OF MARYLAND.

6 **903.1.4 CALCULATIONS.** THE VELOCITY PRESSURE METHOD OF HYDRAULIC  
7 CALCULATION SHALL NOT BE UTILIZED IN CALCULATING SPRINKLER OR STANDPIPE  
8 SYSTEM DEMANDS.

9 **903.1.5 STRUCTURAL CERTIFICATE REQUIRED.** AN OFFICIAL BALTIMORE COUNTY  
10 STRUCTURAL CERTIFICATE SHALL BE COMPLETED AND SEALED BY A STATE OF  
11 MARYLAND STRUCTURAL ENGINEER INDICATING A STRUCTURE'S ABILITY TO  
12 WITHSTAND THE ADDED LOAD OF WATER FILLED SPRINKLER PIPING. SUCH A  
13 CERTIFICATE SHALL BE PROVIDED FOR ALL SPRINKLER SYSTEMS WHERE 2 ½ INCH OR  
14 LARGER PIPE IS BEING INSTALLED.

15 **903.1.6 EXPEDITED AUTOMATIC SPRINKLER SYSTEM PERMIT.** THE CODE OFFICIAL  
16 SHALL HAVE THE AUTHORITY TO ESTABLISH AND AMEND PROCEDURES AND  
17 REQUIREMENTS FOR EXPEDITED AUTOMATIC SPRINKLER PERMITS. THE CODE OFFICIAL  
18 SHALL HAVE THE AUTHORITY TO DENY ANY REQUEST FOR AN EXPEDITED SPRINKLER  
19 PERMIT.

20 **903.2.8.3 ADDITIONS, RENOVATIONS AND FIRE DAMAGE REPAIR TO EXISTING**  
21 **RESIDENTIAL BUILDINGS.**

22 1. IF AN ADDITION, RENOVATION OR FIRE DAMAGE REPAIR IS MADE TO AN  
23 EXISTING RESIDENTIAL BUILDING AND EXCEEDS 50 PERCENT OF THE GROSS FLOOR  
24 AREA, THEN THE ENTIRE BUILDING SHALL BE PROVIDED THROUGHOUT WITH  
25 APPROVED AUTOMATIC SPRINKLER PROTECTION.

26 2. EXISTING RESIDENTIAL BUILDINGS FOUR OR MORE STORIES IN HEIGHT  
27 EXPERIENCING FIRE DAMAGE REPAIR EXCEEDING 50 PERCENT OF THE GROSS FLOOR  
28 AREA OF A FLOOR, THEN THAT FLOOR EXPERIENCING DAMAGE SHALL BE PROVIDED  
29 WITH APPROVED AUTOMATIC SPRINKLER PROTECTION THROUGHOUT. THE PROVISIONS  
30 OF SUB SECTION 1. OF THIS SECTION SHALL ALSO APPLY AS MAY BE APPLICABLE. FOR  
31 THE PURPOSE OF THIS SECTION, FIRE DAMAGE SHALL INCLUDE FIRE, SMOKE, WATER  
32 DAMAGE, AND DAMAGE CAUSED BY FIRE FIGHTING EFFORTS.

33 **903.2.9.3 MINI-STORAGE BUILDING.** AN AUTOMATIC SPRINKLER SYSTEM SHALL BE  
34 INSTALLED THROUGHOUT ALL MINI-STORAGE BUILDINGS GREATER THAN 2500 SQ FT.

1 **903.2.11.3 BUILDINGS THREE OR MORE STORIES IN HEIGHT.** AN AUTOMATIC  
2 SPRINKLER SYSTEM SHALL BE INSTALLED THROUGHOUT BUILDINGS THREE OR MORE  
3 STORIES IN HEIGHT ABOVE THE GRADE PLANE.

4 **EXCEPTIONS:**

- 5 1. AIRPORT CONTROL TOWERS.
- 6 2. OPEN PARKING STRUCTURES.
- 7 3. OCCUPANCIES IN GROUP F-2.

8 **903.2.13 NEW STORAGE OCCUPANCIES GROUP A PLASTICS.** AN AUTOMATIC  
9 SPRINKLER SYSTEM SHALL BE INSTALLED THROUGHOUT ALL OCCUPANCIES  
10 CONTAINING STORAGE COMMODITIES CLASSIFIED AS GROUP A PLASTICS IN EXCESS OF  
11 5 FT (1.5 M) IN HEIGHT OVER AN AREA EXCEEDING 2500 SQ FT IN AREA.

12 **903.2.14 HIGH-PILED STORAGE.** AN AUTOMATIC SPRINKLER SYSTEM SHALL BE  
13 INSTALLED THROUGHOUT ALL OCCUPANCIES CONTAINING AREAS GREATER THAN 2500  
14 SQ FT FOR THE HIGH-PILED STORAGE OF COMBUSTIBLES.

15 **903.2.15 WOODWORKING OPERATIONS.** AN APPROVED AUTOMATIC FIRE SPRINKLER  
16 SYSTEM SHALL BE INSTALLED IN BUILDINGS CONTAINING WOODWORKING  
17 OPERATIONS EXCEEDING 2500 SQ FT THAT USE EQUIPMENT, MACHINERY, OR  
18 APPLIANCES, THAT GENERATE FINELY DIVIDED COMBUSTIBLE WASTE, OR THAT USE  
19 FINELY DIVIDED COMBUSTIBLE MATERIALS.

20 **903.3.1.1.2 MINIMUM BASE OF RISER DEMAND.** MINIMAL WATER SUPPLY  
21 REQUIREMENTS SHALL BE AS FOLLOWS:

22	LIGHT HAZARD	150 gpm
23	ORDINARY GROUP 1 HAZARD	600 gpm
24	ORDINARY GROUP 2 HAZARD	750 gpm
25	OR A HIGHER HAZARD	750 gpm

26 **903.3.1.1.3 SAFETY MARGIN.** A MINIMUM 5 PSI SAFETY MARGIN SHALL BE PROVIDED IN  
27 THE HYDRAULIC CALCULATIONS FOR ALL WATER BASED FIRE PROTECTION SYSTEMS  
28 WHEN THE SYSTEMS ARE FED FROM A MUNICIPAL WATER SUPPLY.

29 **903.3.2 QUICK-RESPONSE AND RESIDENTIAL SPRINKLERS.** WHERE AUTOMATIC  
30 SPRINKLER SYSTEMS ARE REQUIRED BY THIS CODE OR THE BALTIMORE COUNTY FIRE  
31 PREVENTION CODE, QUICK RESPONSE OR RESIDENTIAL AUTOMATIC SPRINKLER SHALL  
32 BE INSTALLED IN THE FOLLOWING AREAS IN ACCORDANCE WITH SECTIONS 903.1.2 AND  
33 903.3.1 AND THEIR LISTINGS:

- 34 1. IN ALL HIGH-RISE, INSTITUTIONAL AND ASSEMBLY OCCUPANCIES.

- 1           2. ALL RESIDENTIAL OCCUPANCIES.
- 2           3. LIGHT-HAZARD OCCUPANCIES AS DEFINED IN NFPA 13.
- 3           4. IN ANCILLARY AREAS IN THE ABOVE OCCUPANCIES, UNLESS OTHERWISE

4 ALLOWED BY THE CODE OFFICIAL.

5 **903.3.2.1 WET PIPE SPRINKLER SYSTEM REQUIRED.** SPRINKLER REQUIRED IN SECTION  
6 903.3.2 SHALL BE USED WITH A WET PIPE AUTOMATIC SPRINKLER SYSTEM UNLESS  
7 APPROVED BY THE CODE OFFICIAL.

8 **903.4 SPRINKLER SYSTEM MONITORING AND ALARMS**

9 **EXCEPTION 8: SPRINKLER ALARMS:** ALARMS AND ALARM ATTACHMENTS SHALL NOT  
10 BE REQUIRED, EXCEPT WHERE A BUILDING IS PROVIDED WITH A FIRE ALARM SYSTEM,  
11 IN WHICH CASE INTERCONNECTION TO PROVIDE A WATERFLOW ALARM SHALL BE  
12 MADE.

13 **903.4.1.2 AUTOMATIC SPRINKLER, STANDPIPE AND FIRE PUMP SYSTEMS.**

14 AUTOMATIC SPRINKLERS, STANDPIPES AND FIRE PUMPS IN NEW BUILDINGS AND  
15 EXISTING BUILDINGS SHALL BE MAINTAINED BY LOCKING VALVES IN THE OPEN  
16 POSITION, AS REQUIRED BY THE BALTIMORE COUNTY FIRE DEPARTMENT, AND ONE OF  
17 THE FOLLOWING METHODS:

18           1. APPROVED CENTRAL STATION SYSTEM IN ACCORDANCE WITH NFPA 72 LISTED  
19 IN CHAPTER 35.

20           2. APPROVED PROPRIETARY SYSTEM IN ACCORDANCE WITH NFPA 72 LISTED IN  
21 CHAPTER 35.

22           3. APPROVED REMOTE STATION SYSTEM OF THE JURISDICTION IN ACCORDANCE  
23 WITH NFPA 72 LISTED IN CHAPTER 35.

24           4. APPROVED LOCAL ALARM SERVICE THAT WILL CAUSE THE SOUNDING OF AN  
25 AUDIBLE SIGNAL AT A CONSTANTLY ATTENDED LOCATION IN ACCORDANCE WITH  
26 NFPA 72.

27 **EXCEPTION:** AS PERMITTED BY EXCEPTIONS IN SECTIONS 903.4 AND 903.4.1.

28 **903.6 INDEPENDENT SPRINKLER CONTROL VALVE(S) REQUIRED.** WHENEVER  
29 AUTOMATIC SPRINKLER PROTECTION IS UTILIZED TO PROVIDE A FIRE-RESISTIVE  
30 RATING, SUCH SPRINKLERS SHALL BE UNDER THE CONTROL OF AN INDEPENDENT  
31 CONTROL VALVE. SUCH VALVE SHALL BE ARRANGED TO BE INDEPENDENT OF ANY  
32 OTHER SPRINKLER SYSTEM CONTROL VALVES, OTHER THAN THOSE AT THE MAIN  
33 SPRINKLER HEADER OR MAIN STANDPIPE RISER CONTROL VALVE.

1 **903.7 LOCATION OF SPRINKLER CONTROL VALVES IN RESIDENTIAL OCCUPANCIES.**  
2 SPRINKLER CONTROL VALVE(S) SHALL NOT BE LOCATED INSIDE OR ACCESSED  
3 THROUGH A DWELLING UNIT, UNLESS SUCH VALVE CONTROLS ISOLATED SPRINKLERS  
4 SERVING THAT DWELLING UNIT.

5 **903.8 ATRIUM SPRINKLERS.** AUTOMATIC SPRINKLER PROTECTION SERVING THE  
6 ATRIUM SHALL BE UNDER THE CONTROL OF A SEPARATE SECTIONAL CONTROL VALVE  
7 LOCATED AND ARRANGED IN A MANNER APPROVED BY THE FIRE DEPARTMENT OR  
8 CODE OFFICIAL.

9 **SECTION 905.0 STANDPIPE SYSTEMS**

10 **905.2.1 INSTALLATION STANDARD EDITION.** EDITION YEAR OF NFPA 14 SHALL BE THE  
11 EDITION YEAR REQUIRED BY THE BALTIMORE COUNTY FIRE PREVENTION CODE.

12 **905.2.2 DESIGN PRESSURE.** STANDPIPE SYSTEMS SHALL BE DESIGNED TO PROVIDE THE  
13 REQUIRED WATER FLOW RATE AT A MINIMUM RESIDUAL PRESSURE OF 100 PSI AT THE  
14 MOST REMOTE HOSE CONNECTION OUTLET.

15 **EXCEPTION:** IN NON-HIGH-RISE BUILDINGS EQUIPPED WITH COMPLETE AUTOMATIC  
16 SPRINKLER PROTECTION IN ACCORDANCE WITH NFPA 13, OR BUILDINGS EQUIPPED  
17 WITH A NFPA 13R AUTOMATIC SPRINKLER SYSTEM WHERE HEIGHT INCREASE PER  
18 SECTION 504.2 WAS NOT USED, STANDPIPE RISERS SHALL BE DESIGNED TO DELIVER THE  
19 REQUIRED STANDPIPE FLOW (GPM) AT A POSITIVE RESIDUAL PRESSURE AT THE  
20 TOPMOST HOSE OUTLET PROVIDED THAT THE MINIMUM PIPE SIZE FOR STANDPIPES IS 4  
21 INCHES AND IT IS SHOWN THAT THE STANDPIPE DEMAND AT 100 PSI DISCHARGE AT THE  
22 TOPMOST OUTLET CAN BE SUPPLIED BY A 1250 GPM FIRE DEPARTMENT PUMPER AT 150  
23 PSI DISCHARGE AT THE FIRE DEPARTMENT CONNECTION.

24 **905.3.1 HEIGHT.** CLASS I AUTOMATIC-WET STANDPIPE SYSTEMS SHALL BE INSTALLED  
25 THROUGHOUT BUILDINGS WHERE THE FLOOR LEVEL OF THE HIGHEST STORY IS  
26 LOCATED MORE THAN 30 FEET (9144 MM) ABOVE THE LOWEST LEVEL OF FIRE  
27 DEPARTMENT VEHICLE ACCESS, OR WHERE THE FLOOR LEVEL OF THE LOWEST STORY  
28 IS LOCATED MORE THAN 30 FEET (9144 MM) BELOW THE HIGHEST LEVEL OF FIRE  
29 DEPARTMENT VEHICLE ACCESS.

30 **EXCEPTIONS:**

31 1. CLASS I SEMIAUTOMATIC-DRY STANDPIPE SYSTEM MAY BE ALLOWED IN AREAS  
32 SUBJECT TO FREEZING SUBJECT TO APPROVAL OF THE CODE OFFICIAL.

1 2. CLASS I MANUAL STANDPIPES ARE ALLOWED IN OPEN PARKING GARAGES  
2 WHERE THE HIGHEST FLOOR IS LOCATED NOT MORE THAN 150 FEET (45720 MM) ABOVE  
3 THE LOWEST LEVEL OF FIRE DEPARTMENT VEHICLE ACCESS.

4 3. CLASS I MANUAL DRY STANDPIPES ARE ALLOWED IN OPEN PARKING GARAGES  
5 THAT ARE SUBJECT TO FREEZING TEMPERATURES, PROVIDED THAT THE HOSE  
6 CONNECTIONS ARE LOCATED AS REQUIRED FOR CLASS II STANDPIPES IN ACCORDANCE  
7 WITH SECTION 905.5.

8 4. IN DETERMINING THE LOWEST LEVEL OF FIRE DEPARTMENT VEHICLE ACCESS, IT  
9 SHALL NOT BE REQUIRED TO CONSIDER:

10 4.1 RECESSED LOADING DOCKS FOR FOUR VEHICLES OR LESS; AND

11 4.2 CONDITIONS WHERE TOPOGRAPHY MAKES ACCESS FROM THE FIRE  
12 DEPARTMENT VEHICLE TO THE BUILDING IMPRACTICAL OR IMPOSSIBLE.

13 **905.3.2 GROUP A.** CLASS I AUTOMATIC WET STANDPIPES SHALL BE PROVIDED IN  
14 NONSPRINKLERED GROUP A BUILDINGS HAVING AN OCCUPANT LOAD EXCEEDING 1,000  
15 PERSONS.

16 **EXCEPTIONS:**

17 1. OPEN-AIR-SEATING SPACES WITHOUT ENCLOSED SPACES.

18 2. CLASS I AUTOMATIC DRY AND SEMIAUTOMATIC DRY STANDPIPES OR MANUAL  
19 WET STANDPIPES ARE ALLOWED, SUBJECT TO APPROVAL OF THE CODE OFFICIAL IN  
20 BUILDINGS WHERE THE HIGHEST FLOOR SURFACE USED FOR HUMAN OCCUPANCY IS 75  
21 FEET (22 860 MM) OR LESS ABOVE THE LOWEST LEVEL OF FIRE DEPARTMENT VEHICLE  
22 ACCESS.

23 **905.3.3 COVERED MALL BUILDINGS AND ANCHOR STORES.** THERE SHALL BE CLASS I  
24 STANDPIPE HOSE CONNECTIONS PROVIDED IN ALL THE FOLLOWING LOCATIONS:

25 1. THERE SHALL BE A FIRE DEPARTMENT STANDPIPE OUTLETS CONNECTED TO  
26 THE MALL AREA AUTOMATIC SPRINKLER SYSTEM, OR THERE SHALL BE A SEPARATE  
27 STANDPIPE SYSTEM, CAPABLE OF DELIVERING 250 GALLONS PER MINUTE AT 50 PSI AT  
28 THE MOST REMOTE HOSE CONNECTION, WITH AN OUTLET LOCATED WITHIN EACH  
29 ENTRANCE TO AN EXIT PASSAGEWAY, CORRIDOR OR ENCLOSED STAIRWAY, AT  
30 EXTERIOR EXITS AND AT A MINIMUM OF 200 FOOT INTERVALS ALONG THE COVERED  
31 MALL.

32 2. THERE SHALL BE A FIRE DEPARTMENT STANDPIPE SYSTEM PROVIDED IN ALL  
33 ANCHOR STORES ATTACHED TO A MALL STRUCTURE. THE STANDPIPE SYSTEM SHALL  
34 BE INDEPENDENT OF THE ANCHOR STORE AUTOMATIC SPRINKLER SYSTEM AND BE

1 CAPABLE OF DELIVERING 250 GALLONS PER MINUTE AT 50 PSI DISCHARGE PRESSURE  
2 AT THE MOST REMOTE HOSE CONNECTION WITH AN OUTLET LOCATED WITHIN EACH  
3 ENTRANCE TO AN EXIT PASSAGEWAY, CORRIDOR OR ENCLOSED STAIRWAY, AT  
4 EXTERIOR EXITS, AND AT EACH ESCALATOR FLOOR OPENING.

5 **905.3.7 MARINAS AND BOATYARDS.** MARINAS AND BOATYARDS SHALL BE EQUIPPED  
6 THROUGHOUT WITH STANDPIPE SYSTEMS IN ACCORDANCE WITH THE BALTIMORE  
7 COUNTY FIRE PREVENTION CODE.

8 **905.11 LOCATION OF CONTROL VALVE.** THE INDICATING RISER CONTROL VALVE(S)  
9 SHALL BE LOCATED IN THE FIRE RATED STAIRTOWER ENCLOSURE AND ARRANGED IN A  
10 MANNER APPROVED BY THE BUILDING OFFICIAL OR THE FIRE DEPARTMENT. FLOOR  
11 CONTROL VALVES SHALL BE LOCATED WITHIN THE FIRE RATED STAIRTOWER  
12 ENCLOSURE AND ARRANGED IN A MANNER APPROVED BY THE BUILDING OFFICIAL.

13 **SECTION 910 SMOKE AND HEAT VENTS.**

14 **910.2.1.1 STORAGE FACILITIES.** S-1 STORAGE BUILDINGS TWO OR MORE STORIES IN  
15 HEIGHT SHALL BE PROVIDED WITH TEMPERED GLASS WINDOWS/PANELS OR OPERABLE  
16 WINDOWS SHALL BE PROVIDED WHEN REQUIRED BY THE BUILDING OFFICIAL IN  
17 EXTERIOR WALLS AT THE RATE OF 20 SQUARE FEET PER 50 LINEAL FEET OF EXTERIOR  
18 WALL IN EACH STORY AND SHALL BE DISTRIBUTED AT NOT MORE THAN 50-FOOT  
19 INTERVALS AND SHALL HAVE DIRECT ACCESS TO CORRIDORS OR AISLES. WHERE  
20 TEMPERED GLASS OR PANELS ARE USED, SUCH WINDOWS/PANELS SHALL BE CLEARLY  
21 AND PERMANENTLY MARKED. IDENTIFICATION SHALL BE BY AN ETCHED GLASS  
22 MALTESE CROSS OF MINIMUM 4 INCH BY 4 INCH IN ACCORDANCE WITH THE  
23 BALTIMORE COUNTY FIRE DEPARTMENTS REQUIREMENTS.

24 **SECTION 913 FIRE PUMPS.**

25 **913.1.1 INSTALLATION STANDARD EDITION.** EDITION YEAR OF NFPA 20 SHALL BE THE  
26 EDITION YEAR REQUIRED BY THE BALTIMORE COUNTY FIRE PREVENTION CODE.

27 **913.4 VALVE SUPERVISION.** WHERE PROVIDED, THE FIRE PUMP SUCTION, DISCHARGE  
28 AND BYPASS VALVES, AND ISOLATION VALVES ON THE BACKFLOW PREVENTION  
29 DEVICE OR ASSEMBLY SHALL BE SUPERVISED IN ACCORDANCE WITH SECTION 903.4.1.2.

30 **SECTION 915 EMERGENCY RESPONDER RADIO COVERAGE.**

31 **915.1 GENERAL.** WHERE REQUIRED ELSEWHERE IN THIS CODE, EMERGENCY  
32 RESPONDER RADIO COVERAGE SHALL BE PROVIDED AND MAINTAINED IN  
33 ACCORDANCE WITH NFPA 72 NATIONAL FIRE ALARM AND SIGNALING CODE 2010  
34 EDITION FOR 2-WAY RADIO COMMUNICATIONS ENHANCEMENT SYSTEMS.

1 **CHAPTER 10 MEANS OF EGRESS.**

2 **SECTION 1003.0 GENERAL MEANS OF EGRESS.**

3 **1003.1.1 LIFE SAFETY CODE CONFLICTS:** WHEN THIS CODE AND THE NFPA 101 LIFE  
4 SAFETY CODE HAVE CONFLICTING TECHNICAL PROVISIONS FOR MEANS OF EGRESS,  
5 THE BUILDING OFFICIAL MAY ACCEPT ALTERNATIVE FEATURES OF THE LIFE SAFETY  
6 CODE AS CONSTITUTING EQUIVALENT PROTECTION.

7 **SECTION 1011 EXIT SIGNS.**

8 **1011.1.1 COLOR.** EXIT SIGNS SHALL HAVE GREEN LETTERS ON A WHITE BACKGROUND  
9 OR IN ANOTHER APPROVED DISTINGUISHABLE BACKGROUND COLOR.

10 **SECTION 1013 GUARDS**

11 **1013.1.2 RETAINING WALLS.** GUARDS SHALL BE PROVIDED FOR ALL RETAINING WALLS  
12 4 FEET OR HIGHER.

13 EXCEPTION: RETAINING WALLS LESS THAN 8 FEET IN HEIGHT WITH NO WALKING  
14 SURFACE WITHIN 5 FEET OF OPEN-SIDE AND NO DANGEROUS CONDITION IS EVIDENT.

15 **CHAPTER 11 ACCESSIBILITY:**

16 **SECTION 1101 GENERAL.**

17 **1101.1 SCOPE.** THE PROVISIONS OF THIS CHAPTER SHALL CONTROL THE DESIGN AND  
18 CONSTRUCTION OF FACILITIES FOR ACCESSIBILITY TO PHYSICALLY DISABLED  
19 PERSONS.

20 **1101.2 DESIGN.** BUILDINGS AND FACILITIES SHALL BE DESIGNED AND CONSTRUCTED TO  
21 BE ACCESSIBLE IN ACCORDANCE WITH THE MARYLAND ACCESSIBILITY CODE SET  
22 FORTH IN COMAR 05.02.02.

23 **CHAPTER 16 STRUCTURAL DESIGN.**

24 **SECTION 1607.0 LIVE LOADS.**

25 **1607.3.1 UNIFORM LIVE LOADS PIERS.**

26 1. UNIFORM LIVE LOADS FOR PIERS SERVING ONE AND TWO FAMILY DWELLINGS  
27 SHALL BE 60 PSF WITH AN ADDITIONAL 10 PSF FOR ADDED DEAD LOAD.

28 2. UNIFORM LIVE LOADS FOR PIERS SERVING ALL OTHER OCCUPANCIES SHALL  
29 BE A MINIMUM OF 100 PSF.

30 **1607.7.2.1 MINIMUM DESIGN FOR FIRE TRUCK AND EMERGENCY VEHICLES.**  
31 MINIMUM STRUCTURAL DESIGN SHALL BE IN ACCORDANCE WITH BALTIMORE COUNTY  
32 DESIGN MANUAL FOR HS25 OR HS27 HIGHWAY BRIDGE DESIGNS.

33 **1607.12.2 MINIMUM ROOF LIVE LOADS.** ORDINARY ROOFS, EITHER FLAT, PITCHED, OR  
34 CURVED, SHALL BE DESIGNED FOR THE LIVE LOADS AS SPECIFIED IN TABLE 1607.12 OR

1 THE SNOW LOAD COMPUTED BY THE METHODS OF SECTION 1608, WHICHEVER RESULTS  
 2 IN THE GREATER DESIGN LOAD WITH NO REDUCTIONS IN LIVE LOADS PERMITTED.  
 3 **1607.12.2.1 RISK CATEGORY OF BUILDINGS MINIMUM ROOF LIVE LOADS.** RISK  
 4 CATEGORIES PER TABLE 1604.5 SHALL HAVE MINIMUM ROOF LIVE LOADS BY APPLYING  
 5 RISK CATEGORY IMPORTANCE FACTORS TO TABLE 1607.12 AND SECTION 1608 SNOW  
 6 LOADS WHICH EVER IS THE GREATER RESULTANT ROOF LIVE LOAD.

7 **TABLE 1607.12**  
 8 **MINIMUM ROOF LIVE LOADS**

9 ROOF SLOPE	LIVE LOAD (PSF)
10 FLAT/FLAT OR RISE < 4/12	30
11 PITCHED RISE 4/12 to <12/12	20
12 RISE 12/12 OR GREATER	20
13 ARCH OR DOME WITH RISE <1/8 SPAN	30
14 CURVED ARCH OR DOME WITH 1/8 SPAN TO <3/8 SPAN	20
15 ARCH OR DOME WITH RISE 3/8 SPAN OR GREATER	15

16  
 17 **1607.12.3. OCCUPIABLE ROOFS.** AREAS OF ROOFS THAT ARE OCCUPIABLE, SUCH AS  
 18 ROOF GARDENS, OR FOR PUBLIC ASSEMBLY OR OTHER SIMILAR PURPOSES, AND  
 19 MARQUEES SHALL BE DESIGNED FOR MINIMUM LIVE LOAD AS REQUIRED IN TABLE  
 20 1607.1, WITH NO REDUCTION IN LIVE LOADS.

21 **1607.12.3.1 LANDSCAPED ROOFS.** WHERE ROOFS ARE TO BE LANDSCAPED, THE  
 22 UNIFORM DESIGN LIVE LOAD IN THE LANDSCAPING AREA SHALL BE 30 PSF. THE  
 23 WEIGHT OF THE LANDSCAPING MATERIALS SHALL BE CONSIDERED AS DEAD LOAD AND  
 24 SHALL BE COMPUTED ON THE BASIS OF SATURATION OF THE SOIL.

25 **SECTION 1608 SNOW LOADS**

26 **1608.2.1 GROUND SNOW LOAD.** GROUND SNOW LOADS SHALL BE A MINIMUM OF 30  
 27 POUNDS PER SQUARE FOOT.

28 **SECTION 1609.0 WIND LOADS.**

29 **1609.3.2 BASIC WIND SPEED.** THE BASIC WIND SPEED IN BALTIMORE COUNTY FOR  
 30 DESIGN PURPOSES SHALL BE AS REQUIRED BY SECTION 1609.3 OR 1609.3.3 WHICHEVER  
 31 RESULTS IN THE GREATER DESIGN WIND LOAD.

32 **SECTION 1609.3.3 MINIMUM DESIGN WIND LOADS.** WIND LOADS FOR ALL RISK  
 33 CATAGORIES SHALL BE AS FOLLOWS:

- 34 a. RISK CATAGORIES I AND II, 90 MPH (3-SECOND GUST)
- 35 b. RISK CATAGORIES III AND IV, 101 MPH (3-SECOND GUST)

36 **SECTION 1613 EARTHQUAKE LOADS.**

1 **SECTION 1613.3.2.1 MINIMUM SITE CLASS.** THE MINIMUM DESIGN SHALL BE SITE  
2 CLASS B.

3 **CHAPTER 17 SPECIAL INSPECTIONS AND TESTS.**

4 **SECTION 1705 REQUIRED VERIFICATION AND INSPECTIONS.**

5 **SECTION 1705.1.2 PROFESSIONAL SERVICES DURING CONSTRUCTION.** WHEN  
6 REQUIRED, PROFESSIONAL SERVICES DURING CONSTRUCTION SHALL BE PERFORMED  
7 IN ACCORDANCE WITH THE BALTIMORE COUNTY DATA SHEET WITH INSPECTION  
8 RESULTS PROVIDED TO THE BUILDING INSPECTOR PRIOR TO FINAL INSPECTION.

9 **CHAPTER 18 SOILS AND FOUNDATIONS.**

10 **SECTION 1804 EXCAVATION, GRADING AND FILL.**

11 **SECTION 1804.4.1 USE OF COMPACTED FILL AND 100 YEAR FLOODPLAIN.** A FOOTING  
12 SHALL NOT BEAR ON COMPACTED FILL WHEN USED IN A 100 YEAR FLOODPLAIN OR  
13 WHEN USED TO ELEVATE (REMOVE) A STRUCTURE OUT OF A 100 YEAR FLOODPLAIN.

14 **SECTION 1805 DAMPPROOFING AND WATERPROOFING.**

15 **1805.4.2.1 FOUNDATION DRAINS USE GROUP R3 LOCATED INSIDE OF FOOTING ONLY.**

16 WHEN FOUNDATION DRAINS ARE PROVIDED ONLY ON THE INSIDE OF THE FOOTING,  
17 WEEPHOLES SHALL BE PROVIDED ABOVE THE TOP OF THE FOOTING AND BELOW THE  
18 BOTTOM OF THE FLOOR SLAB UNLESS AN ALTERNATE DESIGN IS CERTIFIED BY AN  
19 ENGINEER AND APPROVED IN WRITING. IN A HOLLOW MASONRY WALL, THE  
20 WEEPHOLES MAY BE CREATED IN THE WALL BY CREATING ½ INCH OPENING INTO THE  
21 CORE OF THE BLOCK 16 INCHES ON CENTER IMMEDIATELY ABOVE THE FOOTING, OR IN  
22 A POURED CONCRETE WALL BY CREATING OPENINGS AT LEAST 1 INCH IN DIAMETER  
23 NO MORE THAN 6 FEET ON CENTER WITH A MINIMUM OF 6 INCHES OF GRAVEL AND A  
24 FILTER FABRIC PLACED OVER THE GRAVEL BED TO PROTECT THE BED FROM  
25 CLOGGING. THE SYSTEM SHALL ALSO COMPLY WITH THE BALTIMORE COUNTY  
26 PLUMBING AND GASFITTING CODE.

27 **SECTION 1807 FOUNDATION WALLS, RETAINING WALLS AND EMBEDDED POSTS AND**  
28 **POLES.**

29 **SECTION 1807.1.6.2.2 BRICK LEDGE.** IF THE THICKNESS OF A FOUNDATION WALL IS  
30 REDUCED TO ACCOMMODATE A BRICK LEDGE 2 FEET OR LESS FROM THE TOP OF THE  
31 WALL, THE REDUCED WALL (CALLED A STEM WALL) SHALL NOT BE LESS THAN 3.5  
32 INCHES THICK UNLESS VERIFIED BY A REGISTERED DESIGN PROFESSIONAL. WHERE  
33 THE SECTION IS 4 INCHES THICK OR LESS, A MINIMUM OF ONE REINFORCING BAR AT  
34 TWO FEET ON CENTER, THIRTY INCHES LONG SHALL BE PLACED AS CLOSE AS

1 PRACTICAL TO THE TENSION FACE AND EXTEND A MINIMUM OF TWELVE INCHES INTO  
2 BOTH SECTIONS OF THE WALL. IF THE REDUCED WALL IS MORE THAN 2 FEET BELOW  
3 THE TOP OF THE WALL, THE SECTION SHALL BE REINFORCED IN ACCORDANCE WITH A  
4 DESIGN PREPARED BY A REGISTERED DESIGN PROFESSIONAL.

5 **SECTION 1807.1.6.2.3 JOIST LEDGE.** WHEN THE TOP OF AN UNREINFORCED  
6 FOUNDATION WALL IS REDUCED IN THICKNESS TO PERMIT INSTALLATION OF FLOOR  
7 JOISTS, THE REDUCED SECTION SHALL NOT BE MORE THAN 2 FEET HIGH AND NOT LESS  
8 THAN 3.5 INCHES THICK UNLESS VERIFIED BY A REGISTERED DESIGN PROFESSIONAL.  
9 WHEN THE REDUCED SECTION IS 4 INCHES OR LESS IN THICKNESS, A MINIMUM OF ONE  
10 REINFORCING BAR AT 2 FEET ON CENTER, THIRTY INCHES LONG SHALL BE PLACED AS  
11 CLOSE AS PRACTICAL TO THE TENSION FACE AND EXTENDING TWELVE INCHES INTO  
12 BOTH SECTIONS.

13 **TABLE 1807.1.6.3 (1) Note c.** SOLID GROUTED HOLLOW UNITS OR SOLID MASONRY UNITS.  
14 FOR 7 FT. HEIGHT OF BACKFILL, HOLLOW 12 INCH BLOCK MAY BE USED PROVIDED THE  
15 FOLLOWING CONDITIONS ARE MET:

- 16 1. THE FOUNDATION WALL DOES NOT EXCEED 8 FEET IN HEIGHT BETWEEN LATERAL  
17 SUPPORTS;
- 18 2. THE TERRAIN SURROUNDING FOUNDATION WALLS IS GRADED SO AS TO DRAIN  
19 SURFACE WATER AWAY FROM FOUNDATION WALLS;
- 20 3. BACKFILL IS DRAINED TO REMOVE GROUND WATER AWAY FROM FOUNDATION  
21 WALLS;
- 22 4. LATERAL SUPPORT IS PROVIDED AT THE TOP OF THE FOUNDATION WALLS PRIOR  
23 TO BACKFILLING;
- 24 5. THE LENGTH OF FOUNDATION WALL BETWEEN PERPENDICULAR MASONRY  
25 WALLS OR PILASTERS DOES NOT EXCEED 24 FT;
- 26 6. THE BACKFILL IS GRANULAR AND SOIL CONDITIONS IN THE AREA ARE  
27 NON-EXPANSIVE; AND
- 28 7. MASONRY IS LAID IN RUNNING BOND USING TYPE M OR S MORTAR.

29 **1807.1.6.3.1.1 EXCAVATING BASEMENTS UNDER AN EXISTING STRUCTURE.** THE  
30 DESIGN OF FOUNDATION AND RETAINING WALLS NECESSARY TO EXCAVATE A  
31 BASEMENT UNDER AN EXISTING R-3 STRUCTURE SHALL BE DESIGNED AND SEALED BY  
32 AN ENGINEER REGISTERED IN THE STATE OF MARYLAND.

33 **EXCEPTION:** UNDER LIGHT FRAME CONSTRUCTION, WITH A MAXIMUM OF TWO  
34 STORIES, PROFESSIONAL SERVICES MAY BE WAIVED BY THE CODE OFFICIAL WHEN

1 DESIGNED IN FULL ACCORDANCE WITH APPENDIX **FIGURE 107** STANDARD DESIGN  
2 DIAGRAM FOR “TYPICAL WALL SECTION FOR EXCAVATED BASEMENT.”

3 **SECTION 1807.2 RETAINING WALLS.** RETAINING WALLS SHALL BE DESIGNED IN  
4 ACCORDANCE WITH SECTIONS 1807.2.1 THROUGH 1807.2.4.

5 **SECTION 1807.2.4 REGISTERED DESIGN PROFESSIONAL REQUIRED.** RETAINING  
6 WALLS 4 FEET OR GREATER IN HEIGHT FROM THE LOWEST POINT OF THE FINISHED  
7 GRADE SHALL BE CONSTRUCTED IN ACCORDANCE WITH A DESIGN PREPARED BY A  
8 REGISTERED DESIGN PROFESSIONAL. SUCH DESIGN AS WELL AS RETAINING WALL  
9 LOCATION SHALL SATISFY THE STRUCTURAL DESIGN STANDARDS FOR FOUNDATIONS  
10 AND RETAINING WALLS SET FORTH IN THE BALTIMORE COUNTY DEPARTMENT OF  
11 PUBLIC WORKS DESIGN MANUAL IN ADDITION TO ANY OTHER APPLICABLE PROVISIONS  
12 OF THIS CODE.

13 **SECTION 1809 SHALLOW FOUNDATIONS.**

14 **1809.5 EXCEPTION 2 FROST PROTECTION.** AREA OF 400 SQUARE FEET OR LESS OF ANY  
15 TYPE CONSTRUCTION; AND

16 **1809.5.1 FROST DEPTH.** THE FROST DEPTH FOR FOOTING DESIGN IN BALTIMORE  
17 COUNTY IS 30 INCHES BELOW FINISHED GRADE.

18 **1809.5.1.2 FOOTING DEPTH POLE BUILDINGS AND SIMILAR STRUCTURES.** THE  
19 MINIMUM DEPTH OF FOOTINGS FOR POLE BUILDINGS AND SIMILAR STRUCTURES SHALL  
20 BE 48 INCHES BELOW FINISHED GRADE.

21 **CHAPTER 21 MASONRY.**

22 **SECTION 2111.0 MASONRY FIREPLACES.**

23 **2111.2.2 RELATION TO ADJACENT FOOTINGS.** UNLESS DESIGNED BY A REGISTERED  
24 ENGINEER OR ARCHITECT, FOOTINGS FOR MASONRY CHIMNEYS OR FIRE PLACES SHALL  
25 BE PLACED AT THE SAME ELEVATION AS THE FOUNDATION WALL FOOTINGS.

26 **CHAPTER 23 WOOD.**

27 **SECTION 2308.0 CONVENTIONAL LIGHT FRAME CONSTRUCTION.**

28 **2308.6.1 SILL PLATE ATTACHMENT TO CENTER BEAM.** WHEN A WOODEN PLATE  
29 RESTS ON A STEEL BEAM, IT MAY BE SECURED BY BOLTS, OR "SHOT" PROVIDING THE  
30 WOOD IS NOT CRUSHED OR SPLIT. GLUING MUST BE PRE-APPROVED AND CERTIFIED BY  
31 AN ENGINEER. CLIPS ARE ACCEPTABLE IF DESIGNED FOR THAT PURPOSE.

32 **CHAPTER 30 ELEVATORS AND CONVEYING SYSTEMS.**

33 **SECTION 3001.0 GENERAL.**

1 **3001.5 CERTIFICATE OF OCCUPANCY.** THE ISSUANCE OF CERTIFICATES OF  
2 COMPLIANCE SHALL BE AS REQUIRED BY PUBLIC SAFETY ARTICLE, TITLE 12, SUBTITLE  
3 8, ANNOTATED CODE OF MARYLAND AS AMENDED.

4 **3001.6 TESTS AND INSPECTIONS.** ALL EQUIPMENT AND DEVICES COVERED BY THE  
5 PROVISIONS OF THIS CODE SHALL BE SUBJECTED TO ACCEPTANCE AND MAINTENANCE  
6 TESTS AND PERIODIC INSPECTIONS AS DIRECTED BY THE COMMISSIONER OF LABOR  
7 AND INDUSTRY OF THE STATE OF MARYLAND IN ACCORDANCE WITH PUBLIC SAFETY  
8 ARTICLE, TITLE 12, SUBTITLE 8 OF THE ANNOTATED CODE OF MARYLAND, AS  
9 AMENDED.

10 **CHAPTER 31 SPECIAL CONSTRUCTION.**

11 **SECTION 3101.0 GENERAL.**

12 **3108.0 RADIO AND TELEVISION TOWERS.**

13 **3108.1.1 PERMITS AND STRUCTURAL.** A PERMIT SHALL BE REQUIRED FOR ALL ROOF  
14 MOUNTED SATELLITE DISH ANTENNAE THAT ARE MORE THAN THREE FEET IN  
15 DIAMETER. ALL ROOF-MOUNTED SATELLITE DISH ANTENNAE SHALL BE MOUNTED SO  
16 AS TO BE STRUCTURALLY STABLE AND NOT PRESENT A DANGER TO THE PUBLIC.  
17 SATELLITE DISH ANTENNAE SHALL ONLY BE MOUNTED ON A ROOF CAPABLE OF  
18 SUPPORTING ANY IMPOSED LOADS THE DISH GENERATES.

19 **3112.0 CIRCUSES & CARNIVALS.**

20 **3112.1 SCOPE.** THIS SECTION IS INTENDED TO REGULATE CIRCUSES AND CARNIVALS.  
21 THE WORDS OR EXPRESSIONS "CIRCUSES" AND "CARNIVALS" OR ANY WORD OR WORDS  
22 USED IN THEIR PLACE SHALL MEAN ANY AND ALL USES OF PUBLIC OR PRIVATE LAND,  
23 STREETS, LANES, OR ALLEYS FOR FETES, BAZAARS, CIRCUSES, STREET CARNIVALS,  
24 CARNIVAL, FETES OR HORSEMANSHIP, ACROBATIC STUNTS, TRAINED ANIMAL ACT,  
25 CLOWNING AND OTHER SIMILAR PERFORMANCES, MECHANICAL RIDES OR OTHER  
26 DEVICES TO WHICH THE PUBLIC IS INVITED, AND SHALL INCLUDE THE USE OF  
27 TEMPORARY STANDS OR FACILITIES FOR SELLING OR DISPENSING PRODUCTS FOR  
28 HUMAN CONSUMPTION IN CONNECTION WITH THE FOREGOING.

29 **3112.2 GENERAL REQUIREMENTS.** ANY PERSON WISHING TO OPERATE A CARNIVAL  
30 OR CIRCUS IN BALTIMORE COUNTY SHALL FILE WITH THE BUILDING OFFICIAL A  
31 PERMIT APPLICATION AT LEAST THIRTY DAYS PRIOR TO THE INTENDED OPENING DATE  
32 OF THE CIRCUS OR CARNIVAL. THE BUILDING OFFICIAL SHALL REQUIRE EACH  
33 APPLICANT TO INCLUDE IN THE APPLICATION A STATEMENT WHETHER OR NOT  
34 MECHANICAL RIDES OR DEVICES ARE TO BE USED IN CONNECTION WITH THE CIRCUS

1 OR CARNIVAL. IN THE EVENT THE APPLICANT INTENDS TO PROVIDE MECHANICAL  
2 RIDES OR DEVICES AT THE CIRCUS OR CARNIVAL, THE PERSON SUPPLYING THESE  
3 MECHANICAL RIDES OR DEVICES SHALL FURNISH, PRIOR TO THE ISSUANCE OF THE  
4 PERMIT, SATISFACTORY EVIDENCE OF INSURANCE IN AN AMOUNT THE CODE OFFICIAL  
5 DETERMINES SUFFICIENT TO INSURE THE APPLICANT AGAINST ANY LIABILITY FOR  
6 DAMAGE, INCLUDING DEATH, OR INJURY TO PERSONS, AND DAMAGE TO PROPERTY  
7 DUE TO FAULTY EQUIPMENT OR NEGLIGENCE. THE SUPPLIER OF THE RIDES OR  
8 MECHANICAL DEVICES SHALL ALSO INDEMNIFY THE COUNTY AGAINST ANY SUIT OR  
9 SUITS, LOSS, CLAIM, DAMAGES, OR EXPENSE TO WHICH THE COUNTY MAY BE  
10 SUBJECTED BY REASON OF ANY DAMAGE TO PROPERTY OR PERSON, INCLUDING  
11 DEATH, INJURY TO THE PUBLIC HIGHWAYS AND OTHER PUBLIC PROPERTY DONE IN  
12 CONNECTION WITH THE TRANSPORTATION, ERECTION, OPERATION, MAINTENANCE  
13 AND SUPERVISION OF THE MECHANICAL RIDES OR DEVICES.

14 IN ADDITION, THE BUILDING OFFICIAL SHALL REQUIRE THE APPLICANT TO FURNISH  
15 PROOF OF FINANCIAL RESPONSIBILITY IN THE FORM OF A WRITTEN CERTIFICATE FROM  
16 AN INSURANCE CARRIER AUTHORIZED TO TRANSACT BUSINESS IN THE STATE OF  
17 MARYLAND, WHICH STATES THAT THE APPLYING CIRCUS OR CARNIVAL IS INSURED  
18 AGAINST ANY LEGAL LIABILITY, OTHER THAN THAT COVERED BY THE IMMEDIATELY  
19 PRECEDING PARAGRAPH, CAUSED BY ACCIDENTS OR OTHERWISE, AND RESULTING IN  
20 INJURIES TO OR DEATH OF PERSONS, AND INJURIES TO OR DESTRUCTION OF PROPERTY,  
21 PUBLIC OR OTHERWISE, AS A CONSEQUENCE OF THE OWNERSHIP, OPERATION,  
22 MAINTENANCE, OR ANY OTHER FACET OF THE CIRCUS OR CARNIVAL.

23 THE PROOF OF FINANCIAL RESPONSIBILITY SHALL BE PROVIDED IN AN AMOUNT  
24 WHICH, IN THE JUDGMENT OF THE BUILDING OFFICIAL, WILL ADEQUATELY PROTECT  
25 THE PUBLIC.

26 IF THE APPLICANT IS A NON-RESIDENT OF BALTIMORE COUNTY, THE APPLICANT AND  
27 THE APPLICANT'S INSURANCE CARRIER SHALL EXECUTE A POWER OF ATTORNEY  
28 AUTHORIZING THE BUILDING OFFICIAL, ON THEIR BEHALF, TO ACCEPT SERVICE OF  
29 NOTICES, PROCESSES AND ANY ACTION ARISING OUT OF THE OWNERSHIP, OPERATION,  
30 MAINTENANCE OR ANY OTHER FACET OF THE CIRCUS OR CARNIVAL WHILE IT IS  
31 WITHIN THE CONFINES OF BALTIMORE COUNTY. IF A NON-RESIDENT CORPORATION  
32 APPLIES FOR A PERMIT, THE BUILDING OFFICIAL SHALL ISSUE A PERMIT SO LONG AS  
33 THE NON-RESIDENT CORPORATION COMPLIES WITH ALL CONDITIONS HEREIN  
34 CONTAINED, AND SUBMITS WITH ITS APPLICATION A CERTIFICATE FROM THE

1 DEPARTMENT OF ASSESSMENTS AND TAXATION, STATE OF MARYLAND, CERTIFYING  
2 THAT THE NON-RESIDENT CORPORATION IS A DULY CONSTITUTED CORPORATION  
3 AUTHORIZED TO DO BUSINESS IN THE STATE OF MARYLAND. EVERY APPLICATION TO  
4 HOLD A CIRCUS OR CARNIVAL SHALL BE SIGNED BY A RESPONSIBLE PERSON OR  
5 OFFICIAL ACTING FOR THE APPLICANT. SUCH APPLICATION SHALL BE FORTHWITH  
6 REFERRED TO THE POLICE DEPARTMENT, HIGHWAYS ENGINEER, FIRE DEPARTMENT,  
7 COUNTY HEALTH OFFICER, TRAFFIC ENGINEERING AND THE ZONING COMMISSIONER  
8 FOR THEIR RECOMMENDATIONS. IN THE EVENT ANY REVIEWING AGENCY  
9 DISAPPROVES SUCH APPLICATION, THE PERMIT SHALL NOT BE GRANTED, AND A COPY  
10 OF THE APPLICATION DENIAL SHALL BE SENT TO THE CHIEF OF POLICE. THE BUILDING  
11 OFFICIAL MAY ISSUE A PROPER PERMIT AFTER CONSIDERATION OF THE  
12 RECOMMENDATIONS OF THE ABOVE NAMED AGENCIES. UPON THE ISSUANCE OF  
13 EVERY SUCH PERMIT, THE BUILDING OFFICIAL SHALL IMMEDIATELY SEND A COPY OF  
14 ALL SUCH PERMITS TO THE AGENCIES SET FORTH ABOVE. A PROPER PERMIT SHALL BE  
15 SECURED FROM THE BUILDING OFFICIAL BEFORE STARTING TO SET UP ANY  
16 STRUCTURES, APPLIANCES OR EQUIPMENT FOR SUCH PURPOSES. THE CHIEF OF POLICE  
17 SHALL KEEP A CLOSE WATCH UPON ANY SUCH CIRCUS OR CARNIVAL IN OPERATION IN  
18 ORDER TO DETERMINE WHETHER ANY OF THE REGULATIONS OF BALTIMORE COUNTY  
19 OR THE STATE OF MARYLAND ARE BEING VIOLATED.

20 **3112.3 LAYOUT.** EVERY CIRCUS OR CARNIVAL SHALL BE LAID OUT SO THAT:

21 1. MAIN AISLE OR CONCOURSE EXTENDS ENTIRELY THROUGH THE CIRCUS OR  
22 CARNIVAL, OPEN AT BOTH ENDS ON A STREET OR OTHER PUBLIC WAY LEADING TO A  
23 STREET NOT LESS THAN 30 FEET WIDE. THIS AISLEWAY SHALL BE NOT LESS THAN TEN  
24 FEET WIDE FOR A LENGTH OF 100 FEET, AND INCREASED NOT LESS THAN 2 ½ FEET IN  
25 WIDTH FOR EACH 100 FEET OR FRACTION THEREOF OF ADDITIONAL LENGTH.

26 2. SIDE OR BRANCH AISLEWAYS OPEN AT BOTH ENDS SHALL BE NOT LESS THAN SIX  
27 FEET IN WIDTH FOR A DISTANCE OF 50 FEET, AND FOR EACH ADDITIONAL LENGTH OF 50  
28 FEET, OR FRACTION OF THE BRANCH AISLEWAY, NOT LESS THAN ONE FOOT SHALL BE  
29 ADDED TO ITS WIDTH.

30 **3112.4 CIRCUS AND CARNIVAL STRUCTURES.**

31 **3112.4.1 TENTS AND OTHER STRUCTURES.** ALL TENTS IN CONNECTION WITH ANY  
32 CIRCUS OR CARNIVAL SHALL CONFORM TO ALL THE REQUIREMENTS FOR THE TENTS IN  
33 SECTIONS 3102 AND 3103 OF THIS CODE. PERMANENT STRUCTURES SHALL CONFORM  
34 TO ALL APPLICABLE PROVISIONS IN THIS CODE RELATING TO PERMANENT

1 STRUCTURES. EVERY TENT AND OTHER STRUCTURE IN CONNECTION WITH A CIRCUS  
2 OR CARNIVAL SHALL BE PROVIDED WITH ADEQUATE EXITS. THE WIDTH AND NUMBER  
3 OF THE EXITS AND MEANS OF EGRESS SHALL BE BASED UPON THE GENERAL  
4 REQUIREMENTS FOR EXITS AND MEANS OF EGRESS IN ASSEMBLY STRUCTURES. ALL  
5 EXITS AND AISLEWAYS OF EVERY CIRCUS AND CARNIVAL SHALL BE WELL LIGHTED AT  
6 ALL TIMES WHEN SUCH PLACES ARE OCCUPIED.

7 **3112.4.2 MECHANICAL RIDES AND DEVICES.** NO MERRY-GO-ROUND, FERRIS WHEEL,  
8 WHIPS OR OTHER MECHANICAL DEVICE SHALL BE OPERATED WITHOUT A PERMIT FROM  
9 THE BUILDING OFFICIAL. ALL MECHANICAL DEVICES SHALL BE DESIGNED,  
10 CONSTRUCTED AND ERECTED IN ACCORDANCE WITH THIS CODE.

11 **3112.4.3 CONCESSION STANDS.** THE CONCESSION STANDS SHALL BE OF STANDARD  
12 PREFABRICATED CONSTRUCTION OR OF SPECIAL CONSTRUCTION APPROVED BY THE  
13 BUILDING OFFICIAL FOR A PARTICULAR PURPOSE.

14 **3112.5 ELECTRICAL AND MECHANICAL REQUIREMENTS.** ALL ELECTRICAL AND  
15 MECHANICAL WORK SHALL CONFORM TO THE REQUIREMENTS OF THIS CODE.

16 **3112.6 MAINTENANCE AND OPERATION.** EVERY CIRCUS OR CARNIVAL SHALL BE  
17 PROPERLY MAINTAINED AND OPERATED SO AS NOT TO CAUSE A HAZARD OR INJURY TO  
18 LIFE OR PROPERTY.

19 **SECTION 3113.0 ADDITIONAL REQUIREMENTS FOR EXCAVATING AND EXCAVATIONS.**

20 **3113.1 QUARRY HOLES AND ABANDONED EXCAVATIONS.**

21 1. ABANDONED EXCAVATIONS SHALL BE FILLED, FENCED, OR REHABILITATED  
22 IN COMPLIANCE WITH A VALID BUILDING PERMIT.

23 2. QUARRY HOLES SHALL INCLUDE ANY AND ALL QUARRIES, WHETHER ACTIVE,  
24 INACTIVE OR ABANDONED, AS WELL AS ANY OTHER SIMILAR EXCAVATED HOLE OR  
25 DEPRESSIONS IN THE EARTH.

26 3. PROTECTION OF QUARRY HOLES: THE OWNER OF PROPERTY ON WHICH  
27 QUARRY HOLES EXIST SHALL BE RESPONSIBLE TO COMPLETELY ENCLOSE THE HOLES  
28 WITH FENCES HAVING NO OPENINGS THROUGH WHICH A FOUR (4) INCH DIAMETER  
29 BALL CAN PASS. THE FENCE SHALL HAVE A MINIMUM HEIGHT OF 6 FEET AND 9 INCHES  
30 PLUS THREE STRANDS OF BARBED WIRE. ALL FENCES SHALL BE PROVIDED WITH ONE  
31 GATE OR MORE, AND ALL GATES SHALL BE KEPT CLOSED AND SECURELY LOCKED  
32 EXCEPT WHEN AN AUTHORIZED PERSON IS ON THE PREMISES. THE BUILDING OFFICIAL,  
33 HOWEVER, MAY PERMIT ANY WALLS OF A BUILDING OR OTHER STRUCTURE,  
34 INCLUDING RETAINING WALLS, OR OTHER BARRIERS, TO SERVE AS A PART OF ALL OF

1 THE REQUIRED ENCLOSURE AROUND ANY QUARRY HOLE IF THE WALLS OR BARRIERS  
2 ADEQUATELY PROTECT THE QUARRY HOLE TO THE SAME EXTENT AS A FENCE WOULD  
3 IN OTHER CIRCUMSTANCES DESCRIBED IN THIS SECTION.

4 4. MAINTENANCE. THE OWNER OF EVERY QUARRY HOLE SHALL MAINTAIN AND  
5 KEEP IN REPAIR ALL REQUIRED FENCES AND OTHER BARRIERS PROTECTING ANY  
6 QUARRY HOLE SO THAT SUCH FENCES AND OTHER BARRIERS WILL ALWAYS BE IN A  
7 SAFE AND SECURE CONDITION.

8 **3113.2 BACKFILLING QUARRY HOLES AND ABANDONED EXCAVATIONS.**

9 IN ALL CASES, BACKFILLING SHALL BE DONE WITH MATERIAL FREE FROM WOOD,  
10 RUBBISH, OR OTHER SIMILAR MATERIAL WHICH IS SUBJECT TO DECAY. THE BACKFILL  
11 MATERIAL SHALL BE THOROUGHLY COMPACTED. CONCENTRATED LOADS OF ANY  
12 TYPE, SUCH AS EQUIPMENT, SHALL NOT SURCHARGE ANY WALL IN THE IMMEDIATE  
13 AREAS OF BACKFILLING. THESE LOADS SHALL BE REMOVED FROM THE WALL A  
14 DISTANCE EQUAL TO THE WALL'S HEIGHT AS MEASURED FROM THE TOP OF THE  
15 BACKFILL.

16 **3113.3 DISPOSAL OF EXCAVATED MATERIALS.** EARTH, ROCK OR OTHER MATERIALS,  
17 IN GRADING, OR TAKEN FROM EXCAVATIONS OR TAKEN OR REMOVED FROM ANY  
18 OTHER SIMILAR OPERATIONS, AND WHICH IS NOT NEEDED FOR FILLING OR  
19 BACKFILLING ON THE PREMISES FROM WHICH THEY HAVE BEEN REMOVED, SHALL BE  
20 HAULED AWAY AND BE DISPOSED OF AT SOME POINT WHERE THEIR DISPOSAL IS  
21 ALLOWED AND WHERE A VALID PERMIT EXISTS TO ALLOW DUMPING AND GRADING.  
22 EARTH, ROCK, RUBBISH OR OTHER MATERIAL REMOVED FROM ANY PREMISES SHALL  
23 NOT BE STORED UPON ANY TRAVELED FOOTWAY, OR ROADWAY OR ANY STREET,  
24 ALLEY OR OTHER PUBLIC WAY. **APPENDIX C- AGRICULTURAL BUILDINGS.**

25 **C102 ALLOWABLE HEIGHT AND AREA.**

26 **C102.2 ONE-STORY UNLIMITED AREA.** THE AREA OF A ONE-STORY GROUP U  
27 AGRICULTURAL BUILDING OF TYPE I, II, III, OR IV CONSTRUCTION SHALL NOT BE  
28 LIMITED IF THE BUILDING IS SURROUNDED AND ADJOINED BY PUBLIC WAYS OR YARDS  
29 NOT LESS THAN 60 FEET IN WIDTH. UNSPRINKLERED ONE-STORY GROUP U  
30 AGRICULTURAL BUILDINGS OF TYPE V CONSTRUCTION SHALL BE LIMITED TO 12,000  
31 SQUARE FEET IN AREA.

32 **PART 300. INTERNATIONAL RESIDENTIAL BUILDING CODE.** THIS PART SETS FORTH  
33 ADDITIONS AND AMENDMENTS TO AND DELETIONS FROM THE ICC INTERNATIONAL

1 RESIDENTIAL BUILDING CODE, 2012 EDITION IN ACCORDANCE WITH SECTION 4 OF THIS  
2 CODE.

3 **PART 301.** THE FOLLOWING CHAPTER SECTIONS OF THE ICC INTERNATIONAL  
4 RESIDENTIAL BUILDING CODE, 2012 EDITION ARE DELETED: R105.2; R108.5; R302.3; R309.1;  
5 R311.8; R403.1.4.1; TABLE R404.1.1 (1); R501.3 DELETE EXCEPTION 4, P2901; P2902; P2903;  
6 AG101.2, AG101.2.1, AG101.2.2; CHAPTER 25 PLUMBING ADMINISTRATION; CHAPTER 27  
7 PLUMBING FIXTURES; CHAPTER 28 WATER HEATERS; CHAPTER 30 SANITARY DRAINAGE;  
8 CHAPTER 31 VENTS; CHAPTER 32 TRAPS; CHAPTER 33 STORM DRAINAGE; PART VIII  
9 ELECTRICAL.

10 **PART 302.** THE FOLLOWING CHAPTER, SECTIONS, COLLECTIVELY REFERRED TO AS THE  
11 LOCAL AMENDMENTS TO THE INTERNATIONAL RESIDENTIAL BUILDING CODE, 2012  
12 EDITION, ARE ADDED.

13  
14

15 **CHAPTER 1. ADMINISTRATION.**

16 **R101.2.1 ATTICS LOCATED ABOVE A THIRD STORY.** ATTICS LOCATED ABOVE A THIRD  
17 STORY SHALL COMPLY WITH THE FOLLOWING:

18 1. UNFINISHED ATTICS LOCATED ABOVE A THIRD STORY OF A ONE AND TWO  
19 FAMILY DWELLING ACCESSED IN ACCORDANCE R807 WITHOUT FIXED IN PLACE STAIRS  
20 AND USED FOR LIMITED STORAGE OR UTILITIES ONLY SHALL NOT BE CONSIDERED A  
21 STORY.

22 2. ATTICS USED FOR OR CONVERTED TO LIVING SPACE OR ACCESS BY FIXED IN  
23 PLACED STAIRS SHALL BE CONSIDERED A STORY AND SUBJECT TO COMPLIANCE WITH  
24 THE PROVISIONS OF THE INTERNATIONAL BUILDING CODE, INCLUDING COMPLETE  
25 AUTOMATIC SPRINKLER PROTECTION THROUGHOUT THE STRUCTURE IN COMPLIANCE  
26 WITH TABLE 503 AND SECTION 903.

27 3. FOR THE PURPOSE OF THIS SECTION, A LOFT IS CONSIDERED A MEZZANINE AND  
28 NOT A STORY IF IT IS NO MORE THAN 1/3 OF THE FLOOR AREA OF THE ROOM BELOW.

29 **SECTION R106 CONSTRUCTION DOCUMENTS.**

30 **R106.1.4 REGISTERED DESIGN PROFESSIONAL SEAL REQUIRED.** SUBMITTED PLANS  
31 MEETING THE FOLLOWING SHALL BE SEALED BY A REGISTERED DESIGN PROFESSIONAL  
32 LICENSED BY THE STATE OF MARYLAND:

33 1. CONSTRUCTION THAT UTILIZES STEEL FRAMING PURSUANT TO ANY OF THE  
34 FOLLOWING CODE SECTIONS, R505, R603 OR R804.

1 2. CONSTRUCTION THAT EXCEEDS 3000 SQ FT GROSS FLOOR AREA, EXCLUDING ONE  
2 STORY GARAGES.

3 3. PERMANENT PLANS – MASTER SET OF CONSTRUCTION DRAWINGS UTILIZED TO  
4 OBTAIN MULTIPLE BUILDING PERMITS WITHOUT PROVIDING ADDITIONAL SETS OF  
5 CONSTRUCTION PLANS FOR EACH ADDITIONAL BUILDING PERMIT.

6 **SECTION R106.1.4.1 WALL BRACING.** SEALED CONSTRUCTION DOCUMENTS SHALL  
7 CLEARLY SHOW REQUIRED WALL BRACING AND COMPLIANCE WITH SECTION R602.10.

8 **SECTION R301 DESIGN CRITERIA.**

9 **TABLE 301.2(1) CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA.** THE FOLLOWING  
10 CLIMATIC AND GEOGRAPHICAL DESIGN CRITERIA SHALL BE USED IN BALTIMORE  
11 COUNTY: GROUND SNOW LOAD – 30 PSF; ROOF SNOW LOAD- 30PSF; WIND SPEED- 90MPH;  
12 (3-SECOND GUST), SEISMIC DESIGN CATEGORY- B; WEATHERING- SEVERE; FROST LINE  
13 DEPTH- 30 INCHES; TERMITE- MODERATE TO HEAVY, WOOD DECAY- MODERATE TO  
14 SEVERE; WINTER DESIGN TEMP- 13F; ICE BARRIER UNDERLAYMENT REQUIRED –YES.

15  
16  
17 **SECTION R302 FIRE-RESISTANT CONSTRUCTION.**

18 **R302.3 TWO-FAMILY DWELLINGS.** DWELLING UNITS IN TWO-FAMILY DWELLINGS  
19 SHALL BE SEPARATED FROM EACH OTHER BY WALL AND/OR FLOOR ASSEMBLIES  
20 HAVING NOT LESS THAN A 1-HOUR FIRE-RESISTANCE RATING WHEN TESTED IN  
21 ACCORDANCE WITH ASTM E 119. FIRE-RESISTANCE-RATED FLOOR-CEILING AND WALL  
22 ASSEMBLIES SHALL EXTEND TO AND BE TIGHT AGAINST THE EXTERIOR WALL, AND  
23 WALL ASSEMBLIES SHALL EXTEND TIGHT TO THE UNDERSIDE OF THE ROOF  
24 SHEATHING.

25 **R302.2.5 DECK AND PORCH SETBACK FROM PROPERTY LINES.** DECKS AND PORCH  
26 SETBACK FROM PROPERTY LINES SHALL COMPLY WITH THE FOLLOWING:

27 1. OPEN DECKS AND PORCHES SHALL HAVE A MINIMUM SETBACK FROM  
28 ADJACENT PROPERTY LINES OF FOUR INCHES.

29 **EXCEPTION:** FOR OPEN, ONE STORY DECK, THE DECK AND/OR ITS ROOF MAY  
30 BE CONTINUOUS ACROSS PROPERTY LINES PROVIDED IT IS ALLOWED BY ZONING  
31 REGULATIONS AND AGREED TO BY ADJOINING PROPERTY OWNERS IN WRITING.

32 2. ENCLOSED DECKS OR PORCHES WITH EXTERIOR WALLS LOCATED WITHIN 5  
33 FEET OF A PROPERTY LINE SHALL COMPLY WITH THE PROVISIONS OF SECTION R302.  
34 DRAFTSTOPPING SHALL BE PROVIDED AT THE GABLE ENDS OF ANY ROOF STRUCTURE

1 WITHIN 3 FEET OF THE PROPERTY LINE AND OVER 20 FEET LONG. DRAFTSTOPPING  
2 SHALL ALSO BE PROVIDED AT THE PROPERTY LINE WHERE A ROOF IS CONTINUOUS  
3 ACROSS A PROPERTY LINE. DRAFTSTOPPING MATERIAL SHALL CONSIST OF MINIMUM  
4 DRYWALL OF ½ INCH THICKNESS, SHEET METAL, OR FIRE RETARDANT TREATED  
5 PLYWOOD.

6 **R302.2.6. ENCLOSED SPACES UNDER DECKS AND PORCHES LOCATED WITHIN 5 FEET**  
7 **OF A PROPERTY LINE.** ENCLOSED SPACES UNDER DECKS AND PORCHES WITH A CLEAR  
8 HEIGHT OF 5 FEET OR MORE AND LOCATED 5 FEET OR LESS FROM A PROPERTY LINE  
9 SHALL HAVE A FIRE RESISTIVE RATING IN ACCORDANCE WITH TABLE R302.1 FOR  
10 EXTERIOR WALLS. THIS PROVISION SHALL NOT APPLY TO THOSE PORTIONS OF A WALL  
11 AT RIGHT ANGLES TO THE PROPERTY LINE.

12 **R309.1 FLOOR SURFACE.** GARAGE FLOOR SURFACES SHALL BE OF APPROVED  
13 NONCOMBUSTIBLE MATERIAL. THE AREA OF FLOOR USED FOR PARKING VEHICLES  
14 SHALL BE SLOPED AT LEAST 1/8 INCH PER FOOT TOWARD A DRAIN OR THE MAIN  
15 VEHICLE ENTRY DOORWAY.

16  
17 **SECTION R310 EMERGENCY ESCAPE AND RESCUE OPENINGS.**

18 **R310.2.2 WINDOW WELL DRAIN REQUIRED.** WINDOW WELLS SHALL BE EQUIPPED WITH  
19 AN APPROVED DRAIN TO PROPERLY COLLECT WATER AND SHALL BE CONNECTED TO A  
20 FOUNDATION DRAINAGE SYSTEM ARRANGED IN ACCORDANCE WITH SECTION R405.

21 **SECTION R311 MEANS OF EGRESS.**

22 **R311.8 RAMPS.**

23 **R311.8.1 MAXIMUM SLOPE.** RAMPS SHALL HAVE A MAXIMUM SLOPE OF ONE UNIT  
24 VERTICAL IN EIGHT UNITS HORIZONTAL (12.5 PERCENT SLOPE).

25 **R312 GUARDS.**

26 **R312.3.1 LADDER EFFECT PROHIBITED.** REQUIRED GUARDS SHALL NOT BE  
27 CONSTRUCTED WITH HORIZONTAL RAILS OR OTHER ORNAMENTAL PATTERN THAT  
28 RESULTS IN A LADDER EFFECT. FOR THE PURPOSE OF THIS SECTION, THE RADIATING  
29 DIAGONAL GUARD DESIGN KNOWN AS CHIPPENDALE DOES NOT CONSTITUTE A  
30 LADDER EFFECT.

31 **SECTION R313.2 ADDITIONAL EXCEPTION: CONDITIONAL WAIVER.** THE  
32 REQUIREMENTS OF SECTION R313.2 MAY BE WAIVED BY THE BUILDING OFFICIAL IF  
33 WATER SERVICE PIPING AND METER VAULTS WERE INSTALLED PRIOR TO JULY 1, 2010  
34 AND BOTH THE DIRECTOR OF THE DEPARTMENT AND THE FIRE CHIEF PROVIDE

1 WRITTEN NOTICE TO THE BUILDING OFFICIAL THAT SUCH REQUIREMENTS WOULD  
2 CAUSE UNREASONABLE HARDSHIP. THIS WAIVER PROVISION DOES NOT APPLY TO AN  
3 INDIVIDUAL LOT SERVED BY WELL WATER.

4 **SECTION R315 CARBON MONOXIDE ALARMS.**

5 **R315.2 WHERE REQUIRED IN EXISTING DWELLINGS.**

6 **EXCEPTION:** NON-ENCLOSED EXTERIOR DECKS.

7 **SECTION R403 FOOTINGS.**

8 **R403.1.4.1 FROST PROTECTION.** EXCEPT WHERE OTHERWISE PROTECTED FROM FROST,  
9 FOUNDATION WALLS, PIERS AND OTHER PERMANENT SUPPORTS OF BUILDINGS AND  
10 STRUCTURES SHALL BE PROTECTED FROM FROST BY ONE OR MORE OF THE FOLLOWING  
11 METHODS:

- 12 1. EXTENDED BELOW THE FROST LINE SPECIFIED IN TABLE R301.2.(1);
- 13 2. CONSTRUCTING IN ACCORDANCE WITH SECTION R403.3;
- 14 3. CONSTRUCTING IN ACCORDANCE WITH ASCE 32; OR
- 15 4. ERECTED ON SOLID ROCK.

16 **EXCEPTION:** FROST PROTECTION OF FREESTANDING ACCESSORY STRUCTURES  
17 WITH AN AREA OF 400 SQUARE FEET OR LESS, OF LIGHT-FRAME CONSTRUCTION,  
18 WITH AN EAVE HEIGHT OF 10 FEET OR LESS SHALL NOT BE REQUIRED.

19 **SECTION R404 SPECIAL RULES FOR FOUNDATION WALLS.**

20 **RULE 1:** ALL FOUNDATION WALLS SHALL MEET THE FOLLOWING REQUIREMENTS:

- 21 A. WALL HEIGHT DOES NOT EXCEED 8 FEET BETWEEN LATERAL SUPPORTS.
- 22 B. THE FINISHED GROUND ADJACENT TO THE WALL SHALL BE GRADED SO  
23 THAT SURFACE WATER DRAINS A WAY FROM THE WALL.
- 24 C. PERMANENT LATERAL SUPPORT SHALL BE PROVIDED AT THE TOP OF THE  
25 WALL PRIOR TO BACKFILLING.

26 **RULE 2:** ALL UNFILLED HOLLOW CORE MASONRY BLOCK WALLS SHALL MEET THE  
27 FOLLOWING REQUIREMENTS.

- 28 A. THE MAXIMUM WALL LENGTH BETWEEN PERPENDICULAR WALLS OR  
29 PILASTERS SHALL NOT EXCEED 3 TIMES THE WALL HEIGHT.
- 30 B. THE BACKFILL SHALL BE COMPOSED OF WELL-DRAINED SOILS IN  
31 ACCORDANCE WITH THE UNIFIED SOIL CLASSIFICATION SYSTEM.
- 32 C. MASONRY SHALL BE LAID IN RUNNING BOND USING TYPE “M” OR “S”  
33 MORTAR.

1 **RULE 3:** FOUNDATION WALLS MAY BE ERECTED IN COMPLIANCE WITH TABLE R404A,  
2 BELOW:

3

4 Table R404A  
5 THICKNESS OF FOUNDATION WALLS AND ALLOWABLE BACKFILL DEPTH

6 Foundation Wall Construction	7 Thickness (Inches)	8 Maximum Depth of Unbalance Backfill (Feet) Below Grade
9 Hollow, UngROUTED	10 8	11 4
12 Masonry Block	13 10	14 5
	15 12	16 6
17 Non-reinforced Concrete	8	7
18 And Grouted Masonry	10	8
Hollow Block	12	8

19 **R404.1.3.1 EXCAVATING BASEMENTS UNDER AN EXISTING STRUCTURE.** THE DESIGN  
20 OF FOUNDATION AND RETAINING WALLS NECESSARY TO EXCAVATE A BASEMENT  
21 UNDER AN EXISTING STRUCTURE SHALL BE DESIGNED AND SEALED BY AN ENGINEER  
22 REGISTERED IN THE STATE OF MARYLAND.

23 **EXCEPTION:** UNDER LIGHT FRAME CONSTRUCTION, WITH A MAXIMUM OF TWO  
24 STORIES, PROFESSIONAL SERVICE MAY BE WAIVED BY THE CODE OFFICIAL WHEN  
25 DESIGNED IN FULL ACCORDANCE WITH APPENDIX **FIGURE 107** STANDARD DESIGN  
26 DIAGRAM FOR “TYPICAL WALL SECTION FOR EXCAVATED BASEMENT”.

27 **SECTION R405 FOUNDATION DRAINAGE.**

28 **R405.1.2 FOUNDATION DRAINS LOCATED INSIDE OF FOOTING ONLY.** WHEN  
29 FOUNDATION DRAINS ARE PROVIDED ONLY ON THE INSIDE OF THE FOOTING,  
30 WEEPHOLES SHALL BE PROVIDED ABOVE THE TOP OF THE FOOTING AND BELOW THE  
31 BOTTOM OF THE FLOOR SLAB UNLESS AN ALTERNATE DESIGN IS CERTIFIED BY AN  
32 ENGINEER AND APPROVED IN WRITING. IN A HOLLOW MASONRY WALL, THE  
33 WEEPHOLES MAY BE CREATED IN THE WALL BY CREATING ½ INCH OPENINGS INTO THE  
34 CORE OF THE BLOCK 16 INCHES ON CENTER IMMEDIATELY ABOVE THE FOOTING, OR IN  
35 A Poured CONCRETE WALL BY CREATING OPENINGS AT LEAST 1 INCH IN DIAMETER  
36 NO MORE THAN 6 FEET ON CENTER WITH A MINIMUM OF 6 INCHES OF GRAVEL AND A  
37 FILTER FABRIC PLACED OVER THE GRAVEL BED TO PROTECT THE BED FROM  
38 CLOGGING. THE SYSTEM SHALL ALSO BE IN ACCORDANCE WITH THE BALTIMORE  
39 COUNTY PLUMBING AND GASFITTING CODE.

1 **SECTION R406 FOUNDATION AND WATERPROOFING AND DAMPPROOFING.**  
2 **R406.1.1 CRAWL SPACE FOUNDATION DRAINAGE.** WHEN CRAWL SPACE FOUNDATIONS  
3 HAVE AT LEAST ONE WALL WHERE THE FINISHED EXTERIOR GRADE IS HIGHER THAN  
4 THE INTERIOR CRAWL SPACE GRADE, FOUNDATION DAMPPROOFING IS REQUIRED AS  
5 DESCRIBED IN SECTION R406.1. IF THE INTERIOR GRADE OF THE CRAWL SPACE IS  
6 LOWER THAN THE EXTERIOR GRADE TILE, A SUMP PUMP OR GRAVITY DRAIN IS  
7 REQUIRED.

8 **SECTION R408 UNDER-FLOOR SPACE.**  
9 **R408.4.1 CRAWL SPACE ACCESS:** IN ORDER TO FACILITATE ACCESS TO THE CRAWL  
10 SPACE AREA A MINIMUM CLEARANCE OF 18 INCHES SHALL BE PROVIDED, MEASURED  
11 FROM THE BOTTOM OF THE FLOOR JOIST TO THE INTERIOR GRADE OF THE CRAWL  
12 SPACE.

13 **SECTION R501.3 FIRE PROTECTION OF FLOORS, EXCEPTION 4:** WOOD FLOOR  
14 ASSEMBLIES USING DIMENSION LUMBER OR STRUCTURAL COMPOSITE LUMBER EQUAL  
15 TO OR GREATER THAN 2-INCH BY 8-INCH NOMINAL DIMENSION, OR OTHER APPROVED  
16 FLOOR ASSEMBLIES DEMONSTRATING EQUIVALENT FIRE PERFORMANCE.

17 **R903.4 ROOF DRAINAGE.**  
18 **R903.4.2 DRAINAGE OF WATER FROM ADJACENT ROOFS.** A SYSTEM FOR THE  
19 COLLECTION AND DISCHARGE OF RAIN WATER FROM A ROOF SHALL BE DESIGNED TO  
20 PREVENT THE COLLECTING AND DISCHARGED OF RAIN WATER OVER A PROPERTY LINE  
21 FROM ADJACENT ROOFS UNLESS THERE IS AN EASEMENT WHICH PROVIDES FOR A  
22 COMBINATION SYSTEM.

23 **SECTION R1003 MASONRY CHIMNEYS.**  
24 **R1003.2.2 MASONRY FIREPLACE/CHIMNEY FOOTINGS.** UNLESS DESIGNED BY A  
25 REGISTERED ENGINEER OR ARCHITECT, FOOTINGS FOR MASONRY CHIMNEYS OR FIRE  
26 PLACES SHALL BE PLACED AT THE SAME ELEVATION AS THE FOUNDATION WALL  
27 FOOTINGS.

28 **PART 400 INTERNATIONAL ENERGY CONSERVATION CODE.** THIS PART SETS FORTH  
29 ADDITIONS AND AMENDMENTS TO AND DELETIONS FROM THE ICC INTERNATIONAL  
30 ENERGY CONSERVATION CODE, 2012 EDITION IN ACCORDANCE WITH SECTION 4 OF THIS  
31 CODE.

32 **PART 401.** THE FOLLOWING CHAPTER SECTIONS OF THE INTERNATIONAL ENERGY  
33 CONSERVATION CODE 2012 EDITION ARE DELETED: C103.1, C107, C108, C109, R103.1, R107,  
34 R108, R109.

1 **SECTION C408 SYSTEM COMMISSIONING.**

2 **SECTION 408.1.1 COMMISSIONING PLAN RESPONSIBILITY.** CONSTRUCTION  
3 DOCUMENTS THAT ARE PREPARED BY OR UNDER THE SUPERVISION OF A PROFESSIONAL  
4 ARCHITECT OR ENGINEER LICENSED BY THE STATE OF MARYLAND, SUCH DESIGN  
5 PROFESSIONAL SHALL BE RESPONSIBLE TO PROVIDE OR CAUSE TO BE PROVIDED ANY  
6 OR ALL COMMISSIONING REPORTS REQUIRED BY SECTION C408. DESIGN PROFESSIONAL  
7 SHALL REVIEW COMMISSIONING REPORTS FOR COMPLIANCE WITH THIS CODE.

8 **SECTION C408.2.5.5 BUILDING OFFICIAL TO RECEIVE COPY OF FINAL**  
9 **COMMISSIONING REPORT.** THE BUILDING OFFICIAL SHALL BE PROVIDED WITH A  
10 WRITTEN CERTIFICATION FROM THE DESIGN PROFESSIONAL ACKNOWLEDGING THAT A  
11 COPY OF THE FINAL COMMISSION REPORT HAS BEEN GIVEN TO THE BUILDING OWNER  
12 PRIOR TO FINAL OCCUPANCY APPROVAL BY THE BUILDING OFFICIAL. SECTION 5.

13 **SECTION 5. AND BE IT FURTHER ENACTED,** THAT OF SECTION §21-7-202(b)(2)  
14 OF TITLE 7 ELECTRICIANS, OF ARTICLE 21, PERMITS, LICENSES AND BUSINESS  
15 REGULATION OF THE BALTIMORE COUNTY CODE, 2003, AS AMENDED, IS HEREBY  
16 REPEALED AND REENACTED TO READ AS FOLLOWS:

17 SEC. 21-7-202

18 (b) Exceptions – In general. This section does not apply to:

19 (2) An individual making minor repairs and replacements to existing wiring or equipment in the  
20 individual's own home EXCEPT FOR REPAIRS INVOLVING ALUMINUM WIRING OR SOLAR  
21 PHOTOVOLTAIC SYSTEMS WHICH MUST BE MADE UNDER THE SUPERVISION OF A  
22 LICENSED ELECTRICIAN.

23 **SECTION 6. AND BE IT FURTHER ENACTED,** that this Act, having been passed by the  
24 affirmative vote of five members of the County Council, shall take effect on July 1, 2012.

## **Baltimore County Building Codes**

<b><u>Codes</u></b>	<b><u>1 &amp; 2 Family Dwelling Codes</u></b>	<b><u>Bill</u></b>	<b><u>Effective</u></b>
2012 IBC	2012 IRC	40-12	7/1/2012
2009 IBC	2009 IRC	47-10	7/1/2010
2006 IBC	2006 IRC	49-07	7/15/2007
2003 IBC	2003 IRC	1-05	3/27/2005
2000 IBC	2000 IRC	78-01	11/23/2001
1996 BOCA	1996 CABO	34-97	6/6/1997
1993 BOCA	1992 CABO	167-93	1/27/1994
1990 BOCA	1989 CABO	192-90	1/13/1991
1987 BOCA	1986 CABO	158-88	1/29/1989
1984 BOCA	1983 CABO	17-85	4/22/1985
1981 BOCA	1979 One and Two Family Dwelling Code – 3 <sup>rd</sup> Edition	4-82	3/26/1982
1978 BOCA	1975 One and Two Family Dwelling Code – 2 <sup>nd</sup> Edition	199-79	3/1/1980
1970 BOCA, with 1971 Cumulative Supplement		33-72	6/19/1972
Baltimore County Building Code (Adopted Nov. 15, 1956)		Resolution	12/1/1956
Building Regulations		Resolution	3/6/1946

# RESIDENTIAL ENERGY EFFICIENCY CERTIFICATE OF COMPLIANCE

IECC 2012 - ZONE 4A

STREET ADDRESS

PERMIT #

THIS COMPLETED CERTIFICATE, OR ITS EQUIVALENT, MUST BE PERMANENTLY POSTED ON OR IN THE ELECTRICAL PANEL, PER IECC 2012 SECTION 401.3.

WHERE THERE IS MORE THAN ONE VALUE FOR EACH COMPONENT, THE CERTIFICATE SHALL LIST THE VALUE COVERING THE LARGEST AREA. AN AREA-WEIGHTED AVERAGE OF FENESTRATION PRODUCTS SHALL BE PERMITTED TO SATISFY THE U-FACTOR REQUIREMENTS.

COMPONENT	MINIMUM (Prescriptive) R-VALUE REQUIRED	R-VALUE PROVIDED	COMMENTS
CEILING/ROOF	49 <sup>1</sup>		
WALLS	20 or 13+5		
BASEMENT WALLS	10/13 <sup>2</sup>		
SLAB	10 at 2 ft		
CRAWL SPACE: WALL	10/13 <sup>2</sup>		
FLOOR OVER UNCONDITIONED SPACE	19		
SUPPLY DUCTS IN ATTIC	8 <sup>3</sup>		ALL OTHER DUCTS R-6 <sup>3</sup>

<sup>1</sup> R-38 PERMITTED IF EXTENDS UNCOMPRESSED OVER THE WALL TOP PLATE AT THE EAVES. (SECTION 402.2.1)  
<sup>2</sup> THE FIRST VALUE APPLIES TO CONTINUOUS INSULATION; THE SECOND TO FRAMING CAVITY INSULATION.  
<sup>3</sup> EXCEPTION: DUCTS OR PORTIONS LOCATED COMPLETELY INSIDE BUILDING THERMAL ENVELOPE.

COMPONENT	MAXIMUM U-FACTOR PERMITTED	U-FACTOR PROVIDED	COMMENTS
FENESTRATION	0.35		
SKYLIGHTS	0.55		
GLAZED FENESTRATION SHGC:	0.40		

MECHANICAL	TYPE & SIZE	HEATING EFFICIENCY	COOLING EFFICIENCY
HVAC UNIT #1			
HVAC UNIT #2			
WATER HEATER #1			
WATER HEATER #2			

R402.4.1.2 BUILDING ENVELOPE AIR LEAKAGE NOT TO EXCEED 3 AIR CHANGES PER HOUR PASS  
R403.2.2 DUCT TESTED AIR LEAKAGE NOT TO EXCEED 4 CFM PER 100 SQUARE FEET PASS

MECHANICAL CONTRACTOR \_\_\_\_\_ SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_ License Number \_\_\_\_\_

I CERTIFY THAT THE INFORMATION PROVIDED ABOVE IS TRUE AND COMPLETE:

BUILDING CONTRACTOR \_\_\_\_\_ SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_ License Number \_\_\_\_\_

## 2012 INTERNATIONAL ENERGY CONSERVATION CODE

COMPONENT	PRESCRIPTIVE/DESIGN REFERENCE	PROPOSED DESIGN
SUNROOM GLASS WITH THERMAL ISOLATION	MAX U FACTOR 0.45 SECTION R402.3.5	
AIR LEAKAGES (MANDATORY)	ALL CRACKS AND PENETRATIONS SHALL BE CAULKED, GASKETED, WEATHERSTRIPPED COMPLYING SECTION R402.4 OF IECC 2012	
FIRE PLACES(WOOD) SECTION R402.4.2 & TABLE R402.4.1.1	SHALL HAVE GASKETED DOORS, TIGHT FITTING FLUE DAMPERS AND OUTSIDE COMBUSTION AIR	
WATER HEATER	MINIMUM EFFICIENCY ESTABLISHED BY NAECA	
POOL HEATERS	COMPLY WITH SECTION R403.9 OF IECC 2012.	
THERMOSTATS	AT LEAST ONE THERMOSTAT SHALL BE PROVIDED FOR EACH SEPARATE HEATING AND COOLING SYSTEM. SECTION R403.1 OF IECC 2012.	
PROGRAMMABLE THERMOSTAT	WHERE THE PRIMARY HEATING SYSTEM IS A FORCED-AIR FURNACE, AT LEAST ONE PROGRAMMABLE THERMOSTAT IN COMPLIANCE WITH SECTION R403.1.1 SHALL BE PROVIDED PER DWELLING UNIT.	
HEAT PUMP WITH SUPPLEMENTARY ELECTRIC-RESISTANCE HEAT SECTION R403.1.2	THERMOSTAT SHALL PREVENT SUPPLEMENTARY HEAT FROM COMING ON WHEN HEAT PUMP CAN MEET HEATING LOAD.	
DUCT SEALING	ALL DUCTS, AIR HANDLERS, FILTER BOXES SHALL BE SEALED.	
DUCT TIGHTNESS NON-CONDITION SPACES	SHALL BE VERIFIED BY EITHER POST CONSTRUCTION TEST OR ROUGH-IN-TEST. SECTION R403.2.	
AIR SEALING INSULATION TEST – BUILDING THERMAL ENVELOPE	AIR LEAKAGE TEST REQUIRED NOT TO EXCEED 3 AIR CHANGES PER HOUR, SECTION R402.4.1.2.	
RECESSED LIGHTING	SHALL BE SEALED TO LIMIT AIR LEAKAGE BETWEEN CONDITION AND NON-CONDITION SPACES.	
LIGHTING EQUIPMENT SECTION R404.1	A MINIMUM OF 75% LAMPS IN PERMANENTLY INSTALLED LIGHTING FIXTURES SHALL HAVE HIGH EFFICACY LAMPS.	
EAVE BAFFLE SECTION R402.2.3	MUST MAINTAIN OPENING EQUAL OR GREATER THEN SIZE OF VENT.	

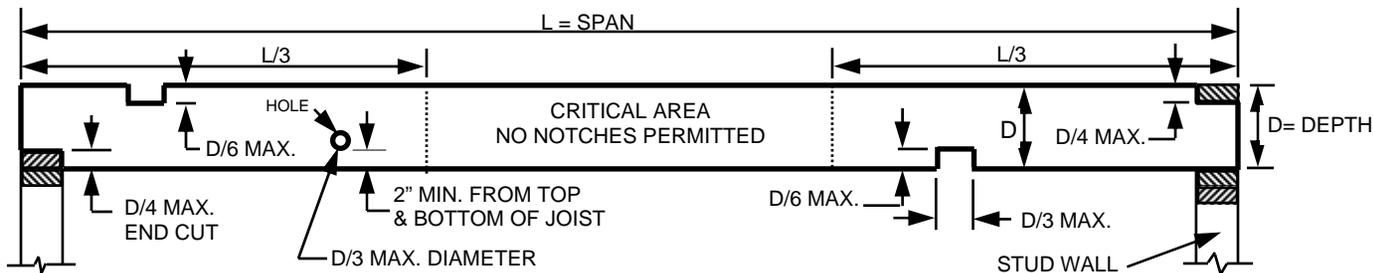
IECC: INTERNATIONAL ENERGY CONSERVATION CODE – 2012 EDITION  
 NAECA: NATIONAL APPLIANCE ENERGY CONSERVATION CODE

SPECIES & GRADE. GRADING RULE APPLY	JOIST SIZES	<i>Fb</i> Bending Stress	<i>E</i> Modulus Of Elas.	40 lbs. PER SQ. FT. LIVE LOAD ALL ROOMS EXCEPT SLEEPING AREAS.			30 lbs. PER SQ. FT. LIVE LOAD ALL ROOMS USED FOR SLEEPING AREAS.		
				12" O.C.	16" O.C.	24" O.C.	12" O.C.	16" O.C.	24" O.C.
SOUTHERN PINE #1  SPIB	2 x 6	1900	1.7	10'- 11"	9'- 11"	8'- 8"	12'- 0"	10'- 11"	9'- 7"
	2 x 8	1725	1.7	14'- 5"	13'- 1"	11'- 5"	15'- 10"	14'- 5"	12'- 7"
	2 x 10	1495	1.7	18'- 5"	16'- 9"	14'- 7"	20'- 3"	18'- 5"	16'- 1"
	2 x 12	1440	1.7	22'- 5"	20'- 4"	17'- 5"	24'- 8"	22'- 5"	19'- 6"
SOUTHERN PINE #2  SPIB	2 x 6	1440	1.6	10'- 9"	9'- 9"	8'- 6"	11'- 10"	10'- 9"	9'- 4"
	2 x 8	1380	1.6	14'- 2"	12'- 10"	11'- 0"	15'- 7"	14'- 2"	12'- 4"
	2 x 10	1210	1.6	18'- 0"	16'- 1"	13'- 1"	19'- 10"	18'- 0"	14'- 8"
	2 x 12	1120	1.6	21'- 9"	18'- 10"	15'- 5"	24'- 2"	21'- 1"	17'- 2"
DOUGLAS FIR-LARCH #1  WCLIB/WWPA	2 x 6	1495	1.7	10'- 11"	9'- 11"	8'- 8"	12'- 0"	10'- 11"	9'- 7"
	2 x 8	1380	1.7	14'- 5"	13'- 1"	11'- 0"	15'- 10"	14'- 5"	12'- 4"
	2 x 10	1265	1.7	18'- 5"	16'- 5"	13'- 5"	20'- 3"	18'- 5"	15'- 0"
	2 x 12	1150	1.7	22'- 0"	19'- 1"	15'- 7"	24'- 8"	21'- 4"	17'- 5"
DOUGLAS FIR-LARCH #2  WCLIB/WWPA	2 x 6	1345	1.6	10'- 9"	9'- 9"	8'- 1"	11'- 10"	10'- 9"	9'- 1"
	2 x 8	1240	1.6	14'- 2"	12'- 7"	10'- 3"	15'- 7"	14'- 1"	11'- 6"
	2 x 10	1140	1.6	17'- 9"	15'- 5"	12'- 7"	19'- 10"	17'- 2"	14'- 1"
	2 x 12	1035	1.6	20'- 7"	17'- 10"	14'- 7"	23'- 0"	19'- 11"	16'- 3"
HEM-FIR #1  WCLIB/WWPA	2 x 6	1460	1.5	10'- 6"	9'- 6"	8'- 4"	11'- 7"	10'- 6"	9'- 2"
	2 x 8	1345	1.5	13'- 10"	12'- 7"	10'- 9"	15'- 3"	13'- 10"	12'- 0"
	2 x 10	1235	1.5	17'- 8"	16'- 0"	13'- 1"	19'- 5"	17'- 8"	14'- 8"
	2 x 12	1120	1.5	21'- 6"	18'- 7"	15'- 2"	23'- 7"	20'- 9"	17'- 0"

	<b>PERMITS APPROVALS AND INSPECTIONS</b>	<b>BALTIMORE COUNTY BUILDING CODE</b>  <b>MAXIMUM ALLOWABLE JOISTS SPANS FOR GRADES &amp; SIZES OF SPECIES</b>	REVISIONS: 6-25-2012 _____ _____
			DRAWN BY JOS VENTURINA

SPECIES & GRADE. GRADING RULE APPLY	JOIST SIZES	<i>F</i> Bending Stress	<i>E</i> Modulus Of Elas.	40 lbs. PER SQ. FT. LIVE LOAD ALL ROOMS EXCEPT SLEEPING AREAS.			30 lbs. PER SQ. FT. LIVE LOAD ALL ROOMS USED FOR SLEEPING AREAS.		
				12" O.C.	16" O.C.	24" O.C.	12" O.C.	16" O.C.	24" O.C.
HEM-FIR #2	2 x 6	1270	1.2	10'- 0"	9'- 1"	7'- 11"	11'- 0"	10'- 0"	8'- 9"
	2 x 8	1175	1.2	13'- 2"	12'- 0"	10'- 2"	14'- 6"	13'- 2"	11'- 4"
	2 x 10	1075	1.3	16'- 10"	15'- 2"	12'- 5"	18'- 6"	16'- 10"	13'- 10"
WCLIB/WWPA	2 x 12	980	1.3	20'- 4"	17'- 7"	14'- 4"	22'- 6"	19'- 8"	16'- 1"
SPRUCE PINE-FIR #1 & #2	2 x 6	1310	1.4	10'- 3"	9'- 4"	8'- 1"	11'- 3"	10'- 3"	8'- 11"
	2 x 8	1210	1.4	13'- 6"	12'- 3"	10'- 3"	14'- 11"	13'- 6"	11'- 6"
	2 x 10	1105	1.4	17'- 3"	15'- 5"	12'- 7"	19'- 0"	17'- 2"	14'- 1"
NLGA	2 x 12	1005	1.4	20'- 7"	17'- 10"	14'- 7"	23'- 0"	19'- 11"	16'- 3"

For other grades and species and for other loading condition, refer to the American Forest and Paper Association Span Tables for Joists and Rafters.



DRILLING & NOTCHING  
LIMITATIONS ON  
FLOOR JOIST.



PERMITS APPROVALS AND  
INSPECTIONS

BALTIMORE COUNTY BUILDING CODE  
**MAXIMUM ALLOWABLE JOISTS SPANS  
FOR GRADES & SIZES OF SPECIES**

REVISIONS:  
25-2012 \_\_\_\_\_

DRAWN BY: IA



# DECK CONSTRUCTION GUIDELINES

**Kevin Kamenetz,**  
County Executive

**Arnold Jablon,**  
Director, PAI

## **Important Points:**

- 1. Attaching the deck-** Unless the deck is independently supported, the attachment to the house is of critical importance. The ledger board must be attached to an adequate support using bolts. Nails alone will not do the job; they tend to work loose over time. *Most deck failures are the result of faulty support of the ledger board.* This is relatively cheap and easy to do right, but can be fatal if you do it wrong. When there is no adequate attachment base available, the deck must be supported independently of the house. Where positive connection to the primary building structure cannot be verified during inspection, decks shall be self-supporting.
- 2. Hardware-** Nails, screws and bolts aren't very glamorous, but they are what hold the deck together. Since the beginning of 2004, pressure treated wood has contained a new chemical preservative mixture called ACQ. This new mixture, formulated to eliminate the use of arsenic, is corrosive to steel and aluminum. The old style deck nails and galvanized bolts won't do any more. The new preservative can destroy the old style fasteners in just a few years. *Only triple dip galvanized, stainless steel, or other approved fasteners are safe to use.*
- 3. Cross bracing-** When a deck is more than a few feet off of the ground, it can feel "wobbly" when someone walks on it. In addition to feeling uncomfortable, this motion can loosen connections and lead to deck failure. For this reason, Baltimore County requires cross bracing for any deck over five feet high.
- 4. Unusual designs-** If your deck layout and design is not covered by the information on the drawings, contact building inspection at 410-887-3953 before starting any work. Be aware that some complex cases may require a professional design.
- 5. Railings, footings, etc.-** These and other details of the deck can make the difference between a good job and a disaster. Please read the requirements carefully and make both yourself and the inspector smile!
- 6. Outdoor electrical receptacle-** required when construction of deck requires electrical modifications.

## **New Wood Preservative:**

Baltimore County is blessed with a diverse environment rich in natural resources, including shoreline along the Chesapeake Bay. We are committed to preserving and protecting these resources that enhance the lives of our citizens. New building materials are safer for the environment.

Pressure treated wood protects against rot, insects, and decay. For many years, Chromated Copper Arsenate (CCA) has been the chief chemical compound used to treat wood for outdoor use, but environmental concerns about arsenic have led to a gradual withdrawal of this type of treated wood. No more has been produced since December 31, 2003. Today's copper-based preservatives are just as effective, but environmentally safe for long term outdoor applications. The disadvantage of using copper based preservative is its corrosiveness to ordinary metal fasteners. This can be avoided by using high quality corrosion resistant nails, screws, hangers, etc (See item 2). For more information, call building inspection at 410-887-3953. Let's make the environment safe for future generations.

**WARNING:** DO NOT ATTACH DECK LEDGER TO OVERHANGING FLOOR SYSTEM. CONSULT BUILDING INSPECTOR @ 410-887-3953 FROM 7:30 - 8:00 AM.

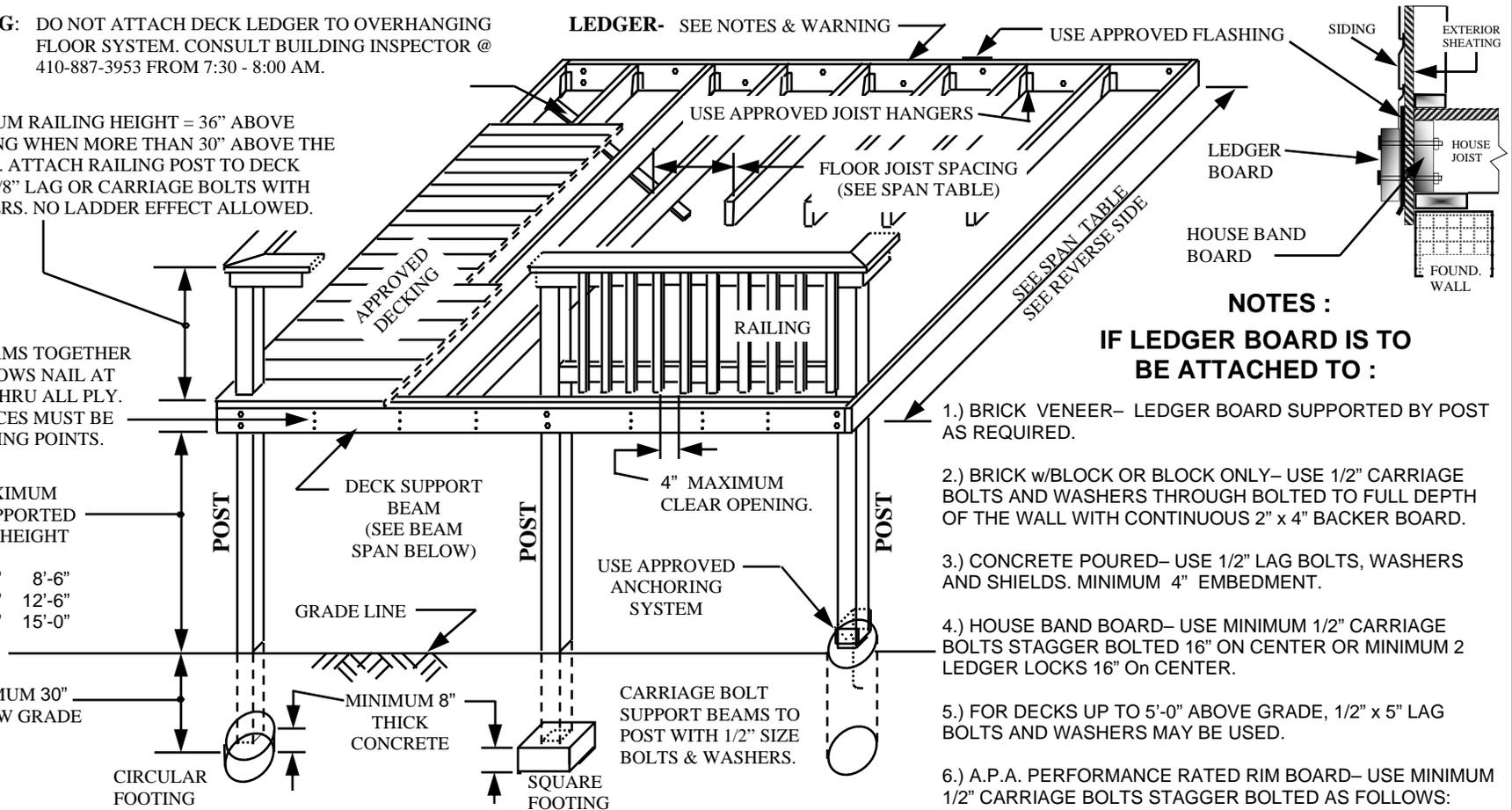
MINIMUM RAILING HEIGHT = 36" ABOVE DECKING WHEN MORE THAN 30" ABOVE THE GRADE. ATTACH RAILING POST TO DECK WITH 3/8" LAG OR CARRIAGE BOLTS WITH WASHERS. NO LADDER EFFECT ALLOWED.

NAIL BEAMS TOGETHER WITH 3 ROWS NAIL AT 24" O.C. THRU ALL PLY. ALL SPLICES MUST BE ON BEARING POINTS.

MAXIMUM UNSUPPORTED POST HEIGHT

4" x 4" 8'-6"  
6" x 6" 12'-6"  
8" x 8" 15'-0"

MINIMUM 30" BELOW GRADE



**NOTES :**  
**IF LEDGER BOARD IS TO BE ATTACHED TO :**

- 1.) BRICK VENEER- LEDGER BOARD SUPPORTED BY POST AS REQUIRED.
- 2.) BRICK w/BLOCK OR BLOCK ONLY- USE 1/2" CARRIAGE BOLTS AND WASHERS THROUGH BOLTED TO FULL DEPTH OF THE WALL WITH CONTINUOUS 2" x 4" BACKER BOARD.
- 3.) CONCRETE POURED- USE 1/2" LAG BOLTS, WASHERS AND SHIELDS. MINIMUM 4" EMBEDMENT.
- 4.) HOUSE BAND BOARD- USE MINIMUM 1/2" CARRIAGE BOLTS STAGGER BOLTED 16" ON CENTER OR MINIMUM 2 LEDGER LOCKS 16" ON CENTER.
- 5.) FOR DECKS UP TO 5'-0" ABOVE GRADE, 1/2" x 5" LAG BOLTS AND WASHERS MAY BE USED.
- 6.) A.P.A. PERFORMANCE RATED RIM BOARD- USE MINIMUM 1/2" CARRIAGE BOLTS STAGGER BOLTED AS FOLLOWS:
 

UP TO 12 FT. SPAN	18" ON CENTER
13 FT. - 15 FT. SPAN	12" ON CENTER
GREATER THAN 16 FT. SPAN	9" ON CENTER
- 7.) PROVIDE A CONTINUOUS 1" x 4" (MINIMUM) DIAGONAL BRACING TO THE UNDERSIDE OF DECK JOISTS FOR DECKS OVER 5'-0" ABOVE NATURAL GRADE.

BEAM SPAN* (FOR 12 FT. JOIST SPAN)	FOOTING SIZE:	
2 - 2" x 8"	MAX. SPAN = 8' - 0"	15" DIA. OR 13" SQ.
3 - 2" x 8"	MAX. SPAN = 10' - 0"	17" DIA. OR 15" SQ.
2 - 2" x 10"	MAX. SPAN = 9' - 10"	17" DIA. OR 15" SQ.
3 - 2" x 10"	MAX. SPAN = 12' - 0"	18" DIA. OR 16" SQ.
2 - 2" x 12"	MAX. SPAN = 11' - 6"	18" DIA. OR 16" SQ.
3 - 2" x 12"	MAX. SPAN = 14' - 0"	19" DIA. OR 17" SQ.
4 - 2" x 12"	MAX. SPAN = 16' - 0"	23" DIA. OR 20" SQ.

\* BEAM SPAN BASED ON 10 POUND PER SQ. FT. DEAD LOAD

**ALL NAILS, BOLTS & HANGERS MUST BE HOT DIP GALVANIZED, STAINLESS STEEL OR TRIPLE COATED ZINC POLYMER MATERIAL.**

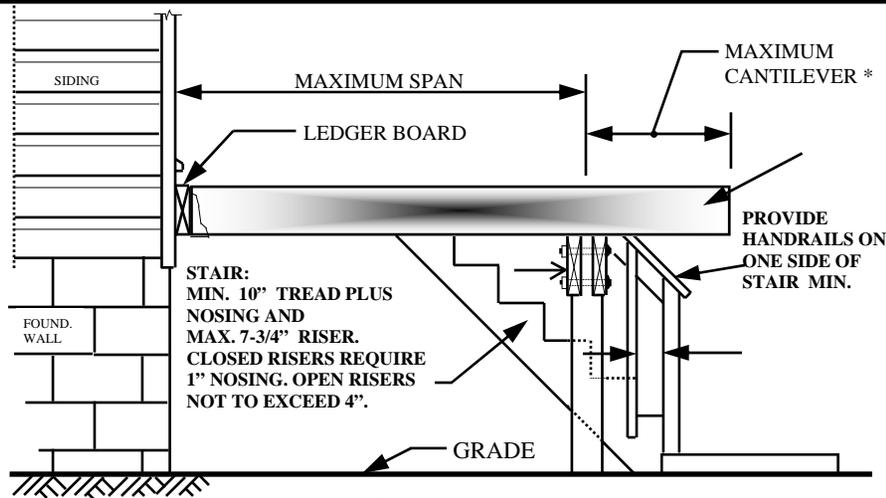


**PERMITS APPROVALS AND INSPECTIONS**

**BALTIMORE COUNTY BUILDING CODE**  
**OUTSIDE DECK**  
**CONSTRUCTION DETAILS**  
FOR ACQ PRESSURE TREATED WOODS

REVISIONS:

\_\_\_\_\_



**DECK**

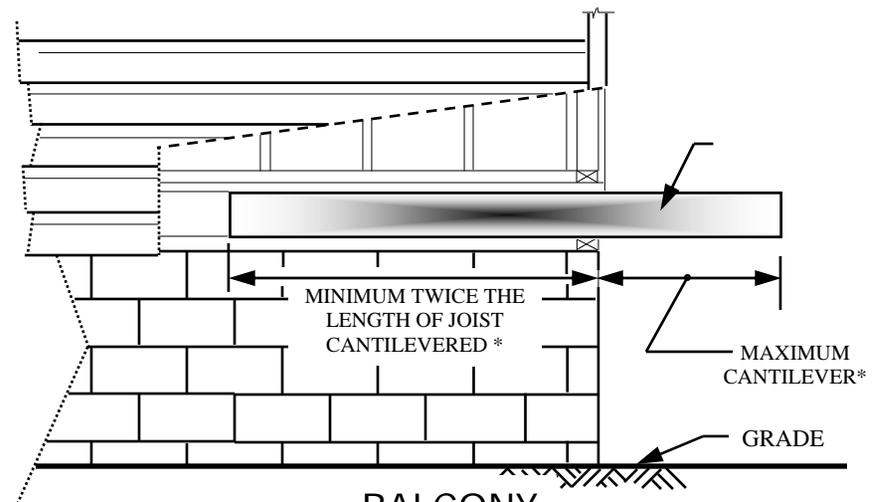
**SUPPORTED BY HOUSE ON ONE SIDE AND BY POSTS AND BEAM ON THE OTHER.**

40 psf LIVE LOAD ON SUPPORTED SECTION OF JOIST.  
60 psf LIVE LOAD ON CANTILEVER.

FOR MAXIMUM CANTILEVER, USE SPAN SHOWN IN BALCONY CHART.

**SPAN TABLE - DECK JOISTS (PRESSURE TREATED SOUTHERN PINE # 2)**

JOIST SIZE	SPACING	MAXIMUM SPAN
<b>2" x 6"</b>	12" ON CENTER	10' - 9"
	16" ON CENTER	9' - 9"
	24" ON CENTER	8' - 6"
<b>2" x 8"</b>	12" ON CENTER	14' - 2"
	16" ON CENTER	12' - 10"
	24" ON CENTER	11' - 0"
<b>2" x 10"</b>	12" ON CENTER	18' - 0"
	16" ON CENTER	16' - 1"
	24" ON CENTER	13' - 11"
<b>2" x 12"</b>	12" ON CENTER	21' - 9"
	16" ON CENTER	18' - 10"
	24" ON CENTER	15' - 5"



**BALCONY**

**PROJECTING FROM AND SUPPORTED BY HOUSE WITH NO OTHER SUPPORTS.**

60 psf LIVE LOAD

\* FOR EVERY FOOT OF JOIST CANTILEVERED PAST THE WALL (OR PAST THE DECK BEAM), THERE MUST BE AT LEAST **2 FEET** OF JOIST BEHIND THE WALL OR BEAM.

**SPAN TABLE\* - BALCONY JOISTS & CANTILEVER ON DECK JOISTS (PRESSURE TREATED S. YELLOW PINE # 2)**

JOIST SIZE	SPACING	MAXIMUM CANTILEVER
<b>2" x 8"</b>	12" ON CENTER	3' - 6"
	16" ON CENTER	3' - 0"
<b>2" x 10"</b>	12" ON CENTER	5' - 1"
	16" ON CENTER	4' - 5"
	24" ON CENTER	3' - 7"
<b>2" x 12"</b>	16" ON CENTER	6' - 0"
	24" ON CENTER	4' - 10"

\*SPANS ARE BASED ON IRC TABLE R502.3.3.(2) FOR NO. 2 GRADE LUMBER OF DOUGLAS FIR—LARCH, HEM-FIR, SOUTHERN PINE AND SPRUCE-PINE-FUR FOR REPETITIVE MEMBERS.

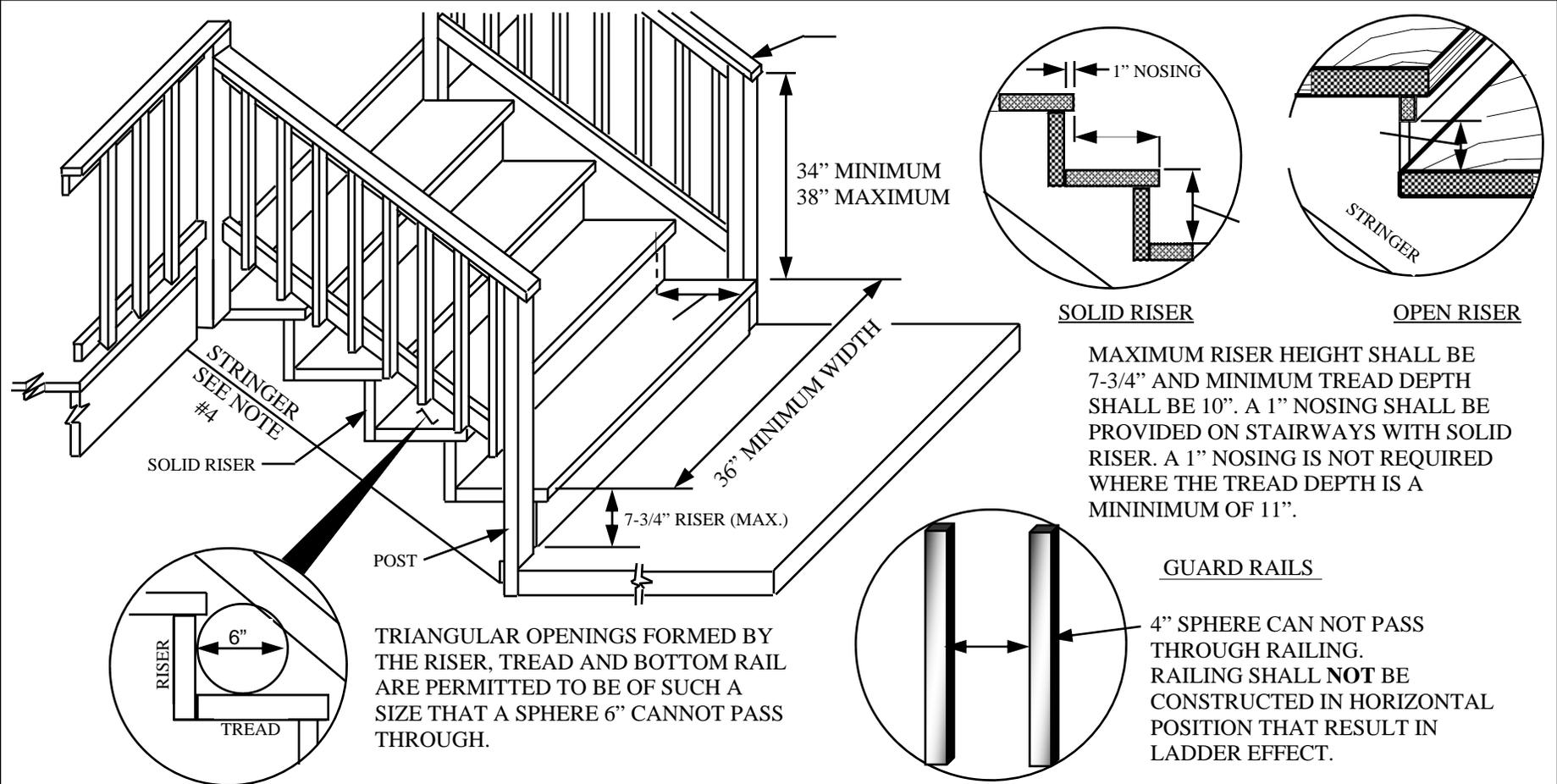


**PERMITS APPROVALS AND INSPECTIONS**

**BALTIMORE COUNTY BUILDING CODE  
DECK AND BALCONY  
CONSTRUCTION DETAILS  
FOR ACQ PRESSURE TREATED WOODS**

REVISION

7-1-12



**NOTES :**

1. One (1) handrail is required for 4 or more risers.
2. Two (2) guardrails are required for tread surfaces more than 30" above grade, minimum one (1) handrail.
3. All risers heights shall be equal.
4. 2" x \_ treads, stringer's maximum spacing= 3'-0"; 5/8" x \_ tread, stringer's maximum spacing= 2'-0". Trex and other engineered materials= follows manufacturer's recommendation.

**SECTION 310.5 EMERGENCY ESCAPE WINDOWS**  
**UNDER DECKS**

EMERGENCY ESCAPE WINDOWS ARE ALLOWED TO BE INSTALLED UNDER DECKS AND PORCHES PROVIDED THE LOCATION OF THE DECK ALLOWS THE EMERGENCY ESCAPE WINDOWS TO BE FULLY OPENED AND PROVIDES A PATH NOT LESS THAN 36" IN HEIGHT TO A YARD OR COURT.



**PERMITS APPROVALS AND INSPECTIONS**

**BALTIMORE COUNTY BUILDING CODE**

**OUTSIDE DECK  
STAIR DETAILS**

REVISION

\_\_\_\_\_

## **RADON ABATEMENT REQUIREMENTS IN BALTIMORE COUNTY**

### **2012 INTERNATIONAL RESIDENTIAL CODE**

#### **APPENDIX F**

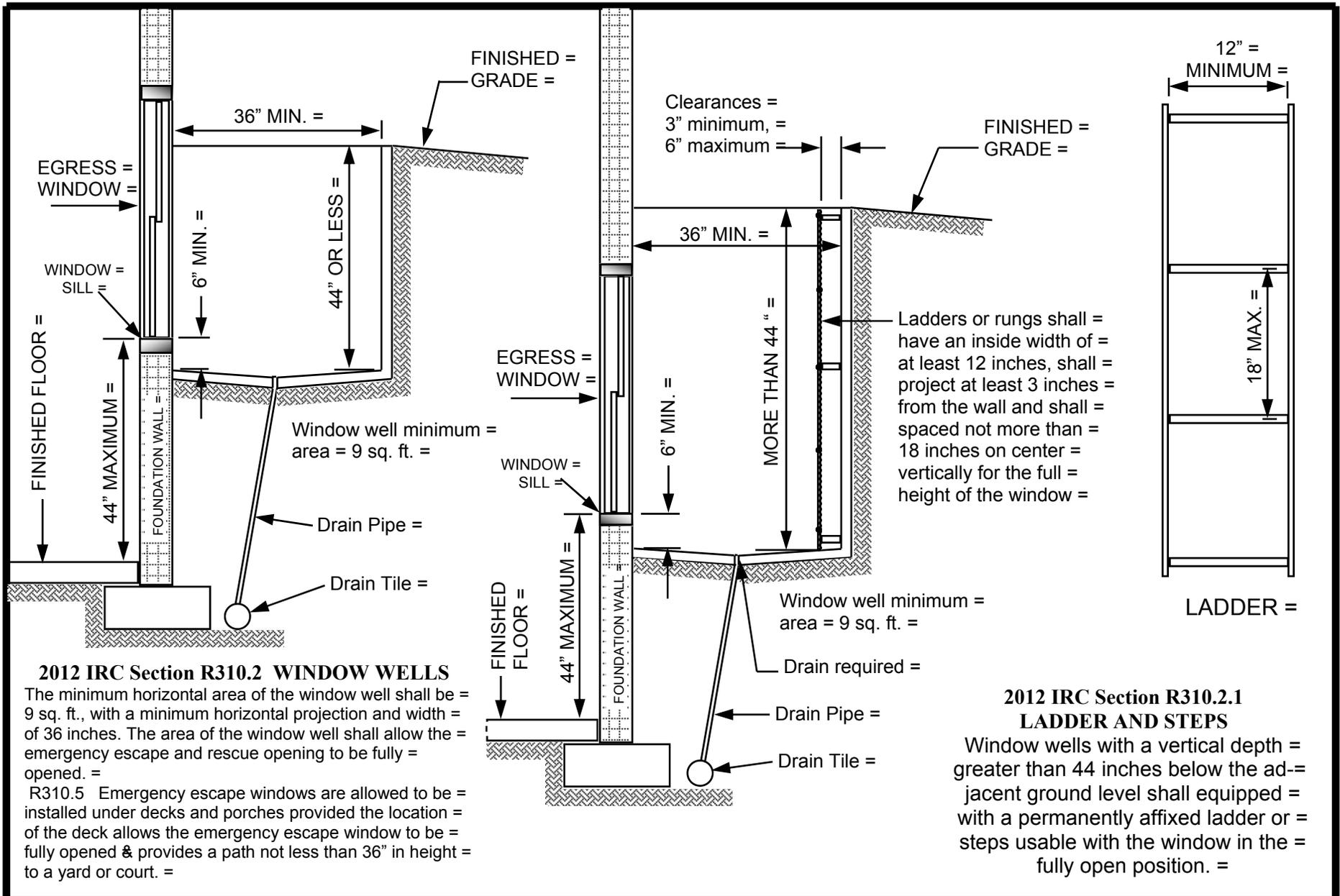
Radon is an odorless, colorless, radioactive gas that is produced from the decay of radium in soil, and can leak into basements. In sufficient concentrations over an extended period of time, the radioactive aspect of the gas could be dangerous to human health. For this reason, the building code requires the abatement measures in all areas of moderate to heavy Radon potential.

Like most counties in Maryland, Baltimore County is rated as a high Radon potential area according to EPA maps. For this reason, Radon abatement is currently required on all new dwellings built in Baltimore County. These measures will be checked as part of the inspection process, although no additional inspections are required.

Radon abatement requirements for the basement of a new dwelling are found in International Residential Code. These requirements consist of the following basic components:

1. Four inches of gravel or sand, and a 6 mil membrane under the floor slab.
2. Sealed floor openings and a sealed cover over the sump pit.
3. A three inch vent running vertically from a tee fitting beneath the membrane to 12" above the roof, in a location at least 10 feet away from any window or other opening into the conditioned spaces of the building that is less than 2 feet below the exhaust point, and 10 feet from any window or other opening in adjoining or adjacent building.
4. An electrical circuit terminating in a box in the attic or other approved location to allow for future installation of a vent pipe fan. The fan itself is not required.

Any questions may be directed to 410-887-3987 or 410-887-3953



**PERMITS, APPROVAL AND INSPECTIONS**

PDM FORM: PR005 =

**BALTIMORE COUNTY BUILDING CODE  
 EMERGENCY ESCAPE**

# WINDOW WELLS

REVISION

7-1-2012 =

BALTIMORE COUNTY  
DEPARTMENT OF PERMITS, APPROVALS AND INSPECTIONS

## PLAN REVIEW DATA SHEET

2012 International Building Code  
BASIC DESIGN INFORMATION

Date \_\_\_\_\_ Permit No. \_\_\_\_\_

Building Address \_\_\_\_\_

IBC Use Group(s) \_\_\_\_\_ IBC Const Type \_\_\_\_\_ NFPA Occ Class \_\_\_\_\_

Sprinkler System- ( ) Exists; ( ) Proposed; ( ) Complete; ( ) Partial; ( ) None  
Design- ( ) NFPA 13; ( ) NFPA 13R; ( ) NFPA 13D

NOTE: NFPA 13-R limited to maximum 4 stories, including basement per Fire Code.

(Table 503) Allowable Building Height/Stories: \_\_\_\_\_ Stories \_\_\_\_\_ Feet

IBC basic tabular area ( $A_t$ ) (IBC Table 503) = \_\_\_\_\_ sf

Actual Number of Height/Stories: \_\_\_\_\_ Stories \_\_\_\_\_ Feet

Total Building Area All Floors \_\_\_\_\_ sf Area of Largest Floor \_\_\_\_\_ sf  
May not exceed  $A_a$

( ) Unlimited Area Building; ( ) Mixed Uses- ( ) separated ( ) non-separated (Section 508)  
(Section 507)

### GENERAL BUILDING LIMITATIONS (Chapters 5 & 6)

#### AREA MODIFICATION TO TABLE 503 (Section 506)

Allowable tabular area (Table 503) ( $A_t$ ) \_\_\_\_\_ sf

Area increase for frontage (506.2) ( $I_f$ ) + \_\_\_\_\_ sf

Increase for automatic ( $I_s$ )  
sprinklers (506.3) + \_\_\_\_\_ sf

$A_a$  Total = \_\_\_\_\_ sf

$I_s = 300\%$  1 story

$I_s = 200\%$  Multi story

$I_s$  For NFPA 13R =  $A_a \times$  [# of Stories]

$A_a = A_t + \frac{A_t I_f}{100} + \frac{A_t I_s}{100} =$  \_\_\_\_\_ sf

(506.2.1) min. width frontage 20ft

Frontage ( $I_f$ )  
(506.2)

_____	_____	_____	_____
North	East	South	West

Total Frontage (F) \_\_\_\_\_ ft Total Perimeter (P) \_\_\_\_\_ ft

Minimum width open space (W) = \_\_\_\_\_

% Tab. Area increase ( $I_f$ ) = \_\_\_\_\_

(506.2)  $(I_f) = 100 \left[ \frac{F}{P} - 0.25 \right] \frac{W}{30}$  Note: W/30 cannot exceed 1 (Exception)

Allowed area per floor =  $A_a$  \_\_\_\_\_ sf

Allowed total building area

Of all floors combined =  $A_a$  \_\_\_\_\_ sf x \_\_\_\_\_ Stories = \_\_\_\_\_ sf

Maximum aggregate building area of 3 or more stories is  $A_a$  (3). (Section 506.4)

With no story  $> A_a$  (Section 506.4 - Exceptions)

Single basement floor does not contribute to building area, provided it does not exceed area permitted for one-story building (506.4)

**DESIGN PROFESSIONAL (IBC SECTION 107.3.4)  
ARCHITECT/ENGINEER CERTIFICATION**

Date \_\_\_\_\_

Permit No. \_\_\_\_\_

Building Address \_\_\_\_\_

I hereby certify under the penalties of perjury and upon personal knowledge (1) that the construction plans and specifications for this permit application were prepared under my supervision and the information thereon complies with the provisions of the Baltimore County building and fire codes, (2) that the site and construction plans submitted are in accordance with any Final Development Plan for this site, as well as any approved Zoning Hearing Plans & (3) if checked, I agree to provide the construction services set out below.

Print Name \_\_\_\_\_ Address \_\_\_\_\_

Signature \_\_\_\_\_ Address \_\_\_\_\_

Phone No. \_\_\_\_\_

License Registration No. \_\_\_\_\_ SEAL

---

**PROFESSIONAL SERVICES DURING CONSTRUCTION**

( ) I have been engaged to provide or cause to be provided necessary professional services during construction. In compliance with Chapter 17, Section 110.3.7 and 110.3.8 of the International Building Code, these services include:

1. Periodic observation of foundations and structural members, including reinforcing, concrete, and steel.
2. Review of testing agency reports on soil conditions, concrete strength, structural materials, and methods, etc.
3. Periodic observations of means of egress, stairs, exit doors, hardware, and corridor construction.
4. Periodic observation of the construction and materials of fire rated assemblies.
5. Seismic resistance when required by Section 1705.3 IBC.
- 6. Compliance with International Energy Conservation Code.** Including commissioning and energy compliance certificates provided to building inspection.

( ) I request that the requirement to provide professional services during construction be **WAIVED**. I agree to provide consultation when required if any unusual concerns arise during construction or when the county requests my opinion. Compliance with item 6 (**Energy**) is mandatory.

.....  
COUNTY USE ONLY – Professional Services Requirement Waived \_\_\_\_\_  
(Signature of Reviewer)

---

**BALTIMORE COUNTY DESIGN STANDARDS**

(For complete county standards, see Baltimore County adopting legislation)  
Wind Speed (Risk Categories 1&2).....76 mph (14.4 psf); 3-second gust V3s – 90 mph  
Minimum Roof Live Load.....30 psf ; pitched rise 4/12 to <12/12 20 psf  
Ground Snow Load.....30 psf  
Frost Depth.....30 inches  
Seismic.....IBC Section 1613 (min. Site Class B)  
IRC Seismic Design Category B

**DECLARATION OF LAND RESTRICTIONS  
FOR CERTAIN STRUCTURES IN THE FLOOD PLAIN**

THIS DECLARATION made this \_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_  
by \_\_\_\_\_  
having an address at \_\_\_\_\_  
\_\_\_\_\_

**RECITALS**

A. The Owner is the record owner of all that real property located at \_\_\_\_\_  
\_\_\_\_\_ in the \_\_\_\_th Election District of Baltimore County, designated in the Tax Records as map \_\_\_\_\_, parcel \_\_\_\_\_, plat \_\_\_\_\_, block \_\_\_\_\_, lot no. \_\_\_\_\_, and being the same \_\_\_\_\_, and recorded among the Land Records of Baltimore County, Maryland at Liber \_\_\_\_\_, Folio \_\_\_\_\_ (hereinafter called the "Property").

B. The Owner has applied for a Permit, Conditioned permit, or Variance to place a structure on the Property that either (1) does not conform, or (2) may be made noncompliant by later conversion, to the elevation requirements of Baltimore County Council Bill #40-12, Parts 123 and 124, construction in areas subject to flooding and under Permit Number. \_\_\_\_\_

C. The Owner agrees to record the DECLARATION and certifies and declares that the Property shall be held, sold and conveyed subject to the covenants, conditions and restrictions set forth below.

1. The structure or part thereof to which these conditions apply is  
\_\_\_\_\_  
\_\_\_\_\_
2. This structure has been allowed without conformance with the elevation requirement of the Ordinance. Conversion to habitable space shall not occur unless the enclosed area below the Flood Protection Elevation (FPE) is brought into full compliance with this Ordinance. At this site, the Flood Protection Elevation (FPE) is \_\_\_\_\_ feet above mean sea level; one foot above (FPE) for new building is \_\_\_\_\_ feet.
3. Enclosed areas below the Flood Protection Elevation (FPE) shall be used solely for parking of vehicles, limited storage, or access to the building. All interior walls, ceilings, and floors below the Flood Protection Elevation (FPE) shall be unfinished and constructed of flood resistant materials. Mechanical, electrical, or plumbing devices shall not be installed below the Flood Protection Elevation (FPE).
4. The walls of the enclosed areas below the Flood Protection Elevation (FPE) shall be equipped with at least two (2) vents which permit the automatic entry and exit of flood waters with total openings of at least one square inch for every square foot of enclosed area below flood level. The vents shall be on at least two (2) different walls, and the bottoms of the vents shall be no more than one foot (12 inches) above grade.

5. Other conditions: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**GENERAL CONDITIONS**

1. The above covenants, conditions and restrictions (the "Covenants") shall run with and bind the Property and shall be enforced by the owner of all or any portion of the Property and by Baltimore County, Maryland, a body politic.
2. Enforcement of the Covenant shall be by proceedings at law or equity against any person or persons violating or attempting to violate any covenant, to restrain or remove the violation, including revocation of any permit or approval allowing the structure or use.

WITNESS:

\_\_\_\_\_ (Seal)  
Owner

\_\_\_\_\_ (Seal)  
Owner

STATE OF MARYLAND \_\_\_\_\_ OF \_\_\_\_\_, TO WIT:

I hereby certify that on this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_  
Before me the subscriber, a Notary Public of the State aforesaid, personally appeared  
\_\_\_\_\_ and \_\_\_\_\_ known to me, or  
satisfactorily proven to be the person (s) whose name is subscribed to the foregoing  
instrument, who acknowledged that he has executed it for the purposes therein set forth,  
and that it is his act and deed.

In witness whereof, I have set my hand and Notarial Seal, the day and year first written  
above.

\_\_\_\_\_  
NOTARY

My Commission expires on \_\_\_\_\_