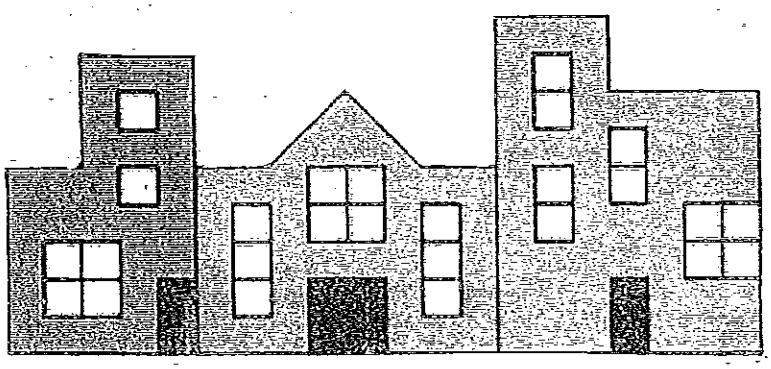
BALTIMORE COUNTY BUILDING CODE



Baltimore County Council Bill 40-15

Effective July 1, 2015

www.baltimorecountymd.gov

BUILDING CODE
ADOPTING ORDINANCE

BALTIMORE COUNTY, MARYLAND

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Double Layers ½ inch sheet rock or ASTM E-119 rated material of 25 minutes or more

COUNTY COUNCIL OF BALTIMORE COUNTY, MARYLAND
Legislative Session 2015, Legislative Day No. 9

Bill No. 40-15

Mrs. Cathy Bevins, Chair
By Request of County Executive

By the County Council, May 4, 2015

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, 2015 Edition; the ICC International Residential Code, 2015 Edition; the ICC International Mechanical Code, 2015 Edition, and the ICC International Energy Conservation Code, 2015 Edition, all as the "Building Code of Baltimore County, Maryland".

BY repealing
The Building Code of Baltimore County, Maryland as adopted by Bill No. 40-12

BY adopting, with amendments
The ICC International Building Code, 2015 Edition, including Appendices C, G, and F
The ICC International Residential Code, 2015 Edition, including Appendices B, C, F, G and K
The International Mechanical Code, 2015 Edition, and
The ICC International Energy Conservation Code, 2015 Edition.

SECTION 1. BE IT ENACTED BY THE COUNTY COUNCIL OF BALTIMORE COUNTY, MARYLAND, that the Building Code of Baltimore County adopted by Bill No. 40-12 be and the same is hereby repealed.

SECTION 2. AND BE IT FURTHER ENACTED that the ICC International Building Code, 2015 Edition, including Appendices C, G, and F, the ICC International Residential Code, 2015 Edition, including Appendices B, C, F, G and K, the International Mechanical Code, 2015 Edition, and the ICC International Energy Conservation Code, 2015 Edition, be and they are hereby adopted subject to the additions, amendments, or deletions set forth herein.

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.

SECTION 3. AND BE IT FURTHER ENACTED that the Bill No. 40-15 may be referred to as "The Building Code of Baltimore County".

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

PART 100 COMMON PROVISIONS.

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

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

1. THE INTERNATIONAL BUILDING CODE, 2015 EDITION, PUBLISHED BY THE INTERNATIONAL CODE COUNCIL, INC.

2. THE INTERNATIONAL RESIDENTIAL CODE, 2015 EDITION, PUBLISHED BY THE INTERNATIONAL CODE COUNCIL, INC.

3. THE INTERNATIONAL MECHANICAL CODE, 2015 EDITION, PUBLISHED BY THE INTERNATIONAL CODE COUNCIL, INC.

4. THE INTERNATIONAL ENERGY CONSERVATION CODE, 2015 EDITION, PUBLISHED BY THE INTERNATIONAL CODE COUNCIL, INC.

PART 103 APPLICABLE COUNTY CODES. LOCALLY ADOPTED COUNTY CODES SHALL REPLACE CERTAIN PROVISIONS OF THE ABOVE ADOPTED CODES AS FOLLOWS:

1. THE "BALTIMORE COUNTY ELECTRICAL CODE" ADOPTED PURSUANT TO ARTICLE 21, TITLE 7, SUBTITLE 3 OF THE BALTIMORE COUNTY CODE, 2003, AS AMENDED, SHALL GOVERN THE INSTALLATION, MAINTENANCE AND REPAIR OF ELECTRICAL SYSTEMS, EQUIPMENT AND COMPONENTS IN THE PLACE OF SECTION 2701.1 OF THE INTERNATIONAL BUILDING CODE, 2015 EDITION TITLED "ELECTRICAL" AND PART VIII OF THE INTERNATIONAL RESIDENTIAL CODE, 2015 EDITION TITLED "ELECTRICAL."

2. THE "BALTIMORE PLUMBING AND GASFITTING CODE" ADOPTED PURSUANT TO ARTICLE 21, TITLE 15, SUBTITLE 1 OF THE BALTIMORE COUNTY CODE, 2003, AS AMENDED, SHALL GOVERN THE INSTALLATION, MAINTENANCE AND REPAIR OF PLUMBING SYSTEMS IN THE PLACE OF SECTION 2901.1, TITLED "PLUMBING SYSTEMS" OF THE INTERNATIONAL BUILDING CODE, 2015 EDITION; PART VII OF THE INTERNATIONAL RESIDENTIAL CODE, 2015 EDITION, TITLED "PLUMBING;" AND THE INSTALLATION,

MAINTENANCE AND REPAIR OF MECHANICAL APPLIANCES, AND EQUIPMENT AND SYSTEMS IN CONFORMANCE WITH THE INTERNATIONAL FUEL GAS CODE, 2015 EDITION.

3. THE "INTERNATIONAL PROPERTY MANAGEMENT CODE, 2015 EDITION" SHALL MEAN THE BALTIMORE COUNTY LIVABILITY CODE ADOPTED PURSUANT TO ARTICLE 35, TITLE 5, OF THE BALTIMORE COUNTY CODE, 2003, AS AMENDED.

4. THE "INTERNATIONAL FIRE CODE" SHALL MEAN THE BALTIMORE COUNTY FIRE PREVENTION CODE ADOPTED PURSUANT TO ARTICLE 14, TITLE 2, SUBTITLE 1, OF THE BALTIMORE COUNTY CODE, 2003, AS AMENDED.

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

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

PART 106 EXISTING BUILDINGS AND STRUCTURES. THE LEGAL USE AND OCCUPANCY OF ANY BUILDING OR STRUCTURE EXISTING PRIOR TO THE EFFECTIVE DATE OF THIS CODE MAY BE CONTINUED WITHOUT CHANGE EXCEPT AS MAY BE SPECIFICALLY COVERED BY THIS CODE OR AS MAY BE DEEMED NECESSARY BY THE BUILDING OFFICIAL FOR THE GENERAL SAFETY AND WELFARE OF THE OCCUPANTS AND THE PUBLIC. ALTERATIONS, ADDITIONS AND REPAIRS OF EXISTING BUILDINGS AND STRUCTURES SHALL CONFORM TO APPLICABLE LAWS AND REGULATIONS COVERING SUCH WORK AND SHALL NOT CAUSE AN EXISTING BUILDING OR STRUCTURE TO BECOME UNSAFE OR TO ADVERSELY AFFECT THE PERFORMANCE OF THE BUILDING.

PART 106.1 PROOF OF LEGAL CHANGE OF USE AND OCCUPANCY OF EXISTING BUILDINGS. THE BUILDING OFFICIAL SHALL HAVE THE AUTHORITY TO REQUIRE

SATISFACTORY EVIDENCE THAT A LEGAL CHANGE OF USE OR OCCUPANCY IN COMPLIANCE WITH APPLICABLE FIRE AND BUILDING CODES WAS GRANTED BY BALTIMORE COUNTY.

PART 107 DEPARTMENT OF PUBLIC SAFETY OR DEPARTMENT. "THE DEPARTMENT OF PUBLIC SAFETY" OR "DEPARTMENT" SHALL MEAN THE DEPARTMENT OF PERMITS, APPROVALS AND INSPECTIONS.

PART 108 TERMS "BUILDING CODE" AND "CODE." THE ICC INTERNATIONAL BUILDING CODE, 2015 EDITION; THE ICC INTERNATIONAL RESIDENTIAL CODE, 2015 EDITION, THE INTERNATIONAL MECHANICAL CODE, 2015 EDITION, AND THE ICC INTERNATIONAL ENERGY CONSERVATION CODE, 2015 EDITION, ADOPTED WITH CERTAIN AMENDMENTS, DELETIONS, AND ADDITIONS, BY BALTIMORE COUNTY COUNCIL BILL NO. 40-15, SHALL BE KNOWN COLLECTIVELY AS THE BUILDING CODE OF BALTIMORE COUNTY, MARYLAND, (HEREINAFTER REFERRED TO AS "CODE"). WHENEVER THE TERM "CODE" IS USED IN EITHER THE ICC INTERNATIONAL BUILDING CODE, THE ICC INTERNATIONAL RESIDENTIAL CODE, THE INTERNATIONAL MECHANICAL CODE, OR THE ICC INTERNATIONAL ENERGY CONSERVATION CODE, IT SHALL MEAN THE BUILDING CODE OF BALTIMORE COUNTY AS ADOPTED BY BILL NO. 40-15.

PART 109 APPLICATION OF BUILDING CODE. THIS CODE SHALL APPLY TO THE CONSTRUCTION, ALTERATION, ADDITION, REPAIR, REMOVAL, DEMOLITION, ENLARGEMENT, REPLACEMENT, RELOCATION, EQUIPMENT, USE OR OCCUPANCY, LOCATION, AND MAINTENANCE OF ALL BUILDINGS AND STRUCTURES OR ANY APPURTENANTS CONNECTED OR ATTACHED TO SUCH BUILDINGS AND STRUCTURES, AND THEIR SERVICE EQUIPMENT AS HEREIN DEFINED, EXCEPT AS SUCH MATTERS ARE OTHERWISE PROVIDED FOR IN OTHER ORDINANCES OR STATUTES, OR IN THE RULES AND REGULATIONS AUTHORIZED FOR PROMULGATION UNDER THE PROVISIONS OF THIS CODE.

PART 110 REFERENCED CODES. THE CODES LISTED IN PART 103 AND THE 2015 EDITIONS OF THE INTERNATIONAL BUILDING CODE, INTERNATIONAL RESIDENTIAL CODE, INTERNATIONAL MECHANICAL CODE AND INTERNATIONAL ENERGY CONSERVATION CODE SHALL BE CONSIDERED PART OF THE REQUIREMENTS OF THIS CODE TO THE PRESCRIBED EXTENT OF EACH SUCH REFERENCE.

PART 110.1 GAS. WHENEVER THE TERM "INTERNATIONAL FUEL GAS CODE" IS USED, IT SHALL MEAN THE BALTIMORE COUNTY PLUMBING AND GASFITTING CODE ADOPTED

PURSUANT TO ARTICLE 21, TITLE 15, SUBTITLE 1, OF THE BALTIMORE COUNTY CODE, 2003, AS AMENDED.

PART 110.2 PLUMBING. WHENEVER THE TERM "INTERNATIONAL PLUMBING CODE" IS USED, IT SHALL MEAN THE BALTIMORE COUNTY PLUMBING AND GASFITTING CODE ADOPTED PURSUANT TO ARTICLE 21, TITLE 15, SUBTITLE 1 OF THE BALTIMORE COUNTY CODE, 2003, AS AMENDED.

PART 110.3 PROPERTY MAINTENANCE. WHENEVER THE TERM "INTERNATIONAL PROPERTY MAINTENANCE CODE" IS USED, IT SHALL MEAN THE BALTIMORE COUNTY LIVABILITY CODE ADOPTED PURSUANT TO ARTICLE 35, TITLE 5 OF THE BALTIMORE COUNTY CODE, 2003, AS AMENDED.

PART 110.4 FIRE PREVENTION. WHENEVER THE TERM "INTERNATIONAL FIRE CODE" IS USED, IT SHALL MEAN THE BALTIMORE COUNTY FIRE PREVENTION CODE ADOPTED PURSUANT TO ARTICLE 14, TITLE 2, SUBTITLE 1 OF THE BALTIMORE COUNTY CODE, 2003, AS AMENDED.

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

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

PART 112 PERMITS.

PART 112.1 WORK EXEMPT FROM PERMIT. THE FOLLOWING WORK DOES NOT REQUIRE A PERMIT WHERE NOT LOCATED IN THE 100 YEAR FLOOD PLAIN.

1. USE GROUP R-3 ONE-STORY ACCESSORY STRUCTURES USED AS TOOL AND STORAGE SHEDS, PLAYHOUSES, DECKS NOT GREATER THEN 16 INCHES ABOVE THE LOWEST GRADE AND SIMILAR USES, PROVIDED THE FLOOR AREA DOES NOT EXCEED 120 SQUARE FEET AND ARE NOT LOCATED IN A DESIGNATED "CHESAPEAKE BAY CRITICAL AREA", A PROPOSED OR DESIGNATED "BALTIMORE COUNTY HISTORIC DISTRICT" OR PART OF A STRUCTURE ON A PRELIMINARY OR FINAL BALTIMORE COUNTY LANDMARKS LIST.

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

3. OIL DERRICKS.

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

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

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

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

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

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

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

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

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

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

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

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

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

PART 112.1.1 AGRICULTURAL BUILDINGS. THE PROVISIONS OF THIS CODE SHALL NOT APPLY TO THE CONSTRUCTION, ALTERATION, ADDITION, REPAIR, REMOVAL, DEMOLITION, USE, LOCATION, OR MAINTENANCE OF AGRICULTURAL BUILDINGS. THIS

PROVISION DOES NOT EXEMPT THE OWNER OF AN AGRICULTURAL BUILDING FROM OBTAINING REQUIRED ELECTRICAL OR PLUMBING AND GASFITTING PERMITS, OR FROM COMPLYING WITH ALL OTHER APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS, LAWS, AND ORDINANCES.

PART 112.1.2 ELECTRICAL PERMIT REQUIRED FOR REPAIRS TO ALUMINUM CONDUCTORS.

PART 112.1.3 ROOF REPAIRS. A BUILDING PERMIT IS REQUIRED TO UNDERTAKE ROOF REPAIRS IF 50% OR MORE OF THE SHEATHING OR DECK IS BEING REPLACED.

PART 112.2 PUBLIC NOTICE FOR PIER OR MOORING PILE CONSTRUCTION. A PERMIT TO BUILD, ALTER, MODIFY, REPLACE OR EXTEND A PIER BEYOND MEAN LOW TIDE OR MOORING PILE MAY BE GRANTED ONLY IF PUBLIC NOTICE HAS BEEN GIVEN BY THE APPLICANT AS SPECIFIED BY THE CODE OFFICIAL, DEFINED IN SECTION 3-6-101 OF THE BALTIMORE COUNTY CODE AS THE DIRECTOR OF PERMITS, APPROVALS AND INSPECTIONS OR THE DIRECTOR'S DESIGNEE, AND A PUBLIC HEARING HELD BEFORE THE CODE OFFICIAL OR DESIGNEE IF REQUESTED. SUCH PUBLIC NOTICE SHALL CONSIST OF POSTING THE PROPERTY FOR A PERIOD OF 15 DAYS. ANY OWNER OF ADJACENT PROPERTY OR PROPERTY DIRECTLY IMPACTED BY THE PROPOSED PERMITTED WORK MAY REQUEST A PUBLIC HEARING OR MAY SUBMIT WRITTEN COMMENTS FOR CONSIDERATION. IF NO PUBLIC HEARING IS REQUESTED, THE CODE OFFICIAL OR DESIGNEE MAY ISSUE THE PERMIT CONTAINING ANY APPROPRIATE CONDITIONS OR LIMITATIONS. THE HEARING OFFICER SHALL HAVE THE RIGHT TO SPECIFY THE LIMITS OF CONSTRUCTION WHICH SHALL CONFORM AS CLOSELY AS POSSIBLE TO THE RULES SET FORTH IN SECTION 417 OF THE BALTIMORE COUNTY ZONING REGULATIONS.

PART 112.3 TIME LIMITATION ON PERMITS. ALL PERMITS SHALL BE ISSUED TO EXPIRE ONE YEAR AFTER THE DATE SUCH PERMIT IS ISSUED, UNLESS THE TIME OF COMPLETION STATED IN THE APPLICATION CALLS FOR A LONGER OR SHORTER REASONABLE TIME PERIOD, IN WHICH EVENT THE TIME OF EXPIRATION ON THE PERMIT SHALL BE FIXED SO AS TO ALLOW A REASONABLE TIME TO COMPLETE THE WORK. ALL PERMITS FOR A SUBSTATION ISSUED TO A PUBLIC SERVICE COMPANY, AS DEFINED IN TITLE 1 OF THE PUBLIC UTILITY COMPANIES ARTICLE OF THE ANNOTATED CODE OF MARYLAND, SHALL BE ISSUED TO EXPIRE FIVE YEARS AFTER THE DATE SUCH PERMIT IS ISSUED, PROVIDED THAT WITHIN ONE YEAR AFTER THE ISSUANCE OF THE PERMIT THE SITE IS FENCED AND LANDSCAPED AND A SIGN POSTED STATING THE PROPOSED USE OF THE COMPLETED PROJECT. HOWEVER, AS TO ANY PERMIT, THE BUILDING OFFICIAL IS HEREBY

AUTHORIZED TO GRANT AN EXTENSION OF TIME NOT IN EXCESS OF ONE YEAR IN WHICH TO COMPLETE THE WORK. IF THE WORK UNDER A PERMIT IS NOT COMPLETE BEFORE THE EXPIRATION DATE ON THE PERMIT, OR ANY EXTENSION THEREOF, THAT PERMIT AUTOMATICALLY BECOMES A NULLITY. IN LIEU OF A ONE-YEAR PERMIT WITH AN OPTION FOR A ONE-YEAR EXTENSION, A PERMIT MAY BE GRANTED FOR TWO YEARS WITH NO EXTENSION POSSIBLE.

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

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

PART 112.6 REVOCATION OF PERMITS. THE BUILDING OFFICIAL MAY REVOKE A PERMIT OR APPROVAL ISSUED UNDER THE PROVISIONS OF THIS CODE IN THE CASE OF ANY FALSE STATEMENT OR MISREPRESENTATION OF FACT IN THE APPLICATION OR ON THE PLANS ON WHICH THE PERMIT OR APPROVAL WAS BASED. IF ANY PERMIT IS ISSUED IN VIOLATION OF THE PROVISIONS OF THIS CODE OR OTHER LAWS, RESOLUTIONS AND REGULATIONS OF BALTIMORE COUNTY, OR LAWS OF THE STATE OF MARYLAND, OR WITHOUT PROPER AUTHORITY, IT MAY BE VOIDED AS IF IT HAD NEVER BEEN ISSUED.

PART 112.7 WITHHOLDING OF PERMITS. WHENEVER THE BUILDING OFFICIAL FINDS THAT ANY CONTRACTOR OR OWNER IS IN VIOLATION OF THE PROVISIONS OF THIS CODE OR OF THE RULES AND REGULATIONS OF ANY OTHER DEPARTMENT OR AGENCY OF BALTIMORE COUNTY IN CONNECTION WITH THE ERECTION, ALTERATION OR

DEMOLITION OF BUILDINGS, STRUCTURES, LANDS, OR EQUIPMENT THEREON OR THEREIN, THE BUILDING OFFICIAL MAY REFUSE TO GRANT ANY ADDITIONAL PERMITS TO THE CONTRACTOR OR OWNER UNTIL ALL SUCH VIOLATIONS HAVE BEEN CORRECTED.

PART 112.8 CONSTRUCTION STANDARDS.

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

PART 112.8.2 SUPERVISION BY LICENSEES AND BUILDING CONTRACTORS. PERSONS PERFORMING WORK REQUIRING AN ELECTRICIAN'S LICENSE, PLUMBER'S AND/OR GASFITTER'S LICENSE, A LICENSE ISSUED BY THE MARYLAND BOARD OF HEATING, VENTILATION, AIR CONDITIONING AND REFRIGERATION CONTRACTORS AND BUILDING CONTRACTORS, INCLUDING HOME IMPROVEMENT CONTRACTORS, SHALL PROVIDE ADEQUATE SUPERVISION OF ALL WORKERS ENGAGED IN COMPLETING PERMITTED WORK, INCLUDING SUBCONTRACTORS. ADEQUATE SUPERVISION OF SUBCONTRACTORS PERFORMING ELECTRICAL, HVAC, PLUMBING AND GASFITTING WORK INCLUDES ENSURING THAT SUPERVISORY EMPLOYEES ARE PROPERLY LICENSED UNDER COUNTY OR STATE LAWS AND REGULATIONS.

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

PART 113 SUBMITTAL DOCUMENTS.

PART 113.1 CONSTRUCTION DOCUMENTS. CONSTRUCTION DOCUMENTS SHALL BE PREPARED BY A REGISTERED PROFESSIONAL ARCHITECT OR ENGINEER LICENSED BY THE STATE. ALL PLANS, COMPUTATIONS AND SPECIFICATIONS SUBMITTED WITH A BUILDING PERMIT APPLICATION SHALL BE PREPARED BY OR UNDER THE DIRECT SUPERVISION OF A REGISTERED ARCHITECT OR ENGINEER AND BEAR THAT ARCHITECT'S OR ENGINEER'S ORIGINAL SIGNATURE AND SEAL IN ACCORDANCE WITH THE STATE'S LAWS AND REGULATIONS GOVERNING THE PROFESSIONAL REGISTRATION AND CERTIFICATION OF ARCHITECTS AND ENGINEERS. THE SUBMISSION OF SEALED DOCUMENTS MAY BE WAIVED IN WHOLE OR IN PART AT THE DISCRETION OF THE BUILDING OFFICIAL WHEN THE NATURE AND SCOPE OF THE WORK IS SUCH THAT REVIEW

OF CERTAIN CONSTRUCTION DOCUMENTS IS NOT NECESSARY TO OBTAIN COMPLIANCE WITH THIS CODE.

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

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

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

PART 114 FEES.

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

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

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

PART 115 INSPECTIONS.

PART 115.1 REQUIRED INSPECTIONS. AFTER ISSUING A BUILDING PERMIT, THE CODE OFFICIAL SHALL CONDUCT INSPECTIONS FROM TIME TO TIME DURING AND UPON COMPLETION OF THE WORK FOR WHICH A PERMIT HAS BEEN ISSUED. AN INSPECTION MAY INCLUDE, AT THE DISCRETION OF THE CODE OFFICIAL, ANY OR ALL OF THE INSPECTIONS SET FORTH IN SECTION 110 OF THE INTERNATIONAL BUILDING CODE,

SECTION R109 OF THE INTERNATIONAL RESIDENTIAL CODE AND SECTIONS C104 AND R104 OF THE INTERNATIONAL ENERGY CONSERVATION CODE.

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

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

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

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

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

PART 119 FALSE STATEMENT. ANY PERSON WHO KNOWINGLY MAKES A FALSE STATEMENT, REPRESENTATION OR CERTIFICATION IN ANY APPLICATION, RECORD, REPORT, SITE PLAN, OR OTHER DOCUMENT SUBMITTED TO THE DEPARTMENT OF PERMITS, APPROVALS AND INSPECTION IS, IN ADDITION TO ANY OTHER PENALTIES, SHALL BE SUBJECT TO A CIVIL PENALTY NOT EXCEEDING $1,000.

PART 120 STOP WORK ORDER.

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

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

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

PART 121 UNSAFE STRUCTURES AND EQUIPMENT.

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

PART 121.2 REPAIR ORDER ISSUED BY THE BUILDING OFFICIAL. THE BUILDING OFFICIAL SHALL ISSUE AN ORDER SPECIFYING THE REPAIRS, IF ANY, THE OWNER MUST MAKE, AND A TIME WITHIN WHICH THE OWNER SHALL COMPLY. THE ORDER SHALL BE MAILED TO THE OWNER OF RECORD, OR ON AN AGENT, WHENEVER AN AGENT IS IN CHARGE OF THE BUILDING, AT THE ADDRESS TO WHICH BALTIMORE COUNTY'S DIRECTOR OF BUDGET AND FINANCE MAILS TAX BILLS IN ACCORDANCE WITH SECTION 11-2-302 OF THE BALTIMORE COUNTY CODE, 2003, AS AMENDED.

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

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

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

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

PART 122 FENCES.

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

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

2. SIDE AND REAR YARDS. THE MAXIMUM HEIGHT PERMITTED FOR ANY RESIDENTIAL OCCUPANCY FENCE SHALL BE SIX FEET ABOVE NORMAL GRADE IN A SIDE AND REAR YARD (AS DEFINED BY THE BALTIMORE COUNTY ZONING REGULATIONS). A FENCE MAY BE ERECTED UP TO TEN FEET HIGH IN A SIDE OR REAR YARD WHEN THE

FENCE IS SET BACK FROM THE PROPERTY LINE A HORIZONTAL DISTANCE OF TWO FEET FOR EVERY VERTICAL FOOT OF HEIGHT IN EXCESS OF SIX FEET.

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

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

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

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

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

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

PART 122.4 WAIVERS. ANY PERSON MAY APPLY FOR A WAIVER TO THE HEIGHT LIMITATION REQUIREMENTS OF PARTS 122.1 AND 122.2. THE BUILDING OFFICIAL OR DESIGNEE IS AUTHORIZED TO GRANT SUCH WAIVERS, PROVIDED PUBLIC NOTICE HAS BEEN GIVEN AND A PUBLIC HEARING HAS BEEN HELD BEFORE THE BUILDING OFFICIAL OR DESIGNEE IF REQUESTED. PUBLIC NOTICE SHALL CONSIST OF POSTING THE PROPERTY FOR A PERIOD OF 15 DAYS. ANYONE LIVING WITHIN 1000 FEET OF THE SUBJECT PROPERTY MAY REQUEST A PUBLIC HEARING, OR MAY SUBMIT WRITTEN COMMENTS FOR

CONSIDERATION. IF NO PUBLIC HEARING IS REQUESTED, THE BUILDING OFFICIAL OR DESIGNEE MAY GRANT A WAIVER CONTAINING ANY APPROPRIATE CONDITIONS OR LIMITATIONS. IF A PUBLIC HEARING IS REQUESTED, NOTICE SHALL BE FURTHER PROVIDED BY POSTING THE PROPERTY FOR AN ADDITIONAL 15 DAYS. SUCH NOTICE SHALL INCLUDE THE DATE, TIME, AND LOCATION OF THE HEARING. ANY PERSON AGGRIEVED BY THE DECISION OF THE BUILDING OFFICIAL OR DESIGNEE MAY FILE A NOTICE OF APPEAL WITH THE BOARD OF APPEALS AND THE DEPARTMENT OF PERMITS, APPROVALS AND INSPECTIONS WITHIN 30 DAYS AFTER THE DATE OF THE FINAL DECISION OF THE HEARING OFFICER. ANY ORDER BY THE BUILDING OFFICIAL GRANTING A WAIVER SHALL CONTAIN A FINDING OF FACT SETTING FORTH AND SPECIFYING THE REASON OR REASONS FOR ALLOWING SUCH A WAIVER.

PART 123 CONSTRUCTION IN FLOOD HAZARD AREAS GENERALLY. ALL PERMITTED ACTIVITY IN A FLOOD HAZARD AREA SHALL BE SUBJECT TO THE LEGAL REQUIREMENTS SET FORTH IN SECTION 32-4-414 OF ARTICLE 32, TITLE 4 OF THE BALTIMORE COUNTY CODE, 2003, AS AMENDED, TITLED FLOODPLAIN AND WETLAND PROTECTION AND ARTICLE 32, TITLE 8 OF THE BALTIMORE COUNTY CODE, 2003, AS AMENDED, TITLED FLOODPLAIN MANAGEMENT, AS WELL AS THE REQUIREMENTS OF THIS CODE.

PART 123.1 SELECTED DEFINITIONS.

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

2. REPETITIVE LOSS - FLOOD RELATED DAMAGE SUSTAINED BY A STRUCTURE ON TWO SEPARATE OCCASIONS DURING A 10-YEAR PERIOD FOR WHICH THE COST OF

REPAIRS AT THE TIME OF EACH SUCH FLOOD EVENT, ON THE AVERAGE, EQUALS OR EXCEEDS 25% OF THE MARKET VALUE OF THE STRUCTURE BEFORE THE DAMAGE OCCURRED.

3. HISTORIC STRUCTURE: ANY STRUCTURE THAT IS:

(A) INDIVIDUALLY LISTED IN THE NATIONAL REGISTER OF HISTORIC PLACES (A LISTING MAINTAINED BY THE U.S. DEPARTMENT OF INTERIOR) OR PRELIMINARILY DETERMINED BY THE SECRETARY OF THE INTERIOR AS MEETING THE REQUIREMENTS FOR INDIVIDUAL LISTINGS ON THE NATIONAL REGISTER;

(B) CERTIFIED OR PRELIMINARILY DETERMINED BY THE SECRETARY OF THE INTERIOR AS CONTRIBUTING TO THE HISTORICAL SIGNIFICANCE OF A REGISTERED HISTORIC DISTRICT OR A DISTRICT PRELIMINARILY DETERMINED BY THE SECRETARY TO QUALIFY AS A REGISTERED HISTORIC DISTRICT;

(C) INDIVIDUALLY LISTED ON THE MARYLAND REGISTER OF HISTORIC PLACES; OR

(D) INDIVIDUALLY LISTED ON THE INVENTORY OF HISTORIC PLACES MAINTAINED BY BALTIMORE COUNTY WHOSE HISTORIC PRESERVATION PROGRAM HAS BEEN CERTIFIED BY THE MARYLAND HISTORICAL TRUST OR THE SECRETARY OF THE INTERIOR.

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

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

PART 123.4 OCCUPANCY LIMITATIONS. FOR ENCLOSED AREAS BELOW THE FLOOD PROTECTION ELEVATION A NON-CONVERSION AGREEMENT OR DECLARATION OF LAND

RESTRICTION MAY BE REQUIRED RESTRICTING THE USE OF ENCLOSED AREAS BELOW THE FLOOD ELEVATION. IF AN IMPROVEMENT TO AN EXISTING STRUCTURE IS PROPOSED, ADEQUATE INFORMATION ON THE COST OF THE IMPROVEMENT AND THE MARKET VALUE OF THE STRUCTURE BEFORE THE IMPROVEMENT MUST BE SUPPLIED TO THE DEPARTMENT TO ALLOW A DETERMINATION OF SUBSTANTIAL IMPROVEMENT. THE DEPARTMENT MAY USE TAX ASSESSMENT RECORDS TO DETERMINE SUBSTANTIAL IMPROVEMENT.

PART 123.5 FLOOD RESISTANT DESIGN AND CONSTRUCTION. IN ADDITION TO REQUIREMENTS SET FORTH IN PART 123 OF THIS CODE, THE DESIGN AND CONSTRUCTION OF BUILDINGS AND STRUCTURES, INCLUDING PLUMBING AND ELECTRICAL INSTALLATIONS, LOCATED IN A FLOOD HAZARD AREA SHALL ALSO COMPLY WITH ASCE/SEI 24-14.

PART 123.6 100-YEAR FLOOD PLAIN SITE PLAN REQUIRED. A MARYLAND LICENSED ENGINEER OR MARYLAND REGISTERED PROFESSIONAL LAND SURVEYOR SHALL PROVIDE A SIGNED AND SEALED SITE PLAN FOR ALL CONSTRUCTION LOCATED IN A 100-YEAR FLOOD PLAIN. INFORMATION ON THE SITE PLAN SHALL SHOW OR CONTAIN:

1. SIZE AND LOCATION OF NEW CONSTRUCTION AND EXISTING STRUCTURES ON THE SITE AND DISTANCES FROM LOT LINES;
2. DELINEATION OF ALL FLOOD HAZARD AREAS, FLOODWAY BOUNDARIES AND FLOOD ZONES, AND THE DESIGN FLOOD ELEVATION, AS APPROPRIATE;
3. BASE FLOOD ELEVATION;
4. REQUIRED FLOOD PROTECTION ELEVATION;
5. ELEVATION CONTOUR LINES;
6. ELEVATION OF THE PROPOSED LOWEST FLOOR;
7. STRUCTURE LOCATION AND ORIENTATION ON LOT SO AS TO MINIMIZE FLOOD DAMAGE;
8. DRAINAGE PLAN SO AS TO REDUCE EXPOSURE TO FLOOD HAZARDS;
9. A SITE PLAN DRAWN TO SCALE, NO SMALLER THAN 1" = 30';
10. A SITE PLAN SIGNED AND SEALED (ORIGINAL SEAL AND SIGNATURE) BY A STATE OF MARYLAND REGISTERED CIVIL ENGINEER OR SURVEYOR;
11. A MINIMUM OF 3 ORIGINAL SITE PLANS PROVIDED AT TIME OF PERMIT APPLICATION. THESE SHALL BE SEPARATE FROM ANY SITE PLANS REQUIRED BY PERMIT PROCESSING; AND

12. IN ADDITION TO BEING SHOWN AS PART OF THE SITE PLAN, THE BASE FLOOD, DESIGN FLOOD AND FLOOD PROTECTION ELEVATIONS SHALL ALSO BE CLEARLY NOTED SEPARATELY.

PART 124 AREAS SUBJECT TO TIDAL FLOODING.

PART 124.1 LOWEST FLOOR ELEVATION FOR NEW BUILDINGS. WHENEVER A NEW BUILDING IS CONSTRUCTED IN AREAS SUBJECT TO TIDAL FLOODING AS ESTABLISHED BY THE MOST RECENT FLOOD INSURANCE STUDY ("FIS") AND FLOOD INSURANCE RATE MAP ("FIRM") OF BALTIMORE COUNTY OR MORE RESTRICTIVE CRITERIA AS ESTABLISHED BY THE COUNTY, THE BUILDING'S LOWEST FLOOR SHALL NOT BE LOWER THAN THE ONE FOOT ABOVE THE FLOOD PROTECTION ELEVATION. THIS SECTION SHALL ALSO APPLY TO BUILDINGS THAT ARE REMOVED FROM THE 100 YEAR FLOODPLAIN BY THE USE OF FILL IN ACCORDANCE WITH SECTION 1804.4 OF THE INTERNATIONAL BUILDING CODE.

PART 124.2 LOWEST FLOOR ELEVATIONS FOR SUBSTANTIAL IMPROVEMENTS. WHENEVER SUBSTANTIAL IMPROVEMENTS TO EXISTING BUILDINGS, INCLUDING ADDITIONS, ARE CONSTRUCTED, OR BUILDINGS EXPERIENCING REPETITIVE LOSS ARE LOCATED IN AREAS SUBJECT TO TIDAL FLOODING AS ESTABLISHED BY THE MOST RECENT FIS AND FIRM OF BALTIMORE COUNTY OR MORE RESTRICTIVE CRITERIA AS ESTABLISHED BY THE COUNTY, THE BUILDING'S LOWEST FLOOR SHALL BE NOT LOWER THAN THE FLOOD PROTECTION ELEVATION ("FPE").

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

1. THE AREA CONTAINS NO MACHINERY OR EQUIPMENT. FULLY ENCLOSED AREAS BELOW THE FPE SHALL BE USED SOLELY FOR PARKING VEHICLES, ACCESS TO THE BUILDING, OR STORAGE, BUT ONLY IF SUCH AREAS ARE ENCLOSED, AND A DECLARATION OF LAND RESTRICTION IS RECORDED.

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

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

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

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

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

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

4. THE FLOOR LEVEL IS AT OR ABOVE EXISTING GRADE ON AT LEAST ONE SIDE.

IN ADDITION, A NON-CONVERSION AGREEMENT OR DECLARATION OF LAND RESTRICTION WILL BE REQUIRED FOR CRAWL SPACES MORE THAN 4 FEET IN HEIGHT.

PART 124.4 ACCESSORY STRUCTURES AND GARAGES GREATER THAN 300 SQUARE FEET. WHERE FEASIBLE, ACCESSORY STRUCTURES AND GARAGES GREATER THAN 300 SQUARE FEET SHOULD BE LOCATED OUT OF THE FLOODPLAIN OR ELEVATED TO OR ABOVE THE FPE. WHEN THESE MEASURES ARE NOT FEASIBLE, THE FOLLOWING APPLY:

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

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

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

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

PART 124.5 ATTACHED AND DETACHED GARAGES AND ACCESSORY STRUCTURES MEETING PART 124.3 REQUIREMENTS. ACCESSORY STRUCTURES OR GARAGES USED SOLELY FOR PARKING VEHICLES AND LIMITED STORAGE AND MEETING THE COUNTY'S VENTING REQUIREMENTS AND THE REQUIREMENTS OF PART 124.3 ABOVE, HAVING ALL INTERIOR WALLS, CEILINGS, AND FLOOR ELEMENTS BELOW THE FPE UNFINISHED, AND CONTAINING NO MACHINERY, ELECTRIC DEVICES, OR APPLIANCES LOCATED BELOW THE FPE, SHALL BE SUBJECT TO THE FOLLOWING CONTINGENCIES OR RESTRICTIONS:

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

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

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

PART 124.6 MANUFACTURED HOMES, MANUFACTURED BUILDINGS, AND ADDITIONS THERETO. MANUFACTURED HOMES, MANUFACTURED BUILDINGS, AND ADDITIONS THERETO MUST SATISFY THE FOLLOWING REQUIREMENTS, IF AVAILABLE:

1. MANUFACTURED HOMES, OR MANUFACTURED BUILDINGS, OR ADDITIONS THERETO ON SITES WITHIN A FLOOD ZONE (I) OUTSIDE OF A MANUFACTURED HOME PARK OR SUBDIVISION OR (II) IN AN EXISTING MANUFACTURED HOME PARK SHALL BE ELEVATED TO ESTABLISH A LOWEST FLOOR ABOVE THE FPE.

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

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

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

PART 124.7 RECREATIONAL VEHICLES. A RECREATIONAL VEHICLE WHICH REMAINS ON A SITE FOR MORE THAN 180 CONSECUTIVE DAYS SHALL BE CONSIDERED A

MANUFACTURED HOME OR MANUFACTURED BUILDING AND SHALL COMPLY WITH ALL LAWS AND REGULATIONS.

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

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

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

A. ELECTRIC WATER HEATERS, ELECTRIC FURNACES, GENERATORS, HEAT PUMPS, AIR CONDITIONERS, AND OTHER PERMANENT ELECTRICAL INSTALLATIONS, VENTILATION AND OTHER SERVICE FACILITIES SHALL BE PERMITTED ONLY AT OR ABOVE THE FPE.

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

C. ALL FURNACES, WATER HEATERS, AND OTHER PERMANENT MECHANICAL INSTALLATIONS SHALL BE PERMITTED ONLY AT OR ABOVE THE FPE.

PART 124.9 NEW AND SUBSTANTIALLY IMPROVED NON-RESIDENTIAL STRUCTURES. NEW OR SUBSTANTIALLY IMPROVED NON-RESIDENTIAL STRUCTURES LOCATED IN THE TIDAL FLOODPLAIN MAY BE FLOODPROOFED TO THE FPE. UNDER THIS OPTION, THE OWNER MUST HAVE A PROFESSIONAL ENGINEER OR ARCHITECT SUBMIT A FULLY EXECUTED FLOODPROOFING CERTIFICATE TO THE COUNTY PRIOR TO THE APPROVAL OF THE CONSTRUCTION BY ANY BUILDING OFFICIAL OF BALTIMORE COUNTY.

PART 124.10 NEW AND EXISTING OIL, GAS AND PROPANE TANKS. ALL NEW AND EXISTING OIL, GAS AND PROPANE TANKS SHALL BE ANCHORED TO PREVENT FLOTATION, COLLAPSE, AND LATERAL MOVEMENT UNDER FLOOD CONDITIONS BY MEANS OF AN APPROVED ENGINEERED ANCHORAGE SYSTEM OR SHALL BE INSTALLED AT/OR ABOVE THE FPE AND SHALL BE SET UPON A FIRM FOUNDATION AND SUPPORTS TO PREVENT FLOTATION, COLLAPSE AND LATERAL MOVEMENT UNDER FLOOD CONDITIONS. IT SHALL

BE UNLAWFUL TO FILL OR REFILL ANY SUCH TANK THAT IS NOT SO ANCHORED OR ELEVATED.

PART 124.11 NEW OR REPLACED OIL TANKS. ALL NEW OR REPLACED OIL TANKS SHALL HAVE THEIR VENT PIPE AND NON-LIQUID TIGHT FILL CONNECTION TERMINATION POINT AT LEAST TWO FEET ABOVE THE FPE. THIS PROVISION SHALL ALSO APPLY TO SUBSTANTIAL IMPROVEMENT BUILDINGS AND BUILDINGS EXPERIENCING A REPETITIVE LOSS. VENT AND FILL PIPE SUPPORT SHALL BE IN ACCORDANCE WITH SECTION 305 OF THE INTERNATIONAL MECHANICAL CODE, 2015 EDITION.

PART 124.12 FUEL OIL SYSTEMS. FUEL OIL SYSTEM INSTALLATION SHALL COMPLY WITH SECTION 1305 OF THE INTERNATIONAL MECHANICAL CODE, 2015 EDITION, UNLESS OTHERWISE MODIFIED BY THIS CODE.

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

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

PART 125.2 RECONSTRUCTION OR REPAIR OF EXISTING BUILDINGS.

RECONSTRUCTION OR REPAIR OF EXISTING BUILDINGS SHALL BE GOVERNED BY PART 121 "UNSAFE STRUCTURES AND EQUIPMENT". ALL SUBSTANTIAL IMPROVEMENTS TO EXISTING BUILDINGS SHALL BE PERMITTED ONLY ON THE BASIS OF AN APPROVED WAIVER IN ACCORDANCE WITH ARTICLE 32, TITLE 8, SUBTITLE 3 OF THE BALTIMORE COUNTY CODE, 2003, AS AMENDED, "WAIVERS", AND SHALL BE SUBJECT TO ALL APPLICABLE CONDITIONS OF SECTION 32-8-207 OF THE BALTIMORE COUNTY CODE, 2003, AS AMENDED, AND THE REQUIREMENTS OF THIS CODE WHERE REPLACEMENT STRUCTURES CANNOT BE RELOCATED OUT OF THE FLOODPLAIN, THEY SHALL BE LIMITED TO THE FOOTPRINT OF THE PREVIOUS STRUCTURE. ALL SUBSTANTIALLY IMPROVED STRUCTURES, INCLUDING MANUFACTURED HOMES, SHALL HAVE THE LOWEST FLOOR ELEVATED TO OR ABOVE THE FPE. THE LOWEST FLOOR ELEVATION FOR HOUSES OR BUILDINGS ADJACENT TO A RIVERINE FLOODPLAIN SHALL BE TWO FEET ABOVE THE BASE FLOOD ELEVATION.

PART 126 ROOF DRAINAGE AND PROTECTION OF EXTERIOR OPENINGS.

PART 126.1 GENERAL REQUIREMENTS FOR ROOF DRAINAGE.

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

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

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

4. DOWNSPOUTS SHALL DISCHARGE FREELY AT A DISTANCE OF NOT LESS THAN EIGHT FEET FROM ANY PROPERTY LINE MEASURED ALONG THE PATH OF FLOW.

5. ALL GUTTERS AND CONDUCTORS SHALL BE RIGIDLY SUPPORTED.

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

PART 126.2 EXTERIOR OPENINGS.

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

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

PART 127 BALTIMORE COUNTY MAINTAINED GRINDER PUMPS. ALL GRINDER PUMP STATIONS MAINTAINED BY BALTIMORE COUNTY SHALL BE POWERED BY A DEDICATED 30 AMP RATED LOCKABLE BREAKER TYPE SERVICE ENTRANCE DISCONNECT SWITCH CONNECTED TO A UTILITY ELECTRICAL METER. SUCH BREAKER SHALL BE INSTALLED ADJACENT TO AND WITHIN SIGHT OF THE PUBLIC UTILITY ELECTRICAL METER. A 30 AMP

RATED FEEDER SHALL BE INSTALLED TO FEED A 30 AMP RATED CONTROLLER. A 30 AMP RATED BRANCH CIRCUIT SHALL BE INSTALLED TO FEED THE GRINDER PUMP. ALL EQUIPMENT, WIRING AND THE ELECTRICAL METERS SHALL BE INSTALLED AND REMAIN COMPLETELY OUTSIDE THE BUILDING. ALL EQUIPMENT TYPE AND WIRING METHODS SHALL BE APPROVED BY THE BALTIMORE COUNTY DEPARTMENT OF PUBLIC WORKS, PRIOR TO THE INSTALLATION.

PART 128 ELECTRICAL

PART 128.1 GENERAL. THE DESIGN AND CONSTRUCTION OF ALL NEW INSTALLATIONS OF ELECTRICAL CONDUCTORS, FITTINGS, DEVICES AND FIXTURES FOR LIGHT, HEAT AND POWER SERVICE EQUIPMENT USED FOR POWER SUPPLY TO RADIO AND TELEVISION RECEIVING SYSTEMS AND AMATEUR RADIO TRANSMISSION SYSTEMS IN BUILDINGS AND STRUCTURES, AND ALL ALTERATIONS OR EXTENSIONS TO EXISTING WIRING SYSTEMS THEREIN TO INSURE SAFETY, SHALL CONFORM TO ARTICLE 21, TITLE 7, SUBTITLE 3 OF THE BALTIMORE COUNTY CODE, 2003 AS AMENDED, INCLUDING THE REQUIREMENTS FOR PERMITS AND INSPECTIONS WITH RESPECT THERETO, AND TO THE NATIONAL ELECTRICAL CODE, AS AMENDED.

PART 128.1.1 OUT OF STATE LICENSED CONTRACTORS. ALL WORK BEING PERFORMED ON A PERMIT ISSUED TO A LICENSED ELECTRICAL CONTRACTOR WHOSE BUSINESS ADDRESS IS OUTSIDE THE STATE OF MARYLAND MUST BE DIRECTLY SUPERVISED BY A BALTIMORE COUNTY LICENSED ELECTRICIAN.

PART 128.1.2 REPAIRS TO ALUMINUM CONDUCTORS. ALL REPAIRS, CHANGES, OR MODIFICATIONS INVOLVING THE USE OF ALUMINUM CONDUCTORS SHALL BE MADE SOLELY BY LICENSED ELECTRICAL CONTRACTORS. ALL REPAIRS SHALL REQUIRE PERMITS AND INSPECTIONS PURSUANT TO SECTION 21-7-302 OF THE BALTIMORE COUNTY CODE, 2003, AS AMENDED.

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

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

PART 128.1.5 SECURING AND SUPPORTING ELECTRICAL FIXTURES, DEVICES AND EQUIPMENT IN SUSPENDED CEILINGS. IN ADDITION TO THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE, ALL ELECTRICAL FIXTURES, DEVICES, AND EQUIPMENT

MUST BE SECURED INDEPENDENTLY OF THE CEILING GRID STRUCTURE UTILIZING A MINIMUM 12 SWG WIRE. LAY-IN FIXTURES SHALL BE SECURED AT DIAGONAL ENDS USING TWO (2) INDIVIDUAL WIRES FROM FIXTURE TO STRUCTURE. RECESSED TYPE FIXTURES SHALL BE SECURED TO THE GRID TO ACCOMMODATE INSTALLATION OF THE FIXTURE TRIM.

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

1. ELECTRICAL CONDUCTORS:
    A. 120V/240V 1ø BLACK, RED, (WHITE GROUNDED LEG)
    B. 120V/208V 3ø BLACK, RED, BLUE, (WHITE GROUNDED LEG)
    C. 277V/480V 3ø BROWN, ORANGE, YELLOW, (GRAY GROUNDED LEG)
    D. 240V 3ø CENTER LEG GROUND BLACK, BLUE, (WHITE GROUNDED LEG STRIPED RED)
    E. 480V 3ø CENTER LEG GROUND BROWN, YELLOW, (GRAY GROUNDED LEG STRIPED ORANGE).
2. RACEWAY PULL IN SYSTEMS. PHASE AND GROUNDED CONDUCTORS:
    A. CONDUCTORS 8 GAUGE WIRE (AWG) OR SMALLER; THE ENTIRE CONDUCTOR SHALL BE THE REQUIRED COLOR THE ENTIRE LENGTH.
    B. CONDUCTORS LARGER THAN 8 GAUGE WIRE (AWG); SHALL BE THE REQUIRED COLOR OR RE-IDENTIFIED AT ALL PANELBOARDS, CONTROL CENTERS, TERMINATIONS AND JUNCTION POINTS.
3. CABLE SYSTEMS: CABLE CONDUCTORS SHALL BE PERMITTED TO BE RE-IDENTIFIED THE REQUIRED COLOR AT ALL PANELBOARDS, CONTROL CENTERS, EQUIPMENT, AND JUNCTION POINTS, EXCEPT THAT ALL 277/480 VOLT FEEDER AND BRANCH CIRCUIT CABLES OF 8 GAUGE WIRE (AWG) OR SMALLER, SHALL BE THE REQUIRED COLOR THE ENTIRE LENGTH OF THE CIRCUIT.
4. STRIPING AND RE-IDENTIFICATION. STRIPING AND RE-IDENTIFICATION WHEN PERMITTED SHALL BE ACCOMPLISHED BY:
    A. PERMANENT COLORING OR TAPING OF 2 INCH RINGS AT 5 INCH INTERVALS; OR
    B. A PERMANENT COLORED STRIPE THE LENGTH OF THE WIRE.

PART 128.2 ALUMINUM CONDUCTORS PROHIBITED 8AWG AND SMALLER. ALUMINUM CONDUCTORS OF SIZES 8 (AWG) AND SMALLER AMERICAN WIRE GAUGE ARE STRICTLY PROHIBITED FROM USE.

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

PART 128.4 FOOTING GROUND REQUIRED. THE GROUNDING ELECTRODE FOR ALL NEW BUILDINGS SHALL BE CONCRETE ENCASED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE, AS AMENDED.

PART 128.5 INSULATED SPLICING DEVICES. INSULATED SPLICING DEVICES DESIGNED TO BE USED WITHOUT A BOX SHALL BE ACCESSIBLE.

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

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

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

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

PART 128.8 SUPERVISION OF SOLAR PHOTOVOLTAIC INSTALLATIONS. ALL PHASES OF SOLAR PHOTOVOLTAIC INSTALLATIONS, REPAIRS AND/OR MODIFICATIONS SHALL BE PERFORMED UNDER THE SUPERVISION OF A LICENSED ELECTRICIAN QUALIFIED TO INSTALL SUCH SOLAR PHOTOVOLTAIC INSTALLATIONS.

PART 128.8.1 INSTALLATION OF SOLAR PHOTOVOLTAIC SYSTEMS. NEW PHOTOVOLTAIC SYSTEMS, OR EXTENSIONS OF EXISTING SYSTEMS SHALL ALSO COMPLY WITH SECTION 11.12 PHOTOVOLTAIC SYSTEMS OF NFPA 1, FIRE CODE, 2015 EDITION.

EXCEPTION: DETACHED, NONHABITABLE GROUP U STRUCTURES INCLUDING, BUT NOT LIMITED TO, PARKING SHADE STRUCTURES, CARPORTS, SOLAR TRELLISES AND SIMILAR STRUCTURES SHALL NOT BE SUBJECT TO THE REQUIREMENTS OF THIS PART.

PART 128.9 SOLAR PHOTOVOLTAIC SUPPLY SIDE CONNECTION TO UTILITY. WHERE SOLAR PHOTOVOLTAIC SYSTEMS ARE CONNECTED TO THE UTILITY ON THE SUPPLY SIDE OF THE SERVICE DISCONNECT, THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE, ARTICLE 230 SHALL APPLY TO THE INSTALLATION. GROUNDING AND BONDING REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE, ARTICLE 250 FOR SERVICES SHALL APPLY. THE UNFUSED PHOTOVOLTAIC SUPPLY SIDE CONDUCTORS SHALL BE KEPT AS SHORT AS PRACTICABLE AND MUST BE IN A RACEWAY.

PART 128.10 INTENTIONALLY LEFT BLANK.

PART 128.11 SOLAR PHOTOVOLTAIC WIRING. NO PART OF THE PHOTOVOLTAIC WIRING OR GROUNDING SYSTEM IS PERMITTED TO OBSTRUCT THE NORMAL FLOW OF WATER OFF THE ROOF. THE FINAL WIRING FROM THE LAST MODULAR OF THE ARRAY TO THE COMBINER OR JUNCTION BOX MUST BE IN A RACEWAY OR TRACK.

PART 128.12 GENERATORS. ALL GENERATORS SHALL COMPLY WITH THIS CODE AS WELL AS THE LATEST EDITIONS OF NFPA 37 STANDARD FOR THE INSTALLATION AND USE OF STATIONARY COMBUSTION ENGINES AND GAS TURBINES, AND NFPA 110 STANDARD FOR EMERGENCY AND STANDBY POWER SYSTEMS. INSTALLATION AND USE SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

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

PART 128.12.2 GENERATOR EXHAUST. ALL GENERATORS SHALL BE POSITIONED SO THAT THE EXHAUST POINT OF DISCHARGE IS AS FOLLOWS:

1. AT LEAST 5 FT IN ANY DIRECTION AWAY FROM ANY OPENINGS OR AIR INTAKES.
2. AT LEAST 5 FT AWAY FROM A BUILDING.
3. AT LEAST 5 FT AWAY FROM A PROPERTY LINE.

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

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

2. FUELING FROM A CONTAINER SHALL ONLY BE PERMITTED WHEN THE ENGINE IS SHUT DOWN AND ENGINE SURFACE TEMPERATURE IS BELOW THE AUTOIGNITION TEMPERATURE OF THE FUEL.
3. A PORTABLE GENERATOR SHALL BE ALLOWED TO BE UTILIZED AS A SOURCE OF POWER FOR A MAXIMUM OF 30 DAYS IN ANY CONSECUTIVE 12-MONTH PERIOD.
4. TEMPORARY WIRING METHODS MAY BE ACCEPTABLE ONLY IF APPROVED BASED ON THE CONDITIONS OF USE. EXCEPT AS MAY BE SPECIFICALLY MODIFIED IN THE LATEST EDITION OF NFPA 70, ALL OTHER REQUIREMENTS OF NFPA 70 FOR PERMANENT WIRING SHALL APPLY TO TEMPORARY WIRING INSTALLATIONS.
5. EXTENSION CORDS AND FLEXIBLE CORDS SHALL NOT BE AFFIXED TO STRUCTURES, EXTEND THROUGH WALLS, CEILINGS, OR FLOORS, OR UNDER DOORS OR FLOOR COVERINGS, OR BE SUBJECT TO ENVIRONMENTAL OR PHYSICAL DAMAGE AND, UNLESS SPECIFICALLY PERMITTED IN ARTICLE 400.7 OF NFPA 70, FLEXIBLE CORDS AND CABLES SHALL NOT BE USED AS A SUBSTITUTE FOR THE FIXED WIRING OF A STRUCTURE.
6. DEVIATIONS FROM REQUIREMENTS 1 AND 4 ABOVE DURING PERIODS OF CONSTRUCTION, REMODELING, REPAIR OR DEMOLITION UNDER A VALID BUILDING PERMIT SHALL BE SUBJECT TO THE APPROVAL OF THE CODE OFFICIAL.

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

PART 128.15 ELECTRICAL RECEPTACLE REQUIRED FOR NEW OR REPLACEMENT DECK, BALCONY OR PORCH. WHEN THE CONSTRUCTION OF A DECK, BALCONY OR PORCH IN ANY EXISTING RESIDENTIAL OCCUPANCY REQUIRES ELECTRICAL MODIFICATIONS, ALTERATIONS, REPAIRS, OR INSTALLATION, AN OUTDOOR RECEPTACLE SHALL BE INSTALLED TO SERVE THE DECK, BALCONY OR PORCH IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE, 2014 EDITION.

PART 128.16 GROUNDED CONDUCTORS AT WALL SWITCH OUTLET LOCATIONS: DELETE ARTICLE 404.2(C) FROM THE NATIONAL ELECTRICAL CODE, 2014 EDITION, ADD THE FOLLOWING: A GROUNDED BRANCH CIRCUIT CONDUCTOR SHALL BE INSTALLED AT EACH WALL SWITCH OUTLET LOCATION.

PART 128.17 POOL PERIMETER AREA BONDING REQUIREMENTS:

DELETE ARTICLE 680.26(B)(2)(b) FROM THE NATIONAL ELECTRICAL CODE ("NEC"), 2014 EDITION, ADD THE FOLLOWING:

WHERE STRUCTURAL REINFORCING STEEL IS NOT AVAILABLE OR IS ENCAPSULATED IN A NONCONDUCTIVE COMPOUND, PERIMETER SURFACE BONDING SHALL BE ACCOMPLISHED BY ONE OR MORE OF THE FOLLOWING METHODS:

1. A COPPER CONDUCTOR GRID CONSTRUCTED OF MINIMUM 8 AWG BARE SOLID COPPER CONDUCTORS BONDED TO EACH OTHER AT ALL POINTS OF CROSSING. THE COPPER CONDUCTOR GRID SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF NEC ARTICLE 680.26(B)(1)(b)(3).
2. WELDED CONCRETE REINFORCING WIRE BONDED TOGETHER TO FORM A SINGLE GRID ENCOMPASSING THE SURFACE AREA DEFINED IN NEC ARTICLE 680.26(B)(2).
3. UN-ENCAPSULATED STRUCTURAL REINFORCING STEEL BONDED TOGETHER BY STEEL TIE WIRES OR THE EQUIVALENT. THE STEEL GRID SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF NEC ARTICLE 680.26(B)(1)(b)(3).

WHERE THE PERIMETER SURFACE DEFINED IN NEC ARTICLE 680.26(B)(2) IS:

1. POURED CONCRETE.
   A. ONE OR MORE OF THE METHODS DESCRIBED IN THIS SECTION SHALL BE ENCASED IN THE POURED CONCRETE.
2. NATURAL GRADE.
   A. A COPPER CONDUCTOR GRID AS DESCRIBED IN THIS SECTION SHALL BE INSTALLED BENEATH THE FINAL GRADE.
3. PAVERS.
   A. ON NATURAL GRADE (WITH OR WITHOUT A SUBSURFACE).
      I. A COPPER CONDUCTOR GRID AS DESCRIBED IN THIS SECTION SHALL BE INSTALLED BENEATH THE FINAL GRADE.
   B. ON POURED CONCRETE.
      I. WHERE PAVERS ARE INSTALLED ON TOP OF POURED CONCRETE THE FINISHED SURFACE SHALL BE CONSIDERED TO BE A POURED CONCRETE SURFACE. ONE OR MORE OF THE METHODS DESCRIBED IN THIS SECTION SHALL BE ENCASED IN THE POURED CONCRETE.

PART 129 PLUMBING SYSTEMS.

PART 129.1 MINIMUM NUMBER OF FIXTURES. PLUMBING FIXTURES PROVIDED IN ACCORDANCE WITH CHAPTER 29 OF THE INTERNATIONAL BUILDING CODE, 2015 EDITION

SHALL BE DEEMED COMPLIANT WITH THE REQUIREMENTS OF THE BALTIMORE COUNTY PLUMBING AND GASFITTING CODE FOR FIXTURE COUNT.

PART 200. INTERNATIONAL BUILDING CODE. THIS PART SETS FORTH ADDITIONS TO, AMENDMENTS TO, AND DELETIONS FROM, THE INTERNATIONAL BUILDING CODE, 2015 EDITION, IN ACCORDANCE WITH BILL 40-15, THE BUILDING CODE OF BALTIMORE COUNTY.

PART 201. THE FOLLOWING CHAPTERS AND SECTIONS ARE DELETED FROM THE INTERNATIONAL BUILDING CODE, 2015 EDITION: 101.1; 101.2; 101.4; 101.4.1; 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; 110.3; 113.1; 113.3; 114.3; 115.3; 116.3; 201.3; SECTION 202 DEFINITIONS HIGH-RISE BUILDING AND FOSTER CARE FACILITIES; 305.2; 308.6.1; 402.4.2; 402.4.2.1; 402.4.2.2.1; 402.4.3; 402.4.3.1; 402.8.1.1; 403.1; 403.2.1.2; 403.4.5; 403.6.1; 704.3; 718.3.1; 903.2.11.3; 903.3.1.1.2; 903.3.2; 905.3.1; 905.3.2; 905.3.3; 907.1.2; 907.2.13.2; 913.4; EXCEPTION TO 1005.3.1; EXCEPTION TO 1005.3.2; CHAPTER 11 ACCESSIBILITY; 1607.12.2; 1607.12.3; 1607.12.3.1; TABLE 1807.1.6.3(1); NOTE C; 1807.2, 1809.5 EXCEPTION 2; APPENDIX C-C102.2.

PART 202. THE FOLLOWING ARE ADDED TO THE INTERNATIONAL BUILDING CODE, 2015 EDITION: FLOATING PIER; FIXED PIER; FOSTER CARE FACILITIES; HIGH-RISE BUILDING; PIER; SECTION 402.5 AUTOMATIC SPRINKLER SYSTEM: ADDITIONAL REQUIREMENTS 6, 7 AND 8; SECTION 402.6.2 KIOSKS ADDITIONAL REQUIREMENT 5; SECTION 403.3.2 WATER SUPPLY TO REQUIRED FIRE PUMPS SECOND EXCEPTION; SECTION 706.6 VERTICAL CONTINUITY EXCEPTION 4.4.4; TABLE 1807.1.6.3(1) NOTE C.

PART 203. THE FOLLOWING CHAPTERS AND SECTIONS, COLLECTIVELY REFERRED TO AS THE LOCAL AMENDMENTS TO THE INTERNATIONAL BUILDING CODE, 2015 EDITION ARE ADDED.

CHAPTER 2 – DEFINITIONS

SECTION 201 GENERAL.

SECTION 201.3 TERMS DEFINED IN OTHER CODES. WHERE TERMS ARE NOT DEFINED IN THIS CODE AND ARE DEFINED IN THE INTERNATIONAL BUILDING CODE, 2015 EDITION, INTERNATIONAL RESIDENTIAL CODE, 2015 EDITION, BALTIMORE COUNTY FIRE PREVENTION CODE INCLUDING NFPA 101 LIFE SAFETY CODE, 2015 EDITION, AND NFPA 1 FIRE CODE, 2015 EDITION, INTERNATIONAL MECHANICAL CODE, 2015 EDITION, THE BALTIMORE COUNTY PLUMBING AND GASFITTING CODE, BALTIMORE COUNTY LIVABILITY CODE, INTERNATIONAL EXISTING BUILDING CODE, 2015 EDITION, NATIONAL ELECTRICAL CODE, 2014 EDITION, OR INTERNATIONAL ENERGY CONSERVATION CODE,

2015 EDITION, SUCH TERMS SHALL HAVE THE MEANINGS ASCRIBED TO THEM AS IN THOSE CODES.

SECTION 202 DEFINITIONS

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

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

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

Add – HIGH-RISE BUILDING. SEE SECTION 403.1

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

CHAPTER - 3 USE AND OCCUPANCY CLASSIFICATION

SECTION 305 EDUCATIONAL GROUP E

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

SECTION 308 INSTITUTIONAL GROUP I

SECTION 308.6.1 CLASSIFICATION AS GROUP E. A CHILD DAY CARE FACILITY THAT PROVIDES CARE FOR MORE THAN FIVE BUT NO MORE THAN 100 CHILDREN LESS THAN 24 MONTHS OF AGE, WHERE THE ROOMS IN WHICH THE CHILDREN ARE CARED FOR ARE LOCATED ON A LEVEL OF EXIT DISCHARGE SERVING SUCH ROOMS, AND EACH OF THESE CHILD CARE ROOMS HAS AN EXIT DOOR NO MORE THAN 21 INCHES ABOVE OR BELOW OUTSIDE GRADE DIRECTLY TO THE EXTERIOR, SHALL BE CLASSIFIED AS USE GROUP E.

SECTION 310 RESIDENTIAL GROUP R

SECTION 310.5.3 DAY-CARE HOME: CHILD CARE FACILITIES WHEN LOCATED IN RESIDENTIAL OCCUPANCIES, THAT PROVIDE ACCOMMODATIONS FOR SIX CLIENTS AND NO MORE THAN 12 CLIENTS, WITH NOT MORE THAN FIVE CHILDREN UNDER THE AGE OF 24 MONTHS, FOR LESS THAN 24 HOURS SHALL COMPLY WITH THE REQUIREMENTS OF THIS

CODE FOR R-3 USES AS WELL AS NFPA 101 "LIFE SAFETY CODE", 2015 EDITION, SECTION 16.6.

SECTION 310.6.1 RESIDENTIAL GROUP R-4: R-4 RESIDENTIAL OCCUPANCIES SHALL ALSO COMPLY WITH NFPA 101 "LIFE SAFETY CODE", 2015 EDITION, SECTIONS 32-1 AND 32-2.

CHAPTER 4 - SPECIAL DETAILED REQUIREMENTS BASED ON USE AND OCCUPANCY

SECTION 402 COVERED MALLS AND OPEN MALL BUILDINGS

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

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

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

SECTION 402.4.2.2.1 OPENINGS BETWEEN ANCHOR BUILDING AND COVERED MALL. EXCEPT FOR THE SEPARATION BETWEEN GROUP R-1 SLEEPING UNITS AND THE MALL, OPENINGS BETWEEN ANCHOR BUILDINGS OF TYPE 1A, 1B, 11A AND 11B CONSTRUCTION AND THE MALL NEED NOT BE PROTECTED, EXCEPT AS REQUIRED BY SECTION 402.5.

SECTION 402.4.3 OPEN MALL CONSTRUCTION. FLOOR ASSEMBLIES IN, AND ROOF ASSEMBLIES OVER, THE OPEN MALL OF AN OPEN MALL BUILDING SHALL BE OPEN TO THE ATMOSPHERE FOR NOT LESS THAN 30 FEET, MEASURED PERPENDICULAR FROM THE FACE OF THE TENANT SPACES ON THE LOWEST LEVEL, FROM EDGE OF BALCONY TO EDGE OF BALCONY ON UPPER FLOORS AND FROM EDGE OF ROOF LINE TO EDGE OF ROOF LINE. THE OPENINGS WITHIN, OR THE UNROOFED AREA OF, AN OPEN MALL SHALL EXTEND FROM THE LOWEST/GRADE LEVEL OF THE OPEN MALL THROUGH THE ENTIRE ROOF

ASSEMBLY. BALCONIES ON UPPER LEVELS OF THE MALL SHALL NOT PROJECT INTO THE REQUIRED WIDTH OF THE OPENING.

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

SECTION 402.5 AUTOMATIC SPRINKLER SYSTEM: ADD ADDITIONAL REQUIREMENTS 6, 7 AND 8 AS FOLLOWS:

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

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

8. IF APPROVED BY THE CODE OFFICIAL, AN INDEPENDENTLY CONTROLLED TENANT SPACE MAY INCLUDE A CONNECTION WITH A DRAIN TO ALLOW FOR A PAN HANDLE BLANK TO BE INSTALLED TO ISOLATE THE TENANT SPACE FROM THE REMAINDER OF THE SPRINKLER SYSTEM DURING TIMES OF SPRINKLER SYSTEM ALTERATION.

SECTION 402.6.2 KIOSKS. ADD ADDITIONAL REQUIREMENT 5 AS FOLLOWS:

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

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

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

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

SECTION 402.6.8 ASSEMBLY USES WITHIN COVERED MALL. ASSEMBLY USES WITHIN THE COVERED MALL SHALL COMPLY WITH THE FOLLOWING:

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

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

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

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

SECTION 403 HIGH-RISE BUILDINGS.

SECTION 403.1 APPLICABILITY. THE PROVISIONS OF THIS SECTION SHALL APPLY TO ALL BUILDINGS USED FOR HUMAN OCCUPANCY WHEN THE BUILDINGS ARE 75'-0" (22860 MM) OR MORE IN HEIGHT, AS MEASURED FROM THE LOWEST ELEVATION OF A PUBLIC OR PRIVATE PUBLIC WAY OVER 21 FEET WIDE USED AS A REFERENCE DATUM AT A POINT 6'-0" FROM THE BUILDING UPWARD TO THE EAVE OF A PITCHED ROOF OR THE TOP OF A PARAPET OR THE POINT OF FIRE DEPARTMENT ACCESS ON A NON-PITCH ROOF. THIS PUBLIC WAY SHALL NOT BE FURTHER FROM THE BUILDING THAN WILL ALLOW A 100 FOOT AERIAL LADDER TO REACH A HEIGHT OF 75 FEET (22860 MM) AT THE BUILDING AND SHALL BE AVAILABLE ON AT LEAST TWO SIDES.

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

1. AIRPORT TRAFFIC CONTROL TOWERS IN ACCORDANCE WITH SECTION 412.3
2. OPEN PARKING GARAGES IN ACCORDANCE WITH SECTION 406.5.
3. BUILDINGS WITH AN OCCUPANCY IN GROUP A-5 IN ACCORDANCE WITH SECTION 303.6.

4. SPECIAL INDUSTRIAL OCCUPANCIES IN ACCORDANCE WITH SECTION 503.1.1.

5. BUILDINGS WITH AN OCCUPANCY IN GROUP H-1, H-2 OR H-3 IN ACCORDANCE WITH SECTION 415.

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

SECTION 403.3.2 WATER SUPPLY TO REQUIRED FIRE PUMPS.

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

SECTION 403.4.5 EMERGENCY RESPONDER RADIO COVERAGE. EMERGENCY RESPONDER RADIO COVERAGE SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 916.

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

SECTION 403.4.8.5 EMERGENCY ELECTRIC POWER FEED. PRIMARY AND EMERGENCY ELECTRIC POWER FEED LINES FOR STANDBY AND EMERGENCY POWER SYSTEMS REQUIRED BY SECTIONS 403.4.8 AND 403.4.9 SHALL NOT BE INSTALLED IN THE SAME UTILITY SHAFT, AND SHALL BE SEPARATED BY SUFFICIENT DISTANCE OR PROTECTION SO AS TO INSURE ANY SINGLE OCCURRENCE WOULD NOT RENDER BOTH PRIMARY AND EMERGENCY/STANDBY POWER FEEDS INOPERATIVE.

SECTION 403.6.1 FIRE SERVICE ACCESS ELEVATOR. IN BUILDINGS WITH AN OCCUPIED FLOOR MORE THAN 100 FEET ABOVE THE LOWEST LEVEL OF FIRE DEPARTMENT VEHICLE ACCESS, A MINIMUM OF ONE FIRE SERVICE ACCESS ELEVATOR SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 3007, AND IN BUILDINGS WITH AN OCCUPIED FLOOR MORE THAN 120 FEET (36 576 MM) ABOVE THE LOWEST LEVEL OF FIRE DEPARTMENT VEHICLE ACCESS, NO FEWER THAN TWO FIRE SERVICE ACCESS ELEVATORS, OR ALL ELEVATORS, WHICHEVER IS LESS, SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 3007. EACH

FIRE SERVICE ACCESS ELEVATOR SHALL HAVE A CAPACITY OF NOT LESS THAN 3500 POUNDS (1588 KG).

SECTION 407 GROUP I-2.

SECTION 407.11 EMERGENCY RESPONDER RADIO COVERAGE.

EMERGENCY RESPONDER RADIO COVERAGE SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 916 IN NEWLY CONSTRUCTED HOSPITAL BUILDINGS AND ADDITIONS TO EXISTING HOSPITALS.

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

SECTION 415.1.2. FIRE FIGHTER SAFETY BUILDING MARKING SYSTEM REQUIRED. BUILDINGS AND STRUCTURES CLASSIFIED AS USE GROUP H SHALL HAVE FIRE FIGHTER SAFETY BUILDING MARKING SYSTEM SIGNAGE IN COMPLIANCE WITH ANNEX F "FIRE FIGHTER SAFETY BUILDING MARKING SYSTEM" OF THE LATEST EDITION OF NFPA 1 FIRE CODE.

CHAPTER - 5 GENERAL BUILDING HEIGHTS AND AREAS.

SECTION 506 BUILDING AREA.

SECTION 506.3.1.1 OPEN SPACE LIMITS. SUCH OPEN SPACE SHALL BE EITHER ON THE SAME LOT OR DEDICATED FOR PUBLIC USE AND SHALL BE ACCESSED FROM A STREET OR APPROVED FIRE LANE IN ACCORDANCE WITH NFPA 1, FIRE CODE, 2015 EDITION, SECTION 18.2 AND SHALL BE LOCATED WITHIN 30 FEET OF THE BUILDING FOR ENTIRE LENGTH OF THE BUILDING RECEIVING FRONTAGE INCREASE PER SECTION 506.3. SECTION 18.2.3.2.2.1 OF NFPA 1 SHALL NOT APPLY.

SECTION 507 UNLIMITED AREA BUILDINGS.

SECTION 507.2.2 FIRE LANES REQUIRED. OPEN SPACE REQUIRED FOR UNLIMITED AREA BUILDINGS SHALL BE PROVIDED WITH A STREET OR AN APPROVED FIRE LANE IN ACCORDANCE WITH LATEST EDITION OF NFPA 1, FIRE CODE, SECTION 18.2, AND SHALL BE LOCATED WITHIN 30 FT OF THE ENTIRE LENGTH OF THE BUILDING. SECTION 18.2.3.2.2.1 OF NFPA 1 SHALL NOT APPLY.

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

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

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

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

CHAPTER 7 - FIRE RESISTANCE-RATED CONSTRUCTION.

SECTION 703 FIRE-RESISTANCE RATINGS AND FIRE TESTS.

SECTION 703.7.1 LABELING OF FIRE WALLS. ALL FIRE WALLS SHALL BE PLACARDED OR STENCILED ON BOTH SIDES WITH THE PHRASE "FIRE WALL". THE LETTERS SHALL BE RED IN COLOR, 6 INCHES HIGH AND A MINIMUM OF ¾ INCH WIDE. THE PHRASE SHALL BE WRITTEN ONCE FOR EACH 15 FEET OF HORIZONTAL WALL LENGTH. SIGNAGE MAY BE LOCATED IN THE CONCEALED SPACE ABOVE A CEILING.

SECTION 704 FIRE-RESISTANCE RATING OF STRUCTURAL MEMBERS.

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

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

SECTION 706.6 VERTICAL CONTINUITY.

ADD EXCEPTION 4.4.4: ANY GAP BETWEEN THE TOP OF THE WALL OR NAILING STRIP AND THE UNDERSIDE OF THE DECK SHALL BE FILLED WITH APPROVED FIREPROOF FLEXIBLE INSULATION INSTALLED IN ACCORDANCE WITH ITS LISTING.

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

CHAPTER 9 - FIRE PROTECTION SYSTEMS.

SECTION 901 GENERAL.

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

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

SECTION 901.10 YARD HYDRANTS.

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

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

SECTION 903 AUTOMATIC SPRINKLER SYSTEMS.

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

SECTION 903.1.3 CONSTRUCTION DOCUMENTS AND DESIGN. DESIGN OF PLANS AND PREPARATION OF CALCULATIONS FOR AUTOMATIC SPRINKLER AND SPRAY FIRE SUPPRESSION SYSTEMS, FIRE STANDPIPE SYSTEMS AND FIRE PUMPS SHALL BE PREPARED UNDER THE SUPERVISION OF A REGISTERED PROFESSIONAL ENGINEER, COMPETENT IN THE FIELD OF FIRE PROTECTION ENGINEERING AND AUTOMATIC SPRINKLER SYSTEM DESIGN OR A CERTIFIED ENGINEERING TECHNICIAN POSSESSING A LEVEL III OR HIGHER CERTIFICATION IN AUTOMATIC SPRINKLER SYSTEM LAYOUT FROM THE NATIONAL INSTITUTE OF CERTIFICATION IN ENGINEERING TECHNOLOGIES ("NICET"). PLANS SHALL BE SIGNED GIVING NICET LEVEL AND CERTIFICATION NUMBER, OR BY SEAL OF A PROFESSIONAL ENGINEER COMPETENT IN THE FIELD OF FIRE PROTECTION ENGINEERING WHO IS REGISTERED IN THE STATE OF MARYLAND.

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

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

SECTION 903.1.6 EXPEDITED AUTOMATIC SPRINKLER SYSTEM PERMIT. THE CODE OFFICIAL SHALL HAVE THE AUTHORITY TO ESTABLISH AND AMEND PROCEDURES AND REQUIREMENTS FOR EXPEDITED AUTOMATIC SPRINKLER PERMITS. THE CODE OFFICIAL SHALL HAVE THE AUTHORITY TO DENY ANY REQUEST FOR AN EXPEDITED SPRINKLER PERMIT.

SECTION 903.2.8.5 ADDITIONS, RENOVATIONS AND FIRE DAMAGE REPAIR TO EXISTING RESIDENTIAL BUILDINGS.

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

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

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

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

EXCEPTIONS:

1. AIRPORT CONTROL TOWERS.
2. FREE STANDING OPEN PARKING STRUCTURES.
3. OCCUPANCIES IN GROUP F-2.

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

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

SECTION 903.3.1.1.3 MINIMUM BASE OF RISER DEMAND. MINIMAL WATER SUPPLY REQUIREMENTS SHALL BE AS FOLLOWS:

LIGHT HAZARD	150 gpm
ORDINARY GROUP 1 HAZARD	600 gpm
ORDINARY GROUP 2 HAZARD	750 gpm
OR A HIGHER HAZARD	750 gpm

SECTION 903.3.1.1.4 SAFETY MARGIN. A MINIMUM 5 PSI SAFETY MARGIN SHALL BE PROVIDED IN THE HYDRAULIC CALCULATIONS FOR ALL WATER BASED FIRE PROTECTION SYSTEMS WHEN THE SYSTEMS ARE FED FROM A MUNICIPAL WATER SUPPLY.

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

1. IN ALL HIGH-RISE, INSTITUTIONAL AND ASSEMBLY OCCUPANCIES.
2. ALL RESIDENTIAL OCCUPANCIES.
3. LIGHT-HAZARD OCCUPANCIES AS DEFINED IN NFPA 13.
4. IN ANCILLARY AREAS IN THE ABOVE OCCUPANCIES, UNLESS OTHERWISE ALLOWED BY THE CODE OFFICIAL.
5. SMOKE COMPARTMENTS CONTAINING TREATMENT ROOMS IN AMBULATORY CARE FACILITIES.

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

SECTION 903.4 SPRINKLER SYSTEM MONITORING AND ALARMS

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

SECTION 903.4.1.2 AUTOMATIC SPRINKLER, STANDPIPE AND FIRE PUMP SYSTEMS. AUTOMATIC SPRINKLERS, STANDPIPES AND FIRE PUMPS IN NEW BUILDINGS AND EXISTING BUILDINGS SHALL BE MAINTAINED BY LOCKING VALVES IN THE OPEN POSITION, AS REQUIRED BY THE BALTIMORE COUNTY FIRE DEPARTMENT, AND ONE OF THE FOLLOWING METHODS:

1. APPROVED CENTRAL STATION SYSTEM IN ACCORDANCE WITH THE LATEST EDITION OF NFPA 72, NATIONAL FIRE ALARM AND SIGNALING CODE, LISTED IN CHAPTER 35.

2. APPROVED PROPRIETARY SYSTEM IN ACCORDANCE WITH THE LATEST EDITION OF NFPA 72, NATIONAL FIRE ALARM AND SIGNALING CODE, LISTED IN CHAPTER 35.

3. APPROVED REMOTE STATION SYSTEM OF THE JURISDICTION IN ACCORDANCE WITH THE LATEST EDITION OF NFPA 72, NATIONAL FIRE ALARM AND SIGNALING CODE, LISTED IN CHAPTER 35.

4. APPROVED LOCAL ALARM SERVICE THAT WILL CAUSE THE SOUNDING OF AN AUDIBLE SIGNAL AT A CONSTANTLY ATTENDED LOCATION IN ACCORDANCE WITH THE LATEST EDITION OF NFPA 72, NATIONAL FIRE ALARM AND SIGNALING CODE.

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

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

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

SECTION 903.8 ATRIUM SPRINKLERS. AUTOMATIC SPRINKLER PROTECTION SERVING THE ATRIUM SHALL BE UNDER THE CONTROL OF A SEPARATE SECTIONAL CONTROL

VALVE LOCATED AND ARRANGED IN A MANNER APPROVED BY THE FIRE DEPARTMENT OR CODE OFFICIAL.

SECTION 905 STANDPIPE SYSTEMS

SECTION 905.2.1 NFPA 14 STANDARD EDITION. EDITION YEAR OF NFPA 14, STANDARD FOR THE INSTALLATION OF STANDPIPE AND HOSE SYSTEMS, SHALL BE THE EDITION YEAR REQUIRED BY THE BALTIMORE COUNTY FIRE PREVENTION CODE.

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

EXCEPTION: IN NON-HIGH-RISE BUILDINGS EQUIPPED WITH COMPLETE AUTOMATIC SPRINKLER PROTECTION IN ACCORDANCE WITH THE LATEST EDITION OF NFPA 13, OR BUILDINGS EQUIPPED WITH A NFPA 13R AUTOMATIC SPRINKLER SYSTEM WHERE HEIGHT DOES NOT EXCEED 3 STORIES OF TYPE V CONSTRUCTION OR 4 STORIES OF TYPE I, II, III OR IV CONSTRUCTION TYPE, STANDPIPE RISERS SHALL BE DESIGNED TO DELIVER THE REQUIRED STANDPIPE FLOW ("GPM") AT A POSITIVE RESIDUAL PRESSURE AT THE TOPMOST HOSE OUTLET PROVIDED THAT THE MINIMUM PIPE SIZE FOR STANDPIPES IS 4 INCHES AND IT IS SHOWN THAT THE STANDPIPE DEMAND AT 100 PSI DISCHARGE AT THE TOPMOST OUTLET CAN BE SUPPLIED BY A 1250 GPM FIRE DEPARTMENT PUMPER AT 150 PSI DISCHARGE AT THE FIRE DEPARTMENT CONNECTION.

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

EXCEPTIONS:

1. CLASS I SEMIAUTOMATIC-DRY STANDPIPE SYSTEM MAY BE ALLOWED IN AREAS SUBJECT TO FREEZING SUBJECT TO APPROVAL OF THE CODE OFFICIAL.
2. CLASS I MANUAL STANDPIPES ARE ALLOWED IN OPEN PARKING GARAGES WHERE THE HIGHEST FLOOR IS LOCATED NOT MORE THAN 150 FEET (45720 MM) ABOVE THE LOWEST LEVEL OF FIRE DEPARTMENT VEHICLE ACCESS.
3. CLASS I MANUAL DRY STANDPIPES ARE ALLOWED IN OPEN PARKING GARAGES THAT ARE SUBJECT TO FREEZING TEMPERATURES, PROVIDED THAT THE HOSE

CONNECTIONS ARE LOCATED AS REQUIRED FOR CLASS II STANDPIPES IN ACCORDANCE WITH SECTION 905.5.

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

4.1 RECESSED LOADING DOCKS FOR FOUR VEHICLES OR LESS; AND

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

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

EXCEPTIONS:

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

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

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

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

2. THERE SHALL BE A FIRE DEPARTMENT STANDPIPE SYSTEM PROVIDED IN ALL ANCHOR STORES ATTACHED TO A MALL STRUCTURE. THE STANDPIPE SYSTEM SHALL BE INDEPENDENT OF THE ANCHOR STORE AUTOMATIC SPRINKLER SYSTEM AND BE CAPABLE OF DELIVERING 250 GALLONS PER MINUTE AT 50 PSI DISCHARGE PRESSURE AT THE MOST REMOTE HOSE CONNECTION WITH AN OUTLET LOCATED WITHIN EACH ENTRANCE TO AN EXIT PASSAGEWAY, CORRIDOR OR ENCLOSED STAIRWAY, AT EXTERIOR EXITS, AND AT EACH ESCALATOR FLOOR OPENING.

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

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

SECTION 910 SMOKE AND HEAT VENTS.

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

SECTION 913 FIRE PUMPS.

SECTION 913.1.1 NFPA 20 STANDARD EDITION. EDITION YEAR OF NFPA 20, STANDARD FOR THE INSTALLATION OF STATIONARY PUMPS FOR FIRE PROTECTION, SHALL BE THE EDITION YEAR REQUIRED BY THE BALTIMORE COUNTY FIRE PREVENTION CODE.

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

CHAPTER 10 - MEANS OF EGRESS.

SECTION 1003 GENERAL MEANS OF EGRESS.

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

SECTION 1013 EXIT SIGNS.

SECTION 1013.1.1 COLOR. EXIT SIGNS SHALL HAVE GREEN LETTERS ON A WHITE BACKGROUND OR IN ANOTHER APPROVED DISTINGUISHABLE BACKGROUND COLOR.

SECTION 1015 GUARDS.

SECTION 1015.1.1 RETAINING WALLS. GUARDS SHALL BE PROVIDED FOR ALL RETAINING WALLS 4 FEET OR HIGHER.

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

CHAPTER 11- ACCESSIBILITY.

SECTION 1101 GENERAL.

SECTION 1101.1 SCOPE. THE PROVISIONS OF THIS CHAPTER SHALL CONTROL THE DESIGN AND CONSTRUCTION OF FACILITIES FOR ACCESSIBILITY FOR INDIVIDUALS WITH DISABILITIES.

SECTION 1101.2 DESIGN. BUILDINGS AND FACILITIES SHALL BE DESIGNED AND CONSTRUCTED TO BE ACCESSIBLE IN ACCORDANCE WITH THE MARYLAND ACCESSIBILITY CODE SET FORTH IN COMAR 05.02.02, AS AMENDED.

CHAPTER 16 - STRUCTURAL DESIGN.

SECTION 1607 LIVE LOADS.

SECTION 1607.3.1 UNIFORM LIVE LOADS PIERS.

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

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

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

SECTION 1607.12.2 MINIMUM ROOF LIVE LOADS. ORDINARY ROOFS, EITHER FLAT, PITCHED, OR CURVED, SHALL BE DESIGNED FOR THE LIVE LOADS AS SPECIFIED IN TABLE 1607.12 OR THE SNOW LOAD COMPUTED BY THE METHODS OF SECTION 1608, WHICHEVER RESULTS IN THE GREATER DESIGN LOAD WITH NO REDUCTIONS IN LIVE LOADS PERMITTED.

SECTION 1607.12.2.1 RISK CATEGORY OF BUILDINGS MINIMUM ROOF LOADS. RISK CATEGORIES PER TABLE 1604.5 SHALL HAVE MINIMUM ROOF LOADS BY APPLYING RISK

CATEGORY IMPORTANCE FACTORS TO TABLE 1607.12 AND SECTION 1608 SNOW LOADS WHICH EVER IS THE GREATER RESULTANT ROOF LOAD.

TABLE 1607.12
MINIMUM ROOF LOADS

ROOF SLOPE	LIVE LOAD (PSF)
FLAT/FLAT OR RISE< 4/12	30
PITCHED RISE 4/12 to <12/12	30
RISE 12/12 OR GREATER	30
ARCH OR DOME WITH RISE <1/8 SPAN	30
CURVED ARCH OR DOME WITH 1/8 SPAN TO <3/8 SPAN	30
ARCH OR DOME WITH RISE 3/8 SPAN OR GREATER	30

SECTION 1607.12.3. OCCUPIABLE ROOFS. AREAS OF ROOFS THAT ARE OCCUPIABLE, SUCH AS ROOF GARDENS, OR FOR PUBLIC ASSEMBLY OR OTHER SIMILAR PURPOSES, AND MARQUEES SHALL BE DESIGNED FOR MINIMUM LIVE LOAD AS REQUIRED IN TABLE 1607.10, WITH NO REDUCTION IN ROOF LOADS.

SECTION 1607.12.3.1 LANDSCAPED ROOFS. WHERE ROOFS ARE TO BE LANDSCAPED, THE UNIFORM DESIGN LIVE LOAD IN THE LANDSCAPING AREA SHALL BE 30 PSF IN ADDITION TO DESIGN LIVE LOADS REQUIRED BY TABLE 1607.12. THE WEIGHT OF THE LANDSCAPING MATERIALS SHALL BE CONSIDERED AS DEAD LOAD AND SHALL BE COMPUTED ON THE BASIS OF SATURATION OF THE SOIL.

SECTION 1608 SNOW LOADS.

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

SECTION 1609 WIND LOADS.

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

SECTION 1609.3.3 MINIMUM DESIGN WIND LOADS. WIND LOADS FOR ALL RISK CATEGORIES SHALL BE AS FOLLOWS:

a. RISK CATEGORIES I AND II, 90 MPH (3-SECOND GUST) NOMINAL
b. RISK CATEGORIES III AND IV, 101 MPH (3-SECOND GUST) NOMINAL

SECTION 1613 EARTHQUAKE LOADS.

SECTION 1613.3.2.1 MINIMUM SITE CLASS. THE MINIMUM DESIGN SHALL BE SITE CLASS B.

CHAPTER 17 - SPECIAL INSPECTIONS AND TESTS.

SECTION 1705 REQUIRED VERIFICATION AND INSPECTIONS.

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

CHAPTER 18 - SOILS AND FOUNDATIONS.

SECTION 1804 EXCAVATION, GRADING AND FILL.

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

SECTION 1805 DAMP PROOFING AND WATERPROOFING.

SECTION 1805.4.2.1 FOUNDATION DRAINS USE GROUP R3 LOCATED INSIDE OF FOOTING ONLY. WHEN FOUNDATION DRAINS ARE PROVIDED ONLY ON THE INSIDE OF THE FOOTING, WEEPHOLES SHALL BE PROVIDED ABOVE THE TOP OF THE FOOTING AND BELOW THE BOTTOM OF THE FLOOR SLAB UNLESS AN ALTERNATE DESIGN IS CERTIFIED BY AN ENGINEER AND APPROVED IN WRITING. IN A HOLLOW MASONRY WALL, THE WEEPHOLES MAY BE CREATED IN THE WALL BY CREATING ½ INCH OPENING INTO THE CORE OF THE BLOCK 16 INCHES ON CENTER IMMEDIATELY ABOVE THE FOOTING, OR IN A POURED CONCRETE WALL BY CREATING OPENINGS AT LEAST 1 INCH IN DIAMETER NO MORE THAN 6 FEET ON CENTER WITH A MINIMUM OF 6 INCHES OF GRAVEL AND A FILTER FABRIC PLACED OVER THE GRAVEL BED TO PROTECT THE BED FROM CLOGGING. THE SYSTEM SHALL ALSO COMPLY WITH THE BALTIMORE COUNTY PLUMBING AND GASFITTING CODE.

SECTION 1806.2.1 PRESUMPTIVE LOAD-BEARING VALUE. THE MAXIMUM PRESUMPTIVE LOAD-BEARING CAPACITY SHALL BE 2000 (PSF).

SECTION 1807 FOUNDATION WALLS, RETAINING WALLS AND EMBEDDED POSTS AND POLES.

SECTION 1807.1.6.2.2 BRICK LEDGE. IF THE THICKNESS OF A FOUNDATION WALL IS REDUCED TO ACCOMMODATE A BRICK LEDGE 2 FEET OR LESS FROM THE TOP OF THE WALL, THE REDUCED WALL (CALLED A STEM WALL) SHALL NOT BE LESS THAN 3.5 INCHES THICK UNLESS VERIFIED BY A REGISTERED DESIGN PROFESSIONAL. WHERE THE SECTION IS 4 INCHES THICK OR LESS, A MINIMUM OF ONE REINFORCING BAR AT TWO FEET ON CENTER, THIRTY INCHES LONG SHALL BE PLACED AS CLOSE AS PRACTICAL TO THE TENSION FACE AND EXTEND A MINIMUM OF TWELVE INCHES INTO BOTH SECTIONS OF THE WALL. IF THE REDUCED WALL IS MORE THAN 2 FEET BELOW THE TOP OF THE

WALL, THE SECTION SHALL BE REINFORCED IN ACCORDANCE WITH A DESIGN PREPARED BY A REGISTERED DESIGN PROFESSIONAL.

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

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

1. THE FOUNDATION WALL DOES NOT EXCEED 8 FEET IN HEIGHT BETWEEN LATERAL SUPPORTS;

2. THE TERRAIN SURROUNDING FOUNDATION WALLS IS GRADED SO AS TO DRAIN SURFACE WATER AWAY FROM FOUNDATION WALLS;

3. BACKFILL IS DRAINED TO REMOVE GROUND WATER AWAY FROM FOUNDATION WALLS;

4. LATERAL SUPPORT IS PROVIDED AT THE TOP OF THE FOUNDATION WALLS PRIOR TO BACKFILLING;

5. THE LENGTH OF FOUNDATION WALL BETWEEN PERPENDICULAR MASONRY WALLS OR PILASTERS DOES NOT EXCEED 24 FT;

6. THE BACKFILL IS GRANULAR AND SOIL CONDITIONS IN THE AREA ARE NON-EXPANSIVE; AND

7. MASONRY IS LAID IN RUNNING BOND USING TYPE M OR S MORTAR.

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

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

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

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

SECTION 1809 SHALLOW FOUNDATIONS.

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

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

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

CHAPTER 21 - MASONRY.

SECTION 2111 MASONRY FIREPLACES.

SECTION 2111.3.2 RELATION TO ADJACENT FOOTINGS. UNLESS DESIGNED BY A REGISTERED ENGINEER OR ARCHITECT, FOOTINGS FOR MASONRY CHIMNEYS OR FIRE PLACES SHALL BE PLACED AT THE SAME ELEVATION AS THE FOUNDATION WALL FOOTINGS.

CHAPTER 23 - WOOD.

SECTION 2308 CONVENTIONAL LIGHT FRAME CONSTRUCTION.

SECTION 2308.3.1.1 SILL PLATE ATTACHMENT TO CENTER BEAM. WHEN A WOODEN PLATE RESTS ON A STEEL BEAM, IT MAY BE SECURED BY BOLTS, OR "SHOT" PROVIDING THE WOOD IS NOT CRUSHED OR SPLIT. GLUING MUST BE PRE-APPROVED AND CERTIFIED BY AN ENGINEER. CLIPS ARE ACCEPTABLE IF DESIGNED FOR THAT PURPOSE.

CHAPTER 30 - ELEVATORS AND CONVEYING SYSTEMS.

SECTION 3001 GENERAL.

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

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

SECTION 3001.7 EXISTING ELEVATORS. ANY EXISTING ELEVATOR THAT IS REQUIRED TO ACCOMMODATE AN AMBULANCE STRETCHER, REQUIRED FOR FIRE FIGHTER PHASE II EMERGENCY IN CAR OPERATION, OR SERVES AS PART OF AN ACCESSIBLE ROUTE FOR PERSONS WITH DISABILITIES SHALL BE MAINTAINED IN GOOD WORKING OPERATION AT ALL TIMES THAT THE BUILDING IS OCCUPIED.

CHAPTER 31 - SPECIAL CONSTRUCTION.

SECTION 3101 GENERAL.

SECTION 3108 RADIO AND TELEVISION TOWERS.

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

SECTION 3112 CIRCUSES & CARNIVALS.

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

SECTION 3112.2 GENERAL REQUIREMENTS. ANY PERSON WISHING TO OPERATE A CARNIVAL OR CIRCUS IN BALTIMORE COUNTY SHALL FILE WITH THE BUILDING OFFICIAL A PERMIT APPLICATION AT LEAST THIRTY DAYS PRIOR TO THE INTENDED OPENING DATE OF THE CIRCUS OR CARNIVAL. THE BUILDING OFFICIAL SHALL REQUIRE EACH

APPLICANT TO INCLUDE IN THE APPLICATION A STATEMENT WHETHER OR NOT MECHANICAL RIDES OR DEVICES ARE TO BE USED IN CONNECTION WITH THE CIRCUS OR CARNIVAL. IN THE EVENT THE APPLICANT INTENDS TO PROVIDE MECHANICAL RIDES OR DEVICES AT THE CIRCUS OR CARNIVAL, THE PERSON SUPPLYING THESE MECHANICAL RIDES OR DEVICES SHALL FURNISH, PRIOR TO THE ISSUANCE OF THE PERMIT, SATISFACTORY EVIDENCE OF INSURANCE IN AN AMOUNT THE CODE OFFICIAL DETERMINES SUFFICIENT TO INSURE THE APPLICANT AGAINST ANY LIABILITY FOR DAMAGE, INCLUDING DEATH, OR INJURY TO PERSONS, AND DAMAGE TO PROPERTY DUE TO FAULTY EQUIPMENT OR NEGLIGENCE. THE SUPPLIER OF THE RIDES OR MECHANICAL DEVICES SHALL ALSO INDEMNIFY THE COUNTY AGAINST ANY SUIT OR SUITS, LOSS, CLAIM, DAMAGES, OR EXPENSE TO WHICH THE COUNTY MAY BE SUBJECTED BY REASON OF ANY DAMAGE TO PROPERTY OR PERSON, INCLUDING DEATH, INJURY TO THE PUBLIC HIGHWAYS AND OTHER PUBLIC PROPERTY DONE IN CONNECTION WITH THE TRANSPORTATION, ERECTION, OPERATION, MAINTENANCE AND SUPERVISION OF THE MECHANICAL RIDES OR DEVISE.

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

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

IF THE APPLICANT IS A NON-RESIDENT OF BALTIMORE COUNTY, THE APPLICANT AND THE APPLICANT'S INSURANCE CARRIER SHALL EXECUTE A POWER OF ATTORNEY AUTHORIZING THE BUILDING OFFICIAL, ON THEIR BEHALF, TO ACCEPT SERVICE OF NOTICES, PROCESSES AND ANY ACTION ARISING OUT OF THE OWNERSHIP, OPERATION, MAINTENANCE OR ANY OTHER FACET OF THE CIRCUS OR CARNIVAL WHILE IT IS WITHIN THE CONFINES OF BALTIMORE COUNTY. IF A NON-RESIDENT CORPORATION APPLIES FOR A PERMIT, THE BUILDING OFFICIAL SHALL ISSUE A PERMIT SO LONG AS THE NON-

RESIDENT CORPORATION COMPLIES WITH ALL CONDITIONS HEREIN CONTAINED, AND SUBMITS WITH ITS APPLICATION A CERTIFICATE FROM THE DEPARTMENT OF ASSESSMENTS AND TAXATION, STATE OF MARYLAND, CERTIFYING THAT THE NON-RESIDENT CORPORATION IS A DULY CONSTITUTED CORPORATION AUTHORIZED TO DO BUSINESS IN THE STATE OF MARYLAND. EVERY APPLICATION TO HOLD A CIRCUS OR CARNIVAL SHALL BE SIGNED BY A RESPONSIBLE PERSON OR OFFICIAL ACTING FOR THE APPLICANT. SUCH APPLICATION SHALL BE FORTHWITH REFERRED TO THE BALTIMORE COUNTY POLICE DEPARTMENT, HIGHWAYS ENGINEER, FIRE DEPARTMENT, COUNTY HEALTH OFFICER, TRAFFIC ENGINEERING AND THE ZONING COMMISSIONER FOR THEIR RECOMMENDATIONS. IN THE EVENT ANY REVIEWING AGENCY DISAPPROVES SUCH APPLICATION, THE PERMIT SHALL NOT BE GRANTED, AND A COPY OF THE APPLICATION DENIAL SHALL BE SENT TO THE CHIEF OF POLICE. THE BUILDING OFFICIAL MAY ISSUE A PROPER PERMIT AFTER CONSIDERATION OF THE RECOMMENDATIONS OF THE ABOVE NAMED AGENCIES. UPON THE ISSUANCE OF EVERY SUCH PERMIT, THE BUILDING OFFICIAL SHALL IMMEDIATELY SEND A COPY OF ALL SUCH PERMITS TO THE AGENCIES SET FORTH ABOVE. A PROPER PERMIT SHALL BE SECURED FROM THE BUILDING OFFICIAL BEFORE STARTING TO SET UP ANY STRUCTURES, APPLIANCES OR EQUIPMENT FOR SUCH PURPOSES. THE CHIEF OF POLICE SHALL KEEP A CLOSE WATCH UPON ANY SUCH CIRCUS OR CARNIVAL IN OPERATION IN ORDER TO DETERMINE WHETHER ANY OF THE REGULATIONS OF BALTIMORE COUNTY OR THE STATE OF MARYLAND ARE BEING VIOLATED.

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

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

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

SECTION 3112.4 CIRCUS AND CARNIVAL STRUCTURES.

SECTION 3112.4.1 TENTS AND OTHER STRUCTURES. ALL TENTS IN CONNECTION WITH ANY CIRCUS OR CARNIVAL SHALL CONFORM TO ALL THE REQUIREMENTS FOR THE

TENTS IN SECTIONS 3102 AND 3103 OF THIS CODE. PERMANENT STRUCTURES SHALL CONFORM TO ALL APPLICABLE PROVISIONS IN THIS CODE RELATING TO PERMANENT STRUCTURES. EVERY TENT AND OTHER STRUCTURE IN CONNECTION WITH A CIRCUS OR CARNIVAL SHALL BE PROVIDED WITH ADEQUATE EXITS. THE WIDTH AND NUMBER OF THE EXITS AND MEANS OF EGRESS SHALL BE BASED UPON THE GENERAL REQUIREMENTS FOR EXITS AND MEANS OF EGRESS IN ASSEMBLY STRUCTURES. ALL EXITS AND AISLEWAYS OF EVERY CIRCUS AND CARNIVAL SHALL BE WELL LIGHTED AT ALL TIMES WHEN SUCH PLACES ARE OCCUPIED.

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

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

SECTION 3112.5 ELECTRICAL AND MECHANICAL REQUIREMENTS. ALL ELECTRICAL AND MECHANICAL WORK SHALL CONFORM TO THE REQUIREMENTS OF THIS CODE.

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

SECTION 3113 ADDITIONAL REQUIREMENTS FOR EXCAVATING AND EXCAVATIONS.

SECTION 3113.1 QUARRY HOLES AND ABANDONED EXCAVATIONS.

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

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

3. PROTECTION OF QUARRY HOLES: THE OWNER OF PROPERTY ON WHICH QUARRY HOLES EXIST SHALL BE RESPONSIBLE TO COMPLETELY ENCLOSE THE HOLES WITH FENCES HAVING NO OPENINGS THROUGH WHICH A FOUR (4) INCH DIAMETER BALL CAN PASS. THE FENCE SHALL HAVE A MINIMUM HEIGHT OF 6 FEET AND 9 INCHES PLUS THREE STRANDS OF BARBED WIRE. ALL FENCES SHALL BE PROVIDED WITH ONE GATE OR MORE, AND ALL GATES SHALL BE KEPT CLOSED AND SECURELY LOCKED EXCEPT WHEN AN AUTHORIZED PERSON IS ON THE PREMISES. THE BUILDING OFFICIAL,

HOWEVER, MAY PERMIT ANY WALLS OF A BUILDING OR OTHER STRUCTURE, INCLUDING RETAINING WALLS, OR OTHER BARRIERS, TO SERVE AS A PART OF ALL OF THE REQUIRED ENCLOSURE AROUND ANY QUARRY HOLE IF THE WALLS OR BARRIERS ADEQUATELY PROTECT THE QUARRY HOLE TO THE SAME EXTENT AS A FENCE WOULD IN OTHER CIRCUMSTANCES DESCRIBED IN THIS SECTION.

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

SECTION 3113.2 BACKFILLING QUARRY HOLES AND ABANDONED EXCAVATIONS. IN ALL CASES, BACKFILLING SHALL BE DONE WITH MATERIAL FREE FROM WOOD, RUBBISH, OR OTHER SIMILAR MATERIAL WHICH IS SUBJECT TO DECAY. THE BACKFILL MATERIAL SHALL BE THOROUGHLY COMPACTED. CONCENTRATED LOADS OF ANY TYPE, SUCH AS EQUIPMENT, SHALL NOT SURCHARGE ANY WALL IN THE IMMEDIATE AREAS OF BACKFILLING. THESE LOADS SHALL BE REMOVED FROM THE WALL A DISTANCE EQUAL TO THE WALL'S HEIGHT AS MEASURED FROM THE TOP OF THE BACKFILL.

SECTION 3113.3 DISPOSAL OF EXCAVATED MATERIALS. EARTH, ROCK OR OTHER MATERIALS, IN GRADING, OR TAKEN FROM EXCAVATIONS OR TAKEN OR REMOVED FROM ANY OTHER SIMILAR OPERATIONS, AND WHICH IS NOT NEEDED FOR FILLING OR BACKFILLING ON THE PREMISES FROM WHICH THEY HAVE BEEN REMOVED, SHALL BE HAULED AWAY AND BE DISPOSED OF AT SOME POINT WHERE THEIR DISPOSAL IS ALLOWED AND WHERE A VALID PERMIT EXISTS TO ALLOW DUMPING AND GRADING. EARTH, ROCK, RUBBISH OR OTHER MATERIAL REMOVED FROM ANY PREMISES SHALL NOT BE STORED UPON ANY TRAVELED FOOTWAY, OR ROADWAY OR ANY STREET, ALLEY OR OTHER PUBLIC WAY.

APPENDIX C- AGRICULTURAL BUILDINGS.

SECTION C102 ALLOWABLE HEIGHT AND AREA.

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

PART 300. INTERNATIONAL RESIDENTIAL BUILDING CODE. THIS PART SETS FORTH ADDITIONS TO, AMENDMENTS TO, AND DELETIONS FROM THE INTERNATIONAL RESIDENTIAL BUILDING CODE, 2015 EDITION, IN ACCORDANCE WITH BILL 40-15, THE BUILDING CODE OF BALTIMORE COUNTY.

PART 301. THE FOLLOWING CHAPTER SECTIONS OF THE INTERNATIONAL RESIDENTIAL BUILDING CODE, 2015 EDITION, ARE DELETED: R105.2; R108.5; R302.3; R309.1; R403.1.4.1; TABLE R404.1.1 (1); M1601.1.1.5 , P2901; P2902; P2903; AG101.2, AG101.2.1, AG101.2.2; CHAPTER 25 PLUMBING ADMINISTRATION; CHAPTER 27 PLUMBING FIXTURES; CHAPTER 28 WATER HEATERS; CHAPTER 30 SANITARY DRAINAGE; CHAPTER 31 VENTS; CHAPTER 32 TRAPS; CHAPTER 33 STORM DRAINAGE; PART VIII ELECTRICAL.

PART 302. THE FOLLOWING CHAPTERS AND SECTIONS, COLLECTIVELY REFERRED TO AS THE LOCAL AMENDMENTS TO THE INTERNATIONAL RESIDENTIAL BUILDING CODE, 2015 EDITION, ARE ADDED HEREIN BELOW.

CHAPTER 1. SCOPE AND ADMINISTRATION.

SECTION R101.2 SCOPE – AFTER ACCESSORY STRUCTURES DELETE (NOT MORE THAN THREE STORIES ABOVE GRADE PLANE IN HEIGHT) AND SUBSTITUTE THE FOLLOWING: A STRUCTURE NOT GREATER THAN 3,000 SQUARE FEET IN FLOOR AREA, AND NOT OVER TWO STORIES IN HEIGHT, THE USE OF WHICH IS CUSTOMARILY ACCESSORY TO AND INCIDENTAL TO THAT OF THE DWELLING(S) AND WHICH IS LOCATED ON THE SAME LOT.

SECTION R101.2.1 ATTICS LOCATED ABOVE A THIRD STORY. ATTICS LOCATED ABOVE A THIRD STORY SHALL COMPLY WITH THE FOLLOWING:

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

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

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

SECTION R106 CONSTRUCTION DOCUMENTS.

SECTION R106.1.5 REGISTERED DESIGN PROFESSIONAL SEAL REQUIRED. SUBMITTED PLANS MEETING THE FOLLOWING SHALL BE SEALED BY A REGISTERED DESIGN PROFESSIONAL LICENSED BY THE STATE OF MARYLAND:

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

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

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

SECTION R106.1.3.1 WALL BRACING. SEALED CONSTRUCTION DOCUMENTS SHALL CLEARLY SHOW REQUIRED WALL BRACING AND COMPLIANCE WITH SECTION R602.10.

SECTION R202 DEFINITIONS. REPLACE THE DEFINITION OF ACCESSORY STRUCTURE WITH THE FOLLOWING: A STRUCTURE NOT GREATER THAN 3,000 SQUARE FEET IN FLOOR AREA, AND NOT OVER TWO STORIES IN HEIGHT, THE USE OF WHICH IS CUSTOMARILY ACCESSORY TO AND INCIDENTAL TO THAT OF THE DWELLING(S) AND WHICH IS LOCATED ON THE SAME LOT.

SECTION R301 DESIGN CRITERIA.

TABLE 301.2(1) CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA. THE FOLLOWING CLIMATIC AND GEOGRAPHICAL DESIGN CRITERIA SHALL BE USED IN BALTIMORE COUNTY: GROUND SNOW LOAD – 30 PSF; ROOF SNOW LOAD- 30PSF WITH NO REDUCTION FOR ROOF SLOPE; ULTIMATE WIND SPEED- 115 MPH; SEISMIC DESIGN CATEGORY- B; WEATHERING- SEVERE; FROST LINE DEPTH- 30 INCHES; TERMITE- MODERATE TO HEAVY, WOOD DECAY- MODERATE TO SEVERE; WINTER DESIGN TEMP- 13F; ICE BARRIER UNDERLAYMENT REQUIRED –YES; PRESUMING LOAD-BEARING VALUE OF SOILS 2000 (PSF).

SECTION R302 FIRE-RESISTANT CONSTRUCTION.

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

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

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

2. ENCLOSED DECKS OR PORCHES WITH EXTERIOR WALLS LOCATED WITHIN 5 FEET OF A PROPERTY LINE SHALL COMPLY WITH THE PROVISIONS OF SECTION R302. DRAFTSTOPPING SHALL BE PROVIDED AT THE GABLE ENDS OF ANY ROOF STRUCTURE WITHIN 3 FEET OF THE PROPERTY LINE AND OVER 20 FEET LONG. DRAFTSTOPPING SHALL ALSO BE PROVIDED AT THE PROPERTY LINE WHERE A ROOF IS CONTINUOUS ACROSS A PROPERTY LINE. DRAFTSTOPPING MATERIAL SHALL CONSIST OF MINIMUM DRYWALL OF ½ INCH THICKNESS, SHEET METAL, OR FIRE RETARDANT TREATED PLYWOOD.

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

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

SECTION R309.1 FLOOR SURFACE. GARAGE FLOOR SURFACES SHALL BE OF APPROVED NONCOMBUSTIBLE MATERIAL. THE AREA OF FLOOR USED FOR PARKING VEHICLES SHALL BE SLOPED AT LEAST 1/8 INCH PER FOOT TOWARD THE MAIN VEHICLE ENTRY DOORWAY. FLOOR DRAINS SHALL BE PROHIBITED.

SECTION R310 EMERGENCY ESCAPE AND RESCUE OPENINGS.

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

SECTION R315 CARBON MONOXIDE ALARMS.

SECTION R315.2 WHERE REQUIRED IN EXISTING DWELLINGS.

EXCEPTION: NON-ENCLOSED EXTERIOR DECKS.

SECTION R327 SOUND TRANSMISSION. THE REQUIREMENT OF APPENDIX K SHALL APPLY TO THE CONSTRUCTION OF ALL NEW RESIDENTIAL BUILDINGS AND ADDITIONS.

SECTION R403 FOOTINGS.

SECTION R403.1.1.1. MINIMUM THICKNESS: THE MINIMUM THICKNESS OF FOOTINGS SPECIFIED IN TABLES R403.1.(1) THROUGH R403.1.(3) SHALL BE EIGHT (8) INCHES UNLESS A GREATER THICKNESS IS SPECIFIED.

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

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

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

SECTION R404 SPECIAL RULES FOR FOUNDATION WALLS.

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

A. WALL HEIGHT DOES NOT EXCEED 8 FEET BETWEEN LATERAL SUPPORTS.

B. THE FINISHED GROUND ADJACENT TO THE WALL SHALL BE GRADED SO THAT SURFACE WATER DRAINS A WAY FROM THE WALL.

C. PERMANENT LATERAL SUPPORT SHALL BE PROVIDED AT THE TOP OF THE WALL PRIOR TO BACKFILLING.

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

A. THE MAXIMUM WALL LENGTH BETWEEN PERPENDICULAR WALLS OR PILASTERS SHALL NOT EXCEED 3 TIMES THE WALL HEIGHT.

B. THE BACKFILL SHALL BE COMPOSED OF WELL-DRAINED SOILS IN ACCORDANCE WITH THE UNIFIED SOIL CLASSIFICATION SYSTEM.

C. MASONRY SHALL BE LAID IN RUNNING BOND USING TYPE "M" OR "S" MORTAR.

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

Table R404A
THICKNESS OF FOUNDATION WALLS AND ALLOWABLE BACKFILL DEPTH

Foundation Wall	Thickness	Maximum Depth of

Construction	(Inches)	Unbalance Backfill (Feet) Below Grade
Hollow, Ungrouted Masonry Block	8 10 12	4 5 6
Non-reinforced Concrete And Grouted Masonry Hollow Block	8 10 12	7 8 8

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

EXCEPTION: UNDER LIGHT FRAME CONSTRUCTION, WITH A MAXIMUM OF TWO STORIES, SEALED ENGINEERED DESIGN MAY BE WAIVED BY THE CODE OFFICIAL WHEN DESIGNED IN FULL ACCORDANCE WITH APPENDIX **FIGURE 107** STANDARD DESIGN DIAGRAM FOR "TYPICAL WALL SECTION FOR EXCAVATED BASEMENT".

SECTION R405 FOUNDATION DRAINAGE.

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

SECTION R406 FOUNDATION AND WATERPROOFING AND DAMP PROOFING.

SECTION R406.1.1 CRAWL SPACE FOUNDATION DRAINAGE. WHEN CRAWL SPACE FOUNDATIONS HAVE AT LEAST ONE WALL WHERE THE FINISHED EXTERIOR GRADE IS HIGHER THAN THE INTERIOR CRAWL SPACE GRADE, FOUNDATION DAMP PROOFING IS REQUIRED AS DESCRIBED IN SECTION R406.1. IF THE INTERIOR GRADE OF THE CRAWL

SPACE IS LOWER THAN THE EXTERIOR GRADE TILE, A SUMP PUMP OR GRAVITY DRAIN IS REQUIRED.

SECTION R408 UNDER-FLOOR SPACE.

SECTION R408.4.1 CRAWL SPACE ACCESS: IN ORDER TO FACILITATE ACCESS TO THE CRAWL SPACE AREA A MINIMUM CLEARANCE OF 18 INCHES SHALL BE PROVIDED, MEASURED FROM THE BOTTOM OF THE FLOOR JOIST TO THE INTERIOR GRADE OF THE CRAWL SPACE.

SECTION R903.4 ROOF DRAINAGE.

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

SECTION R1003 MASONRY CHIMNEYS.

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

CHAPTER 11 - ENERGY EFFICIENCY.

SECTION 1101 GENERAL

SECTION 1101.14.1 CERTIFICATE LOCATION. CERTIFICATE SHALL BE LOCATED WITHIN SIX (6) FEET OF THE ELECTRICAL PANEL AND BE READILY VISIBLE.

CHAPTER 29 – WATER SUPPLY AND DISTRIBUTION.

SECTION P2904.5 WATER SUPPLY.

SECTION P2904.5.3 PUBLIC WATER SUPPLY. WHERE A DWELLING IS SUPPLIED BY A PUBLIC WATER SOURCE, THE RESIDENTIAL FIRE SPRINKLER SYSTEM SHALL BE SUPPLIED BY THAT PUBLIC WATER SOURCE.

PART 400. INTERNATIONAL ENERGY CONSERVATION CODE. THIS PART SETS FORTH ADDITIONS TO, AMENDMENTS TO AND DELETIONS FROM THE INTERNATIONAL ENERGY CONSERVATION CODE, 2015 EDITION, IN ACCORDANCE WITH BILL 40-15, THE BUILDING CODE OF BALTIMORE COUNTY.

PART 401. THE FOLLOWING SECTIONS OF THE INTERNATIONAL ENERGY CONSERVATION CODE, 2015 EDITION, ARE DELETED: C103.1, C107, C108, C109, R103.1, R107, R108, R109.

PART 402. THE FOLLOWING SECTIONS, COLLECTIVELY REFERRED TO AS THE LOCAL AMENDMENTS TO THE INTERNATIONAL ENERGY CONSERVATION CODE, 2015 EDITION, ARE ADDED HEREIN BELOW.

CHAPTER 4 – COMMERCIAL ENERGY EFFICIENCY.

SECTION C408 SYSTEM COMMISSIONING.

SECTION C408.1.1 COMMISSIONING PLAN RESPONSIBILITY. CONSTRUCTION DOCUMENTS THAT ARE PREPARED BY OR UNDER THE SUPERVISION OF A PROFESSIONAL ARCHITECT OR ENGINEER LICENSED BY THE STATE OF MARYLAND, SUCH DESIGN PROFESSIONAL SHALL BE RESPONSIBLE TO PROVIDE OR CAUSE TO BE PROVIDED ANY OR ALL COMMISSIONING REPORTS REQUIRED BY SECTION C408. DESIGN PROFESSIONAL SHALL REVIEW COMMISSIONING REPORTS FOR COMPLIANCE WITH THIS CODE.

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

SECTION 5. AND BE IT FURTHER ENACTED, that this Act, having been passed by the affirmative vote of five members of the County Council, shall take effect on July 1, 2015.

READ AND PASSED this 1st day of JUNE, 2015.

BY ORDER

Thomas J. Peddicord, Jr.
Secretary

PRESENTED to the County Executive for his approval this 2nd day of JUNE, 2015.

Thomas J. Peddicord, Jr.
Secretary

APPROVED AND ENACTED:

June 5, 2015

Kevin B. Kamenetz
County Executive

I HEREBY CERTIFY THAT BILL NO. 40-15 IS TRUE AND CORRECT AND TOOK EFFECT ON July 1, 2015.

Cathy Bevins
Chair, County Council

BALTIMORE COUNTY
BILL 42-15

FLOOD INSURANCE RATE MAPS
CONFORMING LEGISLATION

COUNTY COUNCIL OF BALTIMORE COUNTY, MARYLAND
Legislative Session 2015, Legislative Day No. 9

Bill No. 42-15

Mrs. Cathy Bevins, Chair
By Request of County Executive

By the County Council, May 4, 2015

A BILL
ENTITLED

AN ACT concerning

Flood Insurance Rate Maps – Conforming Legislation

FOR the purpose of adopting the current effective Flood Insurance Rate Maps individually as requested by the Federal Emergency Management Agency (FEMA); clarifying the definition of historic structures for floodplain regulation purposes as requested by FEMA; adopting into the County Code a regulation requiring additional vertical freeboard under certain circumstances; making certain technical changes; defining certain terms; providing for the effective date of this act; and generally relating to the Flood Insurance Rate Maps.

By repealing and reenacting, without amendments

Section 32-8-101(a)
Article 32. Planning, Zoning and Subdivision Control
Baltimore County Code, 2003

By repealing and reenacting, with amendments

Sections 32-8-101(r), 32-8-201, 32-8-202(a), and 32-8-302
Article 32. Planning, Zoning and Subdivision Control
Baltimore County Code, 2003

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.

By adding
Sections 32-8-401 through 32-4-404
Subtitle Flood Insurance Rate Maps
Article 32. Planning, Zoning and Subdivision Control
Baltimore County Code, 2003

SECTION 1. BE IT ENACTED BY THE COUNTY COUNCIL OF BALTIMORE COUNTY, MARYLAND, that the Laws of Baltimore County shall read as follows:

Article 32. Planning, Zoning and Subdivision Control

§ 32-8-101.

(a) In this title and in any code or regulations adopted under the authority of this title, the following words have the meanings indicated.

(r) "Historic structure" means [a] ANY structure THAT IS:

(1) Listed individually [on] IN the National Register of Historic Places (A LISTING MAINTAINED BY THE DEPARTMENT OF INTERIOR) OR PRELIMINARILY DETERMINED BY THE SECRETARY OF THE INTERIOR AS MEETING THE REQUIREMENTS FOR INDIVIDUAL LISTINGS ON THE NATIONAL REGISTER; [, the Maryland Inventory of Historic Properties, or a local inventory of historic places certified by the Maryland Historic Trust or the Secretary of the Interior;]

(2) CERTIFIED OR PRELIMINARILY DETERMINED BY THE SECRETARY OF THE INTERIOR AS CONTRIBUTING TO THE HISTORICAL SIGNIFICANCE OF A REGISTERED HISTORIC DISTRICT OR A DISTRICT PRELIMINARILY DETERMINED BY THE SECRETARY TO QUALIFY AS A REGISTERED HISTORIC DISTRICT; [Preliminarily determined as meeting the requirements for listing by the Maryland Historic Trust or the Secretary of the Interior; or]

(3) INDIVIDUALLY LISTED ON THE MARYLAND REGISTER OF HISTORIC PLACES; OR [Determined as contributing to the historic significance of a historic district registered with the Secretary of the Interior.]

(4) INDIVIDUALLY LISTED ON THE INVENTORY OF HISTORIC PLACES MAINTAINED BY BALTIMORE COUNTY WHOSE HISTORIC PRESERVATION PROGRAM HAS BEEN CERTIFIED BY THE MARYLAND HISTORICAL TRUST OR THE SECRETARY OF THE INTERIOR.

§ 32-8-201.

[(1)] (A) The United States, through the Federal Emergency Management Agency, and the State of Maryland have established the 100-year frequency flood as the event defining the area of peril.

[(2)] (B) Desiring to secure to its citizens the benefits of the national flood insurance program and desiring to protect the health, safety, welfare, property, and life of its citizens, the county establishes, in accordance with state and federal programs, policies, laws and regulations, this floodplain management program.

§ 32-8-202.

(a) IN ACCORDANCE WITH SUBTITLE 4 OF THIS TITLE:

(1) The floodplain area shall include at a minimum those areas of Baltimore County that are subject to the 100-year frequency flood, delineated on the most recent revision of the floodway maps and flood insurance rate maps and described in the Flood Insurance Study prepared for the county by the Federal Emergency Management [Agency.] AGENCY; AND

(2) The delineation of the floodplain area shall also include the 100-year frequency flood elevations, which shall be not less than those established in the Flood Insurance Study.

§ 32-8-302.

[(1)] (A) Substantial improvements to historic structures which do not comply fully with the elevation and construction requirements must receive an approved waiver before issuance of a building permit.

[(2)] (B) The structure must retain historic structure designation as a condition of a waiver.

SUBTITLE 4. FLOOR INSURANCE RATE MAPS.

§ 32-8-401.

(A) IN THIS SUBTITLE THE FOLLOWING WORDS HAVE THE MEANINGS INDICATED.

(B) "AE" MEANS 1% ANNUAL CHANCE FLOODPLAIN WITH ELEVATIONS DETERMINED AS DELINEATED IN THE FIRM.

(C) "BFE" MEANS BASE FLOOD ELEVATION AS SHOWN IN THE FIRM OR IN THE FIS ASSOCIATED WITH THE FIRM PANEL UPON WHICH IT IS SHOWN.

(D) "FIRM" MEANS FLOOD INSURANCE RATE MAP.

(E) "FIS" MEANS FOOD INSURANCE STUDY.

(F) "LIMWA" MEANS LIMIT OF MODERATE WAVE ACTION AS DELINEATED ON THE FIRM.

(G) "LOMA" MEANS LETTER OF MAP AMENDMENT.

(H)(1) "LOMC" MEANS LETTER OF MAP CHANGE.

(2) "LOMC" INCLUDES LOMA AND LOMR.

(I) "LOMR" MEANS LETTER OF MAP REVISION.

(J) "NFIP" MEANS NATIONAL FLOOD INSURANCE PROGRAM.

(K) "RIVERINE" MEANS FLOODPLAIN INUNDATED STORMWATER RUNOFF.

(L) "TIDAL" MEANS FLOODPLAIN INUNDATED DUE TO HIGH TIDES, HURRICANES, TROPICAL STORMS AND STEADY ON-SHORE WINDS.

§ 32-8-402.

BALTIMORE COUNTY ADOPTS AND SHALL ENFORCE THE MOST RECENT REVISION OF THE FLOOD INSURANCE RATE MAPS AND FLOOD INSURANCE STUDY, INCLUDING:

FIRM MAP PANEL 2400100010F EFFECTIVE SEPTEMBER 26, 2008
FIRM MAP PANEL 2400100015F EFFECTIVE SEPTEMBER 26, 2008
FIRM MAP PANEL 2400100020F EFFECTIVE SEPTEMBER 26, 2008
FIRM MAP PANEL 2400100030F EFFECTIVE SEPTEMBER 26, 2008
FIRM MAP PANEL 2400100035F EFFECTIVE SEPTEMBER 26, 2008

FIRM MAP PANEL 2400100040F EFFECTIVE SEPTEMBER 26, 2008
FIRM MAP PANEL 2400100045F EFFECTIVE SEPTEMBER 26, 2008
FIRM MAP PANEL 2400100055F EFFECTIVE SEPTEMBER 26, 2008
FIRM MAP PANEL 2400100065F EFFECTIVE SEPTEMBER 26, 2008
FIRM MAP PANEL 2400100080F EFFECTIVE SEPTEMBER 26, 2008
FIRM MAP PANEL 2400100085F EFFECTIVE SEPTEMBER 26, 2008
FIRM MAP PANEL 2400100090F EFFECTIVE SEPTEMBER 26, 2008
FIRM MAP PANEL 2400100095F EFFECTIVE SEPTEMBER 26, 2008
FIRM MAP PANEL 2400100105F EFFECTIVE SEPTEMBER 26, 2008
FIRM MAP PANEL 2400100110F EFFECTIVE SEPTEMBER 26, 2008
FIRM MAP PANEL 2400100115F EFFECTIVE SEPTEMBER 26, 2008
FIRM MAP PANEL 2400100120F EFFECTIVE SEPTEMBER 26, 2008
FIRM MAP PANEL 2400100130F EFFECTIVE SEPTEMBER 26, 2008
FIRM MAP PANEL 2400100135F EFFECTIVE SEPTEMBER 26, 2008
FIRM MAP PANEL 2400100140F EFFECTIVE SEPTEMBER 26, 2008
FIRM MAP PANEL 2400100145F EFFECTIVE SEPTEMBER 26, 2008
FIRM MAP PANEL 2400100165F EFFECTIVE SEPTEMBER 26, 2008
FIRM MAP PANEL 2400100185F EFFECTIVE SEPTEMBER 26, 2008
FIRM MAP PANEL 2400100205F EFFECTIVE SEPTEMBER 26, 2008
FIRM MAP PANEL 2400100210F EFFECTIVE SEPTEMBER 26, 2008
FIRM MAP PANEL 2400100215F EFFECTIVE SEPTEMBER 26, 2008
FIRM MAP PANEL 2400100220D EFFECTIVE AUGUST 2, 2011
FIRM MAP PANEL 2400100230F EFFECTIVE SEPTEMBER 26, 2008
FIRM MAP PANEL 2400100235F EFFECTIVE SEPTEMBER 26, 2008
FIRM MAP PANEL 2400100240F EFFECTIVE SEPTEMBER 26, 2008
FIRM MAP PANEL 2400100245F EFFECTIVE AUGUST 2, 2011
FIRM MAP PANEL 2400100255F EFFECTIVE SEPTEMBER 26, 2008
FIRM MAP PANEL 2400100260F EFFECTIVE SEPTEMBER 26, 2008
FIRM MAP PANEL 2400100265F EFFECTIVE SEPTEMBER 26, 2008
FIRM MAP PANEL 2400100270F EFFECTIVE SEPTEMBER 26, 2008
FIRM MAP PANEL 2400100280F EFFECTIVE SEPTEMBER 26, 2008
FIRM MAP PANEL 2400100285F EFFECTIVE SEPTEMBER 26, 2008
FIRM MAP PANEL 2400100290F EFFECTIVE SEPTEMBER 26, 2008
FIRM MAP PANEL 2400100295G EFFECTIVE MAY 5, 2014
FIRM MAP PANEL 2400100315G EFFECTIVE MAY 5, 2014
FIRM MAP PANEL 2400100335F EFFECTIVE SEPTEMBER 26, 2008
FIRM MAP PANEL 2400100355F EFFECTIVE SEPTEMBER 26, 2008
FIRM MAP PANEL 2400100359F EFFECTIVE SEPTEMBER 26, 2008
FIRM MAP PANEL 2400100360F EFFECTIVE SEPTEMBER 26, 2008
FIRM MAP PANEL 2400100370F EFFECTIVE SEPTEMBER 26, 2008
FIRM MAP PANEL 2400100378F EFFECTIVE SEPTEMBER 26, 2008
FIRM MAP PANEL 2400100380F EFFECTIVE SEPTEMBER 26, 2008
FIRM MAP PANEL 2400100385F EFFECTIVE SEPTEMBER 26, 2008
FIRM MAP PANEL 2400100386F EFFECTIVE SEPTEMBER 26, 2008
FIRM MAP PANEL 2400100387F EFFECTIVE SEPTEMBER 26, 2008
FIRM MAP PANEL 2400100388F EFFECTIVE SEPTEMBER 26, 2008

FIRM MAP PANEL 2400100389F EFFECTIVE SEPTEMBER 26, 2008
FIRM MAP PANEL 2400100395F EFFECTIVE SEPTEMBER 26, 2008
FIRM MAP PANEL 2400100405F EFFECTIVE SEPTEMBER 26, 2008
FIRM MAP PANEL 2400100410F EFFECTIVE SEPTEMBER 26, 2008
FIRM MAP PANEL 2400100420G EFFECTIVE MAY 5, 2014
FIRM MAP PANEL 2400100430G EFFECTIVE MAY 5, 2014
FIRM MAP PANEL 2400100435G EFFECTIVE MAY 5, 2014
FIRM MAP PANEL 2400100440G EFFECTIVE MAY 5, 2014
FIRM MAP PANEL 2400100445G EFFECTIVE MAY 5, 2014
FIRM MAP PANEL 2400100455G EFFECTIVE MAY 5, 2014
FIRM MAP PANEL 2400100465G EFFECTIVE MAY 5, 2014
FIRM MAP PANEL 2400100485F EFFECTIVE SEPTEMBER 26, 2008
FIRM MAP PANEL 2400100502F EFFECTIVE SEPTEMBER 26, 2008
FIRM MAP PANEL 2400100505F EFFECTIVE SEPTEMBER 26, 2008
FIRM MAP PANEL 2400100510G EFFECTIVE MAY 5, 2014
FIRM MAP PANEL 2400100530G EFFECTIVE MAY 5, 2014
FIRM MAP PANEL 2400100535G EFFECTIVE MAY 5, 2014
FIRM MAP PANEL 2400100555G EFFECTIVE MAY 5, 2014
FIRM MAP PANEL 2400100560G EFFECTIVE MAY 5, 2014
FIRM MAP PANEL 2400100580G EFFECTIVE MAY 5, 2014
FLOOD INSURANCE STUDY BALTIMORE COUNTY, MARYLAND REVISED MAY 5, 2014

§ 32-8-403.

(A) THIS SECTION APPLIES TO BUILDING PERMITS APPLIED FOR ON OR AFTER THE MAY 5, 2014 EFFECTIVE DATE OF FIS 240010V000D AND THE FIRM MAPS WITH SUFFIX G LISTED BELOW:

2400100295G
2400100315G
2400100420G
2400100430G
2400100435G
2400100440G
2400100445G
2400100455G
2400100465G
2400100510G
2400100530G
2400100535G
2400100555G
2400100560G
2400100580G

(B) THIS SECTION DOES NOT APPLY TO RIVERINE FLOODPLAINS.

(C)(1) FOR PURPOSES OF DETERMINING FLOOD INSURANCE PREMIUMS, THE ZONES SHOWN ON THE LATEST EFFECTIVE FIRM MAP OR AS AMENDED BY AN APPROVED LETTER OF MAP CHANGE SHALL GOVERN.

(2) FLOODPLAIN INFORMATION FOR FLOOD INSURANCE PURPOSES UNDER THE NFIP SHALL BE DETERMINED ONLY BY THE LATEST EFFECTIVE FIRM.

(D)(1) TIDAL BASE FLOOD ELEVATIONS (BFES) SHALL BE NO LESS THAN AS SHOWN ON THE MOST RECENT FIRM, SUFFIX LETTER G (LISTED IN SUBSECITON (A) OF THIS SECTION) OR LATER, OR MOST RECENT FIS.

(2) TIDAL BASE FLOOD ELEVATIONS (BFES) SHALL BE NO LESS THAN THE BFES AS SHOWN ON FIRM OR FIS, SUFFIX LETTER F WITH EFFECTIVE DATE SEPTEMBER 26, 2008.

(3) TIDAL BASE FLOOD ELEVATIONS (BFES) SHALL BE NO LESS THAN ANY TIDAL FLOOD ELEVATIONS APPROVED BY THE DIRECTOR OF DEPARTMENT OF PUBLIC WORKS.

(E)(1) THE BUILDING CODE IMPOSES SPECIFIC REQUIREMENTS ON CONSTRUCTION IN THE VE ZONE AND IN THE AREA OF THE AE ZONE ON THE SIDE OF THE LIMWA AWAY FROM LAND (ALSO KNOWN AS THE COASTAL AE ZONE).

(2) SUBSECTION (D) OF THIS SECTION MAY IMPOSE HIGHER BFES IN THESE AREAS THAN SHOWN ON THE LATEST EFFECTIVE FIRM.

(3) BUILDING CODE REQUIREMENTS SPECIFIC TO THE VE AND COASTAL AE ZONES SHALL APPLY EVEN THOUGH THE HIGHER BFE MAY HAVE BEEN BASED ON AN EARLIER MAP THAT DID NOT TAKE WAVE ACTION INTO CONSIDERATION.

§ 32-8-404.

EXCEPT AS OTHERWISE PROVIDED BY LAW, IF A SECTION, PARAGRAPH, SENTENCE, CLAUSE, PHRASE, OR WORD OF THIS SUBTITLE IS DECLARED INVALID OR UNCONSTITUTIONAL BY A COURT OF COMPETENT JURISDICTION, THE INVALIDITY OR UNCONSTITUTIONALITY MAY NOT AFFECT ANY OF THE REMAINING WORDS, PHRASES, CLAUSES, SENTENCES, PARAGRAPHS, OR SECTIONS OF THIS SUBTITLE UNLESS:

(1) THE SECTION, PARAGRAPH, SENTENCE, CLAUSE, PHRASE, OR WORD IS SUBJECT TO A PROVISION THAT PROHIBITS SEVERABILITY UNDER THIS SECTION; OR

(2) THE COURT FINDS THAT THE REMAINING VALID PROVISIONS ALONE ARE INCOMPLETE AND INCAPABLE OF BEING EXECUTED IN ACCORDANCE WITH THE LEGISLATIVE INTENT.

SECTION 2. AND BE IT FURTHER ENACTED, this Act having passed by the affirmative vote of five members of County Council shall take effect July 1, 2015 retroactive to May 5, 2014, the effective date of county regulations originally adopted in the Code of Baltimore County Regulations, Title 4, Subtitle 2, Chapters 1 and 2.

READ AND PASSED this 1st day of JUNE, 2015.

BY ORDER

Thomas J. Peddicord, Jr.
Secretary

PRESENTED to the County Executive for his approval this 2nd day of JUNE, 2015.

Thomas J. Peddicord, Jr.
Secretary

APPROVED AND ENACTED:

June 5, 2015

Kevin B. Kamenetz
County Executive

I HEREBY CERTIFY THAT BILL NO. 42-15 IS TRUE AND CORRECT AND TOOK EFFECT ON July 1, 2015.

Cathy Bevins
Chair, County Council

APPENDICES

A. Previous Building Codes

B. Form 107 – Typical Wall Section for Excavated Basements

C. Residential Energy Efficiency Certificate of Compliance

D. Building Thermal Envelope – One Story Additions 600 sq. ft. or less

E. Allowable Wood Floor Joist Spans

F. Swimming Pools, Spas and Hot Tubs Barrier Requirements

G. Tidal Flood Zone Boundaries

H. Deck Construction Guidelines

I. County Carbon Monoxide Alarm Requirements

J. State Carbon Monoxide Alarm Requirements

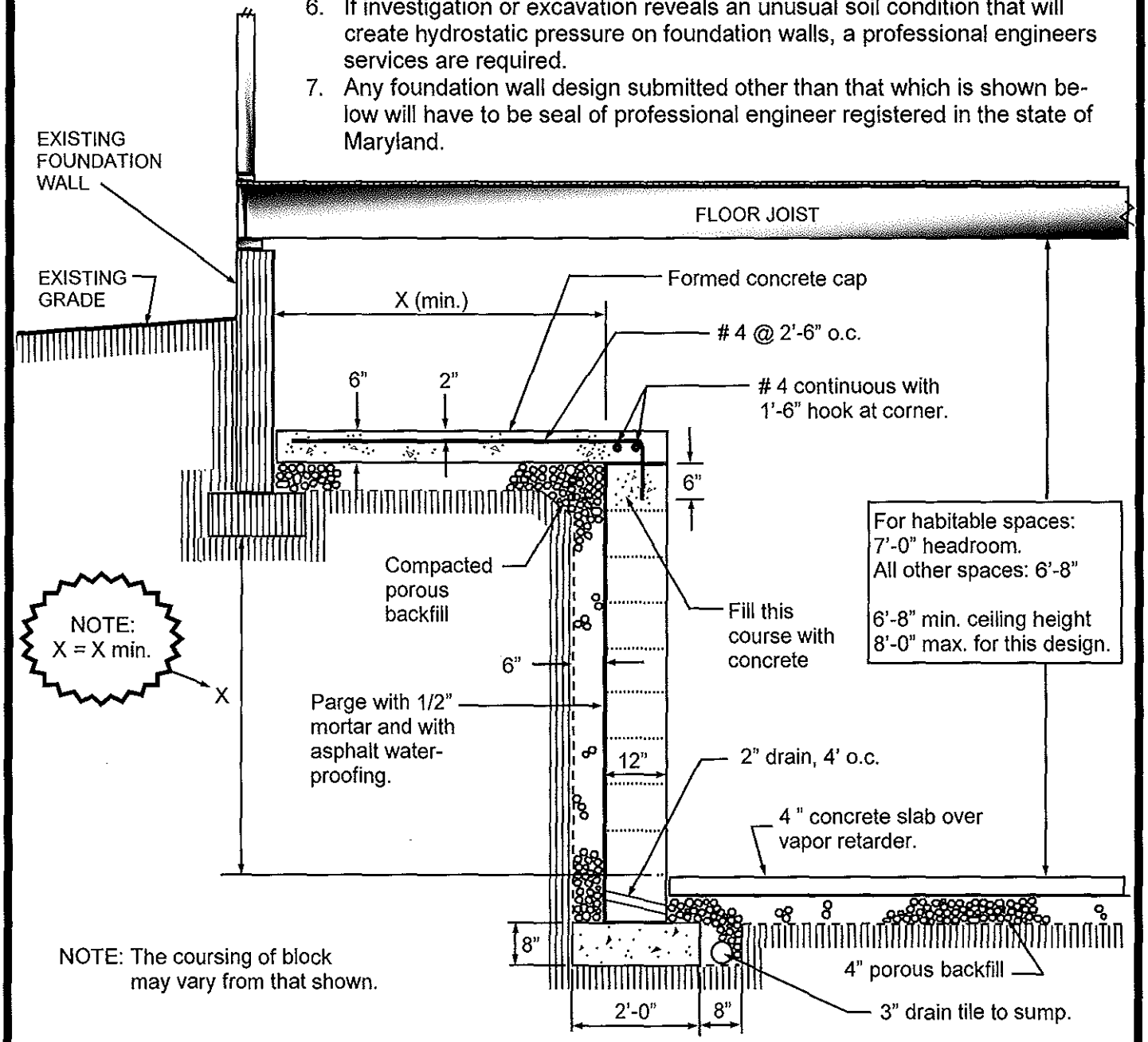
K. Radon Abatement Requirements

Baltimore County Building Codes

Codes	1 & 2 Family Dwelling Codes	Bill	Effective
2015 IBC	2015 IRC	40-15	7/1/2015
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 – 3rd Edition	4-82	3/26/1982
1978 BOCA	1975 One and Two Family Dwelling Code – 2nd 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

NOTES:

1. Provide 12" of horizontal joint reinforcement every 16" of wall height.
2. Concrete to test 3,000 psi at 28 days (5-1/2 bag mix).
3. Concrete block to be solid 25% voids.
4. No heavy equipment to operate around foundation walls.
5. All roof drainage downspouts to discharge their water at least 4 feet from foundation walls.
6. If investigation or excavation reveals an unusual soil condition that will create hydrostatic pressure on foundation walls, a professional engineers services are required.
7. Any foundation wall design submitted other than that which is shown below will have to be seal of professional engineer registered in the state of Maryland.



NOTE: The coursing of block may vary from that shown.

BALTIMORE COUNTY MARYLAND	PERMITS APPROVALS AND INSPECTIONS FORM 107	BALTIMORE COUNTY BUILDING CODE TYPICAL WALL SECTION FOR EXCAVATED BASEMENT	REVISION 1-27-2011

RESIDENTIAL ENERGY EFFICIENCY
CERTIFICATE OF COMPLIANCE
IECC 2015 - ZONE 4 EXCEPT MARINE

STREET ADDRESS _____ PERMIT # _____

THIS COMPLETED CERTIFICATE, OR ITS EQUIVALENT, MUST BE PERMANENTLY POSTED ON OR WITHIN SIX FEET OF ELECTRICAL PANEL AND BE READILY VISIBLE PER IECC 2015 SECTION R401.3 AND N1101.14.1 (BILL 40-15)

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[1]		
WALLS	20 or 13+5		
BASEMENT WALLS	10/13[2]		
SLAB	10 at 2 ft.		
CRAWL SPACE: WALL	10/13[2]		
FLOOR OVER UNCONDITIONED SPACE	19		
SUPPLY & RETURN DUCTS IN ATTIC	8[3]		DUCTS LESS THAN 3 INCHES R-6[3]

[1] R-38 PERMITTED IF EXTENDS UNCOMPRESSED OVER THE WALL TOP PLATE AT THE EAVES. (SECTION R402.2.1)
[2] THE FIRST VALUE APPLIES TO CONTINUOUS INSULATION; THE SECOND TO FRAMING CAVITY INSULATION.
[3] 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: R402.3.2	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
R403.3.4 DUCT TESTED AIR LEAKAGE NOT TO EXCEED 4 CFM PER 100 SQ FT. ☐ PASS

MECHANICAL CONTRACTOR _____ SIGNATURE _____ DATE _____ LICENSE # _____

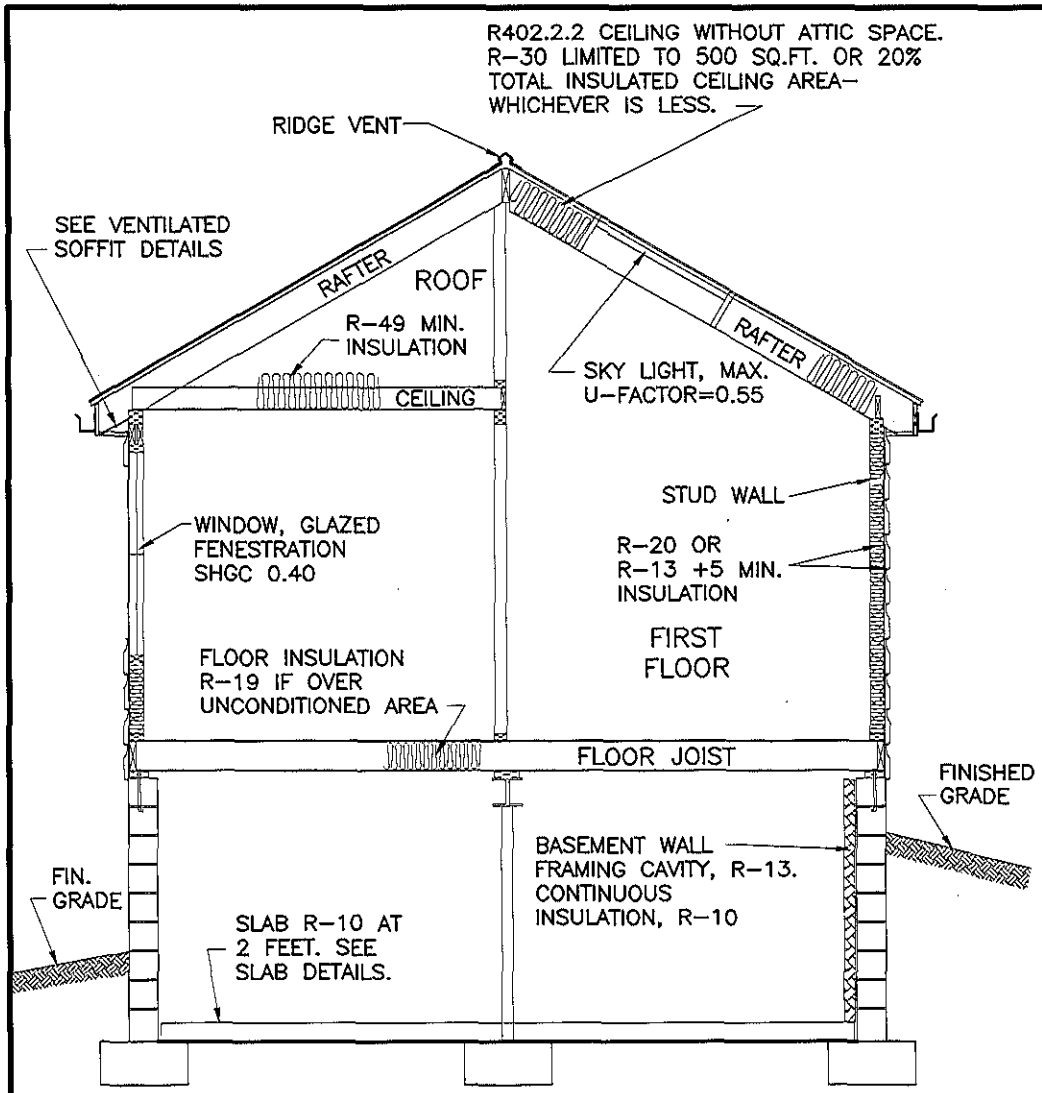
I CERTIFY THAT THE INFORMATION PROVIDED ABOVE IS TRUE AND COMPLETE:

BUILDING CONTRACTOR _____ SIGNATURE _____ DATE _____ LICENSE # _____

2015 INTERNATIONAL ENERGY CONSERVATION CODE

COMPONENT	PRESCRIPTIVE/DESIGN REFERANCE	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 TO COMPLY SECTION R402.4 OF IECC 2015.	
FIRE PLACES(WOOD) SECTION R402.4.2	SHALL HAVE TIGHT FITTING DOORS OR TIGHT FITTING FLUE DAMPERS, AND OUTSIDE COMBUSTION AIR.	
HOT WATER PIPE INSULATION	MINIMUM R-3 R403.5.3	
POOL HEATERS	COMPLY WITH SECTION R403.10 OF IECC 2015.	
THERMOSTATS	AT LEAST ONE THERMOSTAT SHALL BE PROVIDED FOR EACH SEPARATE HEATING AND COOLING SYSTEM. SECTION R403.1 OF IECC 2015.	
PROGRAMMABLE THERMOSTAT COMPLIANCE WITH SECTION R403.1.1	THERMOSTAT CONTROLLING PRIMARY HEATING OR COOLING SYSTEMS SHALL BE CAPABLE OF CONTROLLING ON A DAILY BASIS DIFFERENT SET POINTS AT DIFFERENT TIMES OF THE DAY.	
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 R403.3.2	ALL DUCTS, AIR HANDLERS, FILTER BOXES SHALL BE SEALED.	
DUCT TIGHTNESS NON-CONDITION SPACES R403.3.3	SHALL BE VERIFIED BY EITHER POST CONSTRUCTION TEST OR ROUGH-IN-TEST.	
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 R402.4.5	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 – 2015 EDITION
NAECA: NATIONAL APPLIANCE ENERGY CONSERVATION CODE



NOTES:

2015 IECC CODE COMPLIANCE ADDITIONS ONE-STORY AND 600 SQ.FT. OR LESS.

WHEN ANY PORTION OF A SPACE-CONDITIONING SYSTEM (HEATING, COOLING OR BOTH) IS INSTALLED OUTSIDE THE BUILDING THERMAL ENVELOPE, SUCH AS NATURALLY-VENTILATED ATTIC SPACE OR CRAWL SPACE, DUCK TIGHTNESS SHALL BE VERIFIED BY AIR LEAKAGE TEST. R403.3.3

EAVE BAFFLE R402.2.3 MUST MAINTAIN OPENING EQUAL OR GREATER THAN SIZE OF VENT.

Component Table R402.1.1	Required
Walls	R-20 OR R-13 +5
Mass Walls	R-8/13
Basement Wall	R-10/13
Crawl Space	R-10/13
Floor Slab	R-10 at 2 FT.
Floor over unconditioned space	R-19
Ceiling / Roof	R-49
Fenestration	Max. U-Factor 0.35
Skylight U-Factor	Max. U-Factor 0.55
Sunrooms-Thermally Isolated (R402.3.5)	Max. U-Factor 0.45
Access Hatches and Doors from Conditioned to unconditioned spaces	Weather stripped and insulated to equivalent on surrounding surfaces R402.2.4

BALTIMORE COUNTY MARYLAND

PERMITS, APPROVALS AND INSPECTIONS

ARNOLD JABLON
DIRECTOR

BALTIMORE COUNTY BUILDING CODE

BUILDING THERMAL ENVELOPE
ONE STORY ADDITIONS 600 SQ.FT. OR LESS

REVISIONS:

7-1-2015

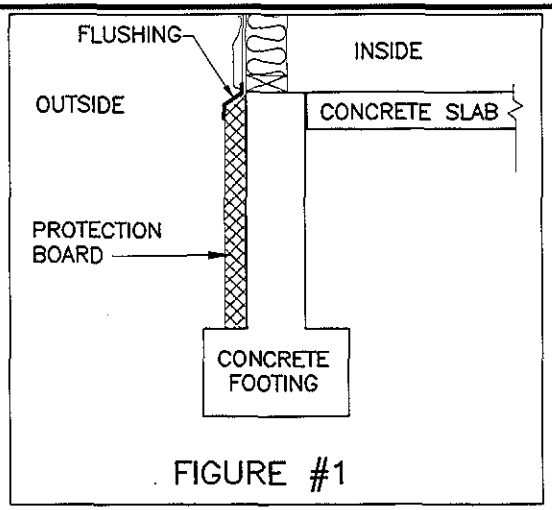


FIGURE #1

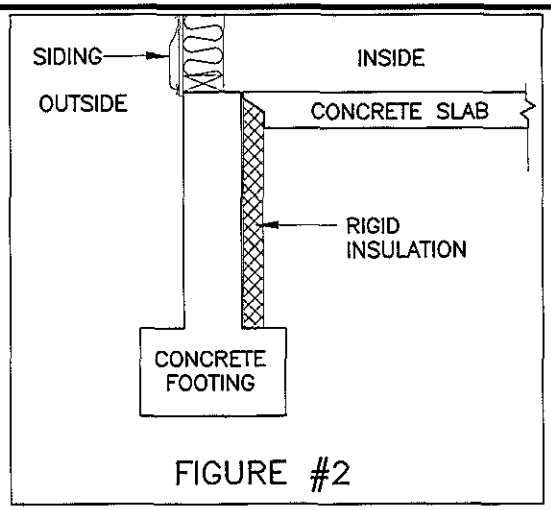


FIGURE #2

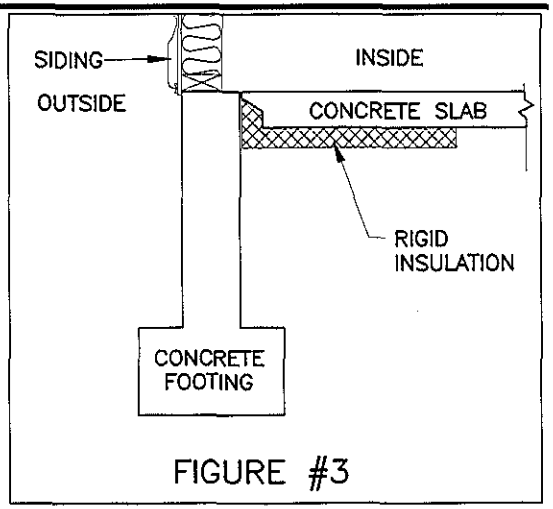
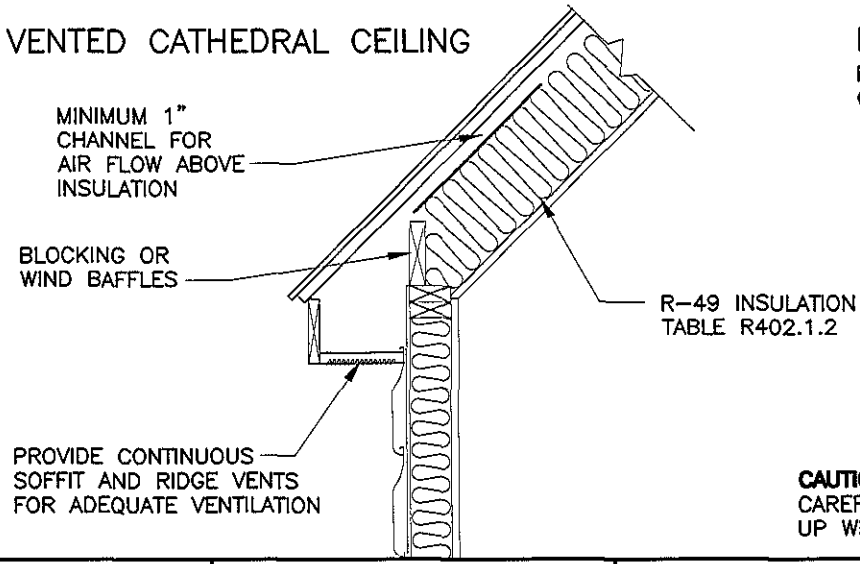


FIGURE #3

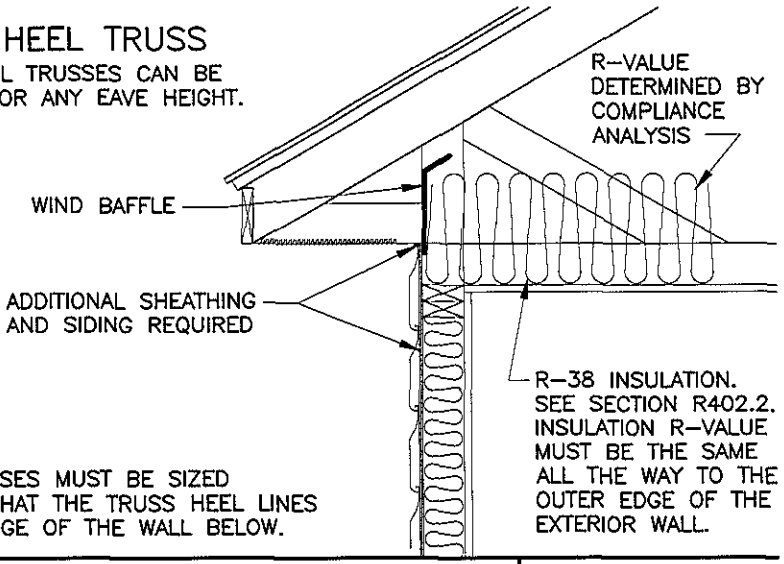
SLAB EDGE INSULATION OPTIONS. APPLIES TO SLABS WITH A FLOOR SURFACE < 12 INCHES BELOW GRADE. MUST EXTEND DOWNWARD FROM TOP OF SLAB **A MINIMUM OF 24 INCHES.**

VENTED CATHEDRAL CEILING



RAISED HEEL TRUSS

RAISED HEEL TRUSSES CAN BE ORDERED FOR ANY EAVE HEIGHT.



CAUTION: TRUSSES MUST BE SIZED CAREFULLY SO THAT THE TRUSS HEEL LINES UP WITH THE EDGE OF THE WALL BELOW.

BALTIMORE COUNTY MARYLAND

PERMITS, APPROVALS AND INSPECTIONS

ARNOLD JABLON
DIRECTOR

BALTIMORE COUNTY BUILDING CODE

BUILDING THERMAL ENVELOPE
ONE STORY ADDITIONS 600 SQ.FT. OR LESS

REVISIONS:

7-1-2015

SPECIES & GRADE. GRADING RULE APPLY	JOIST SIZES			40 lbs. PER SQ. FT. LIVE LOAD ALL ROOMS EXCEPT SLEEPING AREAS. DEAD LOAD = 10 PSF			30 lbs. PER SQ. FT. LIVE LOAD ALL ROOMS USED FOR SLEEPING AREAS. DEAD LOAD = 10 PSF		
				12" O.C.	16" O.C.	24" O.C.	12" O.C.	16" O.C.	24" O.C.
SOUTHERN PINE #1	2 x 6			10'- 9"	9'- 9"	8'- 6"	11'- 10"	10'- 9"	9'- 4"
	2 x 8			14'- 2"	12'- 10"	11'- 3"	15'- 7"	14'- 2"	12'- 4"
	2 x 10			18'- 0"	16'- 1"	13'- 1"	19'- 10"	18'- 0"	14'- 8"
	2 x 12			21'- 11"	19'- 1"	15'- 7"	24'- 2"	21'- 4"	17'- 5"
SOUTHERN PINE #2	2 x 6			10'- 3"	9'- 4"	7'- 7"	11'- 3"	10'- 3"	8'- 6"
	2 x 8			13'- 6"	11'- 10"	9'- 8"	14'- 11"	13'- 3"	10'- 10"
	2 x 10			16'- 2"	14'- 0"	11'- 5"	18'- 1"	15'- 8"	12'- 10"
	2 x 12			19'- 1"	16'- 6"	13'- 6"	21'- 4"	18'- 6"	15'- 1"
DOUGLAS FIR-LARCH #1	2 x 6			10'- 11"	9'- 11"	8'- 8"	12'- 0"	10'- 11"	9'- 7"
	2 x 8			14'- 5"	13'- 1"	11'- 0"	15'- 10"	14'- 5"	12'- 4"
	2 x 10			18'- 5"	16'- 5"	13'- 5"	20'- 3"	18'- 5"	15'- 0"
	2 x 12			22'- 0"	19'- 1"	15'- 7"	24'- 8"	21'- 4"	17'- 5"
DOUGLAS FIR-LARCH #2	2 x 6			10'- 9"	9'- 9"	8'- 3"	11'- 10"	10'- 9"	9'- 3"
	2 x 8			14'- 2"	12'- 9"	10'- 5"	15'- 7"	14'- 2"	11'- 8"
	2 x 10			18'- 0"	15'- 7"	12'- 9"	19'- 10"	17'- 5"	14'- 3"
	2 x 12			20'-11"	18'- 1"	14'- 9"	23'- 4"	20'- 3"	16'- 6"
HEM-FIR #1	2 x 6			10'- 6"	9'- 6"	8'- 4"	11'- 7"	10'- 6"	9'- 2"
	2 x 8			13'- 10"	12'- 7"	10'- 10"	15'- 3"	13'- 10"	12'- 1"
	2 x 10			17'- 8"	16'- 0"	13'- 3"	19'- 5"	17'- 8"	14'- 10"
	2 x 12			21'- 6"	18'- 10"	15'- 5"	23'- 7"	21'- 1"	17'- 2"

BALTIMORE COUNTY MARYLAND

PERMITS APPROVALS AND INSPECTIONS

BALTIMORE COUNTY BUILDING CODE

MAXIMUM ALLOWABLE JOISTS SPANS FOR GRADES & SIZES OF SPECIES

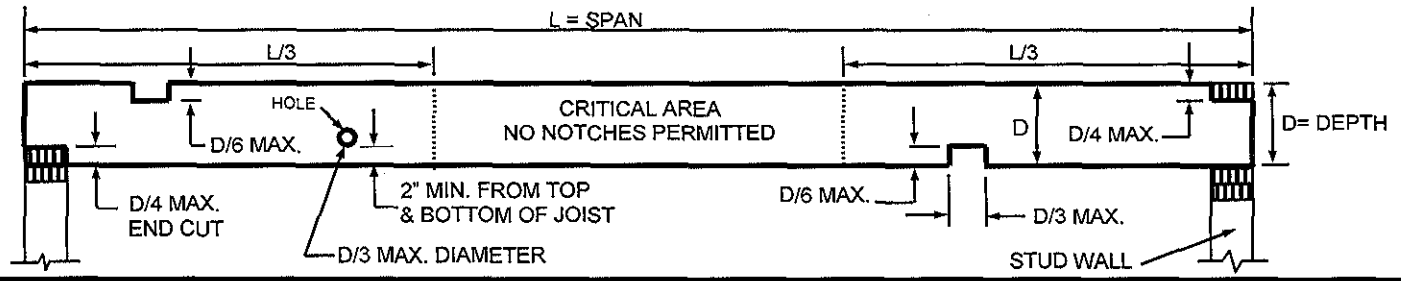
REVISIONS:

7-1-2015

SPECIES & GRADE. GRADING RULE APPLY	JOIST SIZES			40 lbs. PER SQ. FT. LIVE LOAD ALL ROOMS EXCEPT SLEEPING AREAS. DEAD LOADS = 10 PSF			30 lbs. PER SQ. FT. LIVE LOAD ALL ROOMS USED FOR SLEEPING AREAS. DEAD LOAD = 10 PSF		
				12" O.C.	16" O.C.	24" O.C.	12" O.C.	16" O.C.	24" O.C.
HEM-FIR #2	2 x 6			10'- 0"	9'- 1"	7'– 11"	11'- 0"	10'- 0"	8'- 9"
	2 x 8			13'- 2"	12'- 0"	10'- 2"	14'- 6"	13'- 2"	11'- 4"
	2 x 10			16'– 10"	15'- 2"	12'- 5"	18'- 6"	16'- 10"	13'- 10"
	2 x 12			20'- 4"	17'- 7"	14'- 4"	22– 6"	19'- 8"	16'- 1"
SPRUCE PINE-FIR #1 & #2	2 x 6			10'- 3"	9'- 4"	8'- 1"	11'- 3"	10'- 3"	8'- 11"
	2 x 8			13'- 6"	12'- 3"	10'- 3"	14'- 11"	13'- 6"	11'- 6"
	2 x 10			17'- 3"	15'- 5"	12'- 7"	19'- 0"	17'- 2"	14'- 1"
	2 x 12			20'- 7"	17'- 10"	14'- 7"	23'- 0"	19'- 11"	16'- 3"

Based on 2015 International Residential Building Code, Section R502.3

For other grades and species and for other loading condition, refer to the American Wood Council, 2015, 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:
7-1-2015

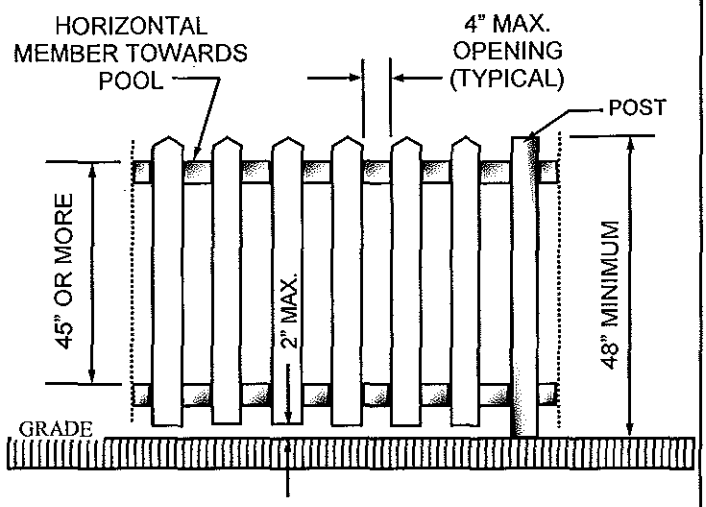


FIGURE 1- PICKET FENCE

(HORIZONTAL MEMBERS 45" OR MORE APART)

ALL MEASUREMENTS SHOULD BE TAKEN OUTSIDE BARRIER OR FENCE. DECORATIVE CUTOUTS SPACING WITHIN VERTICAL MEMBERS SHALL NOT EXCEED 1-3/4" IN WIDTH.

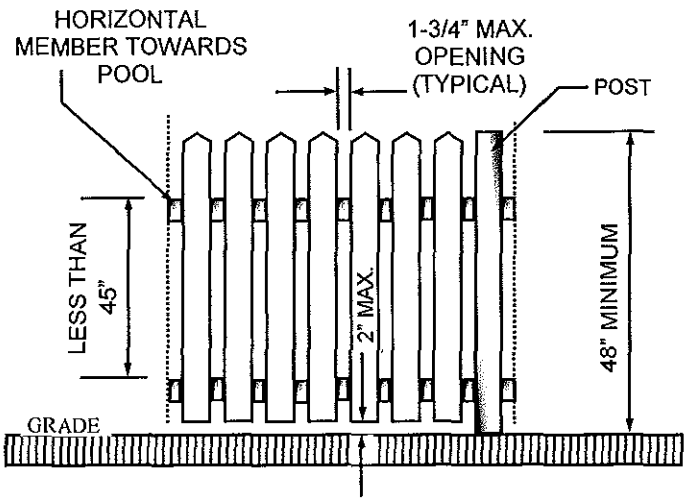


FIGURE 2- PICKET FENCE

(HORIZONTAL MEMBERS LESS THAN 45" APART)

ALL MEASUREMENTS SHOULD BE TAKEN OUTSIDE BARRIER OR FENCE. DECORATIVE CUTOUTS SPACING WITHIN VERTICAL MEMBERS SHALL NOT EXCEED 1-3/4" IN WIDTH.

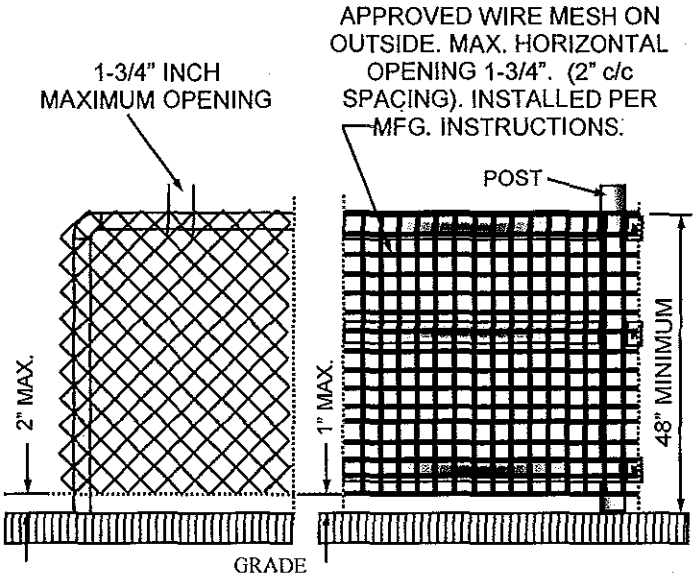
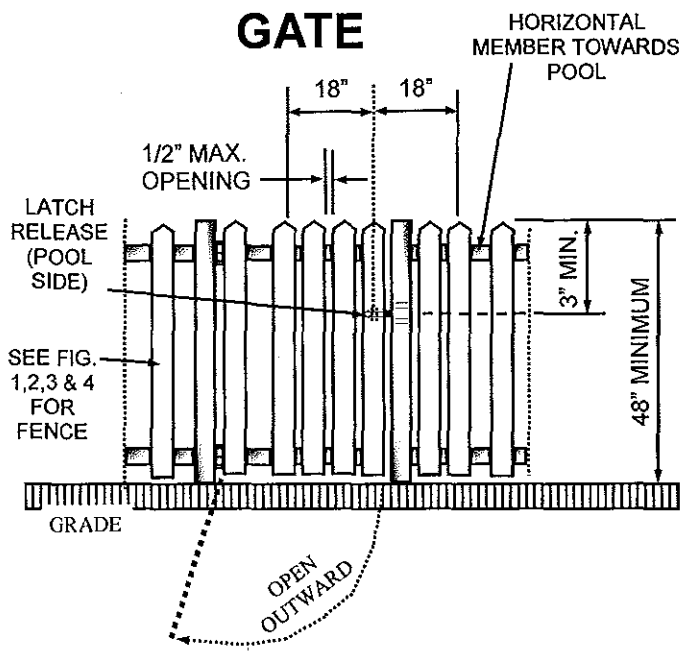


FIGURE 3 CHAIN LINK

FIGURE 4 POST & RAIL

ALL MEASUREMENTS SHOULD BE TAKEN OUTSIDE BARRIER OR FENCE. DECORATIVE CUTOUTS SPACING WITHIN VERTICAL MEMBERS SHALL NOT EXCEED 1-3/4" IN WIDTH.

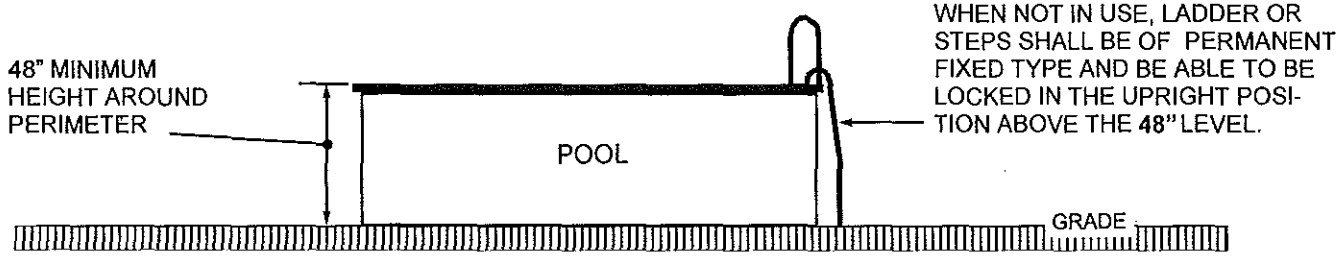
GATE



GATES SHALL HAVE A SELF-LATCHING, SELF-CLOSING DEVICE LOCATED INSIDE THE POOL AREA.

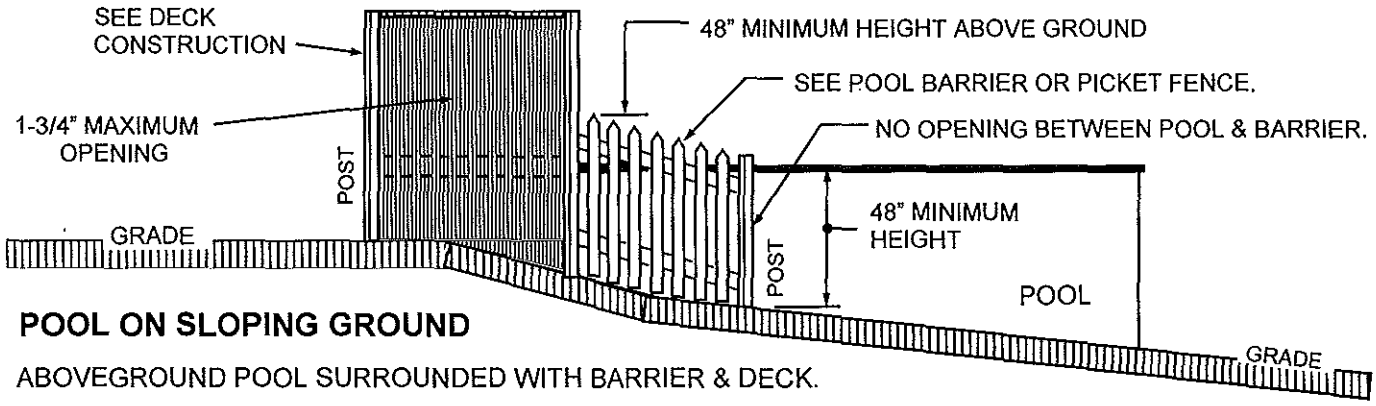
BARRIER ALARMS WHERE REQUIRED SHALL BE LISTED & LABELED AS A WATER HAZARD ENTRANCE ALARM IN ACCORDANCE WITH UL 2017.

BALTIMORE COUNTY MARYLAND	**PERMITS, APPROVALS AND INSPECTIONS**	BALTIMORE COUNTY BUILDING CODE **SWIMMING POOLS, SPAS AND HOT TUBS BARRIER REQUIREMENTS**	REVISION 7-15-15 DRAWN BY JOS VENTURINA



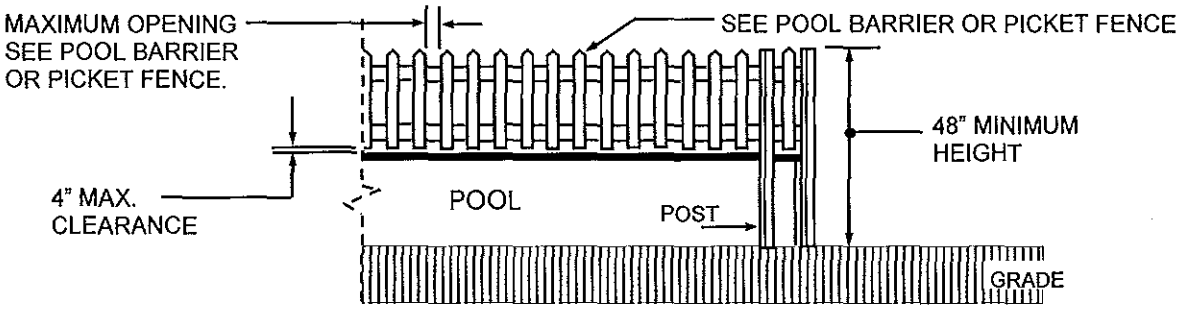
POOL 48" OR MORE IN HEIGHT

ABOVEGROUND POOL STRUCTURE IS USED AS BARRIER.



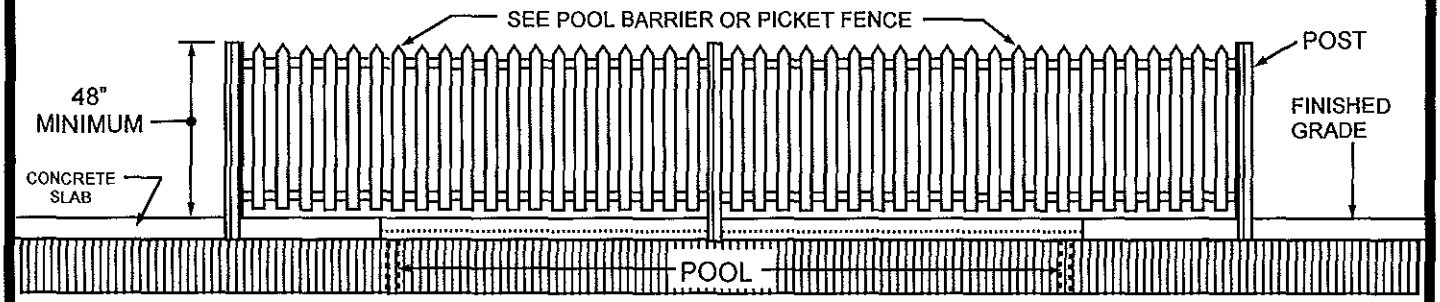
POOL ON SLOPING GROUND

ABOVEGROUND POOL SURROUNDED WITH BARRIER & DECK.



POOL LESS THAN 48" HEIGHT

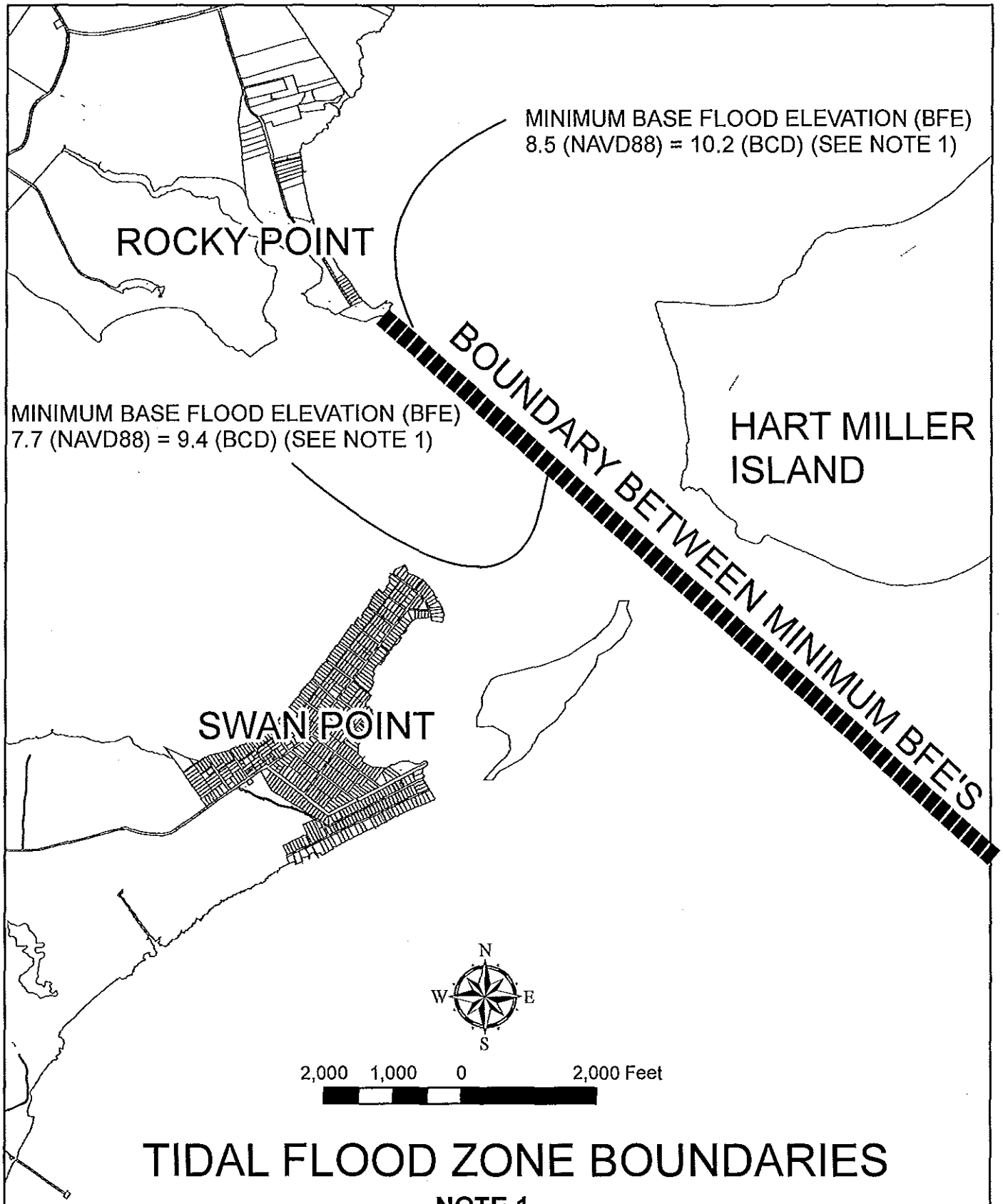
ABOVEGROUND POOL WITH BARRIER ON TOP AND AROUND THE RIM.



INGROUND POOL

INGROUND POOL WITH BARRIER AROUND POOL PERIMETER.

BALTIMORE COUNTY MARYLAND	**PERMITS, APPROVALS AND INSPECTIONS**	BALTIMORE COUNTY BUILDING CODE **SWIMMING POOLS, SPAS AND HOT TUBS BARRIER REQUIREMENTS**	REVISION 7-15-15 DRAWN BY JOS VENTURINA



TIDAL FLOOD ZONE BOUNDARIES

NOTE 1

This map shows the boundary between Zone AE (BFE 8.5) to the north and east of this line and Zone AE (BFE 7.7) to the south and west of this line as indicated on the September 26, 2008 FIRM maps, These elevations are minimums and may be exceeded by the May 5, 2014 FIRM maps. See Bill 42-15 for important information concerning the use of this map.

DECK CONSTRUCTION GUIDELINES

Kevin Kamenetz,
County Executive

Arnold Jablon,
Director, PAI

Important Points:

1. **Footings-** Footings SHALL bear on UNDISTRUBED solid ground (not backfill) and have a minimum frost depth of 30 inches. Minimum size of footing shall be per deck footing size chart. Minimum thickness of footings shall be 10". Minimum compressive strength of concrete is 3000 psi. Footings within 3' or less from existing exterior house wall shall bare at same elevation as house foundation.

2. **Lumber-** All lumber shall be identified as southern pine, grade #2 or better and shall be pressure-treated with an approved process and preservative in accordance with American Wood Protection Association standards. All lumber in contact with the ground shall be approved preservative treated wood suitable for "ground-contact". Maximum height of 6 x 6 post is 12 feet.

3. **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.* When there is no adequate attachment base available, the deck must be supported independently of the house (non-ledger). Where positive connection to the primary building structure cannot be verified during inspection, decks shall be self-supporting (non-ledger).

4. **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.* Fasteners and connectors exposed to salt water or located within 300 feet of a salt water shoreline shall be stainless steel grade 304 or 316.

5. **Cross bracing and Hold Down Tension Devices-** Cross-bracing required for decks over 5 feet high. Minimum of 4 hold down tension-ties required, to be installed at each end joist and first inside joist.

6. **Guards and Railings-** Guard posts shall be attached to deck structure with minimum two, ½" diameter through bolts and washers, no closer than 2" of top and bottom of support beam.

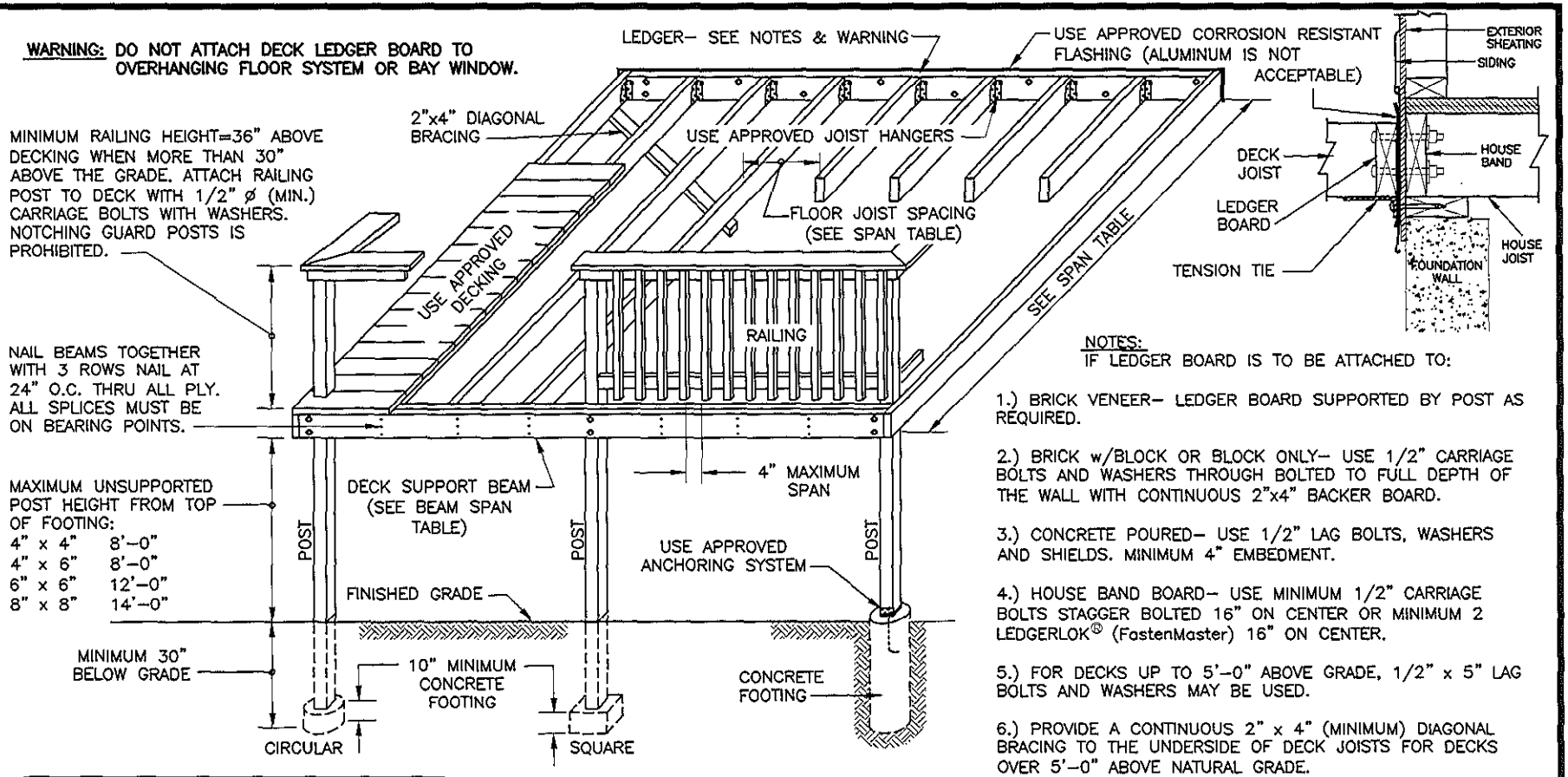
7. **Outdoor electrical receptacle-** Required when deck is attached to dwelling and is accessible from inside dwelling. Outlet to be no higher than 6 ½ feet above the walking surface.

8. **Deck Designs-** Should design not comply with the typical deck details of either the Baltimore County Deck Construction Guidelines, or the Maryland Building Officials Association (MBOA) with minor exceptions above; **THEN** deck must be designed by Maryland Design Professional with two sets of signed and sealed construction drawings submitted at time of permit application.

Building Inspections

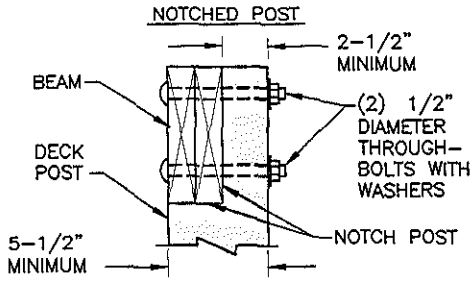
Your deck will require an issued permit, and building inspection thru-out the construction process.

1. Footing (102), 2. Framing (107) if less than 16" above ground, 3. Completion (116)



*BEAM SPAN	(FOR 12 FT. JOIST SPAN)
2– 2" x 6"	MAX. SPAN= 4'–7"
2– 2" x 8"	MAX. SPAN= 5'–11"
3– 2" x 8"	MAX. SPAN= 7'–6"
2– 2" x 10"	MAX. SPAN= 7'–1"
3– 2" x 10"	MAX. SPAN= 8'–9"
2– 2" x 12"	MAX. SPAN= 8'–4"
3– 2" x 12"	MAX. SPAN= 10'–6"

* BEAM SPAN BASED ON A.W.C. FOR NO. 2 GRADE SOUTHERN PINE, 40 P.S.F. LIVE LOAD AND 10 P.S.F. DEAD LOAD



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"x4" 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 LEDGERLOK® (FastenMaster) 16" ON CENTER.

5.) FOR DECKS UP TO 5'–0" ABOVE GRADE, 1/2" x 5" LAG BOLTS AND WASHERS MAY BE USED.

6.) PROVIDE A CONTINUOUS 2" x 4" (MINIMUM) DIAGONAL BRACING TO THE UNDERSIDE OF DECK JOISTS FOR DECKS OVER 5'–0" ABOVE NATURAL GRADE.

7.) PERFORMANCE RATED RIM BOARD– USE MINIMUM 1/2" CARRIAGE BOLTS STAGGER BOLTED AS FOLLOWS:

UP TO 12 FT. SPAN	16" ON CENTER
13 FT. – 15 FT. SPAN	10" ON CENTER
GREATER THAN 16 FT. SPAN	9" ON CENTER
LEDGERLOK® (FastenMaster)	2 PER 16" O.C. STAGGERED

8.) ALL NAILS, BOLTS & HANGERS MUST BE HOT DIP GALVANIZED, STAINLESS STEEL OR TRIPPLE COATED ZINC POLYMER MATERIAL.

PERMITS, APPROVAL AND INSPECTIONS

ARNOLD JABLON
DIRECTOR

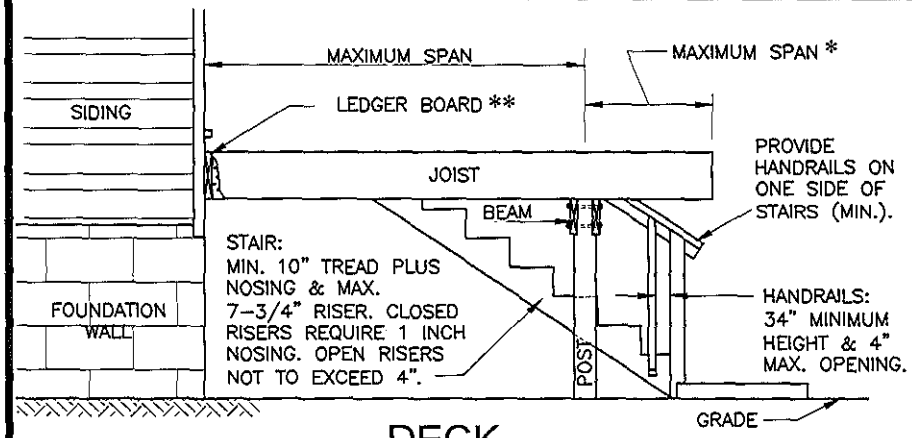
BALTIMORE COUNTY BUILDING CODE

DECK CONSTRUCTION DETAILS

FOR ACQ PRESSURE TREATED WOODS

REVISION

OCTOBER 20, 2015



DECK

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

40 psf LIVE LOAD ON SUPPORTED SECTION OF JOIST.

** LEDGER BOARD: SHALL BE EQUAL TO OR GREATER THAN THE DECK JOIST DEPTH, BUT LESS THAN OR EQUAL TO THE HOUSE BAND BOARD OR RIM JOIST DEPTH. LEDGER BOARD SHALL BE A MINIMUM 2"x8" NOMINAL.

IRC TABLE R507.5
SPAN TABLE – DECK JOISTS (PRESSURE TREATED SOUTHERN PINE #2)

JOIST SIZE	SPACING	MAXIMUM SPAN
2" x 6"	12" ON CENTER	9'– 11"
	16" ON CENTER	9'– 0"
	24" ON CENTER	7'– 7"
2" x 8"	12" ON CENTER	13'– 1"
	16" ON CENTER	11'– 10"
	24" ON CENTER	9'– 8"
2" x 10"	12" ON CENTER	16'– 2"
	16" ON CENTER	14'– 0"
	24" ON CENTER	11'– 5"
2" x 12"	12" ON CENTER	18'– 0"
	16" ON CENTER	16'– 6"
	24" ON CENTER	13'– 6"

* MAXIMUM ALLOWABLE OVERHANG OF DECK JOIST

(PRESSURE TREATED SOUTHERN YELLOW PINE #2)

NOTE: OVERHANG SHALL NOT EXCEED 1/4 OF ACTUAL MAIN SPAN. SPANS ARE BASED ON AMERICAN WOOD COUNCIL FOR NO. 2 GRADE SOUTHERN PINE.

JOIST SIZE	SPACING	MAXIMUM OVERHANG
2" x 6"	12" ON CENTER	1'– 3"
	16" ON CENTER	1'– 1"
	24" ON CENTER	1'– 0"
2" x 8"	12" ON CENTER	2'– 4"
	16" ON CENTER	2'– 0"
	24" ON CENTER	1'– 10"
2" x 10"	12" ON CENTER	3'– 5"
	16" ON CENTER	3'– 1"
	24" ON CENTER	2'– 10"
2" x 12"	12" ON CENTER	4'– 6"
	16" ON CENTER	4'– 2"
	24" ON CENTER	3'– 4"

DECK FOOTING SIZES FOR ALL POSTS

SOUTHERN PINE

BEAM SPAN	JOIST SPAN	6x6 POST HEIGHT	ROUND FOOTING DIAMETER	SQUARE FOOTING	FOOTING THICKNESS
6'	10'	12'	18"	16" x 16"	10"
	14'	12'	18"	16" x 16"	10"
8'	10'	12'	18"	16" x 16"	10"
	14'	12'	18"	16" x 16"	10"
10'	10'	12'	18"	16" x 16"	10"
	14'	12'	18"	16" x 16"	10"
12'	10'	12'	18"	16" x 16"	10"
	14'	12'	18"	16" x 16"	10"

BALTIMORE COUNTY MARYLAND

PERMITS, APPROVAL AND INSPECTIONS

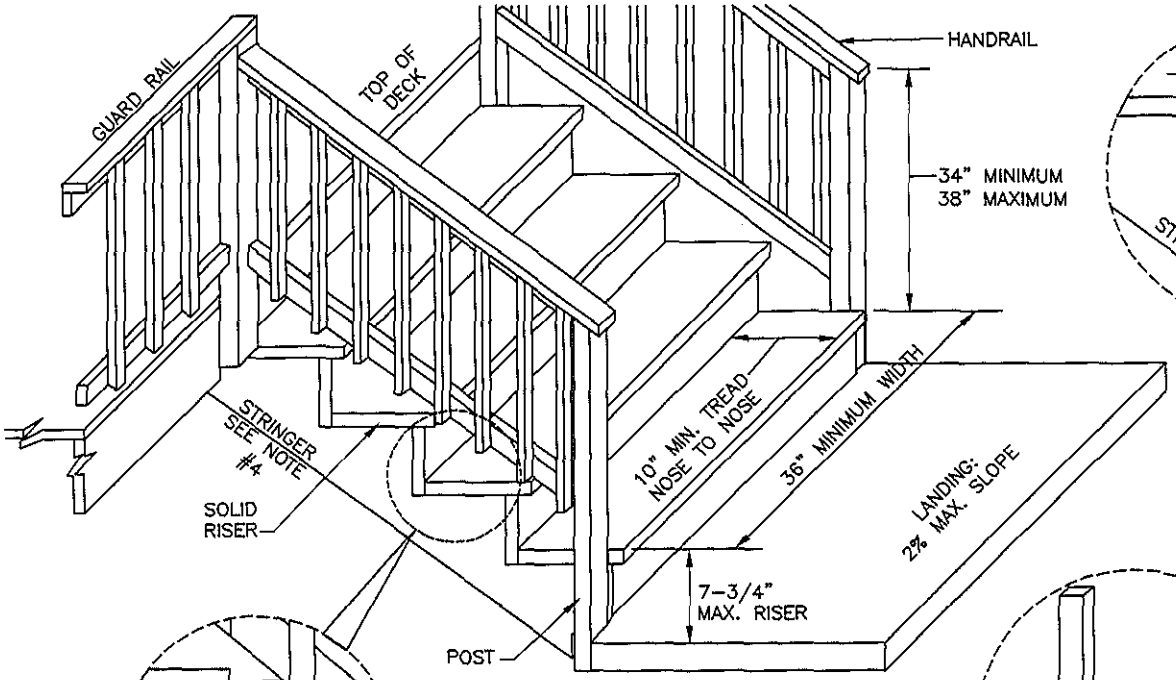
BALTIMORE COUNTY BUILDING CODE

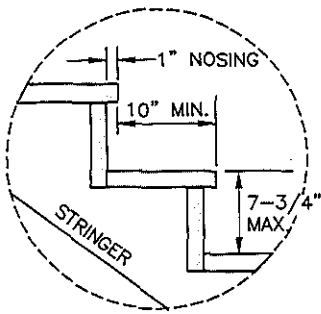
DECK CONSTRUCTION DETAILS

FOR ACQ PRESSURE TREATED WOODS

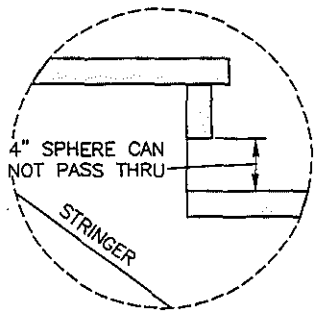
REVISION

OCTOBER 29, 2015



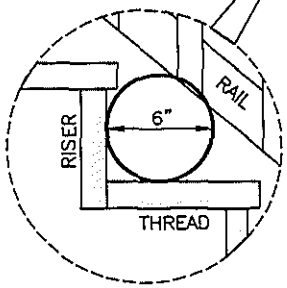


SOLID RISER

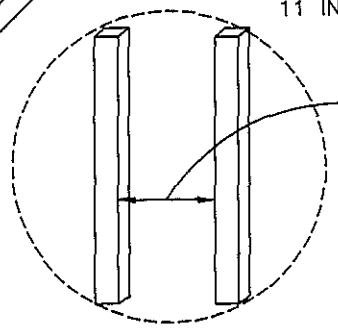


OPEN RISER

MAXIMUM RISER HEIGHT SHALL BE 7-3/4 INCHES AND MINIMUM THREAD DEPTH SHALL BE 10 INCHES. A 1 INCH NOSING SHALL BE PROVIDED ON STAIRWAYS WITH SOLID RISER. A 1 INCH NOSING IS NOT REQUIRED WHERE THE TREAD DEPTH IS A MINIMUM OF 11 INCHES.



TRIANGULAR OPENINGS FORMED BY THE RISER, TREAD AND BOTTOM RAIL ARE PERMITTED TO BE OF SUCH A SIZE THAT A SPHERE 6 INCHES CAN NOT PASS THROUGH.



GUARD RAILS

4 INCHES SPHERE CAN NOT PASS THROUGH RAILING.

NOTES:

1. ONE (1) HANDRAIL IS REQUIRED FOR 4 OR MORE RISER.
2. TWO (2) GUARDRAILS ARE REQUIRED FOR THREAD SURFACES MORE THAN 30 INCHES 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 MUST 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 INCHES IN HEIGHT TO A YARD OR COURT.

BALTIMORE COUNTY MARYLAND	PERMITS, APPROVAL AND INSPECTIONS	BALTIMORE COUNTY BUILDING CODE OUTSIDE DECK STAIR DETAILS	REVISION NOVEMBER 2, 2015

EXCERPT FROM THE LIVABILITY CODE WITHIN THE BALTIMORE COUNTY CODE

§ 35-5-213.1. CARBON MONOXIDE ALARMS.

(a) *Definitions.*

(1) In this section, the following words have the meanings indicated.

(2) *Carbon monoxide alarm.* "Carbon monoxide alarm" means a device that:

(i) Senses carbon monoxide;

(ii) When sensing carbon monoxide, emits a distinct and audible sound; and

(iii) Is listed and carries the listing of a nationally recognized testing laboratory approved by the Office of the State Fire Marshal.

(3) *Enclosed parking area.* "Enclosed parking area" means a structure or a portion of a structure that:

(i) Is designed to be used for the parking of motor vehicles; and

(ii) Is not more than 50% open to the outside air on a continuous basis.

(4) *Fuel burning equipment.* "Fuel burning equipment" means equipment that burns solid, liquid, or gaseous fuel or any combination of solid, liquid, or gaseous fuels.

(5) *Housing unit.* "Housing unit" includes a housing unit in a boarding-rooming house authorized under § 408B of the Baltimore County Zoning Regulations.

(6) *NFPA 720.* "NFPA 720" means NFPA 720, Standard for Installation of Carbon Monoxide Warning Equipment in Dwelling Units, 2005 Edition.

(b) *Applicability.* This section applies to a housing unit, whether newly constructed or already existing:

(1) In which fuel burning equipment is installed or that is otherwise heated by fuel burning equipment; or

(2) That is attached to an enclosed parking area.

(c) *Location.* A carbon monoxide alarm shall be installed in the common area outside of, and audible in, each sleeping area in the housing unit.

(d) *Testing; maintenance.* A carbon monoxide alarm shall be attached to a wall or ceiling and tested and maintained in accordance with:

(1) NFPA 720; or

(2) The manufacturer's recommendation.

(e) *Distinctive sound.* A carbon monoxide alarm shall sound a distinctively different alarm than a smoke alarm within the same housing unit.

(f) *Property owner's obligations.*

(1) The property owner shall:

(i) Supply and install one or more carbon monoxide alarms;

(ii) Provide written information on alarm testing and maintenance to at least one adult occupant of the housing unit; and

(iii) Secure and maintain the signature of the adult receiving the written information under subparagraph (ii) of this paragraph acknowledging receipt of the information.

(2) Upon receiving a notice under subsection (g)(3) of this section or on turnover, as applicable, the property owner shall be responsible for the repair or replacement of carbon monoxide alarms.

(g) *Occupant's obligations.* An occupant shall:

(1) Test and maintain carbon monoxide alarms according to the manufacturer's guidelines;

(2) Replace batteries as needed; and

(3) Immediately notify the property owner, by certified mail, of any malfunction or other problem of the carbon monoxide alarm.

(h) *Wiring; secondary battery backup.*

(1) If Title 12, Subtitle 11 of the Public Safety Article of the Annotated Code of Maryland applies to the housing unit, the carbon monoxide alarm shall be wired into an alternating current (AC) powerline with a secondary battery backup.

(2) If Title 12, Subtitle 11 of the Public Safety Article of the Annotated Code of Maryland does not apply to the housing unit, the carbon monoxide alarm shall be:

(i) Wired into an alternating current (AC) powerline with a secondary battery backup;

(ii) Plugged into an electrical outlet not controlled by a switch, with secondary battery backup; or

(iii) Battery powered.

(i) *Combination with smoke alarm.* A carbon monoxide alarm may be combined with a smoke alarm if the combined device complies with:

(1) All state and local laws that govern the installation of the device at the time of installation; and

(2) Underwriters Laboratories (UL) Standards 217 and 2034.

(j) *Hearing impaired occupants.* The property owner shall provide a carbon monoxide alarm that is designed to alert individuals with hearing impairments if:

(1) The housing unit is occupied by an individual who is hearing impaired; and

(2) An occupant has requested the installation of the alarm in writing by certified mail.

(k) *Disabling alarm prohibited.* Except as needed for repair or routine maintenance, a person may not:

(1) Remove or disconnect a required carbon monoxide alarm;

(2) Remove batteries from a carbon monoxide alarm; or

(3) Render a required carbon monoxide alarm inoperable.

(l) *Compliance certification.* The property owner of a housing unit subject to this section and not otherwise subject to Title 12, Subtitle 11 of the Public Safety Article of the Annotated Code of Maryland shall certify to the satisfaction of the Code Official that the housing is in compliance with this section not more than 30 days after the housing unit is subject to this section.

(Bill No. 91-09, § 1, 2-13-2010)

STATE LAW REQUIRES CARBON MONOXIDE ALARMS FOR DWELLINGS THAT USE FOSSIL FUELS CONSTRUCTIONED UNDER PERMITS ISSUED ON AND AFTER 01/01/2008

Excerpts from the Public Safety Article of the Annotated Code of Maryland. Title12. Building and Material Codes; Other Safety Provisions, Subtitle 11. Carbon Monoxide Alarms.

§ 12-1102. Scope.

This subtitle only applies to a dwelling that:

1. relies on the combustion of a fossil fuel for heat, ventilation, hot water, or clothes dryer operation; and

2. is a newly constructed dwelling for which a building permit is issued on or after January 1, 2008.

§ 12-1104. Installation of alarms.

(a) *Areas* - There must be a carbon monoxide alarm installed in a central location outside of each sleeping area within a dwelling subject to this subtitle.

(b) Installation of alarm near carbon monoxide producing equipment - Notwithstanding subsection (a) of this section, if there is a centralized alarm system that is capable of emitting a distinct and audible sound to warn all occupants, the owner of a dwelling may install a carbon monoxide alarm within 25 feet of any carbon monoxide-producing fixture and equipment.

Note 1. The alarm must be wired into an alternating current (AC) powerline with secondary battery backup.

Note 2. The alarm must be attached to the wall or ceiling in accordance with (1) the National Fire Protection Association (NFPA) 720 standard for the installation of carbon monoxide warning equipment in dwelling units; and (2) the manufacturer's recommendations.

RADON ABATEMENT REQUIREMENTS IN BALTIMORE COUNTY

2015 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