

1 **PART 126.2.1 SILLS.**

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

4 **PART 126.2.2 WINDOW WELLS.**

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

8 **PART 127 BALTIMORE COUNTY MAINTAINED GRINDER PUMPS.**

9 ALL GRINDER PUMP STATIONS MAINTAINED BY BALTIMORE COUNTY SHALL BE  
10 POWERED BY AN OUTDOOR WEATHERPROOF SERVICE ENTRANCE DISCONNECT  
11 MAIN LUG PANEL (MINIMUM 8 CIRCUIT) UTILIZING A 60 AMP BACKFEED MAIN  
12 BREAKER. THE GRINDER SERVICE DISCONNECT PANEL SHALL BE LOCATED  
13 OUTSIDE OF THE STRUCTURE ADJECENT TO AND WITHIN SIGHT OF THE UTILITY  
14 ELECTRIC METER, CONNECTED TO THE UTILITY METER USING SEU CABLE OR  
15 PVC CONDUIT. THE GRINDER PUMP SERVICE DISCONNECT ENTRANCE PANEL  
16 WILL REQUIRE 240 VOLT 60 AMP MAIN BREAKER, 240 VOLT 30 AMP GFCI  
17 BREAKER, 240 VOLT SURGE PROTACTION DEVICE, AND A 115 VOLT 15 AMP GFCI  
18 BREAKER. THE SYSTEM WILL REQUIRE A GRINDER CONTROL PANEL AND  
19 AUXILLARY ALARM PANEL CONNECTED TO THE GRINDER SERVICE DISCONNECT  
20 PANEL WITH ¾ PVC CONDUIT OR WEATHERPRROF FLEXABLE CONDUIT. ALL  
21 PANELS SHALL BE INTERCONNECTED FROM THE BOTTOM UTILIZING ONE  
22 CONDUIT ENTERING EACH PANEL. CONDUITS FEDING THROUGH PANELS WILL  
23 NOT BE ACCEPTED. THE GRINDER PUMP CABLE AND A 1-1/4 SCHEDUAL 80 PVC

1 CONDUIT FROM THE GRINDER CONTROL PANEL TO THE GRINDER PIT WILL BE  
2 REQUIRED TO BE INSTALLED WITHOUT SPLICES. AN ELECTRICAL PERMIT FOR  
3 ALL GRINDER PUMP WIRING AND WIRING TO THE GRINDER PUMP PIT WILL BE  
4 REQUIRED. ALL EQUIPMENT AND WIRING METHODS SHALL BE APPROVED BY  
5 THE BALTIMORE COUNTY DEPARTMENT OF PUBLIC WORKS AND  
6 TRANSPORTATION PRIOR TO THE INSTALLATION. WHEN THE ELECTRICAL  
7 PERMIT IS ISSUED A FIELD MEETING WITH THE UTILITIES PUMPING DIVISION  
8 PERSONNEL WILL BE HELD ONSITE. THE SPECIFIC GRINDER PUMP CONTROL  
9 PANEL MODEL, CABLE DISTRIBUTER, AND AUXILIARY ALARM PANEL  
10 EQUIPMENT INFORMATION AND WIRING INSTRUCTIONS WILL BE SUPPLIED AT  
11 THAT TIME.

12 **PART 128 ELECTRICAL.**

13 **PART 128.1 GENERAL.**

14 THE DESIGN AND CONSTRUCTION OF ALL NEW INSTALLATIONS OF ELECTRICAL  
15 CONDUCTORS, FITTINGS, DEVICES AND FIXTURES FOR LIGHT, HEAT AND  
16 POWER SERVICE EQUIPMENT USED FOR POWER SUPPLY TO RADIO AND  
17 TELEVISION RECEIVING SYSTEMS AND AMATEUR RADIO TRANSMISSION  
18 SYSTEMS IN BUILDINGS AND STRUCTURES, AND ALL ALTERATIONS OR  
19 EXTENSIONS TO EXISTING WIRING SYSTEMS THEREIN TO INSURE SAFETY,  
20 SHALL CONFORM TO ARTICLE 21, TITLE 7, SUBTITLE 3 OF THE BALTIMORE  
21 COUNTY CODE, 2015 AS AMENDED, INCLUDING THE REQUIREMENTS FOR PERMITS  
22 AND INSPECTIONS WITH RESPECT THERETO, AND TO THE NATIONAL  
23 ELECTRICAL CODE (NEC), AS AMENDED.

**1 PART 128.1.1 OUT OF STATE LICENSED CONTRACTORS.**

2 ALL WORK BEING PERFORMED ON A PERMIT ISSUED TO A REGISTERED  
3 ELECTRICAL CONTRACTOR WHOSE BUSINESS ADDRESS IS OUTSIDE THE STATE  
4 OF MARYLAND MUST BE DIRECTLY SUPERVISED BY A BALTIMORE COUNTY  
5 REGISTERED ELECTRICIAN PER THE MARYLAND ANNOTATED CODE, BUSINESS  
6 OCCUPATIONS & PROFESSIONS ARTICLE.

**7 PART 128.1.2 REPAIRS TO ALUMINUM CONDUCTORS.**

8 ALL REPAIRS, CHANGES, OR MODIFICATIONS INVOLVING THE USE OF  
9 ALUMINUM CONDUCTORS SHALL BE MADE SOLELY BY LICENSED ELECTRICAL  
10 CONTRACTORS. ALL REPAIRS SHALL REQUIRE PERMITS AND INSPECTIONS  
11 PURSUANT TO SECTION 21-7-302 OF THE BALTIMORE COUNTY CODE, 2015, AS  
12 AMENDED.

**13 PART 128.1.3 SIGNS, LABELS, MARKINGS.**

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

16 THE LABEL REQUIRED PER 230.85 IN THE 2023 EDITION OF THE NEC SHALL ALSO  
17 BE REFLECTIVE.

**18 PART 128.1.4 ACCESSIBILITY OF BUILDING SERVICE DISCONNECT.**

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

**21 PART 128.1.4.1 MULTI-SERVICE SINGLE TENANT/OCCUPANT BUILDING.**

22 A SINGLE EMERGENCY DISCONNECT MEANS SHALL BE PROVIDED AT EACH  
23 SERVICE CONNECTION WHICH SHALL SIMUTANEOUSLY DISCONNECT ALL

1 **BUILDING NORMAL POWER SOURCES.**

2 **PART 128.1.5 SECURING AND SUPPORTING ELECTRICAL FIXTURES, DEVICES**  
3 **AND EQUIPMENT IN SUSPENDED CEILINGS.**

4 IN ADDITION TO THE REQUIREMENTS OF THE CURRENT EDITION OF THE NEC,  
5 ALL ELECTRICAL FIXTURES, DEVICES, AND EQUIPMENT MUST BE SECURED  
6 INDEPENDENTLY OF THE CEILING GRID STRUCTURE UTILIZING A MINIMUM 12  
7 SWG WIRE. LAY-IN FIXTURES SHALL BE SECURED AT DIAGONAL ENDS USING  
8 TWO (2) INDIVIDUAL WIRES FROM FIXTURE TO STRUCTURE. RECESSED TYPE  
9 FIXTURES SHALL BE SECURED TO THE GRID TO ACCOMMODATE INSTALLATION  
10 OF THE FIXTURE TRIM.

11 **PART 128.1.6 CONDUCTOR IDENTIFICATION.**

12 CONDUCTORS SHALL BE COLOR IDENTIFIED IN ACCORDANCE WITH THE  
13 FOLLOWING REQUIREMENTS:

14 1. ELECTRICAL CONDUCTORS:

15 A. 120V/240V 1Ø BLACK, RED, (WHITE GROUNDED LEG)

16 B. 120V/208V 3Ø BLACK, RED, BLUE, (WHITE GROUNDED LEG)

17 C. 277V/480V 3Ø BROWN, ORANGE, YELLOW, (GRAY GROUNDED LEG)

18 D. 240V 3Ø CENTER LEG GROUND BLACK, BLUE, (WHITE GROUNDED  
19 LEG STRIPED RED)

20 E. 480V 3Ø CENTER LEG GROUND BROWN, YELLOW, (GRAY GROUNDED  
21 LEG STRIPED ORANGE).

22 **F. OVER 600 V 3 Ø (A) PURPLE, (B) ORANGE, (C) BLACK.**

- 1 2. RACEWAY PULL IN SYSTEMS. PHASE AND GROUNDED CONDUCTORS:
- 2 A. CONDUCTORS 8-GAUGE WIRE (AWG) OR SMALLER; THE ENTIRE
- 3 CONDUCTOR SHALL BE THE REQUIRED COLOR THE ENTIRE LENGTH.
- 4 B. CONDUCTORS LARGER THAN 8-GAUGE WIRE (AWG); SHALL BE THE
- 5 REQUIRED COLOR OR RE-IDENTIFIED AT ALL PANELBOARDS, CONTROL
- 6 CENTERS, TERMINATIONS AND JUNCTION POINTS.
- 7 3. CABLE SYSTEMS: CABLE CONDUCTORS SHALL BE PERMITTED TO BE RE-
- 8 IDENTIFIED THE REQUIRED COLOR AT ALL PANELBOARDS, CONTROL
- 9 CENTERS, EQUIPMENT, AND JUNCTION POINTS, EXCEPT THAT ALL 277/480
- 10 VOLT FEEDER AND BRANCH CIRCUIT CABLES OF 8 GAUGE WIRE (AWG) OR
- 11 SMALLER, SHALL BE THE REQUIRED COLOR THE ENTIRE LENGTH OF THE
- 12 CIRCUIT.
- 13 4. STRIPING AND RE-IDENTIFICATION. STRIPING AND RE-IDENTIFICATION WHEN
- 14 PERMITTED SHALL BE ACCOMPLISHED BY:
- 15 A. PERMANENT COLORING OR TAPING OF 2-INCH RINGS AT 5-INCH
- 16 INTERVALS; OR
- 17 B. A PERMANENT-COLORED STRIPE THE LENGTH OF THE WIRE.

18 **PART 128.2 ALUMINUM CONDUCTORS PROHIBITED 8 AWG AND SMALLER.**

19 ALUMINUM CONDUCTORS OF SIZES 8 (AWG) AND SMALLER AMERICAN WIRE

20 GAUGE ARE STRICTLY PROHIBITED FROM USE.

21 **EXCEPTION:** LISTED CABLES THAT UTILIZE A SMALLER ALUMINUM

22 **GROUNDING/BONDING CONDUCTOR MAY BE USED. THE CABLE SHALL BE**

1 LISTED BY A NATIONALLY RECOGNIZED TESTING AGENCY AND INSTALLED PER  
2 THE MANUFACTURER'S RECOMMENDATIONS IN FITTINGS LISTED FOR THE  
3 CABLE AND USE.

4 **PART 128.3 ALUMINUM CONDUCTORS PROHIBITED IN AIR CONDITIONERS,**  
5 **HEAT PUMPS AND ELECTRICAL HEAT.**

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

10 **PART 128.4 FOOTING GROUND REQUIRED.**

11 THE GROUNDING ELECTRODE FOR ALL NEW BUILDINGS SHALL BE CONCRETE  
12 ENCASED IN ACCORDANCE WITH THE NEC, AS AMENDED.

13 **PART 128.5 INSULATED SPLICING DEVICES.**

14 INSULATED SPLICING DEVICES DESIGNED TO BE USED WITHOUT A BOX SHALL  
15 BE ACCESSIBLE.

16 **PART 128.6 ELECTRICAL SIGNS.**

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

21 **PART 128.7 MULTI-OCCUPANCY ELECTRIC SERVICE.**

22 IN MULTI-OCCUPANCY BUILDINGS, SEPARATE SPACES SUPPLIED BY SEPARATE  
23 ELECTRIC SERVICE LATERALS OR DROPS MUST BE SEPARATED BY TWO-HOUR

1 RATED FIRE PARTITIONS THAT EXTEND TO THE UNDERSIDE OF THE FLOOR OR  
2 ROOF SHEATHING ABOVE OR TO THE BOTTOM OF A FIRE-RATED ASSEMBLY.  
3 THE FIRE PARTITION MAY BE OF ONE-HOUR RATED CONSTRUCTION IF ALL  
4 THE FOLLOWING CONDITIONS ARE MET:

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

11 **PART 128.8 SUPERVISION OF SOLAR PHOTOVOLTAIC INSTALLATIONS.**

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

16 **PART 128.8.1 INSTALLATION OF SOLAR PHOTOVOLTAIC SYSTEMS.**

17 NEW PHOTOVOLTAIC SYSTEMS, OR EXTENSIONS OF EXISTING SYSTEMS SHALL  
18 ALSO COMPLY WITH SECTION 11.12 PHOTOVOLTAIC SYSTEMS OF NFPA 1, FIRE  
19 CODE, 2024 EDITION; INCLUDING ADDING TO NFPA 1 SECTION 11.12.3.3.3 NEW  
20 SUBSECTION (4) CENTERLINE AXIS PATHWAYS SHALL BE PROVIDED IN BOTH  
21 AXIS OF THE ROOF AND SHALL RUN IN A STRAIGHT LINE.

22 **EXCEPTION:** DETACHED, NONHABITABLE GROUP U STRUCTURES INCLUDING,  
23 BUT NOT LIMITED TO, PARKING SHADE STRUCTURES, CARPORTS, SOLAR

1 TRELLISES AND SIMILAR STRUCTURES SHALL NOT BE SUBJECT TO THE  
2 REQUIREMENTS OF THIS PART.

3 **PART 128.9 SOLAR PHOTOVOLTAIC SUPPLY SIDE CONNECTION TO UTILITY.**

4 WHERE SOLAR PHOTOVOLTAIC SYSTEMS ARE CONNECTED TO THE UTILITY ON  
5 THE SUPPLY SIDE OF THE SERVICE DISCONNECT, THE REQUIREMENTS OF THE  
6 NEC AS AMENDED, ARTICLE 230 SHALL APPLY TO THE INSTALLATION.  
7 GROUNDING AND BONDING REQUIREMENTS OF THE NEC AS AMENDED,  
8 ARTICLE 250 FOR SERVICES SHALL APPLY. THE UNFUSED PHOTOVOLTAIC  
9 SUPPLY SIDE CONDUCTORS SHALL BE KEPT AS SHORT AS PRACTICABLE AND  
10 MUST BE IN A RACEWAY.

11 **PART 128.10 SOLAR EMERGENCY DISCONNECT MEANS.**

12 A SINGLE DISCONNECT SHALL BE PROVIDED ON THE EXTERIOR OF THE  
13 BUILDING IN A READILY ACCESIBLE LOCATION FOR EMERGENCY FIRST  
14 RESPONDERS AND SHALL BE LABELED AS SOLAR DISCONNECT.

15 **PART 128.10.1 RAPID SHUT-DOWN.**

16 SOLAR EMERGENCY DISCONNECT SHALL LIMIT THE HIGHEST VOLTAGE INSIDE  
17 EQUIPMENT OR BETWEEN ANY TWO CONDUCTORS OF A CIRCUIT OR ANY  
18 CONDUCTOR AND GROUND INSIDE ARRAY BOUNDARY INCLUDING UNDER  
19 PANELS, TO NOT MORE THAN 30 VOLTS WITHIN 30 SECONDS OF RAPID  
20 SHUTDOWN INITIATION.

21 **PART 128.11 SOLAR PHOTOVOLTAIC WIRING.**

22 NO PART OF THE PHOTOVOLTAIC WIRING OR GROUNDING SYSTEM IS PERMITTED  
23 TO OBSTRUCT THE NORMAL FLOW OF WATER OFF THE ROOF. THE FINAL WIRING



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

3 **PART 128.11.1 SOLAR PANEL CIRCUITS PERMITTED TO BE RUN INSIDE**  
4 **BUILDING.**

5 SOLAR PANEL CIRCUITS PERMITTED TO BE RUN INSIDE A BUILDING MUST BE  
6 INSTALLED IN A RACEWAY OR METAL JACKETED CABLE. THIS CIRCUIT MUST  
7 BE CLEARLY IDENTIFIED WHEREVER ACCESSIBLE.

8 **PART 128.12 GENERATORS.**

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

15 **PART 128.12.1 PROPERTY LINE SETBACK.**

16 ALL GENERATORS SHALL BE SO POSITIONED AS TO BE A MINIMUM OF 5 FEET  
17 FROM A PROPERTY LINE.

18 **PART 128.12.2 GENERATOR EXHAUST.**

19 ALL GENERATORS SHALL BE POSITIONED SO THAT THE EXHAUST POINT OF  
20 DISCHARGE IS AS FOLLOWS:

- 21 1. AT LEAST 5 FT IN ANY DIRECTION AWAY FROM ANY OPENINGS OR AIR  
22 INTAKES.
- 23 2. AT LEAST 5 FT AWAY FROM A BUILDING.

1 3. AT LEAST 5 FT AWAY FROM A PROPERTY LINE.

2 **PART 128.13 PORTABLE GENERATORS.**

3 THE FOLLOWING REQUIREMENTS GOVERN THE USE OF PORTABLE  
4 GENERATORS:

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

7 2. FUELING FROM A CONTAINER SHALL ONLY BE PERMITTED WHEN THE  
8 ENGINE IS SHUT DOWN AND ENGINE SURFACE TEMPERATURE IS BELOW THE  
9 AUTOIGNITION TEMPERATURE OF THE FUEL.

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

13 4. TEMPORARY WIRING METHODS MAY BE ACCEPTABLE ONLY IF APPROVED  
14 BASED ON THE CONDITIONS OF USE. EXCEPT AS MAY BE SPECIFICALLY  
15 MODIFIED IN THE LATEST EDITION OF NFPA 70, ALL OTHER REQUIREMENTS  
16 OF NFPA 70 FOR PERMANENT WIRING SHALL APPLY TO TEMPORARY WIRING  
17 INSTALLATIONS.

18 5. EXTENSION CORDS AND FLEXIBLE CORDS SHALL NOT BE AFFIXED TO  
19 STRUCTURES, EXTEND THROUGH WALLS, CEILINGS, OR FLOORS, OR UNDER  
20 DOORS OR FLOOR COVERINGS, OR BE SUBJECT TO ENVIRONMENTAL OR  
21 PHYSICAL DAMAGE AND, UNLESS SPECIFICALLY PERMITTED IN ARTICLE  
22 400.7 OF NFPA 70, FLEXIBLE CORDS AND CABLES SHALL NOT BE USED AS A  
23 SUBSTITUTE FOR THE FIXED WIRING OF A STRUCTURE.

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

5 **PART 128.13.1 AUTHORITY ORDER SHUT DOWN OF A PORTABLE GENERATOR.**

6 THE BUILDING OFFICIAL OR THEIR DESIGNEE SHALL HAVE THE AUTHORITY TO  
7 ORDER THE SHUT DOWN OF A PORTABLE GENERATOR.

8 **PART 128.14 AUTHORITY TO ORDER DISCONNECTION OF ENERGY SOURCES.**

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

13 **PART 128.15 ELECTRICAL RECEPTACLE REQUIRED FOR NEW OR**  
14 **REPLACEMENT DECK, BALCONY OR PORCH.**

15 WHEN THE CONSTRUCTION OF A DECK, BALCONY OR PORCH IN ANY  
16 EXISTING RESIDENTIAL OCCUPANCY REQUIRES ELECTRICAL MODIFICATIONS,  
17 ALTERATIONS, REPAIRS, OR INSTALLATION, AN OUTDOOR RECEPTACLE SHALL  
18 BE INSTALLED TO SERVE THE DECK, BALCONY OR PORCH IN ACCORDANCE WITH  
19 THE NEC AS AMENDED.

20 **PART 128.16 GROUNDED CONDUCTORS AT WALL SWITCH OUTLET**  
21 **LOCATIONS.**

22 A GROUNDED BRANCH CIRCUIT CONDUCTOR SHALL BE INSTALLED AT EACH  
23 WALL SWITCH OUTLET LOCATION IN ADDITION TO THE REQUIREMENTS SET

1 FOURTH IN ARTICLE 404.2 (C) OF CURRENT EDITION OF THE NEC.

2 **PART 128.17 POOL PERIMETER AREA BONDING REQUIREMENTS.**

3 **PART 128.17.1 PERIMETER SURFACES.**

4 POOL PERIMETER AREA BONDING REQUIREMENTS SHALL FOLLOW NEC/NFPA 70  
5 MOST RECENT EDITION EXCEPT THAT SECTION 680.26(B)(2) SHOULD READ AS  
6 FOLLOWS:

7 THE PERIMETER SURFACE TO BE BONDED SHALL BE CONSIDERED TO EXTEND  
8 FOR 900 MM (3 FT) HORIZONTALLY BEYOND THE INSIDE WALLS OF THE POOL.

9 THE PERIMETER SURFACE SHALL INCLUDE UNPAVED SURFACES, CONCRETE,  
10 AND OTHER TYPES OF PAVING. PERIMETER SURFACES SEPARATED FROM THE

11 POOL BY A PERMANENT WALL OR BUILDING 1.5 M (5 FT) IN HEIGHT OR MORE  
12 SHALL REQUIRE EQUIPOTENTIAL BONDING ONLY ON THE POOL SIDE OF THE

13 PERMANENT WALL OR BUILDING. BONDING TO PERIMETER SURFACES SHALL  
14 BE PROVIDED AS SPECIFIED IN 680.26(B)(2)(A), (B)(2)(B), (B)(2)(C), AND (B)(2)(D).

15 FOR CONDUCTIVE POOL SHELLS WHERE BONDING TO PERIMETER SURFACES IS  
16 REQUIRED, IT SHALL BE ATTACHED TO THE POOL REINFORCING STEEL OR

17 COPPER CONDUCTOR GRID AT A MINIMUM OF FOUR POINTS UNIFORMLY

18 SPACED AROUND THE PERIMETER OF THE POOL OR IF THE BONDED PERIMETER

19 SURFACE DOES NOT SURROUND THE ENTIRE POOL, IT SHALL BE ATTACHED TO

20 THE POOL REINFORCING STEEL OR COPPER CONDUCTOR GRID AT A MINIMUM OF  
21 FOUR UNIFORMLY SPACED POINTS ALONG THE BONDED PERIMETER SURFACE.

22 FOR NONCONDUCTIVE POOL SHELLS WHERE BONDING TO THE PERIMETER

23 SURFACES IS REQUIRED, BONDING AT FOUR POINTS SHALL NOT BE REQUIRED

1 AND THE PERIMETER BONDING SHALL BE ATTACHED TO THE 8 AWG COPPER  
2 EQUIPOTENTIAL BONDING CONDUCTOR AND, IF PRESENT, TO ANY CONDUCTIVE  
3 SUPPORT STRUCTURE FOR THE POOL.

4 **PART 128.17.2 UNPAVED PORTIONS OF PERIMETER SURFACES.**

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

9 A COPPER CONDUCTOR GRID CONSTRUCTED OF MINIMUM 8 AWG BARE SOLID  
10 COPPER CONDUCTORS BONDED TO EACH OTHER AT ALL POINTS OF CROSSING.  
11 THE COPPER CONDUCTOR GRID SHALL BE CONSTRUCTED IN ACCORDANCE WITH  
12 THE REQUIREMENTS OF NEC ARTICLE 680.26(B)(1) AND (3).

13 1. WELDED CONCRETE REINFORCING WIRE BONDED TOGETHER TO FORM A  
14 SINGLE GRID ENCOMPASSING THE SURFACE AREA DEFINED IN NEC ARTICLE  
15 680.26(B)(2).

16 2. UN-ENCAPSULATED STRUCTURAL REINFORCING STEEL BONDED TOGETHER  
17 BY STEEL TIE WIRES OR THE EQUIVALENT. THE STEEL GRID SHALL BE  
18 CONSTRUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF NEC ARTICLE  
19 680.26(B)(1) AND (3).

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

21 1. POURED CONCRETE.

22 A. ONE OR MORE OF THE METHODS DESCRIBED IN THIS SECTION SHALL  
23 BE ENCASED IN THE POURED CONCRETE.

1 2. NATURAL GRADE.

2 A. A COPPER CONDUCTOR GRID AS DESCRIBED IN THIS SECTION SHALL  
3 BE INSTALLED BENEATH THE FINAL GRADE.

4 3. PAVERS.

5 A. ON NATURAL GRADE (WITH OR WITHOUT A SUBSURFACE).

6 i. A COPPER CONDUCTOR GRID AS DESCRIBED IN THIS SECTION  
7 SHALL BE INSTALLED BENEATH THE FINAL GRADE.

8 B. ON POURED CONCRETE.

9 i. WHERE PAVERS ARE INSTALLED ON TOP OF POURED CONCRETE  
10 THE FINISHED SURFACE SHALL BE CONSIDERED TO BE A  
11 POURED CONCRETE SURFACE. ONE OR MORE OF THE METHODS  
12 DESCRIBED IN THIS SECTION SHALL BE ENCASED IN THE POURED  
13 CONCRETE.

14 **PART 128.18 WIRING METHODS FOR PIERS.**

15 WIRING INSTALLED ON OR UNDER A PIER SHALL BE INSTALLED IN A METHOD  
16 THAT PROVIDES PHYSICAL PROTECTION FROM PHYSICAL DAMAGE AND  
17 INUNDATION OF WATER. FEEDER AND BRANCH-CIRCUIT CONDUCTORS THAT  
18 ARE INSTALLED ON DOCKING FACILITIES SHALL BE PROVIDED WITH GFPE SET  
19 TO OPEN AT CURRENTS NOT EXCEEDING 100 MILLIAMPERES. COORDINATION  
20 WITH DOWNSTREAM GFPE SHALL BE PERMITTED AT THE FEEDER  
21 OVERCURRENT PROTECTIVE DEVICE.

22 **PART 128.19 RESIDENTIAL KNIFE BLADE DISCONNECTS.**

1 ALL NEWLY INSTALLED KNIFE BLADE TYPE DISCONNECTS SERVING A  
2 DWELLING SHALL BE PROVIDED WITH A LOCKOUT TAG AND WARNING LABEL,  
3 WARNING OF THE POTENTIAL FOR ELECTROCUTION.

4 **PART 128.20.**

5 **PART 129 NEW ONE- AND TWO-FAMILY DWELLINGS THAT HAVE EITHER A**  
6 **GARAGE, CARPORT OR DRIVEWAY.**

7 ALL NEW ONE- AND TWO-FAMILY DWELLINGS THAT HAVE EITHER A GARAGE,  
8 CARPORT OR DRIVEWAY SHALL BE PROVIDED WITH EITHER 1 OR 2 BELOW.

9 1. ADEQUATELY SIZED WIRING TO A 50 AMP CIRCUIT BOX WITH A BLANK  
10 COVER PLATE BACK TO THE ELECTRIC PANEL TO ACCOMMODATE A FUTURE  
11 LEVEL 2 OR HIGHER EV CHARGING STATION. CIRCUIT BREAKER AND  
12 CONNECTION TO THE ELECTRIC PANEL IS NOT REQUIRED. ELECTRIC SERVICE  
13 AND ELECTRIC PANEL SHALL BE SIZED FOR THE POTENTIAL EV CHARGING  
14 LOAD.

15 2. INSTALL A BOX WITH A BLANK PLATE WITH 1-1/4 INCH CONDUIT FROM THE  
16 GARAGE, CARPORT, OR DRIVEWAY WITH 6/2 WIRE BACK TO ELECTRICAL  
17 PANEL FOR FUTURE LEVEL 2 OR HIGHER EV CHARGING STATION. ACTUAL  
18 CONNECTION TO THE ELECTRIC PANEL WITH A CIRCUIT BREAKER IS NOT  
19 REQUIRED. ELECTRICAL SERVICE AND ELECTRICAL PANEL SHALL BE  
20 DESIGNED FOR THE POTENTIAL EV CHARGING LOAD.

21 **PART 129.1 R1, R2 AND R3 OCCUPANCIES WITH SHARED PARKING.**

22 ALL NEW R1 AND R2 OCCUPANCIES AS WELL AS R3 OCCUPANCIES WITH SHARED  
23 PARKING SHALL BE PROVIDED WITH AT LEAST ONE LEVEL 2 EV CHARGING

1 STATION FOR EVERY 25 RESIDENTIAL UNITS.

2 **PART 200. INTERNATIONAL BUILDING CODE.**

3 THIS PART SETS FORTH ADDITIONS TO, AMENDMENTS TO, AND DELETIONS  
4 FROM, THE INTERNATIONAL BUILDING CODE, 2021 EDITION, IN ACCORDANCE  
5 WITH THIS BILL, THE BUILDING CODE OF BALTIMORE COUNTY.

6 **PART 201**

7 THE FOLLOWING CHAPTERS AND SECTIONS ARE DELETED FROM THE  
8 INTERNATIONAL BUILDING CODE, 2021 EDITION: 101.1; 101.2; 101.4; 101.4.1; 101.4.2;  
9 101.4.3; 9 101.4.4; 101.4.5; 102.6; 103.1; 103.2; 105.2; 105.6; 107.1 109.2; 109.3; 109.6; 110.3;  
10 113.1; 113.3; 114.3; 116.3; 201.3; SECTION 202 DEFINITIONS HIGH-RISE BUILDING  
11 AND FOSTER CARE FACILITIES; 305.2; 305.1; 402.4.2; 402.4.2.1; 402.4.2.2.1; 402.4.3;  
12 402.4.3.1; 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;  
13 903.3.2; 905.3.1; 905.3.2; 905.3.3; 907.1.2; 907.2.13.2; 913.4; 918.1; EXCEPTION TO  
14 1005.3.1; EXCEPTION TO 1005.3.2; CHAPTER 11 ACCESSIBILITY; 1607.14.2; 1607.14.2.2;  
15 TABLE 1807.1.6.3(1); NOTE C; 1807.2, 1809.5 EXCEPTION 2; APPENDIX C-C102.2.

16 **PART 202**

17 THE FOLLOWING CHAPTERS AND SECTIONS, COLLECTIVELY REFERRED TO AS  
18 THE LOCAL AMENDMENTS TO THE INTERNATIONAL BUILDING CODE, 2021  
19 EDITION ARE ADDED.

20 **CHAPTER 2 DEFINITIONS.**

21 **SECTION 201 GENERAL.**

22 **SECTION 201.3 TERMS DEFINED IN OTHER CODES.**

23 WHERE TERMS ARE NOT DEFINED IN THIS CODE AND ARE DEFINED IN THE