

## COUNTY LOCAL LAWS

other unusual disturbances as may arise from time to time.

SECTION 2. AND BE IT FURTHER ENACTED, That this Ordinance shall take effect forty-five (45) days from the date it becomes law.

READ AND PASSED July 2, 1973.

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Bill No. 76-73

AN ORDINANCE to repeal Section 3-208(53) of the Anne Arundel County Code (1967 Edition and Supplements), Title 3, "Buildings", Subtitle 2, "Structural Requirements", and to enact new Section 3-208(53) in lieu thereof, to stand in the place of the section repealed, to establish new standards for grounding electrodes.

SECTION 1. BE IT ENACTED BY THE COUNTY COUNCIL OF ANNE ARUNDEL COUNTY, MARYLAND, That Section 3-208(53) of the Anne Arundel County Code (1967 Edition and Supplements), Title 3, "Buildings", Subtitle 2, "Structural Requirements", be, and it is hereby repealed, and that new Section 3-208(53) be, and it is hereby enacted in lieu thereof, to stand in the place of the Section repealed, and to read as follows:

Section 3-208

(53) IMMEDIATELY BELOW SUBSECTION 1502.2, INSERT THE FOLLOWING NEW SUBSECTION 1502.3:

"SUBSECTION 1502.3 - GROUNDING ELECTRODE: EXPANDING USE OF NON-METALLIC PIPING FOR WATER SYSTEMS AND INSULATING COUPLINGS ON METAL WATER SYSTEMS MAKES IT MORE IMPORTANT THAT THE WATER PIPING WITHIN A BUILDING BE ADEQUATELY GROUNDED WITHOUT DEPENDING ON CONNECTIONS TO AN OUTSIDE PIPING SYSTEM. IN ORDER TO PROVIDE ADEQUATE ELECTRICAL GROUND A CONCRETE ENCASED ELECTRODE SHALL BE PROVIDED. SAID ELECTRODE SHALL CONSIST A MINIMUM HORIZONTAL LENGTH OF TWENTY FEET (20') OF BARE COPPER CONDUCTOR, NOT SMALLER THAN NO. 4, ENCASED BY AT LEAST TWO INCHES (2") OF CONCRETE AND LOCATED WITHIN AND CENTERED NEAR THE BOTTOM OF A FOUNDATION FOOTING THAT IS IN DIRECT CONTACT WITH THE EARTH. THE ELECTRODE SHALL BE LOCATED NEAR THE EXPECTED LOCATION OF THE SERVICE PANEL AND SHALL BE EXTENDED TO PROVIDE A MINIMUM OF SIX INCHES (6") OF CONDUCTOR ABOVE THE FINISHED CONCRETE FLOOR. IF