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SECTION 511 RADIO AMPLIFICATION SYSTEM

511.1 General. Public safety radio amplification systems for the enhancement of emergency services communications within buildings shall be designed, installed and maintained in accordance with this section.

511.2 Where Required. Where adequate radio coverage cannot be established within a building, as defined by the fire code official, public safety radio amplification systems shall be installed in the following locations:

1. New buildings with a total building area greater than 50,000 square feet or building additions that cause the building to be greater than 50,000 square feet. For the purposes of this section, fire walls shall not be used to define separate buildings.
2. All new basements over 10,000 square feet where the design occupant load is greater than 50, regardless of the occupancy classification.
3. Existing buildings meeting the criteria of Item #1 or 2 of this Section undergoing alterations exceeding 50% of the aggregate area of the building.

Exception: One- and two-family dwellings and townhouses.

511.3 Design and installation standard. Public safety radio amplification systems shall be designed and installed in accordance with the criteria established by the fire code official based on the capabilities and communication features of emergency services.

511.4 Maintenance. Public safety radio amplification systems shall be maintained in an operative condition at all times and shall be replaced or repaired where defective.