



BROWARD COUNTY BOARD OF RULES AND APPEALS

COUNTY ADMINISTRATION
MAR 23 2016 10:32

To: Alphonso
Send to Managers
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One N University Drive
Suite 3500 B
Plantation, FL 33324

Phone: 954-765-4500
Fax: 954-765-4504

www.broward.org/codeappeals

March 23, 2016

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Electrical Engineer

Mr. Ron Burr
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Mr. John Sims,
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Consumer Advocate

Mr. Abbas H. Zackria, CSI
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Mr. William Flett,

Roofing Contractor

VACANT

Architect

Board Attorney

Charles M. Kramer, Esq.

Board Administrative Director

James DiPietro

Mrs. Bertha Henry, County Administrator
115 S. Andrews Ave. Room 409
Fort Lauderdale, FL 33301-1872

Dear Mrs. Henry,

In accordance with your request, you will find enclosed Florida Building Code Chapter One amendments in final adopted form as new Section 118, entitled "Two-way Radio Communication Enhanced Public Safety Signal Booster Systems" (copy attached). Please be advised that the advisory committee that recommended the amendment to the Board of Rules and Appeals is anticipated to meet again in approximately 6 months to monitor the effectiveness of this new law and to consider if additional changes are to be recommended.

Thank you for bringing this matter to our attention. Please advise if additional information is desired.

Sincerely,

James DiPietro
Administrative Director

Amended Effective: April 15, 2016

its duties, and shall maintain a record of all proceedings in the office of the Building Official, and shall make available for copying any and all portions of the record of the proceeding and may certify the same as a true copy and make a reasonable charge therefore.

116.13.3.16 The Building Official shall provide a regular meeting place for the Board.

116.13.4 Duties and Powers of the Board. The board shall have the following duties, functions, powers and responsibilities:

116.13.4.1 Hear and determine appeals from actions and decisions of the Building Official pursuant to the provisions thereof.

116.13.4.2 Hear and review the application of the Building Official for review of his action where his decision as indicated in a Notice of Violations has not been complied with.

116.13.4.3 Affirm, modify or reverse the decision of the Building Official upon appeal or on application for review.

116.13.4.4 The Board, through its Secretary, shall transmit the record with all exhibits, instruments, papers, and transcripts of its proceedings to the appointing authority in the event that authority shall consider the matter pursuant to applicable law in that regard made and provided.

116.13.4.5 Hear and determine appeals from actions and decisions of the enforcing agency pursuant to the provisions of the applicable Minimum Housing Code.

116.14 Duties of Legal Counsel. It shall be the duty of the attorney for the appointing authority, when so requested, to appear at all hearings before the Unsafe Structures Board and to represent and advise the Board.

116.15 Conflict of Interest. No Building Official, Board Member or employee charged with the enforcement of this law shall have any financial interest, directly or indirectly, in any repairs, corrections, construction or demolition which may be required, nor shall any Building Official, board member or employee give to anyone the location of any property or the names of owners thereof on which repairs, corrections or demolition have been ordered, except as otherwise directed hereinafter, until after the owners have been formally advised at which time such shall become a matter of public record.

Section 116.16 Alternative Board. As an alternative to use of its own Unsafe Structures Board, any municipality in Broward County may utilize by means of an applicable inter-local agreement, the Unsafe Structures Board of Broward County or that of another municipality located within Broward County.

SECTION 117 POWERS AND DUTIES OF THE FLOODPLAIN

ADMINISTRATOR; DELEGATION, ADMINISTRATION, ENFORCEMENT, AND VARIANCES.

117.1 Scope. In accordance with F.S. sec. 553.73, the appointing Authority of Broward County and the Municipalities may delegate the authority to enforce the floodplain provisions of the Florida Building Code to a Floodplain Administrator, the Building Official, or any other appropriate agency or combination thereof.

117.2 Intent. A Floodplain Administrator, the Building Official, or any other appropriate agency or combination thereof, as designated, is authorized and directed to administer and enforce the flood provisions of the FBC and any adopted flood hazard ordinances. The designated authority shall delegate such duties and assignments as may be deemed necessary to carry out provisions of the FBC and any adopted flood hazard ordinances, to render interpretations consistent with the intent and purpose of these codes and may establish policies and procedures in order to clarify the application of their provisions including the application of the variance procedures of any adopted flood hazard ordinances to the flood provisions of the FBC. The variance procedures herein shall not apply to section 3109 of the FBC, Building.

117.3 General. Where, in any specific case, different sections of the FBC or adopted flood hazard ordinances specify different materials, methods of construction or other requirements, the most restrictive shall govern.

SECTION 118 TWO-WAY RADIO COMMUNICATION ENHANCED PUBLIC SAFETY SIGNAL BOOSTER SYSTEMS

118.1 GENERAL:

118.1.1 The Two-Way Radio Communication Enhancement Public Safety Signal Booster System shall be installed as per NFPA 1-11.10, NFPA 70, and NFPA 72. Any such system installed on or after April 1 st, 2016 shall be adaptable for both 700/800 MHz p25 (association of public safety communication officials, project 25).

118.1.2 The Authority Having Jurisdiction (AHJ), in Broward County, for the Two-Way Radio Communication Enhancement Public Safety Signal Systems has two (2) permitting entities and multiple frequency licenses as follows:

- 1. The Installation and Wiring shall comply with the local municipality Building and Fire Departments permitting process and shall be approved by the local and county FCC Licensee prior to installation.**
- 2. The FCC Licensees are:
Broward County ORCAT
City of Coral Springs
City of Fort Lauderdale**

City of Hollywood
City of Plantation

118.1.3 The AHJ shall determine if a new building or existing building shall require that a two-way radio communication enhanced public safety signal booster system be installed to comply with NFPA 1-11.10.1. The Building owner shall install a public safety signal booster to meet this requirement if so directed.

118.1.4 DESIGN: For new buildings, a certificate of occupancy shall not be issued until the AHJ determines that the building is in compliance with NFPA 1-11.10.1. It is recommended that the local Development Review Committee (DRC) notify the new building owner, architect, and engineers of this requirement in writing before the building is designed. A design package, comprising block level diagrams, materials submittals, and coverage measurements and predictions are required. Sufficient and substantial engineering design and support information and data shall be submitted with the application. A sealed submittal from an Engineer, with training and experience in electrical engineering, shall also be required.

118.1.5 To the extent authorized by law, Distributed Antenna Systems Integrators with Public Safety and/or Communication installation and repair experience, as a sub-contractor in association with qualified electrical contractors, and Fire Alarm contractors, may install or repair Two – Way Radio Communication Enhancement Systems. Should the contractor of record fail to have radio communications installation and repair experience with Distributed Antenna Systems, the contractor of record shall sub-contract the installation or repair of non-fire alarm function to a qualified company, having knowledge of Radio communications installation and repair

118.2 PERMIT DOCUMENTATION:

118.2.1 The following documentation shall be required for permitting a “Two-Way Radio Communication Enhancement System”:

1. City and County FCC Licensee shall approve proposed installation of Two-Way Radio Communicated Enhanced Systems prior to installation in writing or by sealing documents submitted for review.

2. City and County written approval or sealed documents shall be provided to the local Fire Prevention Bureau office at the time of plan submittal and prior to plan review.

3. Plans shall comply with FBC 107, NFPA 1, 1.7, NFPA 70, and NFPA 72.

4. Sealed floor plans showing radio coverage for critical and general areas using industry standard radio frequency computer generated propagation modeling.

5. Schedule of signal strength as per NFPA 72 or as agreed to by the Fire Code Official in consultation with the FCC licensee in writing.

6. Schedule of the system radio frequencies or band of frequencies.

7. Notation that the system is upgradable for frequency band coverage changes including at a minimum both 700/800 MHz

8. Plans shall show that the BDA enclosure shall be painted red with 2” high contrasting letters. Include the following information:

- a) Fire Department Signal Booster
- b) Permit Number: _____
- c) Serviced by: Vendor name and telephone

118.3 SYSTEM NOTIFICATIONS:

118.3.1 The AHJ’s for the FCC licensee and Broward County Office of Regional Communications and Technology (ORCAT) shall be notified in writing of the following events by the permit holder, the system vendor, and/or the building owner. The AHJ for the FCC Licensee shall approve the date and time and may request that the AHJ shall be present during the following events:

1. Initial system testing, with date and time start and finish.
2. Periodic system testing, with date and time start and finish.
3. System placed in operation with date and time.

118.4.2 PRIOR TO THE INITIAL TESTING:

1. The vendor shall provide the system's settings prior to the initial system testing as accepted by the AHJ, FCC Licensee and ORCAT. The AHJ may ask for additional information prior to testing.

2. The system shall remain “off the air” until the initial testing with AHJ, FCC Licensee, ORCAT, and the Fire Code Official are ready to begin and provide their approval.

118.5 ANNUAL TEST

118.5.1 In addition to the annual fire alarm test, an annual test and report, in compliance with NFPA 72 Chapter 14, shall be completed by a qualified company having the knowledge of RF installation with training and experience of two – way radio communication enhanced radio systems to insure that the original installed system is still in compliance.

118.5.2 ANNUAL TEST REPORT:

Amended Effective: April 15, 2016

The annual test report shall be maintained with the fire alarm log book and copies shall be submitted to the local AHJ and to City and ORCAT for review. All problems found, with any corrective action(s), shall be noted in the test report, along with the name and license number of the Fire Alarm Contractor and sub-contractor Inspection Company.

118.6. SYSTEM MONITORING AND MAINTENANCE:

1. Any Public Safety Signal Booster system installed in a premise shall be tied into a fire alarm system for monitoring.
2. In case of failure, the building owner shall be notified within two (2) hours and he/she shall cause to occur an inspection of the system. If a trouble condition is found the system shall be repaired within 48 hours of notification. If such repair proves to be longer in time or impossible to perform, a notification to the Fire Marshal shall be made indicating the failure of the system, so that in case of emergency the system shall not be relied upon by the First Responders.

Any system installed shall have a service level agreement with a responsible company. Once the system is repaired the service company shall notify both the building owner and the fire marshal.