



CRRD-TA19.002	Technical Advisory	May 29, 2019
Emergency Responder Radio Coverage (ERRC) 2012 IFC, Section 510		Minimum Backbone System

APPLICABILITY:

The purpose of this Technical Advisory is to provide technical specifications for the acceptable minimal installation of a ERRC backbone installation. The backbone installation is part of the ERRC deferral process and shall be documented in the initial plan package.

RESPONSIBILITY:

The building owner, design team or the general contractor for the new building shall select one of the following options and document it in the initial plan submittal package:

1. Install the emergency responder radio coverage system during construction per applicable codes and standards.
2. Install the backbone for future ERRC system installation during construction.
3. Upon completion of the building envelope, conduct the RF survey test. If the test fails, the backbone shall be installed prior to Fire C of O.

BACKBONE SPECIFICATIONS

The back bone shall consist of:

1. One 4-inch continuous metal conduit from roof to the lowest level of the building within a 2-hour rated enclosure.
2. Installation of a 2-foot x 2-foot x1-foot in depth electrical junction box connected at each floor within the 2-hour rated enclosure.
3. The rooftop electrical junction box shall be suitable for outdoor use.
4. All electrical junction boxes shall be painted red and labeled, in white, Emergency Responder Radio.
5. The 4-inch conduit shall be painted red.

APPLICABLE CODEES AND STANDARDS

The following national codes and standards apply for design, installation, testing and maintenance of emergency responder radio coverage systems:

1. 2012 IFC
2. 2016 NFPA 1211
3. 2016 NFPA 70
4. 2016 NFPA 72