



**Emergency Communications System(s) (Radio)**

Project Name:  
 Address: Bldg/Suite #:  
 City: Zip Code:  
 Contractor: Phone:  
 Email:

**GENERAL BUILDING INFORMATION:**

Area of Building: # of Stories:  
 Occupancy Type:  
 System Type: BDA- Y N DAS- Y N Radiating Cable- Y N  
 # of DBA's: # of DAS antennas:  
 Location of Head End:  
 Heading Angle: BDA Class:  
 Donor Antenna Location:

Gwinnett Fire Plan Review

✓⇒Pass, X⇒Fail, NA⇒Not Applicable

Status:

**Drawing Submittal Requirements**

- |  |  |
|--|--|
| 1) Provide a copy of the installing contractor's FCC General Radio license and Georgia Low-Voltage license card.   |  |
| 2) Plans shall be drawn to-scale with legible room names, and on a minimum 24" x 32" paper size.   |  |
| 3) Plans shall include a wiring diagram including the cabling type.  |  |
| 4) Plans shall include an information sheet with the building specifications and the system operational description.   |  |
| 5) Provide the manufacturers' spec sheets for all system devices.  |  |
| 6) Plans shall include a vicinity map which shows the nearest Gwinnett County system towers and building longitude and latitude.                                       |  |
| 7) Plans shall include details of the supervision of the system by the FACP and the Central Station. Malfunctions of the system shall report supervisory signals.      |  |
| 8) Plans shall show a grid pattern for each level, not less than 20 grids per floor. Floors greater than 32,000 square feet shall utilize a maximum 40 x 40 foot grid. |  |
| 9) Floor plans for each level, including the basement, shall show the anticipated signal levels as color gradients inside of each grid.                                |  |
| 10) Plans shall indicate the location of all system components.  |  |
| 11) Plans shall identify critical areas as identified in 2019 NFPA 1221 9.6.7.3, and these areas shall have 99% coverage.  |  |
| 12) The system shall be capable of transmitting all Gwinnett 700/800 MHz frequencies and modulation technologies   |  |
| 13) All system components shall be contained in NEMA4- or NEMA4X-type enclosure(s). Batteries that require venting shall be stored in NEMA3R-type enclosures.          |  |
| 14) An independent power supply shall be provided. The power supply shall be capable of supporting the system at 100% operation capacity for a minimum of 12 hours.    |  |
| 15) A dedicated annunciator shall be provided in the fire command center.  |  |
| 16) Provide a separate document box for all of the system information as required by 2019 NFPA 1221 9.6.14.3.  |  |
| 17) All cables shall be documented to be rated for their respective use, plenum, riser, etc.   |  |
| 18) All BDA equipment shall be Class A.  |  |

Additional comments may be applicable depending on the usage of the space and the system's design.