

Lubbock Fire Marshal's Office
1601 Mac Davis Lane
Lubbock, Texas 79401
806-775-2646 • Fax 806-775-3508
fireprevention@mylubbock.us



EMERGENCY RESPONDERS RADIO COVERAGE SYSTEM (ERRCS) SUBMITTAL REQUIREMENTS

Design frequencies (City of Lubbock):

- Our Transmit frequencies are from 854.9875 MHz to 859.9875 MHz and our Receive Frequencies are from 809.9875 MHz to 814.9875 MHz.
- In the event our P-25 system were down, we would utilize our Mutual Aid channels consisting of Transmit Frequencies 851.0125 MHz to 853.0125 MHz and Receive Frequencies 806.0125 MHz to 808.0125 MHz.
- You can get all city of Lubbock radio frequency information by accessing them through RadioReference.com at the following web site <https://www.radioreference.com/apps/db/?sid=7767>
- You may also contact the city of Lubbock Radio Shop at 806-775-2326 for more technical assistance.

FCC disclosure:

- All FCC guidelines must be followed. Specifically 47 CFR 90.219(d)(5) (**Use of Signal Boosters**) - Class B signal booster installations must be registered in the FCC signal booster database that can be accessed at the following URL: www.fcc.gov/signal-boosters/registration

Minimum information to be included in the submittal package (3 copies of drawings submitted):

1. A copy of any RF site survey done to determine RF coverage within the projects structure.
2. Predicted RF coverage plots or calculated signal levels within the structure.
3. A listing of any excluded areas of the project and why they were excluded.
4. Site plan with equipment and antenna(s) locations noted.
5. Floor plans that show antenna runs, equipment locations and installation details and include but not limited to the following:
 - 5.1. Power and Panel locations.
 - 5.2. Raceway routing.
 - 5.3. Conduit and conductor size.
 - 5.4. Location of In Building Antennae.
 - 5.5. Band Width.

6. Riser Diagram: provide the following:
 - 6.1. Single-line diagram (riser diagram) that shows the interconnection of equipment of the whole system.
 - 6.2. Type and size of wire and conductor to be used.
 - 6.3. Schematic drawing of electrical system and backup power.
7. Manufacturer's data sheets or detailed specifications on all hardware items proposed.
8. Methodology of failure alarm supervision for the DAS system.
9. Information regarding annual preventive maintenance and any service plan for the system.
10. Roof plan with antenna location and mounting details (sleds not allowed).
11. Elevation floor plan that shows the location of new equipment, installation detail, new electrical circuit(s) with the location of the panel board.
12. Floor plans that show the location and type of vertical risers to the roof.
13. Where conduits or sleeves penetrate fire rated walls or floor/ceiling assemblies, provide data sheets of proposed fire stop systems.
14. The submittal must show compliance with the following:
 - 14.1. Section 510.4 of IFC (2015 Ed.) Technical Requirements.
 - 14.2. Section 510.5 of IFC (2015 Ed.) Installation Requirements (especially designer qualification and Section 510.3 Permit Required).
 - 14.3. NFPA 72 (2013 Ed.) Chapter 24 (Emergency Communication system).
 - 14.4. Section 510.6 of IFC (2015 Ed.) Maintenance, (especially testing and proof of compliance).
 - 14.5. NFPA 1221 (2013 Ed.) Standard for installation, maintenance and use of Emergencies Services Communication Systems.
 - 14.6. UL 2524 (Standard for in-building 2-way Emergency Radio Communication Enhancement system).
 - 14.7. NFPA 70 (National Electrical Code).
 - 14.8. FCC requirements.
15. A "PLANS REVIEW SUBMITTAL REQUEST" form, included at the end of this document, must accompany all plans. This form is self-explanatory and must include the **actual numbered street address** (building permit address) for the site upon which the system will be installed. A fee of \$100.00 must be included.

Please contact the Lubbock Fire Marshal's Office with any questions:

Dina Pedroza Fire Protection Associate dpedroza@mylubbock.us 806-775-3454	Lt. Terry Davis Assistant Fire Marshal twdavis@mylubbock.us 806-775-3601
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PLANS REVIEW REQUEST

PLEASE PRINT

Submittal

Re-submittal

Date: _____

Contractor Name: _____

Contact Person: _____

Telephone No.: _____

Email Address: _____

Facility Name: _____

Facility Legal Address: _____

Type of Plan: Fire Alarm System (See Below) Fire Sprinkler System (See Below) Flow Test (\$120)
 Clean Agent System (See Below) Fire Sprinkler Underground (\$100)
 Kitchen Hood Suppression System (See Below) Emergency Responders Radio Coverage System (\$100)
 Other: _____

Paid by: **Check** (Payable to City of Lubbock) **Cash** **Credit/Debit**

Plan Submittal:

\$0.01 per Square Foot of system coverage (\$100 minimum): _____ SQFT x 0.01= \$ _____

Plan Re-submittal:

\$0.015 per Square Foot of system coverage (\$100 minimum): _____ SQFT x 0.015= \$ _____

OFFICE USE ONLY

Date Reviewed: _____

Reviewed By: _____

Person Notified: _____

Date: _____

Contractor or Representative: _____

Date: _____

(To be signed at the time plans are picked up)