This Checklist outlines general requirements. Information contained herein applies to typical instances and may not address all circumstances.

**CODE REFERENCES**

2010 California Fire Code (CFC) Chapter 5 - 18.44.510

**PERMITS REQUIRED**

A Public Safety Communication System Installation permit

**FILE REVIEW**

<table>
<thead>
<tr>
<th>Y</th>
<th>N</th>
<th>Permit fees entered in Permits Plus. 3rd or greater checks require an hourly fee for the review.</th>
</tr>
</thead>
<tbody>
<tr>
<td>☐</td>
<td>☐</td>
<td>Three (3) sets of scaled plans and specifications</td>
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<tr>
<td>☐</td>
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<td>Contractor shall provide, or have on file, a current Contractor’s License.</td>
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<tr>
<td>☐</td>
<td>☐</td>
<td>Worker's Compensation Insurance certificate.</td>
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<tr>
<td>☐</td>
<td>☐</td>
<td>Current Santa Rosa Business Tax Certificate.</td>
</tr>
<tr>
<td>☐</td>
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<td>Name and address of project</td>
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<tr>
<td>☐</td>
<td>☐</td>
<td>Contractor's name, address, and telephone number.</td>
</tr>
</tbody>
</table>

**SYSTEM NEEDED**

**REQUIRED INSPECTIONS**

8. ☐ ☐ Location of the building or development and signal in the area (non or weak signal).
9. ☐ ☐ Description of system
10. ☐ ☐ Specifications
11. □ □ Active or Passive system (amplified or non-amplified)

12. □ □ Radio engineers have classified building by how much radio signal loss, in decibels, the building creates when you try and talk into it from the outside.

13. □ □ Details on system security. Due to location, should the system be monitored 24/7 or routine inspection be performed.

**SIGNAL REQUIREMENTS**

14. □ □ Documentation that system will achieve average in-building field strength of -95 dBm throughout 90% of the area of each floor of the building. If outside strength is lesser than inside shall be equal to outside strength (elevator coverage exempt).

15. □ □ Documentation that average signal strength of -100 dBm is measured at the nearest police/fire receiver site. For REDCOM it would be (Mt Jackson) and Santa Rosa (Control 3) is at Bethlehem Tower. Voting is used.

**DESIGN**

**ACTIVE SYSTEM**

16. □ □ Installation performed by FCC certified technician and all components are FCC Certified.

17. □ □ System is designed to operate on VHF (151-159), UHF public safety (450-490 bands), 700 (future), 800 MHz bands, and Cellular/GSM/PCS frequencies.

18. □ □ Filters to reject frequencies outside those used for emergency communications.

19. □ □ Method of transmission throughout building ("leaking coax" or fiber optics). Penetrations through rated walls will need to be sealed.

20. □ □ Emergency power. Active radio systems must have 12 hrs of emergency power supply via generator or battery backup. Generators must be approved and have a permit. Battery shall charge when in the presence of external power. Equipment room to be labeled as “Radio Equipment Room”.

21. □ □ No interconnection to Fire Alarm system unless using Fire Alarm to monitor Radio Communication status through a “Supervisory” Circuit.

22. □ □ Where booster equipment is stored in an area prone to water or chemicals it needs to be in a watertight case conforming to NEMA-4 standards.

23. □ □ Power supply. Circuit breakers locked to prevent accidental shut-off.

**PASSIVE SYSTEM**

24. □ □ Penetrations through rated walls will need to be sealed.

25. □ □ System is designed to operate on VHF (151-159)