



BROCHURE # 62

FIRE ALARM SYSTEMS

FIRE ALARM INSTALLATION

It is the responsibility of the designer/installer of record to assure all applicable code requirements are satisfied. The current adopted edition (2015) of the International Fire Code and the International Building Code, with local and state amendments, together with the 2013 edition of NFPA 72 – The National Fire Alarm Code shall be the primary, but not all inclusive, resource documents for code requirements, design and installation standards. Additional requirements applicable to a specific jurisdiction may also apply.

SITE REQUIREMENTS

- The approved set of plans, including comments and conditions of approval issued by the AHJ shall be available on-site while work is being accomplished.
- The permit shall be posted and other permitting information shall be retained on site.

AS BUILT AND INSTALLATION MODIFICATIONS

Modification to approved plans or calculations shall be reflected in an “As Built” drawing. Modifications that result in a variance of 10% to any approved calculation shall be submitted to the AHJ as a revision requiring approval prior to any system acceptance testing or permit approval. “As built” point map drawings and calculations shall be provided to the AHJ inspector prior to acceptance testing.

INSPECTION AND APPROVAL REQUIREMENTS

Contact the appropriate AHJ to request an inspection at least two work days prior to the desired inspection date.



ACCEPTANCE TESTING

- A functionality and acceptance test shall be witnessed by the AHJ. The installer shall provide all necessary test equipment including volt / ohm and decibel meters.
- No partial inspections or acceptance testing will be conducted prior to the completion of the installation without additional inspection fees being paid.
- Detection devices shall either be protected or shall not be installed until all trade work has been completed. (Example: painting, clean-up, carpet cleaning, etc.).
- No testing will occur until system monitoring is operational and all devices and communicators have been field tested, proven to be operational and are functioning correctly.
- The required Labor and Industry electrical inspection shall be completed with the inspection sticker or permit card signed prior to acceptance testing.
- A “Record of Completion” shall be delivered to the AHJ prior to inspection.
- A “System Record of Inspection and Testing shall be delivered to the AHJ prior to inspection.
- All initiating or input devices shall have legible addressing labels affixed to device.
- Re-inspection fees may be assessed where work for which an inspection has been requested is not complete or where such work fails to meet operational expectations. Assessment of re-inspection fees shall be at the discretion of the individual AHJ per code or policy and such fees shall be paid prior to subsequent inspections being performed or approvals granted. Prior to inspection primary power shall be disconnected and secondary (Standby) power operational for 24 hours to verify ability of batteries to meet standby power requirement. The system on standby power shall be operated for minimum of 5 minutes/15 minutes for emergency voice communication system once inspector arrives.