

Serving the Cities of Kent, Covington and King County Fire District 37

Fire Detection & Alarm Systems

Please print in Black ink only

Scope

This checklist to the installation of automatic and manual fire detection and reporting systems.

Minimum Requirements for Construction Drawings

Plans which do not contain the minimum information required will not be accepted for plan check. Plans shall be of sufficient clarity to indicate the location, nature and extent of the work proposed and show that it will conform to the provisions of the adopted International Codes and ordinances.

- Three (3) copies of plans (24" x 36", or 30" x 42") must be submitted for review.
- Copies shall **all** be the same size.
- Working Drawings -scale to 1/8" = 1'.
- Shall be drawn in indelible ink.
- Sheets that are cut and pasted, taped, or that have been altered by any means (pen, pencil, marking pen, etc.) **will not** be accepted for plan check.
- Site Plans – scale to 1" = 20' or 1" = 40'
- Washington State law requires that any registered professional who prepares or supervises the preparation of drawings and construction documents stamp and sign such documents.

Project Name

General

- | Yes | No | |
|--------------------------|--------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> | Owner's name, address, and telephone number. |
| <input type="checkbox"/> | <input type="checkbox"/> | Occupant's name, address and telephone number, if different from owner. |
| <input type="checkbox"/> | <input type="checkbox"/> | Contractor/Professional contact name, address, telephone, fax numbers and Washington State Contractor's Electrical license number. |

Documentation One Set

- | Yes | No | |
|--------------------------|--------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | Manufacturer's literature (cut sheets) of fire alarm system components. |
| <input type="checkbox"/> | <input type="checkbox"/> | Make, model, type, number and voltage of storage batteries used for secondary power and the battery discharge calculations. |
| <input type="checkbox"/> | <input type="checkbox"/> | Voltage drop calculations in conductors of multiplexing systems. |

Working Drawings Floor Plans

- | Yes | No | |
|--------------------------|--------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | Compass direction and clearly marked scale. |

Working Drawings Floor Plans (cont.)

- Ceiling construction and reflected ceiling plan.
- Full-height cross section.
- Location of area and/or occupancy separation walls, partitions and stairway enclosures.
- Occupancy of each room or area.
- Location and size of concealed spaces and closets or any questionable small enclosures in which no automatic detection is to be installed.
- Where applicable, scaled cross-section representation of detector mounting locations or door closer service.
- The means of protecting alarm detection or signaling circuits from physical damage and/or overcurrent.

System Information

- Legend showing all symbols, device descriptions, size and type of outlet box and mounting heights.
- Make, model, type and location of all fire alarm control panels.
- Make model, type and location of all fire alarm annunciator panels.
- Make model, type and location of all automatic detection or signaling devices.
- Make, model, type and location of all manual initiation devices.
- Make, model, type, location of and candela/decibel rating for all audible and/or visual alarm devices.
- Make, model, type and location of fire department command centers.

- Make, model, type and location of all door closures, smoke dampers, HVAC shut-down devices, elevator recall devices, fire protection systems monitoring devices or similar devices or equipment that affect buildings of fire protection equipment services.
- Make, model, type and location of all off-premises reporting devices.
- Where applicable, the various zone designations and the areas they serve.

Note:

- Maximum number of detection devices allowed on two-wire circuits.
- Maximum number of detection devices allowed on four-wire circuits.
- Location of sprinkler system waterflow and tamper supervision, if applicable.
- Location of range hood fire suppression systems discharge contacts, if applicable.

- The source of primary power and its wiring riser diagram.
- The source of secondary power.
- The signal initiating circuits and wiring diagram, including calculations of all signal circuits for loads, wire size and length.
- Location of end-of-line resistors.
- For digital alarm communication transmitters, the configuration of the two separate transmission lines.

**Please read the information below and sign
before submitting your application**

Your application shall be deemed complete only if this checklist is completed and submitted along with the submittal package. Submittals not accompanied by a checklist will not be accepted. Accuracy of the submittal package, including this checklist, is the responsibility of the applicant. Failure to submit an accurate submittal package will be considered an incomplete application by the Plan Reviewer. An incomplete submittal will result in a HOLD. A Resubmittal (new submittal package) will be required and always results in a delay.

I have checked the applicable boxes and have included those requirements in my submittal.

Print Name

Signature