

MOUNTAIN VIEW FIRE AND RESCUE CITY OF BLACK DIAMOND FIRE

FIRE ALARM SUBMITTAL INFORMATION

To insure proper plans review and a fast turn around time on plans for fire alarm systems the following information needs to be included with plan submittals.

1. Three (3) sets of fire alarm drawings which meet NFPA 72 section 4.5 and appendix A-4.5.1.1 and IFC current edition Section 907.1.1 requirements.
Drawings are to be drawn on sheets of uniform size and must include:
 - a. Name of owner and occupant
 - b. Location, including street address
 - c. Device legend
 - d. Date
 - e. Floor identification
 - f. Point of Compass and graphic scale
 - g. All walls, doors, partitions (that extend to within 18 inches of the ceiling)
 - h. Room descriptions
 - i. Fire alarm device/component locations (I.E. pull station, detector, horn, Etc.)
 - j. Location of the fire alarm primary power connection
 - k. Riser Locations, number of risers, type and number of circuits in each riser
 - l. Type and number of fire alarm system devices/components on each circuit, on each floor or level.
 - m. Conductor type and sizes
 - n. Drawings are to include control panel wiring diagrams.
 - o. Remote annunciation devices and their location
 - p. Interfaces with other life safety equipment such as automatic door closure, HVAC controls, dampers Etc.
2. Construction documents to be submitted along with the fire alarm drawing must include:
 - a. Battery calculations
 - b. Voltage drop calculations
 - c. Manufactures, model numbers and listing information for equipment, devices, and materials. This should include specifications that provide voltage required for operation and any UL listing information required to determine it's appropriate usage.
3. Drawings must be developed by qualified individuals meeting NFPA 72 and Washington State requirements for experience and education in the field.

With properly submitted fire alarm construction documents plan review goals are to have the plans reviewed and returned to the submitter within 2 weeks. In some cases do to alarm system complexity, questions that come up during review, or work load it may take somewhat longer.

If you have any questions regarding the requirements for the fire alarm system, please feel free to contact the Fire Marshal at Mountain View Fire & Rescue.

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