

# **Bellevue Fire Department**

## **Fire Alarm Installation Requirements**

**It is the responsibility of the designer/installer to ensure that all code requirements are met using the current adopted editions. The City of Bellevue has adopted the following editions: 2018 International Fire Code (IFC), 2018 International Building codes (IBC) and the National Fire Protection Association (NFPA). These standards shall be the primary, but not all-exclusive resource documents.**

**In order to install or change any fire alarm system within Bellevue City Limits, the installing contractor shall obtain a Fire Alarm Permit from the Bellevue City Fire Department.**

**IFC 907.1.1 Construction documents for any fire alarm systems shall be submitted for review and approval prior to system installation. Construction documents shall include, but not be limited to, all the following.**

- 1. There shall be 2 complete sets of drawings submitted. One shall remain on file at the Fire Department and one shall be returned to the contractor with an approved stamp and /or change. (All drawings shall be scaled to a minimum  $1/8 = 1$  foot.) (Symbols utilized shall be indicated in a complete legend)**
- 2. A floor plan which indicates the use of all rooms.**
- 3. Location of alarm initiating and notification appliances.**
- 4. Alarm control and trouble signaling equipment.**
- 5. Annunciation. (All ambient sound levels shall exceed min. requirements specified in NFPA 72 by 15 decibels, or 5 above, but not to exceed 120 decibels in any occupied areas.)**
- 6. Power connection.**
- 7. Battery Calculations.**
- 8. Conductor type and size.**
- 9. Voltage drop calculations.**
- 10. Manufacturers, model numbers and listing information for equipment, devices and materials**
- 11. Details of ceiling height and construction.**
- 12. The interface of fire safety control functions.**

### **Changes to documentation:**

**All deviations from the adopted Codes, Standards and/or Amendments requested shall be submitted in writing and include the following information:**

- The proposed change
- Written technical documentation justifying the proposed change

### **Dispatch Information:**

**A written copy of dispatch information shall be provided with the following information:**

- Property name, address and building/unit number
- Emergency contact numbers
- All emergency contact numbers for alarm notification shall be made through the Blaine County Dispatch Center at (208) 788-5555

### **Inspection Requirements:**

- **Rough in:** This shall include the inspection of all device boxes and wiring in the walls and ceilings prior to covering. (E.g. pull stations, horn, strobe, ect.)
- **Final acceptance test:** This shall include the testing of all devices installed after construction has been finalized. There shall be a minimum of 48 hrs. Advanced notice provided for this inspection.

### **Permit & Additional Fees:**

#### **10% of the Building Permit Fee:**

**This fee shall include plan review of a NFPA required alarm systems  
1 (one) rough-in inspection  
1 (one) final inspection**

#### **10% of the Building Permit Fee:**

**This shall include plan review of all Non-required alarm systems, including Inspections as per above.**

**\$ 50/hr.**

**This fee will be charged for any additional inspections. This fee will be based on a 1-hour minimum for any additional time increments.**

**It is suggested that any fire alarm system that also requires the State Fire Marshal's approval in addition to Bellevue Fire, should be submitted concurrently for quicker approval.**