



**CITY OF CALDWELL**  
 Department of Building Safety  
 205 S. 6th Ave.  
 Caldwell, ID 83605  
 Ph: 208-455-3024  
 Alan Perry, Fire Marshal -208-455-4703  
 Website \* www.cityofcaldwell.org

***FIRE ALARM***  
***PLAN REVIEW FORM***  
*This form serves as a permit for the proposed work.*  
***COUNTY***

FCP# \_\_\_\_\_

**PROJECT INFORMATION**

Name of Project: \_\_\_\_\_ Building Permit No. \_\_\_\_\_  
 Project Address: \_\_\_\_\_

Fire Alarm Contractor Co: \_\_\_\_\_ Phone: \_\_\_\_\_  
 Address: \_\_\_\_\_ Idaho License No. \_\_\_\_\_  
**Contact Person:** \_\_\_\_\_ **Phone:** \_\_\_\_\_  
 Fax: \_\_\_\_\_ Email: \_\_\_\_\_ NICET#: \_\_\_\_\_

Fire Alarm Designer: \_\_\_\_\_ Phone: \_\_\_\_\_  
 Address: \_\_\_\_\_ Idaho License No. \_\_\_\_\_  
**Contact Person:** \_\_\_\_\_ **Phone:** \_\_\_\_\_  
 Fax: \_\_\_\_\_ Email: \_\_\_\_\_ NICET#: \_\_\_\_\_

**Type of System**

- New construction with new NFPA 72 system
- Existing construction with new NFPA 72 system
  - New construction with new monitoring only
  - Existing construction with new monitoring only
  - Replacement of existing system (explain under "scope of work")
  - Modification to existing system (explain under "scope of work")
  - Scope of Work**

Describe in detail work being performed.  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Applicant and Owners Representative: \_\_\_\_\_  
 Date: \_\_\_\_\_

**Fees:** *Permit fee of \$143.00 applies to full NFPA 72 system.*

No. of Devices	_____	X \$4.50 each
	=	_____
Permit fee:	+	\$143.00
<b>Total:</b>	\$	_____
<b>All Others:</b>		\$350.00 Flat Rate

**Total:** \$ \_\_\_\_\_

**OFFICIAL USE**

- 2 Sets of Plans       2 Sets of Calculations       CD/PDF

Approved by: \_\_\_\_\_ Approval Date: \_\_\_\_\_

Amount Paid: \$ \_\_\_\_\_ Check #: \_\_\_\_\_ M.O.      Cash

Received by: \_\_\_\_\_



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## **COUNTY FIRE ALARM REVIEW CHECKLIST**

### **Fire Alarm System**

**Contact Information:** Alan Perry—208-455-4703

Please complete the following checklist as part of the submittal requirements for fire alarm systems. This checklist is not intended to be a complete list of all code requirements nor is it to relieve any person(s) from code compliance.

### **Occupancy Groups**

Define the occupancy groups of the building. *(This can be verified through the design professional, if applicable)*

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### **Alarm System Coverage** (Check all sections that are applicable to the new, or existing system design)

- Manual fire alarm system (IFC Chapter 9, NFPA 72)
- Complete automatic detection (NFPA 72)
- Non-required automatic detection (NFPA 72)
- Partial automatic detection (NFPA 72)
- Audible/visual annunciation (NFPA 72)
- Sprinkler monitoring (IFC Chapter 9, NFPA 72)
- HVAC smoke detector monitoring (IMC Chapter 6, IFC Chapter 9, NFPA 72)
- Smoke damper detectors (IBC Chapter 7, IFC Chapter 9, NFPA 72)
- Smoke rated fire doors (IBC Chapter 7, IFC Chapter 9, NFPA 72)
- High Rise Building (IFC Chapter 9, NFPA 72)
- Elevators (IFC Chapter 6, NFPA 72)
- Type I cooking hood extinguishing system monitoring (IMC Chapter 5, NFPA 72)
- Special extinguishing system releasing panel (NFPA 72)
- Offsite alarm supervision (NFPA 72)

### **Required Documents**

- Fire alarm review form
- Four sets of fire alarm plans stamped by registered Architect or Engineer (1/8" scale min.)
- Site plan
- Battery and voltage drop calculations
- Manufacturers data sheets, model numbers and cut sheets for equipment and devices.

### **Fire Alarm Plans**

- Site plan (Include project area, entrances, adjacent buildings, north indicator, streets)
- Plan sheets shall include name and address of project
- Floor plans shall include walls, doors, and identify use of areas
- Details of ceiling heights and construction when applicable to smoke detectors and ceiling strobes
- Include source and location of emergency stand by generators
- Location of all initiating and annunciating devices
- Distinguish new from existing fire alarm equipment
- Circuit zone numbers, and/or individual devices in the project area

## Fire Alarm Plans Cont.

- Strobe candela ratings
- Location of all control and booster panels, and remote annunciators
- Location of all sprinkler risers, waterflow switches, control valves, fire pumps and controllers
- Location of all cooking hood extinguishing systems, and other special extinguishing systems
- Smoke damper locations
- Air handlers requiring duct detectors
- Location of smoke doors on hold open devices or door closing devices
- Ancillary devices, fuel and power shut offs, release of exit door latching hardware, release of door hold open devices, elevator shunt strip and recall
- Location of remote indicator devices
- Device addresses on addressable system
- Typical device wiring connections
- Fire alarm riser diagram

## Riser Diagram

- All control panels and any proposed additions or modifications
- All new and existing initiating and annunciation circuits
- New and existing connected devices on all modified circuits
- Distinguish new from existing equipment and devices with "N" and "E" subscripts
- Equipment legend for all devices, including model identification, if different from legend on floor plans
- All power supplies, including AH rating of batteries
- Off site monitoring connections
- Interface of fire safety control functions
- Conductor types and sizes. Identify if wiring is enclosed in conduit, exposed, power limited or non power

**Note:** For engine driven generators, include verification of conformance with NFPA 72, including the fuel supply.