

CALDWELL FIRE DEPARTMENT

Andrew Cater, Fire Marshal
310 S. 7th Avenue.
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Ph: 208-455-3032 Fax: 208-455-3014
Website: www.cityofcaldwell.com

RURAL FIRE ALARM PLAN REVIEW FORM

This form serves as a permit for the proposed work.

FP# _____ -C- _____

PROJECT INFORMATION

Name of Project: _____

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.

Fees: *Permit fee of \$150.00 applies to full NFPA 72 system.*

No. of Devices _____
X \$ 4.20 each

= _____

Permit fee: + \$150.00

Total: \$ _____

All Others: \$350.00 Flat Rate

Total: \$ _____

Applicant and Owners Representative: _____ Date: _____

OFFICIAL USE

2 Sets of Plans

2 Sets of Calculations

1 Set of Plans & Calculations
on CD in PDF Format

Approved by: _____

Approval Date: _____

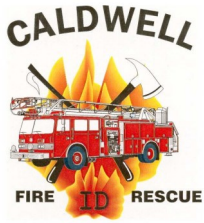
Amount Paid: \$ _____

Check #: _____

M.O.

Cash

Received by: _____



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FIRE ALARM REVIEW CHECKLIST

Fire Alarm System

Contact Information: Andy Cater 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)

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 enunciators
- 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.