IDAHO STATE FIRE MARSHAL
Department of Insurance
700 W. State Street, 3rd Floor
Boise, Idaho 83720-0043
Phone: (208) 334-4370 | www.doi.idaho.gov/sfm

FIRE ALARM PLAN REVIEW APPLICATION

NEW   RESUBMITTAL   DATE: _____

NAME OF PROJECT	STATE PROJECT
	Yes No

ADDRESS OF PROJECT	

CITY OF PROJECT	COUNTY OF PROJECT

FIRE DEPARTMENT JURISDICTION

OWNER'S INFORMATION

OWNER'S NAME		

OWNER'S ADDRESS		

CITY	STATE	ZIP

ALARM CONTRACTOR

CONTRACTOR'S NAME		

CONTRACTOR'S ADDRESS		

CITY	STATE	ZIP

CONTACT NAME	PHONE NUMBER	EMAIL

INSTALLATION CONTRACTOR

CONTRACTOR'S NAME		
CONTRACTOR'S ADDRESS		
CITY	**STATE**	**ZIP**

Shop drawings for fire alarm systems and emergency communications systems are intended to provide basic information consistent with the objective of installing a fully operational, code compliant fire alarm system and to provide the basis for the required record (as-built) drawings.

APPROVAL OF SHOP DRAWINGS IS NOT INTENDED TO IMPLY WAIVER OR MODIFICATION OF ANY REQUIREMENTS OF THE STATE LAWS OR RULES, INTERNATIONAL FIRE CODE, THE NFPA 72 CODE OR ANY OTHER APPLICABLE CRITERIA.

ANY CHANGES, MODIFICATIONS, ADDENDUMS, AND/OR SUPPLEMENTAL INSTRUCTIONS TO THE APPROVED SET OF PLANS AFTER DATE OF APPROVAL WILL REQUIRE RESUBMITTAL AND APPROVAL THROUGH THE STATE FIRE MARSHALS OFFICE.

ALL SHOP DRAWINGS SHOULD INCLUDE THE FOLLOWING INFORMATION:

IFC 907.1.2

Shop drawings for fire alarm systems shall be submitted for review and approval prior to system installation, and shall include, but not limited to, all of the following:

1. A floor plan that indicates the use of all rooms
2. Locations of alarm-initiating devices
3. Locations of alarm notification appliances, including candela ratings for visible alarm notification appliances
4. Design minimum audibility level for occupant notifications
5. Location of fire alarm control unit, transponders and notification power supplies
6. Annunciators
7. Power connection
8. Battery calculations
9. Conductor type and sizes
10. Voltage drop calculations
11. Manufacturers' data sheets indicating model numbers and listing information for equipment, devices and materials
12. Details of ceiling height and construction
13. The interface of fire safety control functions
14. Classification of the supervising station

IFC 907.2 & NFPA 72, 7.4.4

Shop drawings shall include the following information:

1. Name of protected premises, owner, and occupant (where applicable)
2. Name of installer or contractor
3. Location of protected premises
4. Device legend and symbols in accordance with NFPA 170, or other symbols acceptable to the authority having jurisdiction
5. Date of issue and any revision dates.

IFC 907.2 & NFPA 72, 7.4.5

Floor plan drawings shall be drawn to an indicated scale and shall include the following information, where applicable for the particular system:

1. Floor or level identification
2. Point of compass (indication of North)
3. Graphic scale
4. All walls and doors
5. All partitions extending to within 15 percent of the ceiling height (where applicable and when known)
6. Room and area description
7. System devices/component locations
8. Locations of fire alarm primary power disconnecting means
9. Locations of monitor/control interfaces to other systems
10. System riser locations
11. Type and number of system components/devices on each circuit, on each floor or level
12. Type and quantity of conductors and conduit (if used) for each circuit
13. Identification of any ceiling over 10 ft. in height where automatic fire detection is being proposed
14. Details of ceiling geometries, including beams and solid joists, where automatic fire detection is being proposed
15. Where known, acoustic properties of spaces

IFC 907.2 & NFPA 72, 7.4.10

System calculations shall be included as follows:

1. Battery calculations
2. Notification appliance circuit voltage drop calculations
3. Other required calculations, such as line resistance calculations, where required