



Planning & Development Services

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#603 Fire Sprinkler Plan Review Policies

Required Fire Sprinkler Permits

Permits shall be issued for the following work:

- New fire sprinkler systems
- Additions or modifications to existing fire sprinkler systems

Fire Sprinkler Permit Application (Form #603)

- Each submittal or resubmittal shall include a completed fire sprinkler permit application. Permit applications may be obtained at Planning & Development Services or at <http://pds.cityofboise.org>.
- Required information also includes the building permit number (BLD) related to the project work (if applicable).
- Where the scope of work encompasses more than one building permit, list all applicable building permits. (Note: A separate FIR permit will be created for each BLD permit)

Fees

Current fees are available at <http://pds.cityofboise.org/home/documents/fees>.

Tenant Improvement Work

Tenant improvement work shall include the relevant existing sprinkler system design information, which includes, but is not limited to:

- The type of system
- Occupancy classification
- Original sprinkler design spacing
- The type, model and k-value of the existing sprinklers.
- The existing sprinklers immediately surrounding the new scope of work, to verify the spacing of existing sprinklers heads has not been compromised.
- Any other pertinent information.

Initial Submittal (First Submittal)

The #603 Fire Sprinkler Permit Submittal Checklist lists the minimum information that is required. Three complete plan sets including all relevant information (calculations, manufacture data sheets, seismic calculations, etc.) shall be submitted with each submittal package.

Review time will be approximately ten working days.

Resubmittal

(Addressing denied plan review comments)

Three complete plan sets including all relevant information (calculations, manufacture data sheets, seismic calculations, etc.) shall be submitted with each submittal package.

In addition, the following items shall be supplied:

- A detailed letter with a line item response to each of the correction deficiency requested by the plan reviewer.
- All revisions shall be clouded and annotated on the plans to indicate the revision and date.
- The submittal package shall be marked as a resubmittal.

Review times will be approximately five working days

Plan Modification

(Plan changes after approved plans are issued)

Three complete plan sets including all relevant information (calculations, manufacture data sheets, seismic calculations, etc.) shall be submitted with each submittal package.

In addition, the following items shall be supplied:

- A detailed letter describing the changes to the approved plans.
- All revisions shall be clouded and annotated on the plans to indicate the revision and date.
- The submittal package shall be marked as a plan modification.
- The total number of sprinklers affected by the plan modification. (This includes the total number of sprinklers in the hydraulic design area if affected.)

Review time will be approximately ten working days.

Water Supply Information

- Boise Fire Department requires the architect of record to obtain a letter from the water purveyor indicating the static, residual, and flow available for sprinkler design, at the point of connection where the sprinkler tap is or will be made, with date and address of the water supply information.
- The architect of record is required to provide the sprinkler water supply information to all bidding fire sprinkler contractors.
- A copy of the water purveyor letter must accompany all fire sprinkler permit submittals.

Safety Factors

- All hydraulic design areas shall have a safety margin of at least 5% (cushion) on the available residual pressure at the calculated flow, per Idaho State Fire Marshal's policy.
- Where a fire booster pumps are installed, the maximum design flow shall be available at not less than 5 psi at the pump suction, at 150% of rated pump capacity including any inside and outside hose or other required system demands.