

Fire Permit Application

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FOR STAFF USE ONLY

Case Permit Number: _____ Plan Number: _____

Related permits: _____ Project #: _____

Responsibility for information

Although designated Department staff members will help you with general questions about completing this form, it is ultimately your responsibility to provide detailed information about the fire systems you are installing. Since these forms will be evaluated for completeness and accuracy, you can avoid unnecessary permit delays by carefully providing all required information. Disregard items that don't address your particular building or equipment.

Permit Application for: Fire Suppression System Underground Fire Line
 Fire Detection Special System

Business/tenant name _____

Job address _____ Suite # _____ Parcel # _____

Applicant name: _____

Mailing address _____ City _____ State _____ Zip _____

Phone (____) _____ FAX (____) _____ E-Mail: _____ Property Owner name: _____

_____ Mailing address

_____ City _____ State _____ Zip _____

Phone (____) _____ FAX (____) _____ E-Mail: _____ Contractor name: _____

_____ Mailing address _____ City _____ State _____ Zip _____

Phone (____) _____ FAX (____) _____ E-Mail: _____

State license number _____ Exp date _____ City of Bothell License No. _____

State Laws require verification of current Contractor's License – City business license required by Bothell Municipal Code Title 5

Contact name: _____

_____ Mailing address _____ City _____ State _____ Zip _____

Phone (____) _____ FAX (____) _____ E-Mail: _____

I hereby certify that the information provided on this application is true and correct and that the applicable requirements of the City of Bothell will be met. I certify that I am the owner of the subject property or that I have been given express permission by the owner of the subject property to submit this application for permit. By signing below applicant acknowledges the above statements. I declare under penalty of the perjury laws that the information I have provided on this form and any attachments and/or checklists is true, correct and complete.

Signed: _____ Date: _____



Fire Suppression Checklist

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Tenant Improvement

New Construction

Applicant

Staff

- Hydraulic Calculations
 - Manufacturer's data sheets for all sprinkler system components including installation requirements (cut sheets)
 - 2 Sets of Floor Plan(s) including:
 - Location of all walls and partitions
 - Identify the use of each room
 - Location and type of backflow prevention device
 - Location of sprinkler heads, bracings, and hangers
 - Pipe run and pipe size
 - Sprinkler density calculations
 - Information as it will appear on the hydraulic plan (not required for 13D systems)
 - All drawings and calculations should be stamped by a currently certified Washington State Sprinkler Designer.
 - Square Footage Information:
 - Gross floor area of the building:
 - Gross floor area of the tenant space:
 - Square footage breakdown for this project:
- New: _____ Alteration: _____ Addition: _____

Describe the work being done under this permit.

Fire Detection Checklist

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Tenant Improvement

New Construction

Applicant

Staff

- Fire Alarm System Design per NFPA 72 minimum requirements. All reviews of fire alarm systems, emergency communication systems and alterations and/or additions to existing systems MUST include the information listed on this sheet.

Addressable panel (required for new construction or new systems in tenant improvements) Yes No

Zoned Panel: Number of Zones: _____

Number of devices (detectors, horn/strobe, pull stations, mace locks, dampers, etc.): _____

Gross floor area of building: _____

Square footage breakdown for the project: New: _____ Alteration: _____ Addition: _____

Note: BMC 20.10.040 Existing buildings. B. Buildings or structures to which additions, alterations or repairs are made shall comply with all requirements for new buildings or structures in those portions being altered, repaired or added to, as adopted by the Bothell Municipal Code. When additions to structures or alterations, or repairs to any structure within any 12-month period exceeds 50 percent of the assessed value of an existing building or structure, such building or structure shall be made to conform to all the requirements of BMC 20.10.030 for a new building.

- Provide NICET III documentation [Effective 7/1/2017]
- 2 Sets of Panel and device(s) data sheets (Cut-sheets)
- 2 Sets of Floor Plans including:
- Floor or level identification.
 - Identify the use of each room
 - Point of compass (indication of North).
 - Graphic scale.
 - All windows and doors.
 - All partitions extending to within 15% of the ceiling height (where applicable and when known).
 - Room and/or area descriptions.
 - System devices/component locations.
 - Location of fire alarm primary power disconnecting means.
 - Locations of monitor/control interfaces to other systems.
 - System riser locations.
 - Type and number of system components/devices on each circuit, on each floor or level.
 - Identification of any ceiling over 10 feet in height where automatic detection is being proposed.
 - Details of ceiling geometries (incl. beams and solid joists) where automatic fire detection is being proposed.
 - Acoustic properties of spaces (where known).
- NFPA [72 7.2.1] Minimum Requirements:
- Identify the person responsible for system design (layout) on system design documents.
 - Use of symbols must conform to NFPA 170 Standard for Fire Safety and Emergency Symbols.
 - Drawn to an indicated scale (1/8 inch preferred) on sheets of uniform size and with a plan of each floor.
 - Riser diagram.
 - Floor plan layout showing location of all devices and control equipment.
 - Sequence of operation in either an input/output matrix or narrative form.
 - Equipment technical sheets.
 - Manufacturers published instructions, including operation and maintenance instructions.
 - Battery calculations (where batteries are provided).
 - Voltage drop calculations for notification appliance circuits.

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Control Unit Diagrams Requirements:

ALL control equipment (equipment listed as either a control unit or control unit accessory), power supplies, battery chargers and annunciators must have diagrams and include the following:

- Identification of control equipment depicted.
- Location(s) of control equipment.
- All field wiring terminals and terminal identifications.
- All circuits connected to field wiring terminals and circuit identifications.
- All indicators and manual controls.
- Field connections to supervising station signaling equipment, releasing equipment or emergency safety control interfaces (where provided).

Typical Wiring Diagrams and System Calculations Requirements:

- All initiating devices, notification appliances, remote indicators, remote test stations, end-of-line and power supervisory devices.
- Narrative description or input/output matrix of operation describing the sequence of operation.
- All NEW fire alarm systems must identify the location of a document cabinet [NFPA 72 7.7.2].
- Battery calculations.
- Notification appliance circuit voltage drop calculations.
- Other required calculations, such as, line resistance calculations (where required).

Written narrative of the intent and system description.

Underground Fire Line Checklist

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Tenant Improvement

New Construction

Applicant

Staff

- 2 Sets of Site Plans with:
 - North Arrow
 - Existing and proposed streets surrounding the property
 - Existing and proposed contours (5' increments)
 - Property lines
 - All present improvements on property
 - Legal description and assessor's parcel number
 - Location of existing and/or proposed easements
 - Location of curbs, double detector check valve vault, fire department connections, fire hydrants and post indicator valve or wall post indicator valve
 - Location of underground fire line(s)

- 2 Sets of Underground System Design Plans with:
 - System designer stamp
 - Hydraulic calculations and design of the complete underground fire line system
 - Indicate the location and size of the main tap including the method of the proposed tap
 - City of Bothell construction standards
 - Show location and method of pipe restraint
 - Fire Department Connections (FDC) locations
 - Double Detector Check Valve (DDCV) location-outside the building footprint in a vault

- Copy of Washington State Certificate for "Underground" piping
- Complete materials list to include pipe size, type, schedule and fitting/valve information

Describe the work being done under this permit.

Special Systems Checklist

66

Tenant Improvement

New Construction

Applicant

Staff

- 2 Sets of Floor Plans including
- Location of all walls and partitions
 - Identify the use of each room
 - Location and type of backflow prevention device
 - Location of sprinkler heads, bracings, and hangers
 - Pipe run and pipe size
 - Sprinkler density calculations
 - Information as it will appear on the hydraulic plan (not required for 13D systems)
 - All drawings and calculations should be stamped by a currently certified Washington State Sprinkler Designer

Hydraulic Calculations for standpipe and sprinkler systems

Manufacturer's data sheets for all system components including installation requirements

Select System Type:

Detection System

- Vesda
- Pre-Action
- Other _____

Suppression System

- Standpipe
- UL-300 Cooking Range hood and duct
- FM 200
- Clean Agent
- Other

Describe the work being done under this permit.
