

SUBMITTAL REQUIREMENTS FOR COMMERCIAL FIRE SPRINKLER SYSTEM PROJECT

When submitting your application for Commercial projects please include the following:

1. Completed Building Permit Application with page 2 stamped by a design professional.
2. If you don't know your tax parcel number for your property to put on your application, please contact the Tax Office at 724-465-3812.
3. Two (2) complete sets of sealed drawings for your building project.
4. Your contractor's workman's compensation and liability insurance. If you are not using a contractor or your contractor doesn't have workman's compensation insurance, please complete the Workman's Comp form and have it notarized.
5. Sub-division and land development approval, if required.
6. Current Certificate of Occupancy from Labor & Industry.
7. \$150.00 application fee (\$50.00 of which is non-refundable) – please make check payable to ***Indiana County***.

INDIANA COUNTY

Office of Planning and Development
801 Water Street
Indiana, PA 15701
(724) 465-3870 Fax (724) 465-3151

FOR OFFICE USE ONLY

Permit # _____

Date: _____

Building Permit Application ~Commercial Fire Sprinkler System~

***** All Drawings Must be Sealed by an Architect or an Engineer *****

Company at Site Address Information

Company Name at Site Address _____

Site Address _____

City _____ State PA Zip _____

Municipality _____ Township / Borough _____



**YOU MUST PROVIDE A TAX PARCEL
NUMBER FOR THE PROPERTY AT THE
SITE ADDRESS LISTED ABOVE**

Tax Parcel # _____

Company at Site Mailing Address (if different than site address) _____

City _____ State _____ Zip Code _____

Contact Person (for above Company) _____

Phone Number _____ Cell Phone _____

Fax Number _____

Contact Person's E-mail Address: _____

Estimated cost of the project: \$ _____

Water Supply _____

Sewage _____

Electricity provider _____

Gas Provider _____

of multi-family dwelling units _____

of accessible dwelling units _____

Fire suppression ☐ Full ☐ Partial ☐ None

If this is an existing commercial building, please provide our office with a copy of the Certificate of Occupancy

Is this permit for a medical care facility regulated by the Health Care Facilities Act?

☐ Yes ☐ No If "yes," please attach copy of plan approval issued by the PA Department of Health.

Contractor's Information

Contractor: _____

Address _____

City _____ State _____ Zip _____

Phone _____ Fax _____ Cell Phone _____

E-mail Address: _____

To be completed by the Design Professional

(Affix seal to the right of name and address)

Name: _____

Address: _____

PA License # _____

E-Mail: _____

Phone: _____

Fax: _____

Alternative Construction Method/Material

Will an alternative construction method or material be used on this project? ☐ Yes ☐ No
If "Yes," applicant or design professional must submit a signed statement indicating that the proposed method or material meets the requirements of 34 PA Code § 403.44.

Applicant:

____ OWNER ____ ARCHITECT ____ ENGINEER ____ CONTRACTOR ____ AGENT/OTHER _____

Signature Date

PENNSAFE BUILDING INSPECTION SERVICES LLC

PLAN SUBMITTAL HANDOUT for FIRE SPRINKLER SYSTEMS

The Project Submittal package is required to include all information on this handout. Check each applicable item. If not applicable, then mark item n/a. This form must be submitted with attached project drawings.

- ☐ Permit Application
- ☐ Municipal Prior Approval
- ☐ Two full sets of Plans (**minimum 24"x 30"**) drawn to scale
- ☐ Existing Certificate of Occupancy (if available)

The applicant shall be responsible to ensure that design specifications and plans are complete and in compliance with the requirements of the International Fire Code and applicable standards.

****The following items are required to be included on the Plans****

(Check every item that will be included in the project or mark n/a as not applicable)

Proposed Work:

- ☐ Design Code Used: _____; Use Group: _____; Construction Type: _____
- ☐ Provide code compliance path (i.e.: IBC, NFPA).
- ☐ New system within a new building.
- ☐ New system within an existing building.
- ☐ Replacement of existing system (Include reason for replacement in explanatory comments).
- ☐ Modification of existing system.

Design Description:

- ☐ NFPA 13
- ☐ NFPA 13R
- ☐ NFPA 13D
- ☐ NFPA 13D Modified
- ☐ Live Work Unit

Documents Provided:

- ☐ Fire sprinkler permit application.
- ☐ Fire sprinkler plans (2 sets). Minimum size – 24"x30"
- ☐ Calculations (lateral and longitudinal).
- ☐ Water supply information from local water purveyor (within the last 12 months).
- ☐ Manufacturer's specification sheet for each sprinkler type and all other devices.
- ☐ Hydraulic calculations in the form specified in the latest edition of NFPA 13.
- ☐ Existing system design information including: type of system, design of system (tree, grid, loop, etc.), sprinkler spacing, hydraulic information, pump information, water supply used.
- ☐ High-piled/rack & combustible storage.

- ☐ Pre-action release/detection system drawings and details.

Fire Sprinkler Plans:

- ☐ Site plan.
- ☐ All plan sheets to include title block, name and address of project, and north arrow.
- ☐ Drawings must include all portions of the building affected by the construction project.
- ☐ Full-height cross section of building *with fire protection piping shown* (including structural information).
- ☐ Sprinkler head legend provided on *cover sheet* with total number of each type of sprinkler for the entire project.
- ☐ Sprinkler head legend on *each sheet* with total number of each type of sprinkler on that sheet. Sprinkler legend to include: make, type, model, K-factor, sprinkler identification number, maximum spacing that has been used in the hydraulic calculations for each sprinkler type.
- ☐ A graphic representation of the scale.
- ☐ Total area protected by each system on each floor.
- ☐ Clearly differentiate full height walls (walls to the deck) from partial walls and fire walls.
- ☐ Lights (indicate if they are surface-mounted or flush). *Required on 13D and 13R.
- ☐ Occupancy class of each room.
- ☐ Any small enclosures in which no sprinklers are to be installed. (Clearly indicate why sprinklers are not being installed in these areas).
- ☐ Pipe type and wall thickness.
- ☐ Nominal pipe size and cutting lengths.
- ☐ Type and location of hangers, sleeves and braces. (Zone of influence shown on plans).
- ☐ Riser detail including: valves, backflow preventer, exterior bell, monitor switches, flow switches, air maintenance device, quick opening device, etc.
- ☐ Hanger details.
- ☐ Floor level control values (See BMC).
- ☐ The forward flow test piping, valving and the *required pitot pressure*.
- ☐ Where the permitted work is an addition to an existing system, enough of the existing system shall be indicated on the plans to make all related code conditions clear. This includes enough of the system surrounding the scope of work to make it clear if the existing fire protection has been compromised.
- ☐ Hydraulic reference points shown on the plans that correspond with the reference points on the hydraulic calculation sheets.
- ☐ The minimum rate of water application (density or flow or discharge pressure), the design area of water application, in-rack sprinkler demand, and the water required for hose streams both inside and outside. Flow test information (static residual, GPM date).
- ☐ Clearly indicate the hydraulic most remote area(s) calculated.
- ☐ If room design method is used, indicate all self-closing doors and wall ratings.
- ☐ Capacity in gallons of dry pipe system.
- ☐ Standpipe location, pipe sizes, and interconnection of multiple standpipes.
- ☐ Location of hydrants.
- ☐ Size, location, and piping arrangement of fire department connections.
- ☐ Ceiling/roof heights and slopes (roof pitch).

- ☐ Key plan on each drawing showing location of work for that drawing.
- ☐ Vicinity map (show location of project).
- ☐ Grid points and line numbers (column lines).
- ☐ Fire pump make, model, rating, details, and detailed piping schematic.
- ☐ Fire water tank plans and details.
- ☐ Underground piping plan including: pipe size, type, tap location, depth of burial of pipe, thrust block locations.
- ☐ Total number of sprinklers on the project.

****THIS COMPLETED FORM MUST BE SUBMITTED WITH PROJECT PLANS****