



Requirements for the Submittal of Fire Alarm Systems NFPA 72

SECTION A – WALK-THRU PERMIT SUBMITTAL REQUIREMENTS

1. Permits and submittals are required for all work involving any fire alarm system additions or modifications.
2. Walk-thru permits are available for adding/relocating three (3) or fewer devices.
3. Drawings must be to scale or dimensioned. Plans must show the location of existing devices and panels.

SECTION B - GENERAL SUBMITTAL REQUIREMENTS

1. Permits and submittals are required for all work.
2. Fees are based on number of devices per floor.
3. A separate Electrical Permit is required and must be applied for no later than the time of the fire alarm submittal. 110-volt (or higher) connections requires a Master Electrician licensed by the City of Rockville.
4. Fees should be paid at the time of submission and must be paid prior to permit issuance.
5. For revisions to approved plans, include copy of original approved plans.

SECTION C - DRAWING REQUIREMENTS

1. Plans must be submitted in .pdf format. See website for naming conventions and file size requirements.
2. For continuations of large projects or for revisions, indicate the permit number and include a copy of the original reviewed plans.
3. For submittals involving work on a portion of any plan (such as tenant work or partial revisions), cross off any areas not to be reviewed on each set.
4. Plans must include:
 - 4.1 Project name and address (include all addresses if more than one building).
 - 4.2 Project owner's name and address including zip code (tenant for tenant work; building owner for shell work).
 - 4.3 Building construction permit number.
 - 4.4 Contractor name, address, telephone number, and contact person.
 - 4.5 Symbol and abbreviation key.
 - 4.6 The preferred scale for floor plans is 1/8" per foot. Minimum 1/8" required.
 - 4.7 Occupancy of all rooms and areas labeled.
 - 4.8 Location of all partitions. Indicate height of all moveable partitions, rating of any fire walls, partitions, doors, and associated detection. Smoke partitions, doors, duct penetrations, and associated detection.
 - 4.9 Include catalog cuts for all equipment to be used.



- 4.10 For system additions, submit existing equipment catalog cuts for coordination and compatibility.
- 4.11 Annotate all catalog cuts to show exact model(s) to be used.
- 4.12 Include system devices provided by others such as duct detectors, tamper and flow switches, etc.
- 4.13 Proposed final annunciator layout. Orient diagram the same as the viewing angle.

SECTION D – OTHER REQUIREMENTS

- 1. Wiring Diagram
 - 1.1 This must be a point-to-point diagram showing all terminal connections at devices and panel(s).
 - 1.2 Typical circuits or devices may be shown once.
- 2. Riser Diagram
 - 2.1 Show all devices and panels.
 - 2.2 Give all wire counts.
- 3. Sequence of Operations
 - 3.1 For all initiating devices, show all system outputs such as audible and visual devices, annunciation, door and damper closure, AHU shutdown, door unlocking, smoke control system activation, sprinkler system activation, etc. This must be in matrix form for high-rises.
- 4. Battery Calculations
 - 4.1 Show all devices and current draw.
 - 4.2 Provide the required alarm and supervision time.
- 5. Circuit Calculations
 - 5.1 Show all devices and current draw.
 - 5.2 Show total circuit load, not to exceed maximum circuit capacity.