



Fire alarm system plan review

809 N. Broadway

Milwaukee, WI 53202-3617

414-286-8207

The City of Milwaukee requires plan review of fire detection and alarm systems for all new fire alarm installations as well as expansion, alteration, or replacement of existing systems that involves more than 20 devices prior to the issuance of a fire alarm permit. No plan review is required for replacement of devices of existing systems but does require a permit.

Drawing Standards

The drawings must be drawn using standard manual drafting equipment or by computer. Hand drawn sketches will not be accepted.

All drawings must be to scale and in accordance with standard drafting practice, important dimensions must also be indicated by value, i.e. feet and inches. The drawings must have enough contrast so that all lines and lettering are readable and able to be microfilmed for record.

Submittal Requirements

The following items must be provided:

- Four (4) sets of properly signed and sealed fire alarm plans.
- One (1) copy of a Certificate of Supervision completed by the designer for buildings over 50,000 cubic feet in volume.
- Two (2) sets of battery calculations.
- Two (2) sets of voltage-drop calculations for each notification circuit.
- Two (2) sets of manufacturer data sheets for each appurtenance used in the system being installed.
- Two (2) copies of a detailed, project specific "Sequence of Operation" which clearly identifies all functions of the fire alarm system, including the transmission of alarm, supervisory, and trouble signals to an approved supervising station.
- Record of Completion Form (NFPA 72 fig. 1-6.2.1) and Inspection and Testing Form (NFPA 72 fig. 7-5.2.2) [Fill in as much information as possible; resubmit completed forms at the end of job]
- A completed Fire Alarm Permit Application form.

- Plan review fees.

Additional relevant information may be needed and requested to determine compliance with code requirements.

Plan Review Fees – Fire alarm

See plan review fee information to view current plan review fees.

Additional Requirements

For buildings having a volume of more than 50,000 ft³, the fire alarm plans must be stamped, signed, and dated by a Wisconsin-registered architect, professional engineer or designer of electrical systems. In those cases where the submitter is both, the designer and installer of the fire alarm system, an original signature of the designer and date will suffice. Each sheet shall be individually sealed/signed and dated. If more than one sheet is bound together in a set, the registrant may sign/seal and date only the title or index sheet if that sheet clearly identifies all other sheets in the bound set. All seals/stamps shall be original. Signatures shall be original and in permanent ink contrasting with the seal. Stickers, photocopies, or electronic images are not acceptable.

Drawings that do not meet the standards and requirements will be returned along with the application. The plan review cannot be started and the permit cannot be issued until acceptable drawings are submitted for review. Please note that work started without a permit is subject to a quadruple fee.