



Urbandale Fire Department

3927 121st Street • Urbandale, Iowa 50323
(515) 278-3970 • Fax (515) 278-3972

FIRE ALARM SYSTEM Installation and Submittal Requirements

The following is the criteria for new and/or replacement fire alarm systems installed in the City of Urbandale. **NFPA 72 (2010 Edition)** shall be followed. Fire alarm systems shall be addressable utilizing the following criteria:

1. All new systems shall be addressable fire alarm systems and shall be monitored by a UL listed monitoring station. Exception: new fire alarm systems that have 8 or less initiating devices may be zone panels and each zone shall be set up so only one device is on each zone. Zone systems shall also be monitored by a UL listed monitoring station.
2. Each address point id for initiating devices shall have an alpha/numeric descriptor location for the fire alarm system. This alpha/numeric descriptor location is required to be reported to the WestCom Dispatch Center upon activation of the fire alarm system.
3. Where corridors and/or hallways are protected by fire sprinkler systems they shall also be protected by smoke detection. Smoke detection shall be of the photoelectric type.
4. All new fire alarm installations shall be approved prior to installation. Two sets of plans to include battery calculations, device specifications, and other documents as required by NFPA 72 shall be submitted for review.
5. Fire alarm plans shall be submitted to the Urbandale Fire Department, 3927 121st St., Urbandale, IA 50323. Include a SASE if you will not be picking up the plans.
6. Plans will only be accepted from a NICET III or equivalent in Fire Alarm Designer. The plans shall be stamped by the licensed person. Fire alarm contractors must be registered with the State Fire Marshal's Office as well as the local "West Metro" licensing.
7. Two sets of construction plans shall be submitted to the Urbandale Fire Department. The plans shall include, if applicable:
 - A. Manual pull stations, horn/strobes, strobes, heat and smoke detection, duct detection and any other initiating and notification device pertinent to the installation per NFPA 72 (2010 Edition) and other applicable codes to include IFC Supplement 2012 amendments. Devices shall be shown on the floor plans.
 - B. Floor plan indicating the location of all devices.
 - C. Equipment list to include the number of each device (how many) and their manufacturer, model numbers, and listing information.
 - D. Battery calculations, Voltage drop calculations, conductor type and sizes, power connection and annunciation, and the interface of fire safety control functions.

If you have any questions, contact the Urbandale Fire Dept. at 515-278-3970.