



COMMUNITY DEVELOPMENT DEPARTMENT CHARTER TOWNSHIP OF WEST BLOOMFIELD

COMMERCIAL FIRE ALARM SYSTEM APPLICATION CHECKLIST

- Completed and signed Fire Alarm Permit Application with estimated cost of construction
- Application Fee - \$150.00
- Minimum Plan Review Fee - \$150.00
- Sealed & Signed Deferred Submittal/Plans (106.1):** All drawings must have the original hand written signature (no stamped signature), seal and date of the State of Michigan Registered Design Professional in responsible charge of the design. Section 106 of MBC- 2006
- Business Description (NFPA 72 Sec. 4.5.1.1 - 2002ed.)**
Provide a cover sheet indicating the owner and/or tenant describing the business, location, including address and date.
- Floor Plan Drawings (NFPA 72 Sec. 4.5.1.1 - 2002ed., IFC 2003 Section 907.1.1):** Provide three sets of plans of uniform size (preferred scale 1/8") including the following information:
 - 1. Floor identification
 - 2. Point of compass
 - 3. Graphic scale
 - 4. All walls and doors
 - 5. All partitions extending to within 18 inches of the ceiling
 - 6. Room descriptions
 - 7. Location of all alarm control and trouble signaling equipment
 - 8. Location of all fire alarm devices (initiating and notification devices)
 - 9. Locations of all fire alarm primary power connections
 - 10. Locations of monitoring / control interfaces to other systems(devices)
 - 11. Riser locations
- Bill of Materials (NFPA 72 Sec. 4.5.1.1 - 2002ed., IFC 2003 Section 907.1.1):**
Equipment schedule or bill of materials for each piece of equipment or device showing device name, manufacturer, model or part number, quantity, description.
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- Manufacturer's product brochures (IFC 2003 Section 907.1.1):** Information to include description, models numbers, listing information and current draw for all devices, cable and materials.
- Battery Calculations (IFC 2003 Section 907.1.1)**
- Voltage Drop Calculations (IFC 2003 Section 907.1.1)**

- Fire Alarm System Riser Diagrams (NFPA 72 Sec. 4.5.1.1 - 2002ed.):** Shall include the following information:
 - 1. General arrangement of the system, in building cross-section
 - 2. Number of risers
 - 3. Type and number of circuits in each riser
 - 4. Type and number of fire alarm system components/devices on each circuit, on each floor or level
- Control Wiring Diagrams (NFPA 72 Sec. 4.5.1.1 - 2002ed.):** Diagrams shall be provided for all control equipment, power supplies, battery chargers, and annunciators and shall include:
 - 1. Identification of the control equipment depicted
 - 2. Location(s)
 - 3. All field wiring terminals and terminal identifications
 - 4. All circuits connected to field wiring terminals, and circuit identifications
 - 5. All indicators and manual controls, including full text of all labels
 - 6. All field connections to supervising station signaling equipment, releasing equipment, and fire safety control interfaces
- Point to Point (Typical) Wiring Diagrams (NFPA 72 Sec. 4.5.1.1 - 2002ed.):** Diagrams shall be provided for all initiating devices, notification appliances, remote alarm LED's, Remote test stations, and power supervisory devices.