

**FIRE ALARM**

Commercial Fire Alarm System  
Modification or New

**City of Aurora**

Development Services Department  
Division of Building and Permits  
77 S Broadway  
Aurora, IL 60505



APPLICATION #: \_\_\_\_\_

PARENT PERMIT #: \_\_\_\_\_

Total Fees: \_\_\_\_\_

Submittal Date: \_\_\_\_\_

Online Portal: <https://auro-trk.aspgov.com/etrakit/>

Phone: 630.256.3130

Website: [www.aurora-il.org](http://www.aurora-il.org)

Property Address: \_\_\_\_\_ Unit/Suite #: \_\_\_\_\_

**Owner Information (all fields required)**

Additional Contact Info  Applicant  Tenant  Property Mngr

Name: \_\_\_\_\_

Name: \_\_\_\_\_

Address: \_\_\_\_\_

Address: \_\_\_\_\_

Phone: \_\_\_\_\_

Phone: \_\_\_\_\_

Email: \_\_\_\_\_

Email: \_\_\_\_\_

**ACKNOWLEDGEMENT OF APPLICATION ONLY**

This is an application only. Completion of this application does NOT entitle the commencement of construction. I, (the applicant) agree to conform to all applicable laws of the City of Aurora. I also agree that all work performed will be in accordance with the plans and specifications as set forth in the approved permit. I understand that the approval of this application and issuance of a permit does not preclude the need to comply with all applicable laws and ordinances. I agree to hold harmless and indemnify the City of Aurora for any claim against the City as the result of any act of commission or omission by or on behalf of the undersigned, his/her agent, principle, contractor, subcontractor or supplier. I the undersigned am the Owner or a duly contracted representative of the owner of said property. As part of this application process, I affirm that all the information herein is true and correct to the best of my knowledge. I authorize the City of Aurora to make any reasonable inspections of the property as part of the application and permit process.

Owner  Contractor  Representative  Role: \_\_\_\_\_

Name: \_\_\_\_\_ Signature: \_\_\_\_\_

**DESCRIPTION OF WORK**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**APPLICATION SUBMITTAL REQUIREMENTS**

- o Reference the "Submittal Requirements, Application Timeframes and Inspection Contacts" handout for quantity of items to submit with completed application
- o Complete scaled plan showing location of all alarm initiating and notification appliances, stamped and signed (wet or digital) by a licensed design professional
  - o Provide alarm control and trouble signaling equipment
    - Include detail on the interface of fire safety control functions in accordance with the IFC.
    - Include a sequence of operations listing under what conditions a general alarm, a trouble alarm and a supervisory alarm will be transmitted
      - A low temperature alarm shall initiate a supervisory alarm in accordance with NFPA 72
      - Tamper switches located on sprinkler valves 1-1/2" or larger shall initiate a supervisory alarm in accordance with NFPA 72
      - Actuation of a duct smoke detector shall activate a visible and audible supervisory alarm in accordance with 2015 IMC
        - o Activation of a duct smoke detector shall shut down the air distribution system and any air distribution systems that are part of a smoke control system shall switch to smoke control mode in accordance with th
    - Include proper device candela level and spacing in accordance with tables from NFPA 72 (ie 75 candela device covers 45' in front and 22.5' to each side)
    - Include visual alarm in all common use areas per Illinois Accessibility Code
    - Include exterior strobe at the fire department connection which shall activate ONLY on water flow and shall not latch to the fire alarm panel
      - The strobe must be red in color
  - o Provide equipment address log or zone log for annunciation
  - o Provide location of electrical panel, breaker number, designation of means to high voltage connection, name of Aurora licensed contractor
    - Include conductor types and sizes
    - Include voltage drop calculations
  - o Provide battery calculations demonstrating 24 hours of battery backup as required per NFPA 72
  - o Provide manufacturers, model numbers and listing information for equipment, devices and materials
  - o Provide detail of ceiling height, ceiling surface and configuration (sloped, flat or suspended) for smoke detectors per NFPA 72
    - Include smoke detector at the FACP in accordance with NFPA 72

**APPLICABLE CODES and STANDARDS**

2013 NFPA 13	2015 International Building Code	2015 International Mechanical Code
2013 NFPA 72	2015 International Fire Code	<a href="#">City of Aurora Ordinances</a>

Application Fee is due at time of submittal.

COST OF WORK: \_\_\_\_\_

**CONTRACTOR INFORMATION (COMPLETE THE ONE THAT APPLIES)**

**ALARM CONTRACTOR INFORMATION**

City of Aurora Registration #: \_\_\_\_\_  
Business Name: \_\_\_\_\_  
Contact Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
City, State, Zip: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Email: \_\_\_\_\_

**ELECTRICAL CONTRACTOR INFORMATION**

City of Aurora Registration #: \_\_\_\_\_  
Business Name: \_\_\_\_\_  
Contact Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
City, State, Zip: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Email: \_\_\_\_\_

**PROJECT, FIRE SYSTEMS AND BUILDING INFORMATION**

Proposed Work Type:   New System                      Modification of Existing                      Other: \_\_\_\_\_  
Is this work associated with other construction:   Yes   No      If yes, provide permit number: \_\_\_\_\_ - \_\_\_\_\_  
Does the building have a sprinkler system in it:   Yes - Complete   Yes – Limited   No  
If yes, complete the following: System Type:   Wet   Dry      Fire Pump:   Yes   No      Standpipes:   Yes   No  
Special Agent:   Yes   No      Hood Suppression:   Yes   No  
Building Information: Height: \_\_\_\_\_ ft                      Stories: \_\_\_\_\_                      Area: \_\_\_\_\_ sf  
Construction Type:   1A   1B   2A   2B   3A   3B   4   5A   5B

Please indicated below **ALL** Occupancy Classifications that apply to your project:

Specific Previous Use	Specific Proposed Use	Classification	Generic Description
		A-1 Assembly	Theaters (movie and live), concert halls, television and radio (with audience area)
		A-2 Assembly	Restaurants, bars, banquet facilities, casinos, nightclubs
		A-3 Assembly	Churches, museums, community halls, libraries, indoor sports (w/o spectators)
		A-4 Assembly	Indoor sports (w/ spectators), swimming pools
		A-5 Assembly	Amusement parks, bleachers, grandstands, stadiums
		B Business	Professional services, bank, lab, print shop, barber / beauty shop
		E Educational	Schools (other than college), daycare facilities
		F-1 Factory / Indus.	Moderate Hazard: appliances, electronics, food processing, furniture, textiles
		F-2 Factory / Indus.	Masonry, glass products, gypsum
		H-1 High Hazard	Detonable pyrophoric materials, explosives, unstable materials
		H-2 High Hazard	Flammable gases, cryogenic fluids,
		H-3 High Hazard	Consumer fireworks, flammable solids, oxidizing gases
		H-4 High Hazard	Corrosives, highly toxic materials
		H-5 High Hazard	Semiconductor fabrication or research
		I-1 Institutional	Assisted living, group homes, alcohol / drug centers (more than 16 for 24 hour)
		I-2 Institutional	Foster care, detoxification facility, hospital (more than 5 for 24 hour)
		I-3 Institutional	Correctional centers, jails, detention centers, prisons
		I-4 Institutional	Adult day care, child day care (more than 5 less than 24 hour)
		M Mercantile	Department stores, drug stores, retail stores, wholesale stores
		R-1 Residential	Hotels, motels
		R-2 Residential	Apartments, dorms, live / work units
		R-3 Residential	Specific limited residential occupancies
		R-4 Residential	Rehab centers, assisted living, congregate care facilities
		S-1 Storage	Moderate Hazard: books, shoes, furniture, fabrics, tires, mattresses
		S-2 Storage	Glass, gypsum board, metal furniture / parts, parking garages
		U Utility	Greenhouses, tanks, towers, barns, sheds, agricultural buildings

- If the proposed project has more than one classification, it will qualify either as a Single Occupancy with Incidental or Accessory Uses or a Mixed Occupancy (non-separated or separated). Design Professional needs to properly indicate these requirements from IBC on the cover page.

**DISCLAIMER**

For any hood suppression systems please use our HOOD application  
For any standard fire sprinkler system please use our FIRE SPRINKLER application  
For any wet chemical, dry chemical, carbon dioxide, clean agent or foam system use our SPECIAL AGENT SYSTEM application