TOWN OF HALTON HILLS
Working Together Working for You!
1 Halton Hills Drive, Halton Hills, L7G 5G2
905-873-2600 | 1-877-712-2205
haltonhills.ca

INTEGRATED SYSTEM TESTING REQUIREMENTS

Articles 3.2.10.1. and 9.10.18.10. of the Ontario Building Code (OBC) requires that where fire protection and life safety systems, and systems with fire protection and life safety functions, are integrated with each other, the systems shall be tested as a whole in accordance with the current OBC referenced version of CAN/ULC-S1001, “Integrated Systems Testing of Fire Protection and Life Safety Systems”, to verify that the systems have been properly integrated.

CAN/ULC-S1001 Standard for Integrated Systems Testing of Fire Protection and Life Safety Systems is related to commissioning of fire protection and life safety systems. It will apply to any combination of two or more fire protection and life safety systems, which may or may not be physically connected with one another but are designed to operate together to achieve an overall fire protection and life safety objective.

The Building Division will request the following to be provided with permit applications:

To issue full permits: (not necessarily required for shell permits)

1. The name of the ULC QUALIFIED INTEGRATED TESTING COORDINATOR. The Integrated Testing Coordinator is the person, firm, corporation, or organization responsible for the development and implementation of the integrated testing plan.

   In consideration of the necessity to maintain independent verification and inspection of the various fire protection and life safety systems in a building / premises, companies that perform verification of the fire alarm systems in accordance with CAN/ULC-S537 are not allowed to conduct integrated systems testing on the same building / premises in accordance with CAN/ULC-S1001 under this ULC listing program.

2. INTEGRATED TESTING PLAN – A written project specific document, prepared by the ULC qualified integrated testing coordinator, outlining the required tests and necessary functional results to conduct integrated fire protection and life safety systems testing.

To close permits or issue occupancy permits, submit the following:

3. INTEGRATED TESTING REPORT – A written project specific document, prepared by the integrated testing coordinator, documenting the implementation of the integrated testing plan.

4. The Integrated Testing Report will have to have a final statement indicating that the Integrated fire protection and life safety systems have been installed and tested as per the current OBC referenced version of the CAN/ULC-S1001standard.

Please fill out the Integrated Fire Protection and Life Safety System Testing form to determine if an integrated systems testing plan and report applies to your project.

Building Services
Tel: 905-873-2600 ext. 2924 Fax: 905-873-3036

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Integrated Fire Protection and Life Safety System Testing

Municipal Address of Project: _____

Integrated Testing Coordinator (ULC Qualified): _____

Applicant/Owner: _____

Scope of the type of integration: New Integrated Systems ☐ / Retro-Integrated Systems ☐

Systems Integrated	Yes	No	N/A
Air Handling System Smoke Circulation Prevention w/ Duct-type smoke detector			
Audio/Visual and/or Lighting Control Systems			
Central Vacuum Cleaning System			
Cooking Equipment Fire Suppression Systems			
Dust Collection Systems			
Electromagnetic Locking Devices			
Electromagnetic Locks			
Elevator Emergency Return with Automatic Emergency Recall Feature			
Elevators			
Emergency Elevators			
Emergency Power Supply			
Fire Alarm System (including sequence of operations)			
Fire Pumps			
Fixed Fire Suppression Systems			
Freeze Protection Systems			
Hazardous Protection Monitoring			
Hold-Open Devices			
Mass Notification System			
Notification Systems			
Signal Transmitting to Fire Department			
Smoke Alarms			
Smoke Control Pressurization Systems			
Smoke Control Smoke Exhaust Systems			
Spark Arrest Systems			
Sprinkler Systems			
Standpipe Systems			
Unframed Fire Curtain			
Water Supplies			
Water Supply Control Valves			
Other			
Other			

Copy of the Integrated Testing Report Attached: Yes ☐ or No ☐

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INTEGRATED SYSTEM TESTING REQUIREMENTS

INTEGRATED FIRE PROTECTION AND LIFE SAFETY SYSTEMS – A combination of two or more fire protection and life safety systems, which may or may not be physically connected with one another, but that are designed to operate together to achieve an overall fire protection and life safety objective.

LIFE SAFETY SYSTEM – A system designed to enhance or facilitate the safety of building occupants during an emergency condition (Fire alarm, emergency lighting, exit signs).

FIREPROTECTION SYSTEM – A system designed to detect and/or react to a fire condition and:

a) Aid in the warning, protection, or evacuation of building occupants, or

b) Suppress or control the spread of fire and its by-products, or

c) Any combination thereof. Life safety systems and their components (i.e., fire alarm systems, sprinklers, standpipes, smoke control, ventilation, pressurization, door hold-open devices, elevator recalls, smoke and fire shutters and dampers, emergency power, emergency lighting, etc.)

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