ABBOTSFORD

BUILDING DIVISION

Integrated Systems Testing of Fire Protection and Life Safety Systems

Applicability

The BC Building Code requires fire protection and life safety systems that are designed to operate together to be tested as a whole in accordance with CAN/ULC-S1001, Integrated Systems Testing of Fire Protection and Life Safety Systems. This applies to both Part 3 (Article 3.2.9.1.) and Part 9 (Article 9.10.1.2.) buildings.

Integrated testing may involve fire alarm, sprinkler, smoke control, HVAC, elevator recall, fire and smoke dampers, door hold-open devices, emergency power, fire pumps and other systems with fire protection or life safety functions.

Integrated testing verifies that separate fire protection and life safety systems work together as intended. It does not replace the individual testing, verification or commissioning of those systems.

Before Final Inspection

For projects requiring integrated testing:

- Submit the integrated testing plan to the Building Official.
- Complete integrated testing in accordance with CAN/ULC-S1001.
- Correct all identified deficiencies.
- Complete and submit the final integrated testing report.
- Demonstrate the integrated systems to the City at final inspection.

Where a fire safety plan is required, the integrated testing plan and applicable test reports must also be included in the fire safety plan.

The City demonstration is not the integrated test itself. Testing must already be complete and identified deficiencies corrected before the City demonstration.

Final Demonstration

For complex projects, representatives of the applicable trades and registered professionals must be available to operate and demonstrate their systems. This may include electrical, fire alarm, sprinklers, HVAC/smoke control, plumbing, elevators and other systems involved in the integrated sequence of operation.

Scheduling

Contact the Building Official up to four weeks before the desired occupancy date to arrange the inspection. The Building Official will coordinate with Abbotsford Fire Rescue Services. The contractor or CRP is responsible for coordinating the required construction trades and design professionals.

Group inspections are typically scheduled Tuesday through Thursday at 1pm.