

## Engineered Life Safety Systems (2015 National Building Code of Canada)

Information and Drawing Requirements

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**Engineered Life Safety Systems** are fire protection and occupant safety systems designed and installed in conformance with Part 3 of the National Building Code of Canada (NBC).

These systems include, but are not limited to:

- Mechanical Systems – Commercial cooking ventilation systems, CO ventilation systems, etc.
- Electrical Systems – Fire alarm systems, voice communication systems, emergency lighting and power systems, etc.
- Fire Protection Systems – Sprinkler systems, Standpipe and hose systems, fire pump systems, etc.
- High Building Systems – Building occupant safety and firefighting systems, etc.

All engineered life safety systems designed in conformance with Part 3 of the National Building Code (NBC) shall be inspected by an engineer or architect licensed to practice in the province of Saskatchewan. The integration and functionality of these systems require a detailed inspection to ensure that the system installed functions in accordance with its intended design. The effective design and installation of these systems ensures occupant safety and property protection.

### Municipal Building Bylaw

49North requires an engineer or architect to submit a Commitment for Field Review Letter for Engineered Life Safety Systems in order to provide assurance to the designers, building owners and the Municipality that the systems are installed as designed.

### Submittal Requirements

A Commitment for Field Review letter shall be submitted when an engineer or architect is required to be involved in the design of any new engineered life safety systems and any alterations to existing systems. See Requirement for a Design Professional for additional details.

A Commitment for Field Review letter shall be submitted for each engineered life safety system associated with the building design. The engineer or architect shall complete the commitment letter for the systems that fall under their design scope i.e. the electrical engineer shall submit a commitment letter for the fire alarm system and emergency lighting and power system. The commitment letter shall be submitted for review prior to building permit approval.

An Assurance of Field Review and Compliance letter is to be submitted after the project is complete. This letter provides the assurance that the installation conforms to the intended design.