

## Section 3.2. Functional Statements

### 3.2.1. Functional Statements

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1) The objectives of this By-law are achieved by measures, such as those described in the acceptable solutions in Division B, that are intended to allow the *building* or its elements to perform the following functions (See Note A-3.2.1.1.(1).):

- F01** To minimize the risk of accidental ignition.
- F02** To limit the severity and effects of fire or explosions.
- F03** To retard the effects of fire on areas beyond its point of origin.
- F04** To retard failure or collapse due to the effects of fire.
- F05** To retard the effects of fire on emergency egress facilities.
- F06** To retard the effects of fire on facilities for notification, suppression and emergency response.
- F10** To facilitate the timely movement of persons to a safe place in an emergency.
- F11** To notify persons, in a timely manner, of the need to take action in an emergency.
- F12** To facilitate emergency response.
- F13** To notify emergency responders, in a timely manner, of the need to take action in an emergency.
- F20** To support and withstand expected loads and forces.
- F21** To limit or accommodate dimensional change.
- F22** To limit movement under expected loads and forces.
- F23** To maintain equipment in place during structural movement.
- F30** To minimize the risk of injury to persons as a result of tripping, slipping, falling, contact, drowning or collision.
- F31** To minimize the risk of injury to persons as a result of contact with hot surfaces or substances.
- F32** To minimize the risk of injury to persons as a result of contact with energized equipment.
- F33** To limit the level of sound of a fire alarm system.
- F34** To resist or discourage unwanted access or entry.
- F35** To facilitate the identification of potential intruders.
- F36** To minimize the risk that persons will be trapped in confined spaces.
- F40** To limit the level of contaminants.
- F41** To minimize the risk of generation of contaminants.
- F42** To resist the entry of vermin and insects.
- F43** To minimize the risk of release of hazardous substances.
- F44** To limit the spread of hazardous substances beyond their point of release.
- F46** To minimize the risk of contamination of potable water.
- F50** To provide air suitable for breathing.
- F51** To maintain appropriate air and surface temperatures.
- F52** To maintain appropriate relative humidity.
- F53** To maintain appropriate indoor/outdoor air pressure differences.
- F54** To limit drafts.
- F55** To resist the transfer of air through environmental separators.
- F56** To limit the transmission of airborne sound into a *dwelling unit* from spaces elsewhere in the *building* (See Sentence 3.1.1.2.(2) for application limitation).
- F60** To control the accumulation and pressure of water on and in the ground.
- F61** To resist the ingress of precipitation, water or moisture from the exterior or from the ground.
- F62** To facilitate the dissipation of water and moisture from the *building*.

- F63** To limit moisture condensation.
- F70** To provide potable water.
- F71** To provide facilities for personal hygiene.
- F72** To provide facilities for the sanitary disposal of human and domestic wastes.
- F73** To facilitate *access* to and in the *building* and its facilities by *persons with disabilities* (See Sentence 3.1.1.2.(3) for application limitation).
- F74** To facilitate the use of the *building's* facilities by *persons with disabilities* (See Sentence 3.1.1.2.(3) for application limitation).
- F75** To minimize obstacles for future modification to provide *access* (See Sentence 3.1.1.2.(4) for application limitation).
- F80** To resist deterioration resulting from expected service conditions.
- F81** To minimize the risk of malfunction, interference, damage, tampering, lack of use or misuse.
- F82** To minimize the risk of inadequate performance due to improper maintenance or lack of maintenance.
- F83** To control the amount of water a plumbing fixture will use.
- F84** To control the flow of water to a plumbing fixture or outlet.
- F85** To minimize thermal loss or gain.
- F86** To minimize the use of energy for building systems.
- F90** To limit the amount of uncontrolled air leakage through the *building* envelope.
- F91** To limit the amount of uncontrolled air leakage through system components.
- F92** To limit the amount of uncontrolled thermal transfer through the *building* envelope.
- F93** To limit the amount of uncontrolled thermal transfer through system components.
- F95** To limit the unnecessary demand and/or consumption of energy for heating and cooling.
- F96** To limit the unnecessary demand and/or consumption of energy for service water heating.
- F98** To limit the inefficiency of equipment.
- F99** To limit the inefficiency of systems.
- F100** To limit the unnecessary rejection of reusable waste energy.