

# 2012 OBC Changes

Summary of key changes to Life  
Safety and Fire Protection  
Systems for CFAA  
January 22, 2014

# Division B, Part 3

## 2012 OBC – New Sentence

### 3.2.4.2(6)

- *Buildings* interconnected by *walkways* permitted in Articles 3.2.3.19. and 3.2.3.20. or by vestibules provided in conformance with Article 3.2.6.3. shall be treated as separate *buildings* for the purpose of fire alarm installation required by this Subsection. (installation and continuity).

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- **Commissioning of Life Safety and Fire Protection Systems**
- **3.2.4.6.(1)** Where life safety and fire protection systems are installed to comply with the provisions of this Code or the Fire Code made under the *Fire Protection and Prevention Act, 1997*, the commissioning of these integrated systems must be performed as a whole to ensure the proper operation and inter-relationship between the systems.

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## ■ 3.2.4.8. Signals to Fire Department

- (1) If a fire alarm system is required to be installed and a single stage system is provided, the system shall be designed to notify the fire department in conformance with Sentence (4) that an *alarm signal* has been initiated in,
  - (a) a Group A *occupancy* having an *occupant load* more than 300,
  - (b) a Group B *occupancy*,
  - (c) a Group F, Division 1 *occupancy*,
  - (d) a *building* regulated by the provisions of Subsection 3.2.6.,
  - (e) a *building* containing *interconnected floor space* required to conform to Articles 3.2.8.3. to 3.2.8.11., or
  - (f) a retirement home regulated under the *Retirement Homes Act, 2010* that is a Group C *occupancy*.

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- **3.2.4.9.(2)**
- Required separate zone indication for:
  1. Fire extinguishing system required by NFPA 96
  2. Shafts required to be equipped with *fire detectors*

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- **3.2.4.10**
- Relocate provisions for electrical supervision of standpipe valves from 3.2.9.5
- Add monitoring of NFPA 20 fire pumps
- Add monitoring of power to heat trace cables. (standpipe rise, sprinkler line, exits and egress to exit to be kept free of snow and ice)

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- **3.2.4.12. Smoke and Heat Detectors**
- Smoke detector in elevator machine room or machinery space c/w recall
- Smoke detectors at *walkways* between buildings (3.2.3.19 & 3.2.3.20) and at vestibules connecting high buildings (3.2.6.3)
- Note – Smoke detectors as part of a hold open device to 3.1.8.12 are acceptable

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- **3.2.4.16**
- New appendix note clarifying the requirement for fire detectors in elevator and dumbwaiter shafts



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- **3.2.4.20.(1)**
- Alarm signals are required to be clearly audible throughout the floor area
- Alert signals are required to be clearly audible in continuously staffed locations, or throughout the floor area

# Division B, Part 3

- **3.2.4.22.(3) Smoke Alarms**

(a) each sleeping room, and

- (b) a location between the sleeping rooms and the remainder of the storey, and if the sleeping rooms are served by a hallway, the smoke alarm shall be located in the hallway.

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- **3.2.4.22.(5) Smoke Alarms** to be provided with a battery back-up.

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- **3.2.4.22.(6) & (7)** Smoke detector are permitted instead of smoke alarms if certain conditions are met such as part of fire alarm, capable of independently sounding an alarm within individual suites, etc.

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- **3.2.4.22.(10) & (11)** New requirements for manually operated silencing devices within dwelling units and suites of residential occupancy.

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- **3.2.4.22.(12)** Smoke alarms required to meet temporal patterns of alarm signals

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- **3.2.4.23. Voice Communication Systems**
- Except for B1 & F1 VCS is req'd for 2 stage FA and more than 1000 occ. load.
- VCS are also req'd to meet other requirements in 3.2.4.23.

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- **3.2.6.7.(2). Central Alarm and Control Facility**
  - (j) means for two-way communications with every elevator car,
  - (l) means to indicate audibly and visually, sprinkler and standpipe system supervisory signals and trouble signals,

# Division B, Part 3

- **3.2.6.8. Voice Communication System** (high buildings)
- Revised to clarify that only one voice communication system is permitted in a building

# Division B, Part 3

- **3.2.7. Lighting and Emergency Power Systems** (numerous changes)
  - **3.2.7.10. Protection of Electrical Conductors** –
    - › fire alarm, emergency lighting & equipment in high buildings.
    - › Emergency lighting in all buildings.
    - › Emergency equipment for special medical facilities regardless of building height.
    - › Fans for contained areas regardless of building height.
    - › Fire pumps for all buildings.
    - › Fans serving certain interconnected floor spaces.