

ONTARIO BUILDING CODE

3.4.6.19. Floor Numbering

- (1) Arabic numerals indicating the assigned floor number shall,
 - (a) be mounted permanently on each side of doors to exit stair shafts
 - (b) be not less than 60 mm (2³/₈ in) high, raised approximately 0.7 mm (0.028 in) above the surface,
 - (c) be located 1500 mm (4 ft 11 in) from the finished floor, and
 - (d) be contrasting in colour with the surface to which they are applied.
- (2) Upper case letters indicating the designation assigned to each exit stair shaft shall be mounted permanently on each side of doors to the exit stair shaft and shall,
 - (a) be not less than 60 mm (2³/₈ in) high, raised approximately 0.7 mm (0.028 in) above the surface,
 - (b) be located 1500 mm (4 ft 11 in) from the finished floor, and
 - (c) be contrasting in colour with the surface on which they are applied.

3.2.4.9. Annunciator and Zone Indication

- (2) Except as permitted by Sentence (6), the annunciator required by Sentence (1) shall have separate zone indication of the actuation of the alarm initiating devices in each,
 - (a) floor area so that in a building that is not sprinklered, the area of coverage for each zone is neither more than,
 - I. 1 storey, nor
 - II. 2000 m²,
 - (b) floor area so that in a building that is sprinklered, the area of coverage for each zone is neither more than,
 - I. 1 storey, nor
 - II. The system area limits as specified in NFPA 13, "Installation of Sprinkler Systems",
 - (c) Shaft required to be equipped with fire detectors,

- (d) Air handling system required to be equipped with smoke detectors,
- (e) Fire extinguishing system required by NFPA 96, "Ventilation Control and Protection of Commercial Cooking Operations",
- (f) Contained use area,
- (g) Impeded egress zone,
- (h) Fire compartment required in sentence 3.3.3.5.(2), and
- (i) Fire compartment required to be separated by vertical fire separations having a fire resistance rating not less than 2 h, other than dwelling units described in Subsection 3.3.4.

OBJECTIVE

The objective of this Builders Tip is to have the floor, stair, fire alarm and elevator numbering system consistent with each other to avoid confusion.

Floor Number - Buildings incorporating an exit stair shaft require the floor number to be mounted on each side of the door. The arabic number, ie, 1, 2, 3, etc. must be raised to be identified by touch and be of contrasting colour to offer maximum colour contrast for the visually-impaired. White on black or black on white is recommended. The use of Ground Floor designation must be replaced with the arabic number 1.

Exit Stair Shaft Designation - Buildings incorporating an exit stair shaft require the exit stair to be designated on each side of the door. The upper case letter, ie, A, B, must be raised to be identified by touch and be of contrasting colour to offer maximum colour contrast for the visually-impaired. White on black or black on white is recommend.

Fire Alarm Zone Indication - The zones for each floor must be identical to the floor numbering mounted on each side of the door. For example, fire alarm zone '5th floor' corresponds with the raised numeral (5) mounted on the door where the fire alarm detection device was initiated.

The zones for the each exit stair shaft must be identical to the stair designation mounted on each side of the door. For example, fire alarm zone 'Stair B' corresponds with the raised upper case letter mounted on the door for the smoke detector activated in the exit stair shaft. Fire alarm control panels not incorporating a graphic layout must be include the compass point direction in brackets. For example, fire alarm zone 'Stair B' (North)

Builder Tip

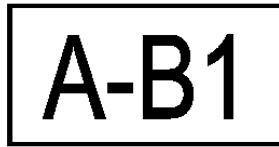
FLOOR NUMBERING

Elevator Floor Numbering - The floor numbering system for the buttons in the elevator cabs should correspond with the floor numbering of the exit stair shafts and the fire alarm zone indication, but is not a Building Code requirement. For example, elevator button number 5 will stop at the floor with numeral 5 on the exit stair shaft door and when the pull station adjacent to the exit stair shaft door is activated zone '5th floor' is in an alarm condition on the fire alarm control panel.

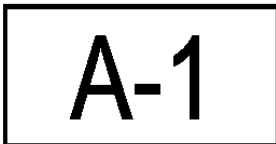
SIGN EXAMPLES



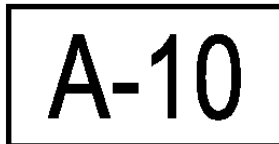
PARKING LEVELS



BASEMENT LEVELS



FIRST FLOOR



OTHER FLOORS