



Welcome to the BCBC 2018 Update Sessions

Session 2.4

Parts 3 and 9 Means of Egress

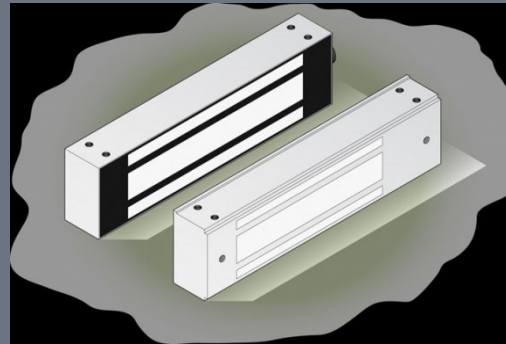
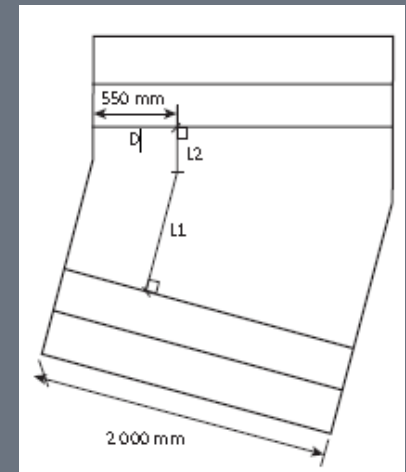
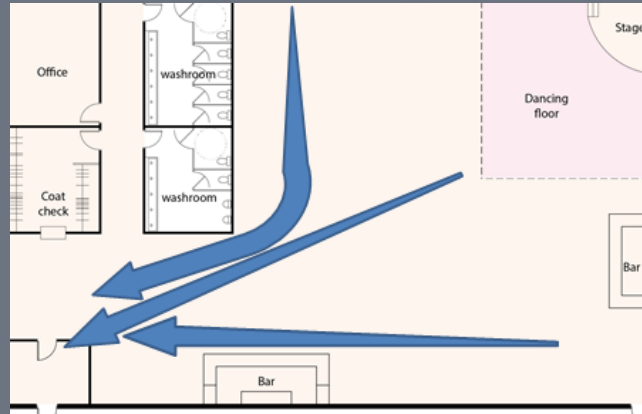
Specific To

Exit routes

Emergency Exit

Electromagnetic locks

Landing dimensions





BOABC Presentation Changes

British Columbia **BUILDING CODE 2018**



://www.saikuz.co

The BOABC have made some changes to this presentation to provide information that is specific to the BC Building Code.

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Means of egress

National Building Code Part 3

Author: Marc Fortin,
Codes Canada

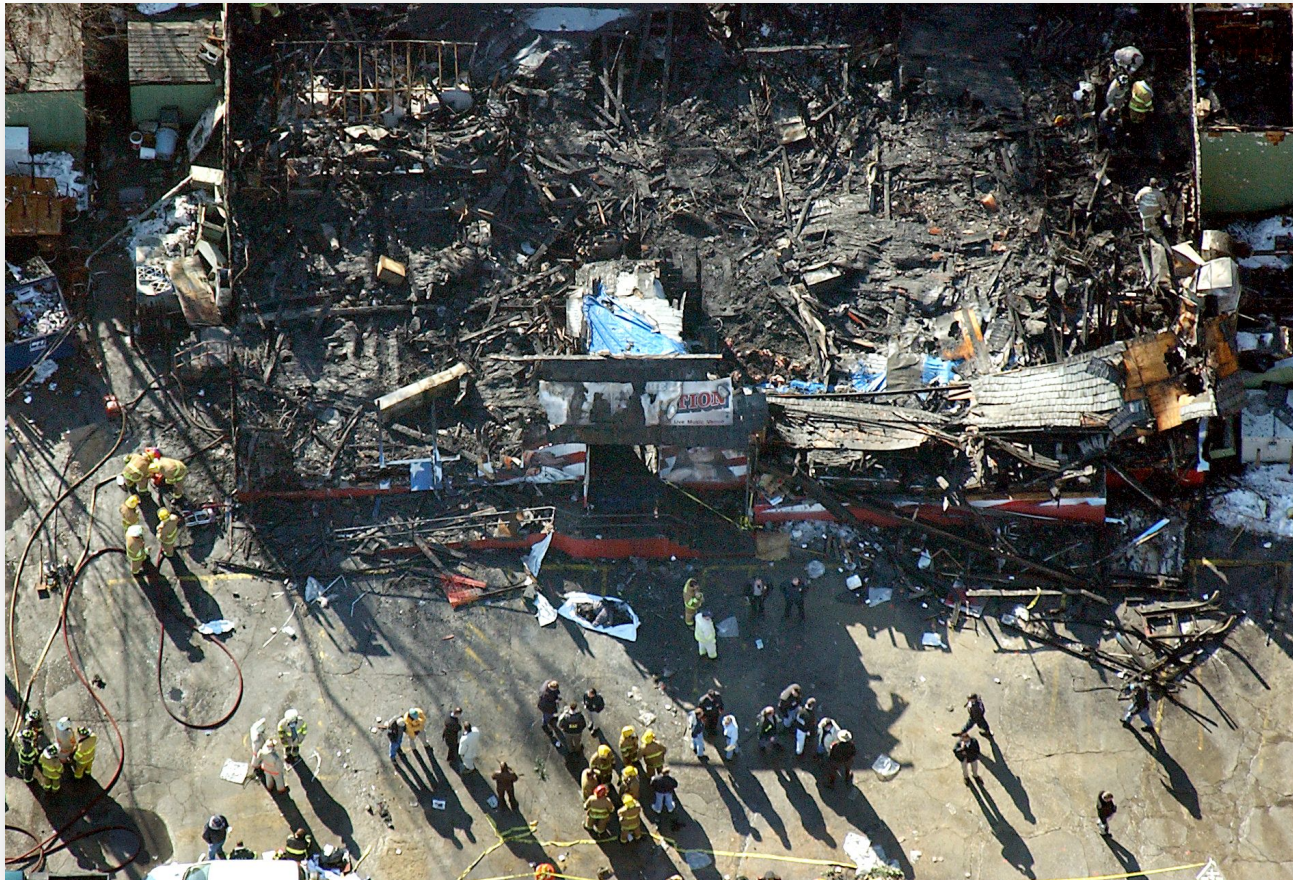


Outline

- › Exit route
 - › Crossover access
 - › Emergency exits & signs
 - › Electromagnetic locks
 - › Landing dimensions
 - › Other changes
-
- › **Handbook:**
 - **Part 3: pages 13-16**
 - **Part 9: pages 50, 56**

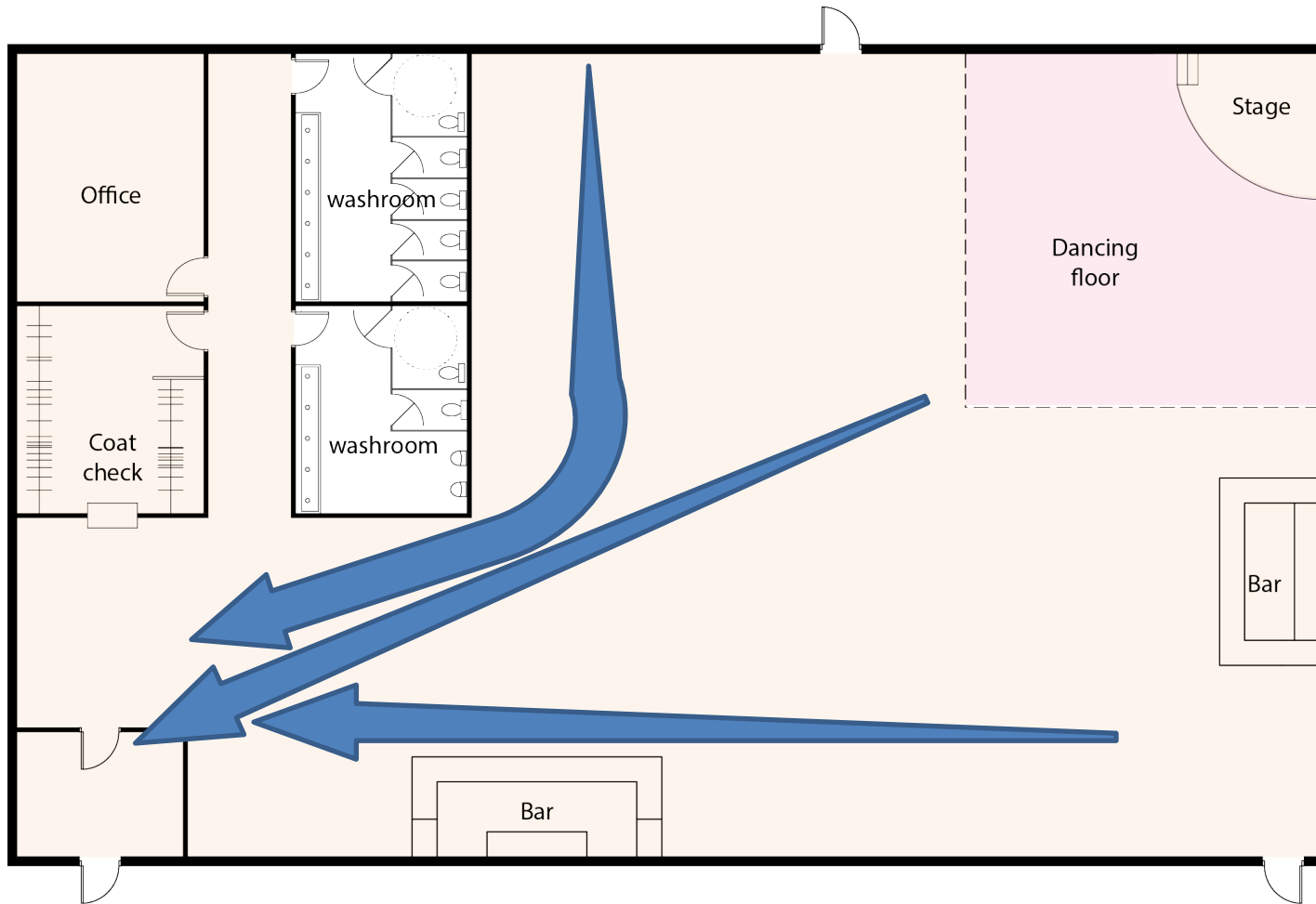


Exit capacity for nightclubs



Exit capacity for nightclubs

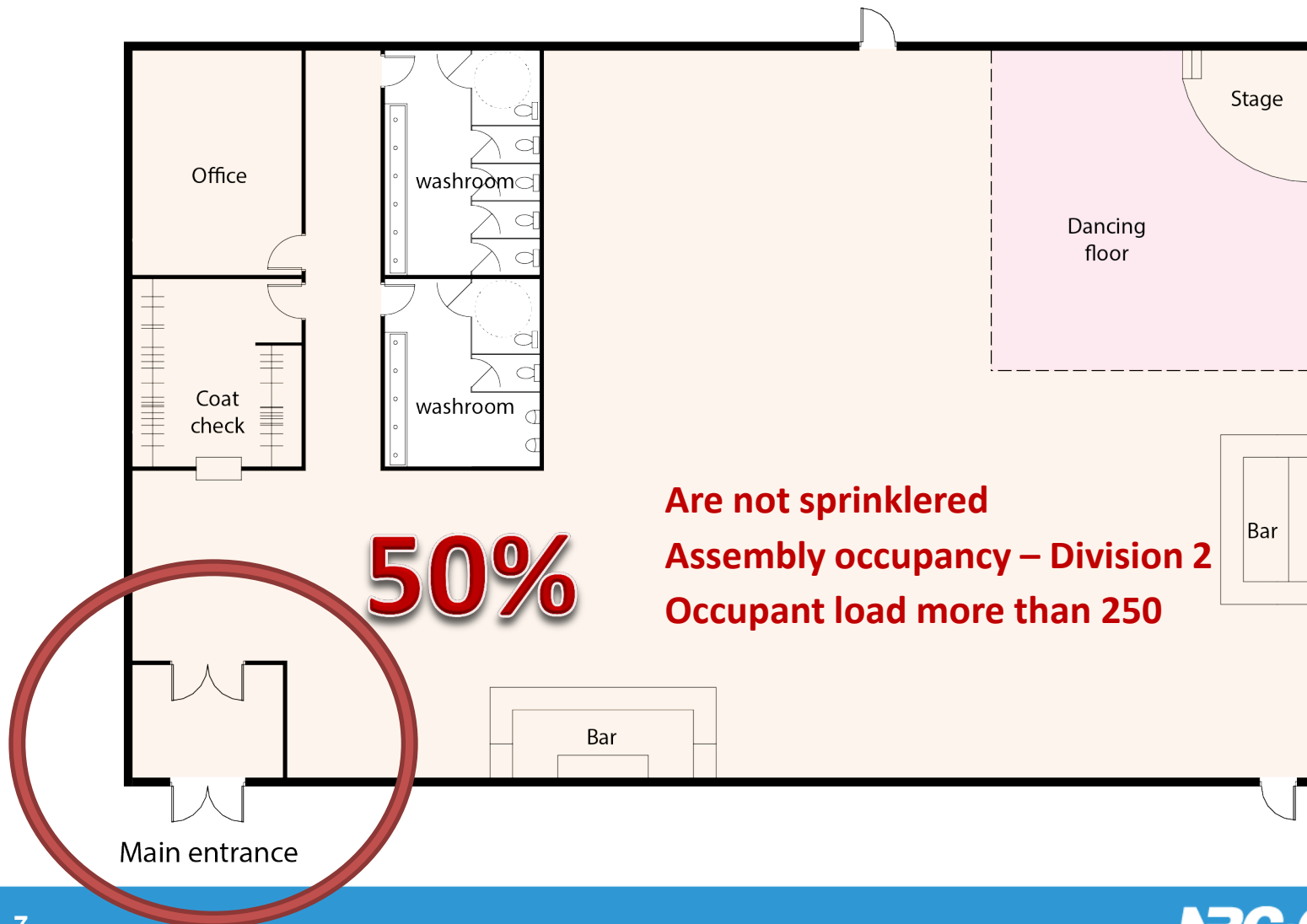
3.3.1.17.(6) and 3.4.2.6.(2)



Main entrance

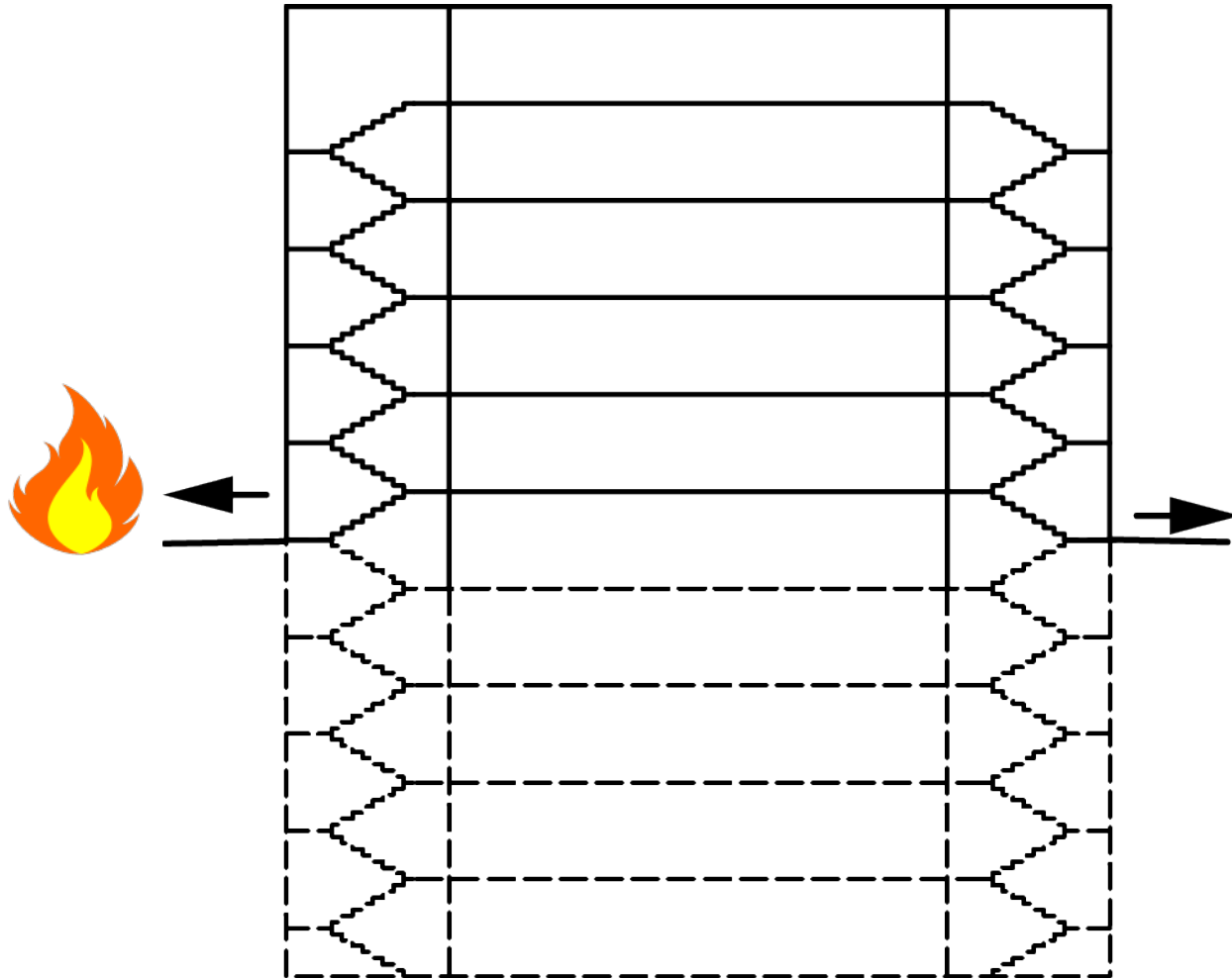
Exit capacity for nightclubs

3.3.1.17.(6) and 3.4.2.6.(2)



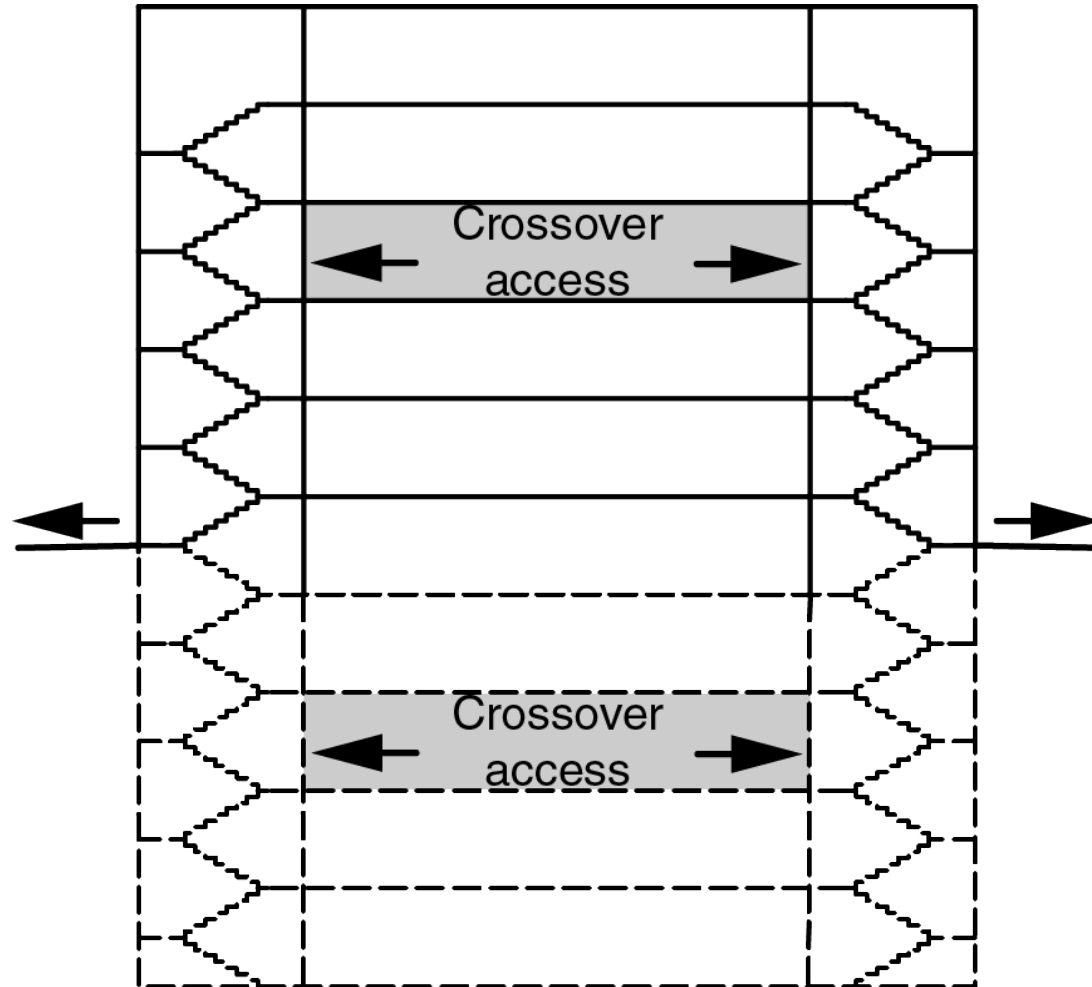
Crossover access

3.4.6.18



Crossover access

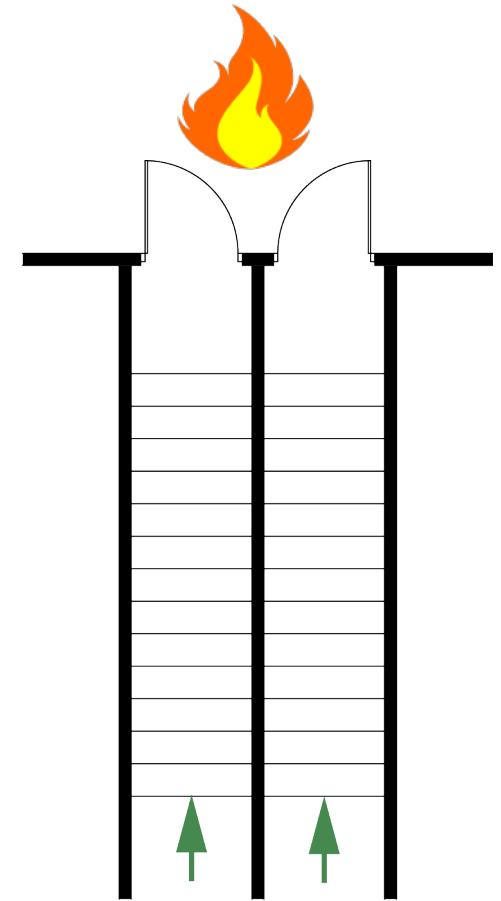
3.4.6.18



Remoteness of exit discharges

3.4.2.3 and 9.9.8.4

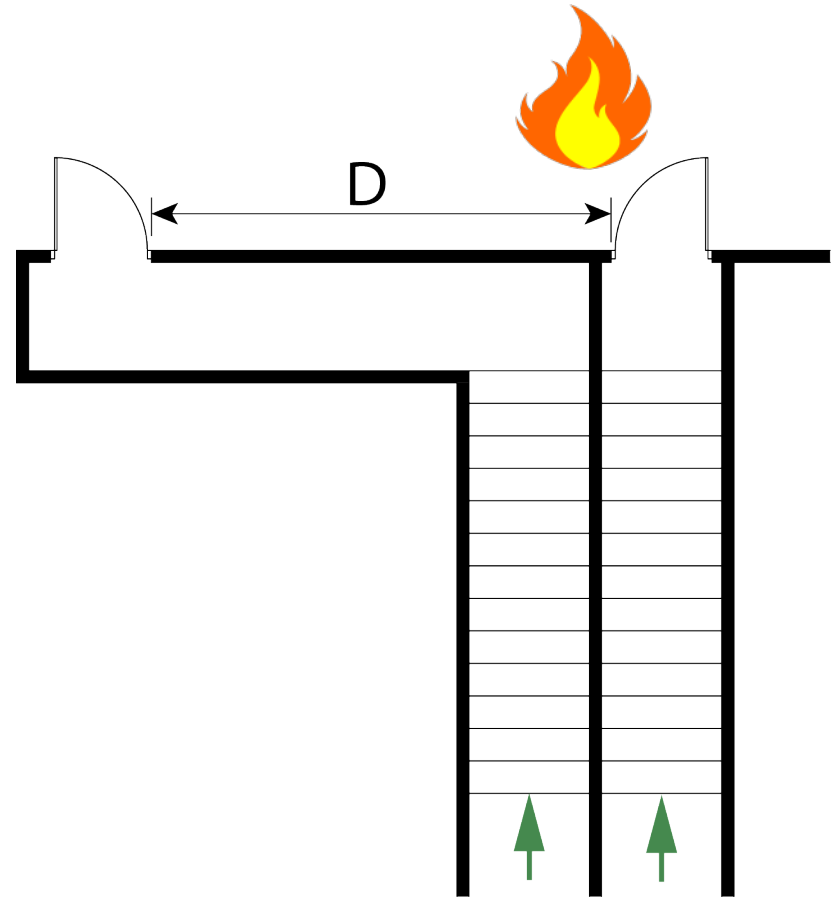
- Minimum distance between two discharge exit doors



Remoteness of exit discharges

3.4.2.3

- Minimum distance between two discharge exit doors





Other changes to Safety within Floor Areas

- **3.3.1.14.(2) and Note A-3.3. Egress from Service Spaces,** Sentence restructured so ramps and stairways are not permitted exemptions from 3.4 if serving exits
- **3.3.1.19. Transparent Doors and Panels**
 - Regulates the minimum height of vision glass in glazed doors
- **3.3.1.11.(5) and 3.4.6.12.(2) Sliding Doors**
 - Permits doors serving storage suites not $> 28 \text{ m}^2$ to have doors that do not swing on a vertical axis 3.3.1.11.(5)
 - Exception for exit door swing for storage garages or accessory buildings serving not more than one dwelling unit 3.4.6.12.(2)



Other Changes to Safety within Floor Areas

3.3.1.7. Protection on Accessible Floor Areas

- (1)(b) Clarifies that the floor area on either side of a horizontal exit is permitted to be considered as a zone for the application of 3.3.1.7
- (5) New Sentence permits accessible floor area on either side of horizontal exits, conforming to 3.4.6.10 to be considered a separate fire zone

3.3.1.13.(1)(d) Threshold at Doorways

- New Clause allows higher door threshold where required for spill containment of flammable liquids within a service room or industrial occupancy, or where provided at balconies other than those for barrier-free access

3.4.6.11.(2) Threshold at Doorways

- New Sentence to limit the threshold height in an exit doorway to **13 mm** except if required to confine spillage of flammable liquids within a service room or industrial occupancy

Signs prohibiting obstruction 3.4.6.11 and 9.9.11.2





Visibility of Exits – Obstructions

9.9.11.2

3.4.6.11

Where an exit door leading directly to the outside is subject to being obstructed by parked vehicles or storage because of its location, the following shall be installed on the exterior side:

- A visible sign or
- A physical barrier





Exit signs and Markings

3.4.5.1 and 9.9.11.3

- **EXIT Signs** require that a running man pictogram be used for all Exit signs
- (2) Comply with **ISO 7010 Standard**
- (3) Internally illuminated exit signs shall be continuously illuminated
- Note that 9.9.11.3.(3) is NOT an exception to 9.9.11.3.(2) but an additional requirement





Emergency Lighting

3.2.7.3.(1)

Emergency lighting shall be provided in:

3.2.7.3.

- (1) (k) Food preparation areas in commercial kitchens, and
- (1) (l) **Public Washrooms**
serving more than one person at a time

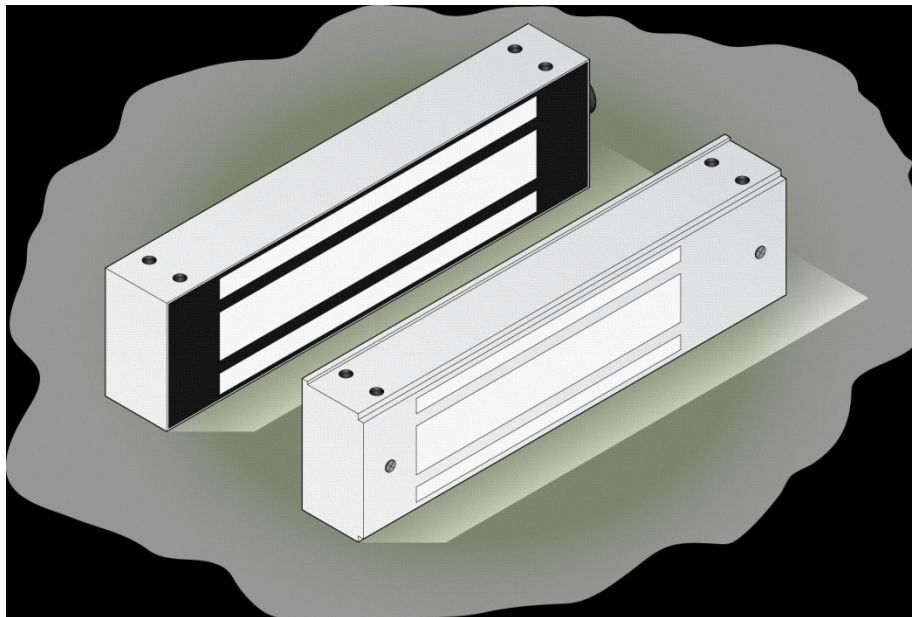


Electromagnetic locks

Access-to-exit doors 3.3.1.13

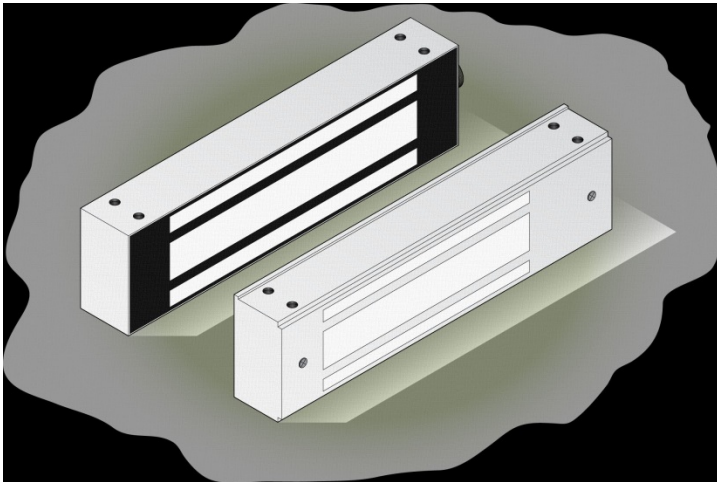
3.3.1.13 and 3.4.6.16

- Allowed on both access-to-exit and exit doors
- Cumulative release time ≤ 15 seconds



Exit controls in care and treatment facilities

- Without the 15-second delay
- Must release upon many conditions

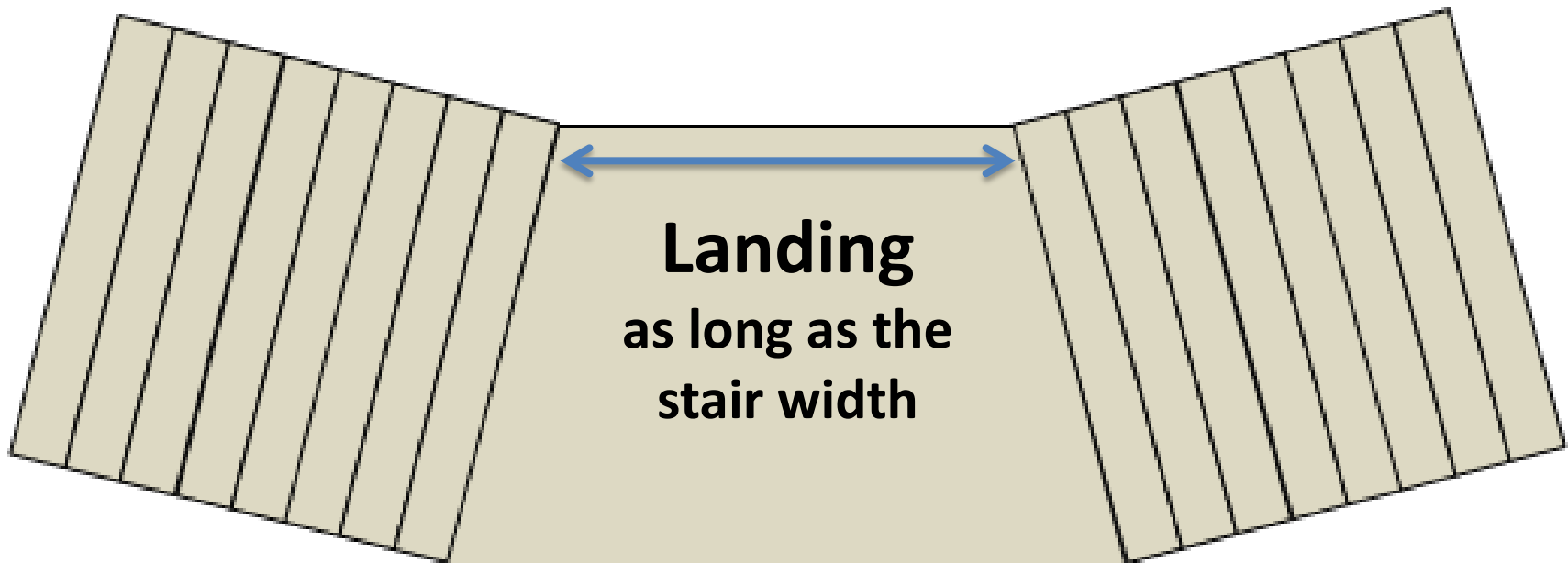


Dimensions of turning landing

Previous Code

3.4.6.4

- Length and width of landing required to be at least the width of the stairway.

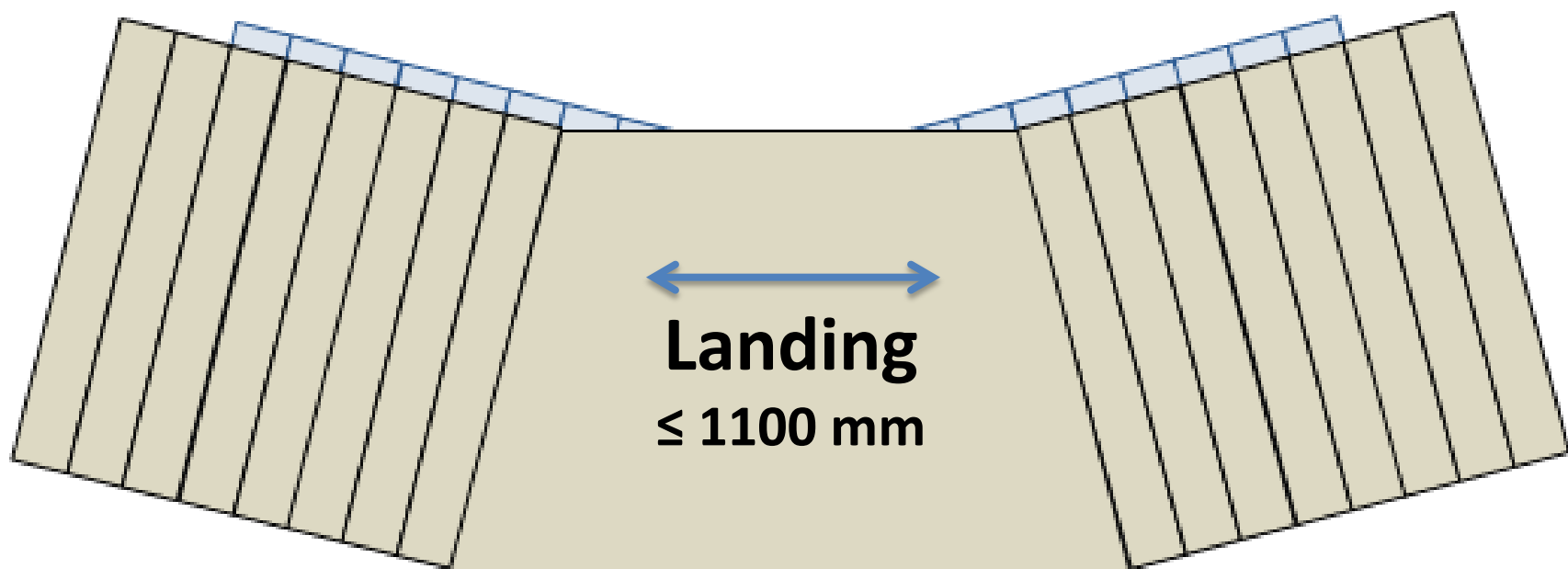


Dimensions of turning landing

Current Code

3.4.6.4

- New measuring method
- Reduced the length of the landing



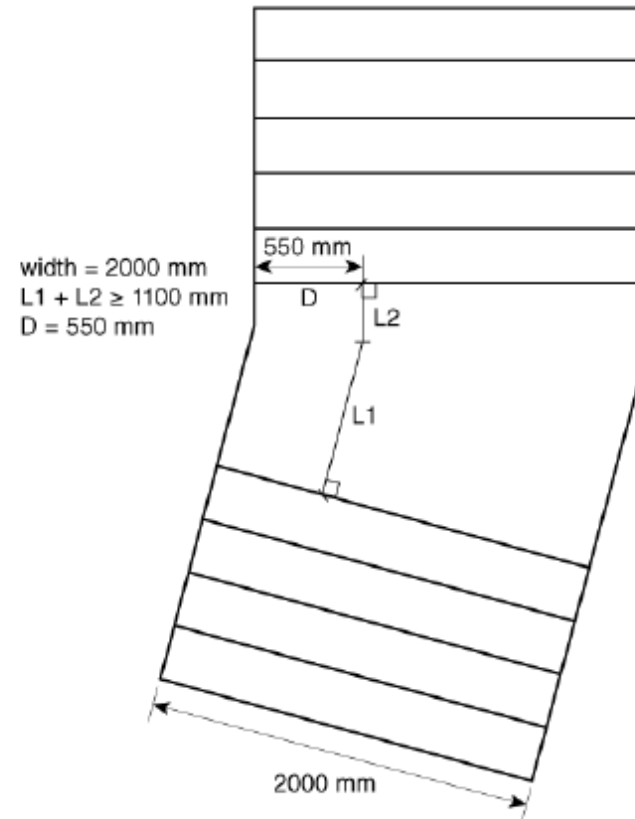


Landings

9.8.6.3

Dimension of Landings

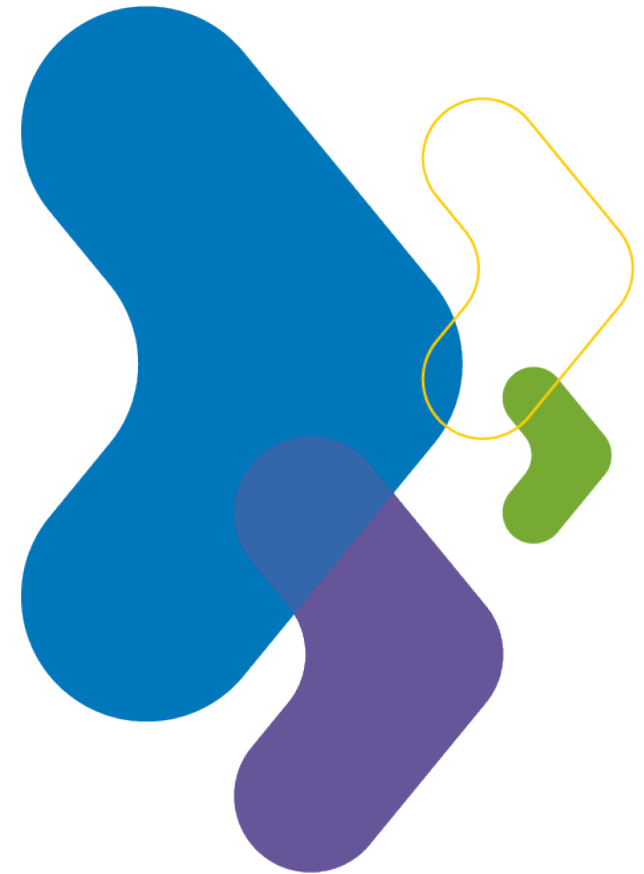
- Except where the landing turns 90 degrees or more, the length of the landing need not be more than the lessor of the required width of the stair or 1100 mm
- Measured perpendicular to the nosings



$L1 + L2$ = required length of the landing
 D = half the required length of the landing

Takeaways

- Exit capacity of the main entrance of assembly occupancies
- Crossover access
- Protection of exterior discharge of exit
- Electromagnetic locks in care residences
- Landings



Thank you