

Ontario Building Code (OBC)

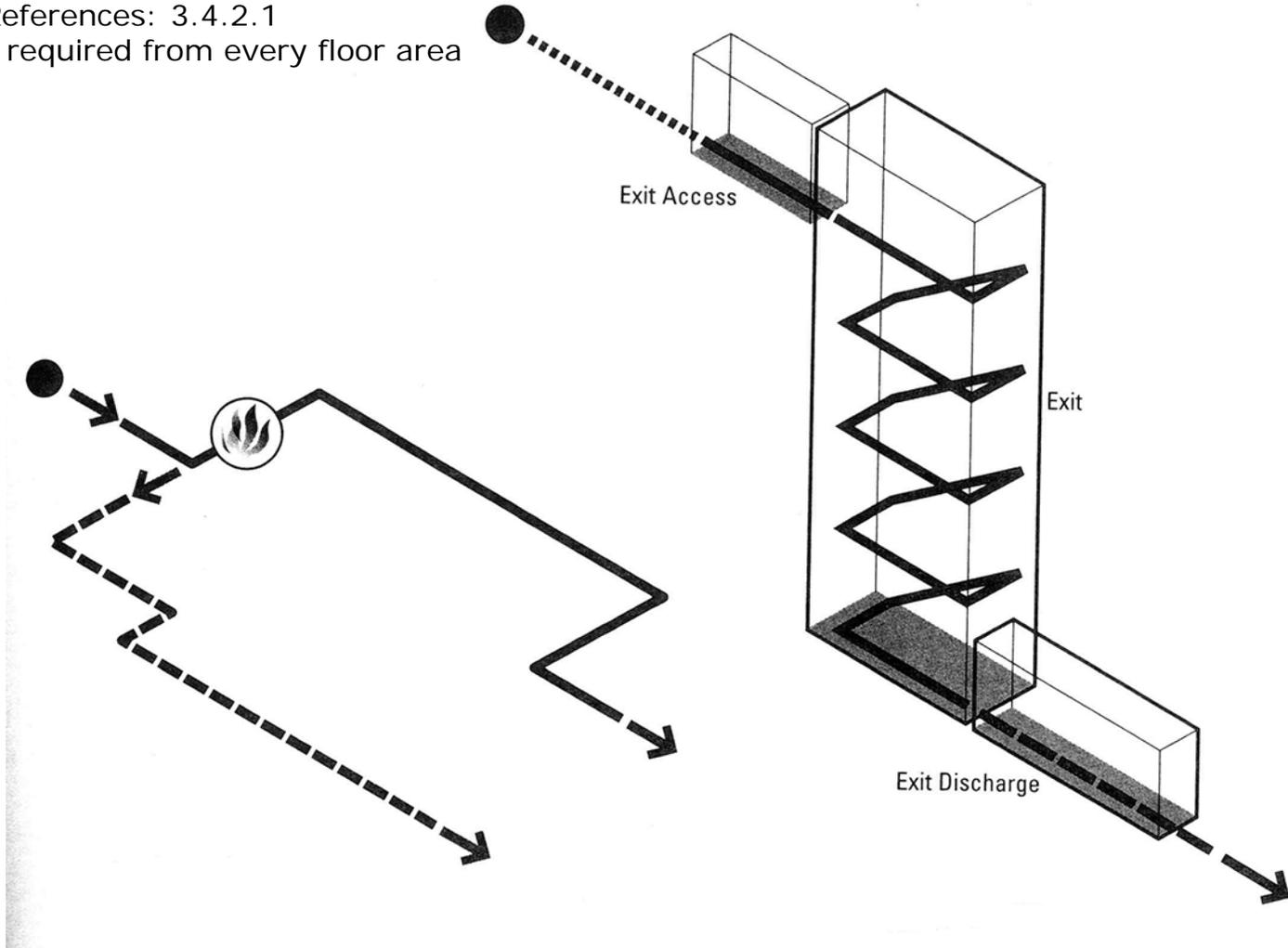
1. Minimum Number of Exits
2. Minimum Distance Between Exits
3. Maximum Travel Distance to Exit
4. Exiting Rooftops
5. Exiting Suites
6. Dead-end Corridors
7. Door Swing Direction
8. Fire Rating of Exits: Stairs and Corridors
9. Exit Width Reduction
10. Interconnected Floor Spaces
11. Exiting Through Lobbies
12. Barrier-free Design

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1. Minimum Number of Exits

- i) Code References: 3.4.2.1
- ii) 2 exits required from every floor area

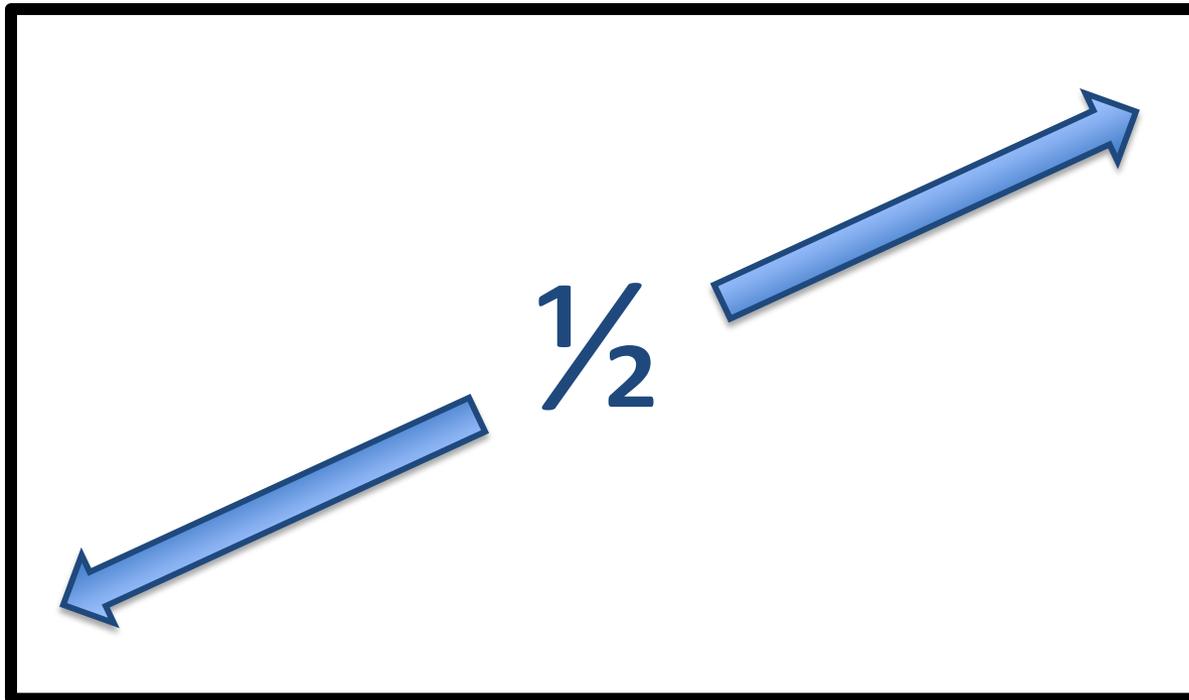


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2. Minimum Distance Between Exits

- i) Code References: 3.4.2.3.(1)(a) & (b)
- ii) no corridor? 1/2 diagonal dim but not < 9M
- iii) with a corridor? need not be >9M

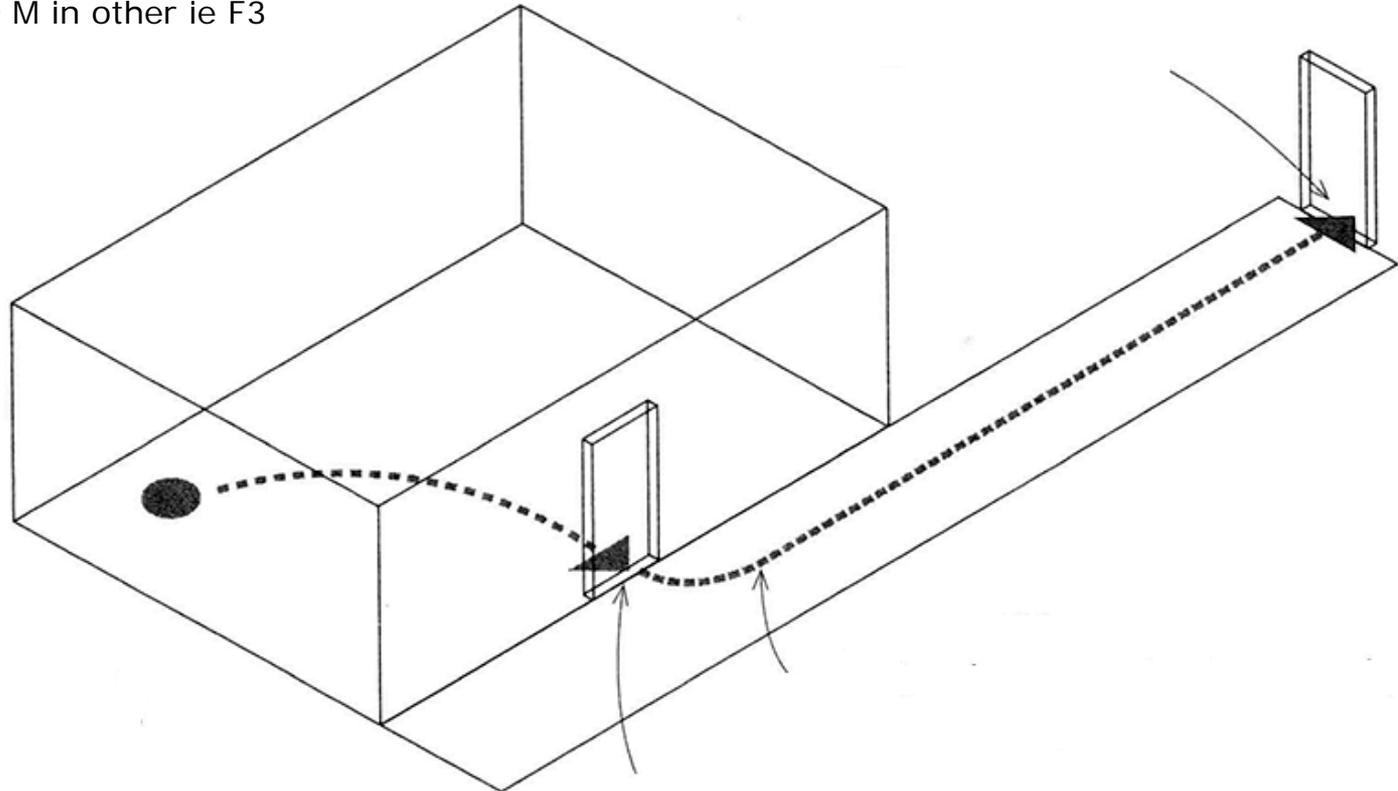


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3. Maximum Travel Distance to Exits (Location)

- i) Code References: 3.4.2.5.(1): Location of Exits
- ii) (b) 45 M if sprinklered
- iii) (c) 30 M group E
- iv) (f) 30 M in other ie F3



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4. Exiting Rooftops

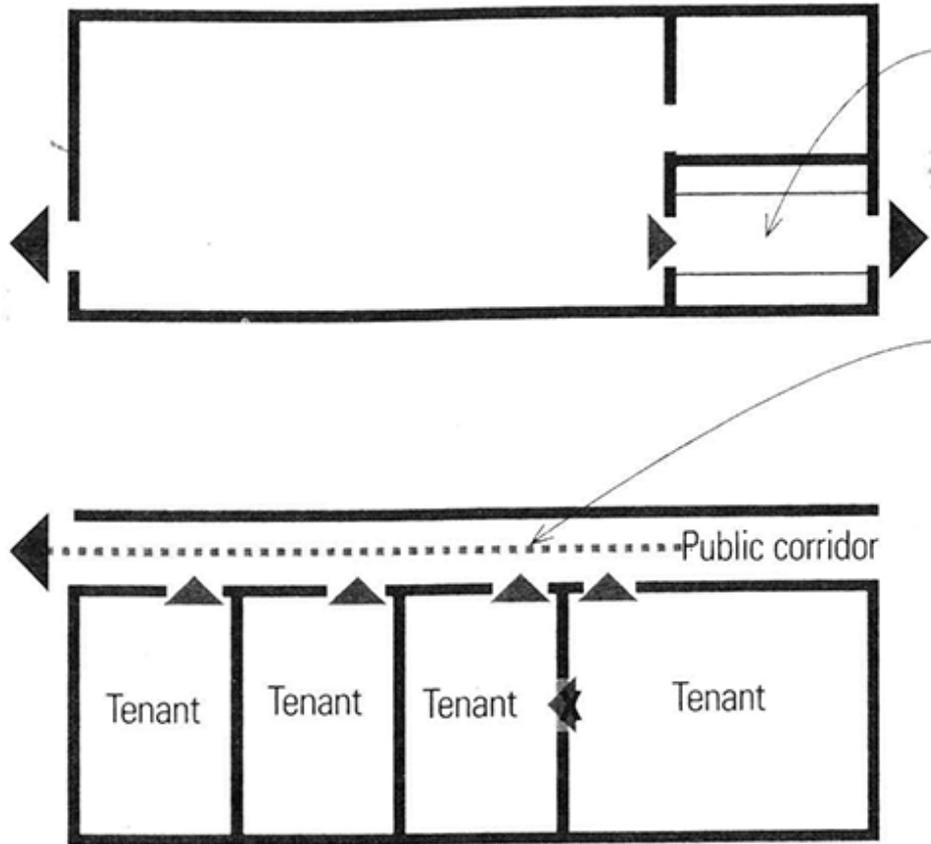
- i) Code References: 3.3.1.3.(3)-(6)
- ii) Exit required if occupied, 2 exits if occ load over 60 or area over 200m²

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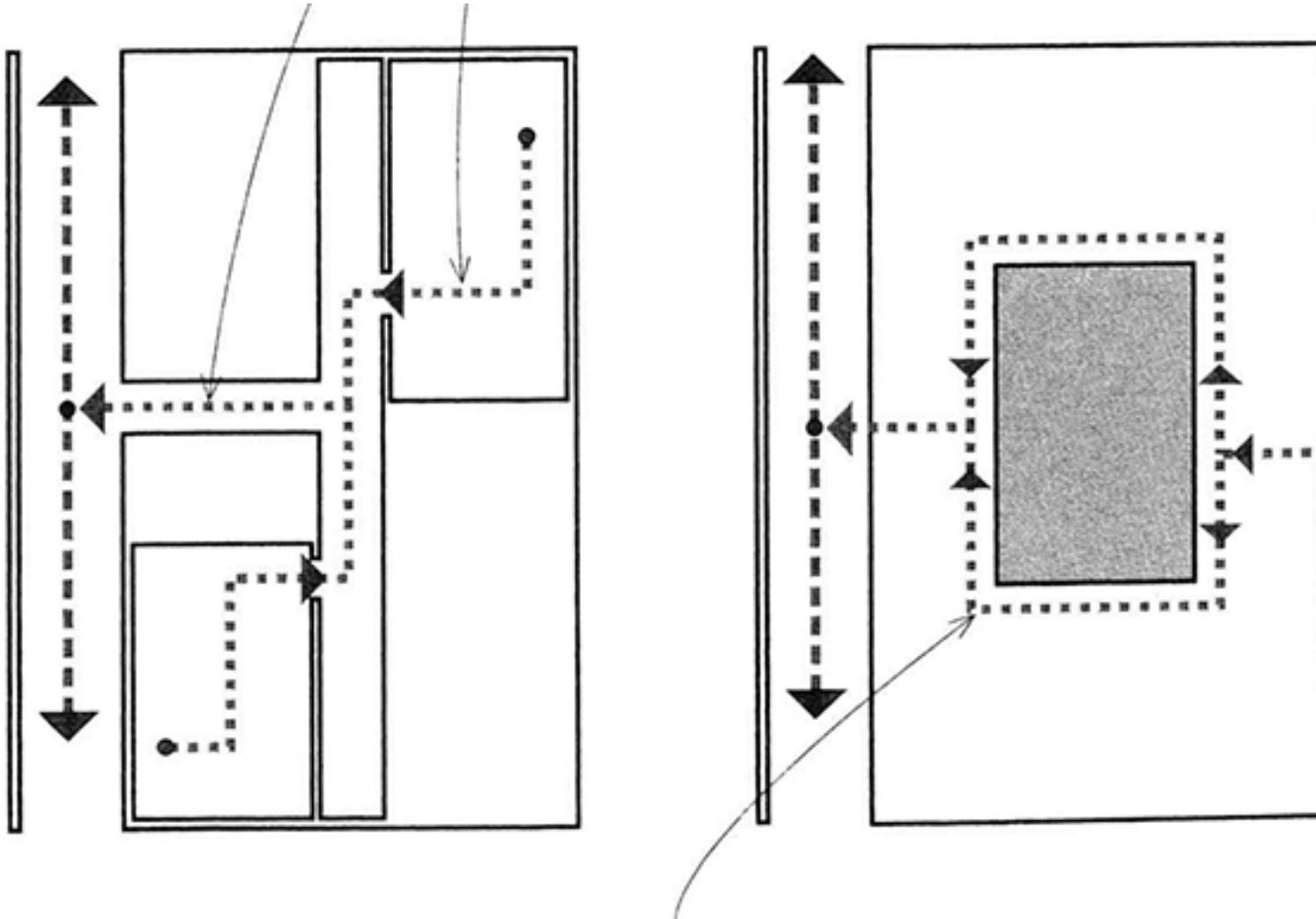
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5. Exiting Suites

- i) Code References: 3.3.1.5.(1), 3.3.1.6.
- ii) Two exits is occ load more than 60 or follow chart.
- iii) Travel distance must conform to 3.4.2.4.(1)



5. Exiting Suites



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6. Dead-end Corridors

- i) Code References: 3.3.1.9.(12)
- ii) < 30 people
- iii) < 9M long
- iv) self closing doors

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7. Door Swing Direction

- i) Code References: 3.3.1.10.
- ii) Doors must swing in direction of path of travel if serves more than 60 people.

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8. Fire-rating of Exits: Stairs and Corridors

- i) Code References: 3.4.4.1. & 3.3.1.4.
- ii) = to floor but not less than 45 min or more than 2hrs
- iii) 1 HR unless flr 45min then 45min

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10. Interconnected Floor Spaces

- i) Code References: 3.2.8.2.(6)(a), (b), & (c)
- ii) 1st storey + one above or below
- iii) sprinklered
- iv) group d okay

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11. Exiting Through Lobbies

- i) Code References: 3.4.4.2.(2)(a) – (f)
- ii) (a) only one allowed
- iii) (a) lobby <4.5 M above grade
- iv) (b) path < 15 M
- v) (c) access from adj. occ not C of F
- vi) (d) interconnected spaces 3.2.8.2.(6) is exit ie separations
- vii) (e) no service rooms open to lobby, if sprinklered no separation rating required to lobby
- viii) (f) separation req'd between lobby and exit

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i) Do we need it for this project? (2015 CHANGE!)

3.8.2.1. Areas Requiring Barrier-Free Path of Travel

(1) Except as permitted by Sentence (3), a barrier-free path of travel from the entrances required by Sentences 3.8.1.2.(1) and (3) to be barrier-free shall be provided,

(a) throughout the entrance storey,

(b) except as permitted by Sentence (2), to and throughout all normally occupied floor areas and rooftop amenity spaces, and

(c) throughout all normally occupied floor areas and rooftop amenity spaces that,

(i) are exempt from the application of Clause (b), and

(ii) are served by a passenger elevator, escalator, inclined moving walk, or other platform equipped passenger elevating device.

12. Barrier-free Design

ii) Exceptions: (2015 CHANGES!)

(2) A barrier-free path of travel described in Clause (1)(b) is not required to extend,

(a) to floor areas or portions of floor areas containing a Group B, Division 2 or 3 occupancy that are not required by Article 3.5.2.1. to be connected by a ramp or served by an elevator,

(b) to Group C or Group D occupancies that are in floor areas in a building that,

(i) is three or fewer storeys in building height, and

(ii) has a building area not exceeding 600 m²,

(c) to Group F, Division 2 or 3 occupancies that are not required by Sentence 3.8.2.2.(1) to be served by an elevator,

(d) to portions of restaurants and licensed beverage establishments where the same amenities and uses are provided on other floor areas that have a barrier-free path of travel, or

(e) to portions of child care facilities that have all entrance doors at floor levels that do not have a barrier-free path of travel.

12. Barrier-free Design

ii) Exceptions (continued): (2015 CHANGES!)

(3) A barrier-free path of travel described in Sentence (1) is not required to extend,

(h) to portions of a floor area with fixed seats in an assembly occupancy where these portions are not part of the barrier-free path of travel to,

(i) spaces designated for wheelchair use,

(ii) seats designated for adaptable seating, or

(iii) spaces for the storage of wheelchairs and mobility assistive devices,

(i) to suites of residential occupancy that are in storeys other than the entrance storey and that have all entrance doors at floor levels that are not required to have a barrier-free path of travel,

(j) except as required by Sentence (5), on the inside of a suite of residential occupancy, or

(k) to portions of a floor area that are not at the same level as the entry level, provided amenities and uses provided on any raised or sunken level are accessible on the entry level by means of a barrier-free path of travel.

12. Barrier-free Design

ii) Exceptions (continued): (2015 CHANGES!)

(3) A barrier-free path of travel described in Sentence (1) is not required to extend,

(a) into service rooms,

(b) into elevator machine rooms,

(c) into janitors' rooms,

(d) into service spaces,

(e) into crawl spaces,

(f) into attic or roof spaces,

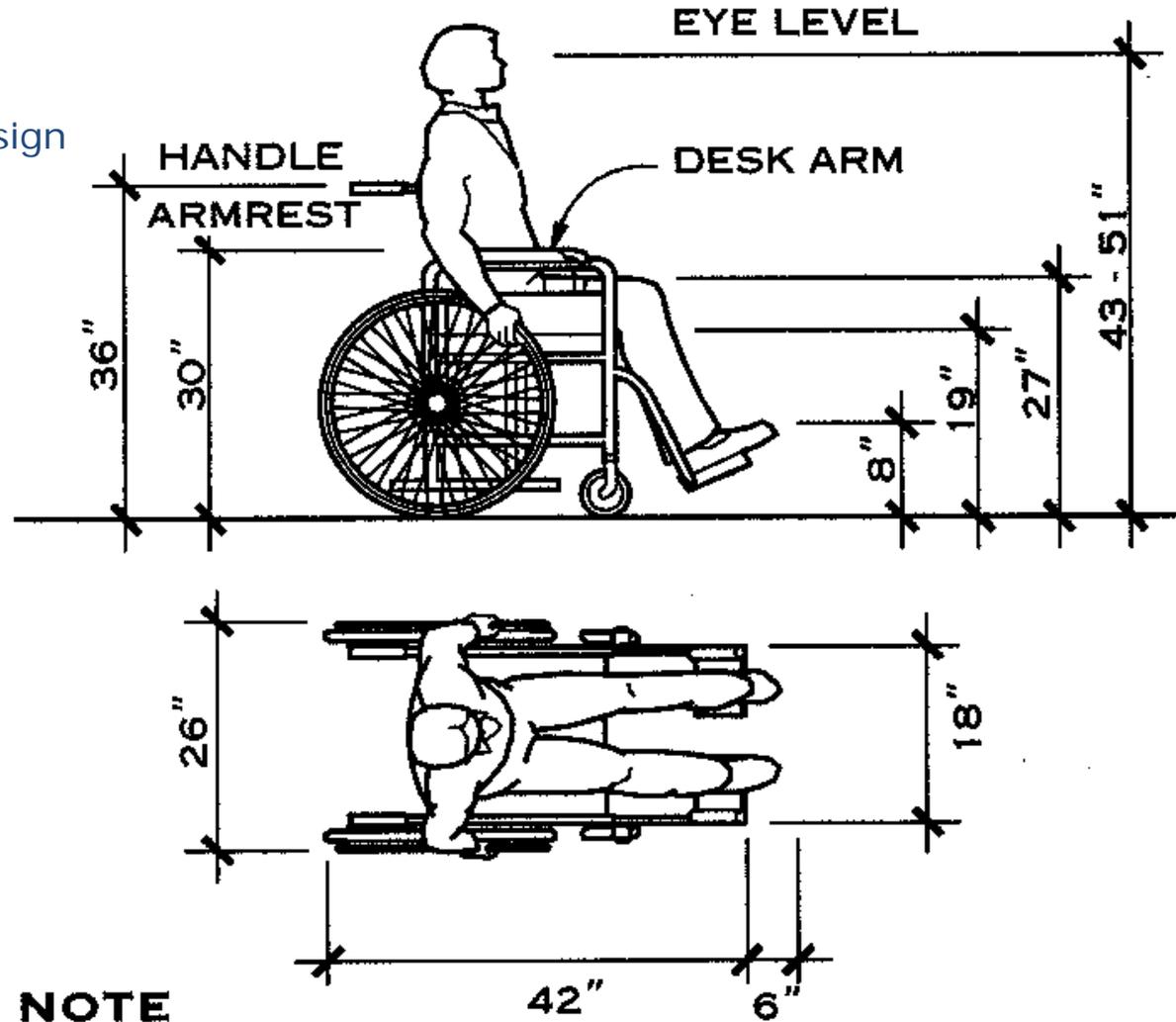
(g) into high hazard industrial occupancies,

12. Barrier-free Design

iii) Design guidelines

- Unobstructed width: 1100mm (3.8.1.3.(1)).
- 3.8.3 contains design standards for various components: doorways/doors, exterior walks, ramps, washroom fixtures.
- Exterior walks → slope of 1:20 maximum.
- Ramps → slope of 1:12 maximum.

12. Barrier-free Design



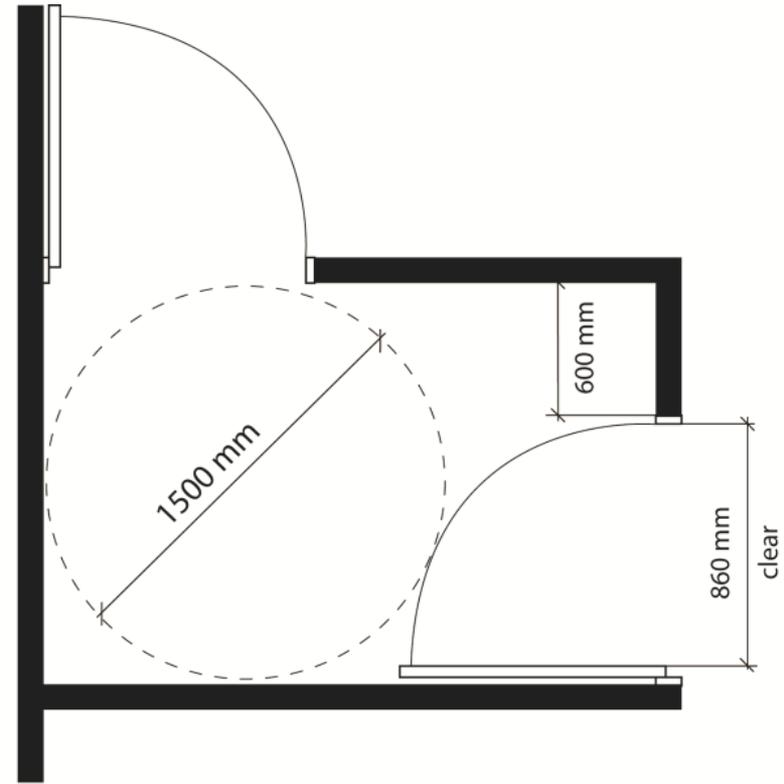
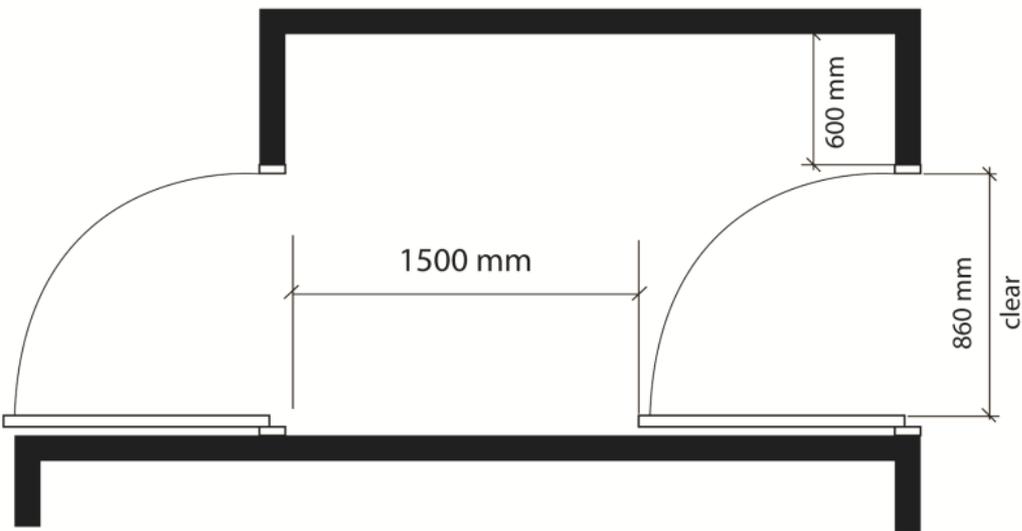
NOTE

Footrest may extend further for tall people.

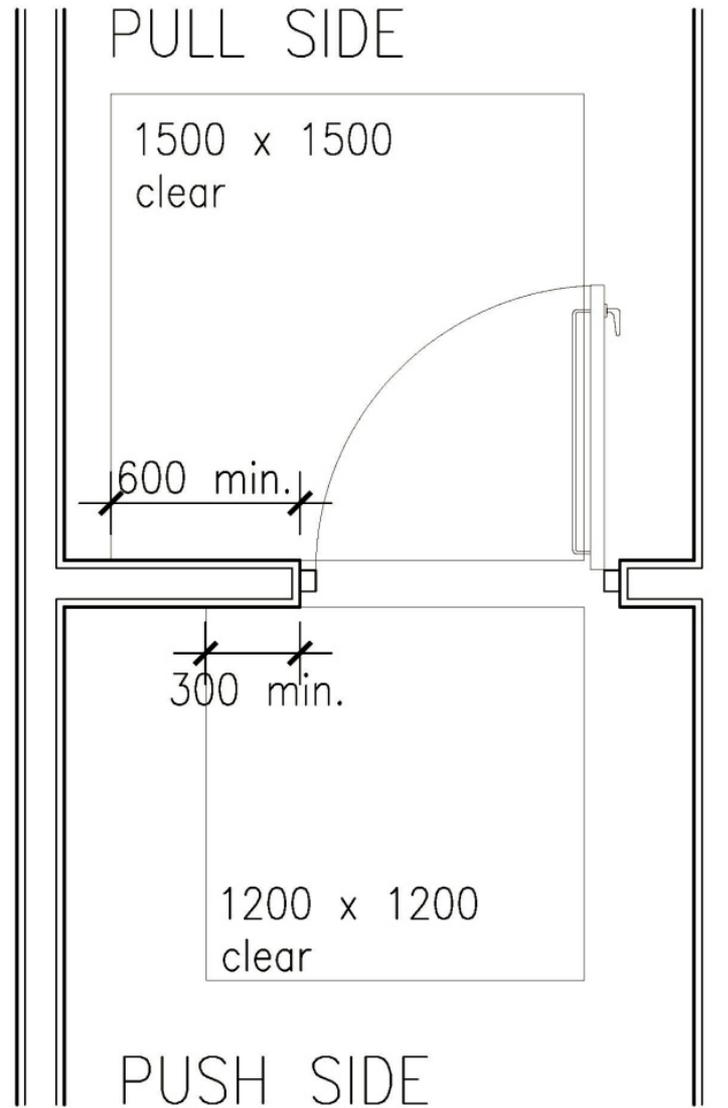
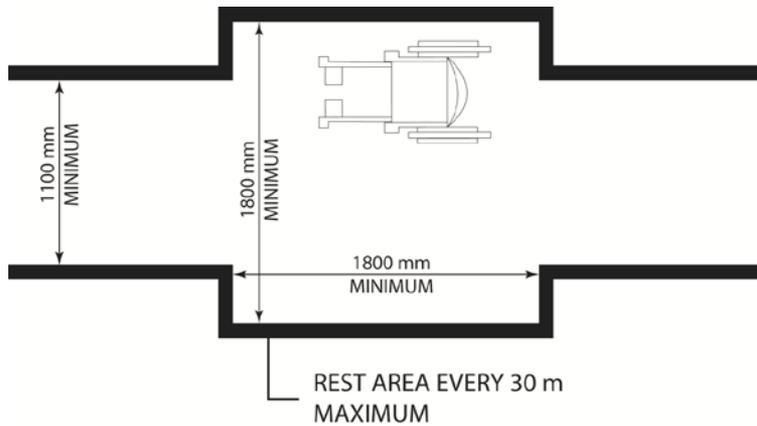
STANDARD WHEELCHAIR DIMENSIONS

24"

12. Barrier-free Design



12. Barrier-free Design



12. Barrier-free Design

