



**County of San Diego  
Planning & Development Services  
BUILDING DIVISION**

ACCESSIBILITY CORRECTION LIST Multifamily Housing	<b>8A</b>
<b>Elevators and Platform Lifts</b>	

RECORD ID:	OWNER ON APPLICATION:
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**SCOPING**

- Elevators provided in covered multifamily dwellings or accessory common-use facilities shall be accessible and on an accessible route.  
**Exception:** Private elevator serving an individual dwelling unit  
CBC 1124A.1 and CBC 1124A.2
- Note on plans: "All elevators shall comply with ASME A17.1, Safety Code for Elevators and Escalators."  
CBC 1124A.1

**ELEVATOR CARS**

- Elevator interior dimensions and door clear width shall comply with CBC Table 1124A.3.2.

**TABLE 1124A.3.2  
ELEVATOR CAR DIMENSIONS**

DOOR LOCATION	MINIMUM DIMENSIONS			
	DOOR CLEAR WIDTH	INSIDE CAR, SIDE TO SIDE	INSIDE CAR, BACK WALL TO FRONT RETURN	INSIDE CAR, BACK WALL TO INSIDE FACE OF DOOR
<i>Centered</i>	42 inches (1067 mm)	80 inches (2032 mm)	51 inches (1295 mm)	54 inches (1372 mm)
<i>Side (off-centered)</i>	36 inches (914 mm) <sup>2</sup>	68 inches (1727 mm)	51 inches (1295 mm)	54 inches (1372 mm)
<i>Any</i>	36 inches (914 mm) <sup>2</sup>	54 inches (1372 mm)	80 inches (2032 mm)	80 inches (2032 mm)
<i>Any</i>	36 inches (914 mm) <sup>2</sup>	60 inches (1524 mm) <sup>2</sup>	60 inches (1524 mm) <sup>2</sup>	60 inches (1524 mm) <sup>2</sup>

1. A tolerance of minus 5/8 inch (15.9 mm) is permitted.  
2. Other car configurations that provide a turning space complying with Section 1138A.1.3 with the door closed shall be permitted.

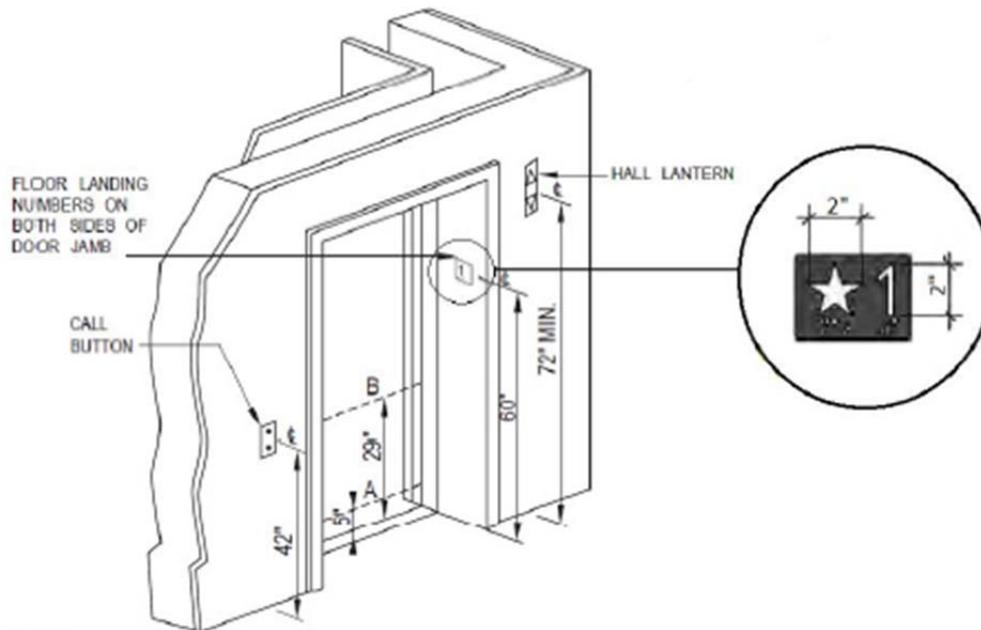
CBC 1124A.3.2

- Specify door reopening devices at automatic doors complying with the following:
  - Capable of sensing an object or person in path of closing door at nominal 5 inches and 29 inches above floor
  - Do not require contact for activation
  - Remain effective for not fewer than 20 secondsCBC 1124A.9
- Detail doorjamb marking complying with the following at each lobby elevator hoistway entrance per CBC Figure 11A-7C:
  - Indicating respective floor number
  - Located on both sides of door and visible from within elevator car
  - Located per the following:
    - o Minimum 48 inches from finish floor or ground surface to baseline of lowest line of Braille
    - o Maximum 60 inches from finish floor or ground surface to baseline of highest line of raised characters
  - Floor numbers designated by raised characters minimum 2-inches high on contrasting background and otherwise complying with item 25
  - Grade level designated by raised five-pointed star with 2-inch (absolute) outside diameter placed to left of floor-designation number on contrasting background and otherwise complying with item 25
  - Corresponding Braille per item 26 beneath raised characters

**THIS DOCUMENT IS FOR PLAN REVIEW ONLY.  
CORRECTION LIST ITEMS AND FIGURES MAY NOT BE REPRODUCED OR COPIED ON PLANS.  
IF CONFLICTS EXIST BETWEEN CODE TEXT AND FIGURES, THE CODE TEXT SHALL GOVERN.**

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**NOTE:**  
 THE AUTOMATIC DOOR REOPENING DEVICE IS ACTIVATED IF AN OBJECT PASSES THROUGH EITHER LINE A OR LINE B. LINE A AND LINE B REPRESENT THE VERTICAL LOCATION OF THE DOOR REOPENING DEVICE NOT REQUIRING CONTACT.

**FIGURE 11A-7C  
 HOISTWAY AND ELEVATOR ENTRANCES**

CBC 1124A.8

**6. Specify the following at elevator landings:**

- Self-leveling feature automatically positioning elevator car platform flush with lobby landings within +/- 1/2-inch tolerance
- Maximum 1-1/4-inch clearance between elevator car platform sill and hoistway landing edge
- Minimum 5-foot-candle illumination at car/landing threshold

CBC 1124A.5 and CBC 1124A.10

**ELEVATOR CAR CONTROLS AND INDICATORS**

**7. Dimension floor buttons complying with the following:**

- Maximum 48 inches above elevator car platform surface where only front approach allowed
- Maximum 54 inches above elevator car platform surface where parallel approach allowed

CBC 1124A.3.3.1

**8. Specify floor buttons shall include visual indicators showing when each call is registered and extinguishing when each call is answered.**

CBC 1124A.3.3.1

**9. Dimension elevator emergency controls – including emergency stop and alarm – complying with the following:**

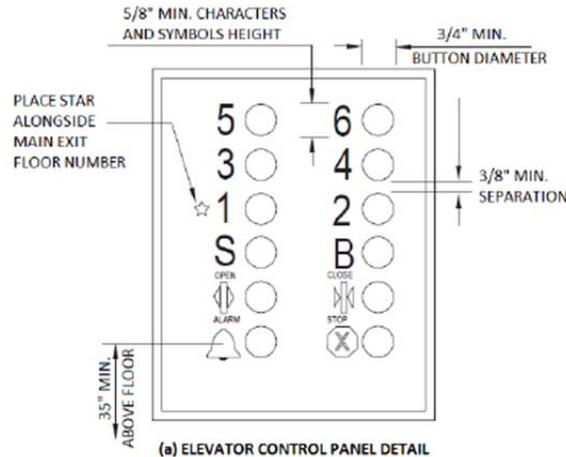
- Minimum 35 inches above elevator car platform surface
- Grouped near bottom of floor-button panel

CBC 1124A.3.3.1

**10. Detail car control and emergency buttons complying with following per CBC Figure 11A-7B(a):**

- Minimum 3/4-inch-diameter control buttons raised 1/8 inch +/- 1/32 inch above surrounding surface
- Illuminated control buttons with square shoulders and activated by detectable mechanical motion
- Minimum 3/8-inch clear space or separation between rows of control buttons
- Raised characters per the following:
  - o Located immediately to left of control buttons
  - o White on black background
  - o Otherwise complying with item 25
- Raised symbols per the following:
  - o Provided for controls and emergency equipment including – but not limited to – “door open,” “door close,” “alarm bell,” “emergency stop,” and “telephone”
  - o Five-pointed star at call button for main entry floor
  - o Located immediately to left of control buttons
  - o White on black background
  - o Otherwise complying with item 25

- ❑ Corresponding Braille per item 26 beneath raised characters and symbols



(a) ELEVATOR CONTROL PANEL DETAIL  
**FIGURE 11A-7B**  
**ELEVATOR CONTROL PANEL**

CBC 1124A.3.3.2

- When an emergency telephone system is installed, specify and dimension elevator emergency telephone handset complying with following:
  - ❑ Positioned maximum 48 inches above platform surface
  - ❑ Handset cord minimum 29 inches long
  - ❑ Designated by raised telephone symbol per item 25
  - ❑ Corresponding Braille per item 26 beneath raised symbol
  - ❑ Lever-type hardware for door to any telephone compartment
  - ❑ Emergency intercommunication shall not require voice communication

CBC 1124A.3.4

**ELEVATOR LOBBY CONTROLS AND INDICATORS**

- Detail lobby call buttons complying with the following:
  - ❑ Located within CBC 1138A.3 reach ranges, measured to the centerline of the highest operable part
  - ❑ Minimum 3/4-inch-diameter buttons raised 1/8 inch +/- 1/32 inch above surrounding surface
  - ❑ Button designating up direction on top
  - ❑ Internally illuminated with white light over entire button surface
  - ❑ Visual indication provided when each call registered and extinguished when answered
  - ❑ No objects adjacent to and below call buttons projecting more than 4 inches from wall

CBC 1124A.4

- Specify visual and audible signals at each lobby hoistway entrance complying with the following:
  - ❑ Minimum 2-1/2-inch-high by 2-1/2-inch-wide lanterns signifying up and down directions
  - ❑ Lanterns preferably arrow-shaped
  - ❑ Lanterns visible from proximity of lobby call buttons, whether on wall or elevator car doorjamb
  - ❑ Centerline of lanterns minimum 72 inches above lobby floor
  - ❑ Audible signal sounding once for up direction and twice for down direction or verbal annunciators stating “up” or “down”
  - ❑ Audible signals shall have maximum 1500 Hz frequency
  - ❑ Verbal annunciators shall have minimum 300 Hz and maximum 3000 Hz frequency

CBC 1124A.6

**ELEVATOR LANDING TWO-WAY COMMUNICATION**

- Specify two-way communication system at elevator landings on each accessible floor one or more stories above or below story of exit discharge.
 

**Exception:** Landing served by area of refuge with two-way communication

**Exception:** Floor provided with exit ramp

CBC 1007.8

- Specify two-way communication system complying with the following between required location and fire command center or central control point approved by fire department:
  - ❑ If central control point not constantly attended, system shall have timed automatic telephone dial-out capability to monitoring location or 911
  - ❑ Communication system with both audible and visible signals

CBC 1007.8.1

16. Specify posting of the following information adjacent to two-way communication system:

- Directions for use of system
- Instructions for summoning assistance via system
- Written identification of location

*CBC 1007.8.2*

## AREAS OF REFUGE

17. Identify on plans an area of refuge at each elevator provided as an accessible means of egress per CBC 1007.

**Exception:** Elevators in buildings with automatic sprinkler system

**Exception:** Elevators without protected shaft enclosures as allowed per CBC 708.2

*CBC 1007.4 and CBC 1007.6*

18. Locate and dimension each area of refuge to comply with the following:

- Location on accessible route from space served
- Maximum travel distance from space served per CBC 1016
- Accommodates one wheelchair space for every 200 occupants served, but not fewer than two wheelchair spaces
- Each wheelchair space minimum 30-inches by 48-inches
- Access to any wheelchair space not obstructed by more than one adjoining wheelchair space
- Wheelchair spaces do not reduce required egress width

*CBC 1007.6*

19. Where elevator lobby used as area of refuge, detail smokeproof enclosure assembly for shaft and lobby.

**Exception:** Elevator within area of refuge formed by horizontal exit or smoke barrier

*CBC 1007.6*

20. Detail smoke barrier per CBC 710 or horizontal exit per CBC 1025 between each area of refuge and remainder of story.

*CBC 1007.6.2*

21. Specify two-way communication system provided per items 15 and 16 within each area of refuge and also including the following:

- Accessible button provided within area of refuge activating lights in both area of rescue and control point indicating rescue requested
- Button provided at control point activating lights in both area of rescue and control point indicating request received

*CBC 1007.6.3 and CBC 1007.8.1.1*

22. Provide sign per the following at door accessing area of refuge:

- Visual characters stating "AREA OF REFUGE" per item 24
- Including International Symbol of Accessibility
- Illuminated where exit sign illumination required
- Raised characters per item 25
- Corresponding Braille per item 26

*CBC 1007.9*

23. Specify instructions displayed per item 16 adjacent to two-way communication system including the following for use under emergency conditions:

- Visual characters per item 24
- Directions to locate other accessible means of egress
- Directions to persons able to use exit stairway to do so as soon as possible unless assisting others
- Information on planned availability of assistance in supervised operation of elevator and how to summon such assistance
- Directions for use of two-way communication system

*CBC 1007.10 and CBC 1007.11*

## SIGNAGE

24. Visual characters on signage shall comply with the following:

- Located minimum 40 inches above finished floor
- Characters and background with non-glare finish
- Characters contrasting with background, either light characters on dark background or dark characters on light background
- Text shall be in a horizontal format
- Line spacing between baselines of separate character lines at minimum 135% and maximum 170% of character height
- Characters shall be uppercase or lowercase or a combination of both
- Characters shall be conventional in form – i.e., not italic, oblique, script, highly decorate, or of other unusual form
- Character font with uppercase letter "O" width minimum 60% and maximum 110% uppercase letter "I" height
- Characters with stroke thickness of uppercase letter "I" minimum 10% and maximum 20% character height
- Characters spaced with closest points of adjacent character minimum 10% and maximum 35% of character height
- Character height sized according CBC Table 1143A.5 and based on uppercase letter "I"

**TABLE 1143A.5  
VISUAL CHARACTER HEIGHT**

<b>HEIGHT TO FINISH FLOOR FROM BASELINE OF CHARACTER</b>	<b>HORIZONTAL VIEWING DISTANCE</b>	<b>MINIMUM CHARACTER HEIGHT</b>
40 inches (1016 mm) to less than or equal to 70 inches (1778 mm)	Less than 72 inches (1829 mm)	$\frac{5}{8}$ inch (15.9 mm)
	72 inches (1829 mm) and greater	$\frac{5}{8}$ inch (15.9 mm), plus $\frac{1}{8}$ inch (3.2 mm) per foot (305 mm) of viewing distance above 72 inches (1829 mm)
Greater than 70 inches (1778 mm) to less than or equal to 120 inches (3048 mm)	Less than 180 inches (4572 mm)	2 inches (51 mm)
	180 inches (4572 mm) and greater	2 inches (51 mm), plus $\frac{1}{8}$ inch (3.2 mm) per foot (305 mm) of viewing distance above 180 inches (4572 mm)
Greater than 120 inches (3048 mm)	Less than 21 feet (6401 mm)	3 inches (76 mm)
	21 feet (6401 mm) and greater	3 inches (76 mm), plus $\frac{1}{8}$ inch (3.2 mm) per foot (305 mm) of viewing distance above 21 feet (6401 mm)

CBC 1143A.5

**25. Raised characters on signage shall comply with the following:**

- Characters minimum 5/8-inch and maximum 2-inches high based on height of uppercase letter “I”
- Characters raised minimum 1/32 inch
- Text in horizontal format
- Characters sans serif and uppercase
- Width of uppercase letter “O” minimum 60% and maximum 110% height of uppercase letter “I”
- Stroke thickness of uppercase letter “I” maximum 15% height of character
- Spacing between individual raised characters per the following:
  - o Where characters have rectangular cross sections, minimum 1/8 inch and maximum 4 times raised character stroke width
  - o Where characters have non-rectangular cross sections, minimum 1/16 inch and maximum 4 times raised character stroke width at base of cross sections and minimum 1/8 inch and maximum 4 times raised character stroke width at top of cross sections
- Spacing between baselines of separate lines of raised characters of minimum 135% and maximum 170% of raised character height
- Characters separated minimum 3/8 inch from raised borders and decorative elements

CBC 1143A.6

**26. Braille on signage shall comply with the following:**

- Contracted (Grade 2)
- Braille flush left or centered and placed minimum 3/8 inch and maximum 1/2 inch below raised characters or symbols
- Braille in horizontal format
- When raised characters are multilined text, all Braille placed together below all raised text lines
- Dots domed or rounded with dimensions per CBC Table 1143A.7.1

**TABLE 1143A.7.1 BRAILLE DIMENSIONS**

<b>MEASUREMENT RANGE</b>	<b>MINIMUM IN INCHES MAXIMUM IN INCHES</b>
Dot base diameter	0.059 (1.5 mm) to 0.063 (1.6 mm)
Distance between two dots in the same cell <sup>1</sup>	0.100 (2.5 mm)
Distance between corresponding dots in adjacent cells <sup>1</sup>	0.300 (7.6 mm)
Dot height	0.025 (0.6 mm) to 0.037 (0.9 mm)
Distance between corresponding dots from one cell directly below <sup>1</sup>	0.395 (10 mm) to 0.400 (10.2 mm)

1. Measured center to center.

CBC 1143A.7

**PLATFORM/WHEELCHAIR LIFTS**

**27. Platform/wheelchair lifts may be provided between levels – in lieu of passenger elevators – when the travel distance between landings complies with the following:**

- Maximum 5-feet vertical distance for unenclosed lifts
- Maximum 14-feet vertical distance for enclosed or partially enclosed lifts
- Maximum 45-degree travel angle for incline lifts

CBC1124A.11.1 and ASME A18.1

**28. Platform lifts shall be located on an accessible route.**

CBC 1124A.11.3

29. Platform lifts may be used as an accessible means of egress only when provided with standby power or self-rechargeable battery power adequate to operate all lift functions for minimum five upward and downward trips  
CBC 1124A.11.4
30. If platform lift provided, it shall be designed and constructed to facilitate unassisted entry, operation, and exit from lift.  
CBC 1124A.11.1
31. Note on plans: "All platform lifts shall comply with ASME A18.1, *Safety Standard for Platform Lifts and Stairway Chair Lifts.*"  
CBC 1124A.11.1
32. Platform lifts on an accessible means of egress shall not be installed in a fully enclosed hoistway.  
CBC 1124A.11.5
33. Dimension platform lift to accommodate minimum 30-inch-by-48-inch wheelchair space.  
CBC 1124A.11.2
34. Specify and dimension platform lift doors or gates complying with the following:  
 Power-operated  
**Exception:** Platform lifts serving having doors or gates on opposite side may have self-closing manual doors or gates  
 Doors or gates remain open for minimum 20 seconds  
 End doors or gates with minimum 32-inch clear width  
 Side doors or gates with minimum 42-inch clear width  
CBC 1124A.11.6
35. Dimension landings complying with accessibility correction list 6A at each platform lift door.  
CBC 1124A.11.3
36. Provide signage complying with the following at each platform lift:  
 Located within platform enclosure and at each landing  
 Reading: "No Freight"  
 Lettering complying with item 24  
 Including International Symbol of Accessibility  
CBC 1124A.11.7