

The purpose of this manual is to serve as the source for accessibility criteria to be used by the project planner / designer during selection of the site, project scoping, design programming, and preliminary design phase. DSA/OD utilizes these guidelines for all projects submitted for plan review when evaluating accessibility and usability of all public facilities.

Justification / Reference or Code Citation

Headings / Comments / Notes & Examples

**Check List 12. WHEELCHAIR LIFTS**

**12.1** For additional scoping requirements and exceptions, see also applicable **DSA/AC Preliminary Review Checklists and Checklist 1.**

NOTE:  
Speaking areas and similar places may include raised judges' benches, clerks' stations, speakers' platforms, jury boxes and witness stands or to depressed areas such as the well of a court.

- 12.2** Platform lifts (wheelchair lifts) may be used in lieu of an elevator or ramp only under the following conditions:
1. In new construction, to provide an accessible POT to a performing area in an assembly use area or to a speaking area or similar place (such as a dais for "head table") in an assembly or Group B use area.
  2. In new construction, to comply with the wheelchair viewing position line-of-sight and dispersion requirements of CBC 1104B.3.5.
  3. In new construction, to provide access to incidental occupiable spaces and rooms which are not open to the general public and which house no more than five persons, including but not limited to equipment control rooms and projection booths.
  4. In new construction, to provide access where existing site constraints or other constraints make use of a ramp or an elevator infeasible.
  5. In alteration projects, to comply with the accessible path of travel requirement.

CBC 1116B.2 & ADAAG 4.1.3(5).4  
CBC 1116B.2.1

Special access (wheelchair) lifts  
Platform lifts (wheelchair lifts)

CBC 1116B.2.2

Special access (wheelchair) lifts  
Platform lifts (wheelchair lifts)

CBC 1116B.2.3

Special access (wheelchair) lifts  
Platform lifts (wheelchair lifts)

CBC 1116B.2.4

Special access (wheelchair) lifts  
Platform lifts (wheelchair lifts)

**12.3** Indicate compliance of existing, unaltered wheelchair lift with CBC Sections 1116B.2, 1116B.3 and 7-3094.1, and provide DSA application number.

CBSC Title 24, Part 7, Section 3094.1, CBSC Part 1 Title 24, 4-317(b) & DSA

Unaltered existing lifts  
Plans

1. Provide any/all previous variances granted by Cal-OSHA.

CBSC Part 7, Title 24, 7-3094

Vertical and Inclined Platform (wheelchair lifts) and Inclined Stairway Chairlifts

**12.4** If existing vertical platform (wheelchair) lift(s), inclined platform (wheelchair) lift(s), or inclined stairway chairlift(s) were moved to a new location after April 24, 1998, they are to comply with CBSC code, Part 7, Title 24, C.C.R., Sections 7-3094 through 7-3094.5, and will require new variances as required by Cal-OSHA.

CBSC Art. 7-15, Part 7, Title 24, Section stairway

Vertical and inclined platform (wheelchair) lifts and inclined stairway

**12.5** Indicate location of all lifts on each site and floor plan.

CBSC Part 1 Title 24, 4-317(b) &

Plans

**12.6** Lift must be located in close proximity of the path of travel that is used by the general public.

CBC 1103B.1

Building accessibility - General

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## Check List 12. WHEELCHAIR LIFTS

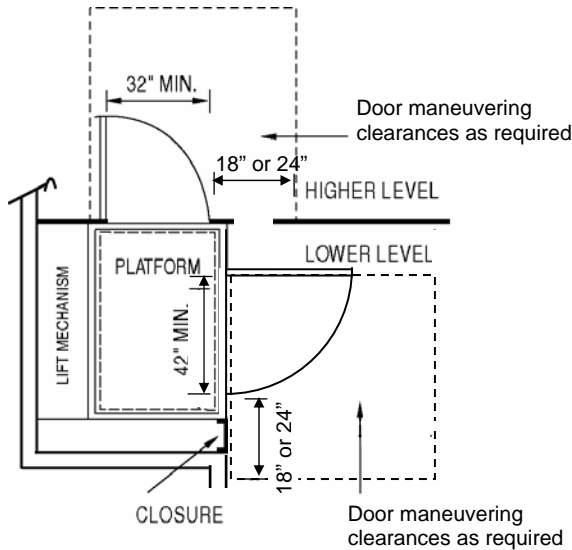
<p><b>12.7</b> Lift cannot be used as a component of an exit component in an egress system. EXCEPTIONS:</p> <ol style="list-style-type: none"> <li>1. The building has a supervised automatic sprinkler system.</li> <li>2. The area served by lift does not serve more than 4 wheelchair spaces.</li> <li>3. The length of the common POT to a point where the occupant has a choice of two directions to an exit shall not exceed 30 feet (including the vertical travel distance of the lift).</li> <li>4. The lift is provided with standby power or self-recharging battery power for a minimum of 5 upward and downward trips.</li> </ol>	<p>CBC 1116B.3</p>	<p>Special Access (wheelchair) lifts</p>
<p><b>12.8</b> Indicate stage curtain location (existing or future, in the open or stored position), and coordinate location with clear landing.</p>	<p>CBSC Part 1 Title 24, 4-317(b)</p>	<p>Plans</p>
<p><b>12.9</b> Unenclosed lift cannot raise more than 60" in height.</p>	<p>CBSC Part 7, Title 24 7-3094.2.(c)</p>	<p>Vertical platform (wheelchair) lifts</p>
<p><b>12.10</b> Design shall facilitate unassisted entry, operation, or exit from the lift.</p> <ol style="list-style-type: none"> <li>1. Where lift area is not constantly supervised (i.e. – remote location), provide remote alarm or a two-way communication system (audio or visual). Indicate location of both stations.</li> </ol>	<p>CBC 1116B.2  ASME A17.1-1993 2000.10b CBSC Part 1 Title 24 4-317(b)</p>	<p>Special Access (wheelchair) lifts  Plans</p>
<p><b>12.11</b> In new construction, and wherever possible in alteration projects, indicate a 60" square clear landing at each level. EXCEPTION: Other dimensions may be substituted where it can be demonstrated that a person using a wheelchair measuring 30 inches by 48 inches can enter and operate the lift safely.</p>	<p>CBSC Part 7, Title 24 7-3094.3.j (4) &amp; CBC 1116B.2.4.1  CBC 1116B.2.4.1</p>	<p>Vertical platform (wheelchair) lifts Landing size Landing size</p>
<p><b>12.12</b> Indicate locations of call buttons at top and bottom landing:</p> <ol style="list-style-type: none"> <li>1. Within reach range of the required 30" x 48" clear space and at 48" max. AFF.</li> <li>2. Within line sight of the platform.</li> <li>3. Operating controls at lower landing shall be located 24" min. from any moving parts of the platform and runway, but within line of sight of the platform.</li> </ol>	<p>CBSC Part 7, Title 24 7-3094.2(c)3 CBC 1117B.6(2) &amp; (3)  CBSC Part 7, Title 24 7-3094.2(c)3 CBSC Part 7, Title 24 7-3094.2(c)3</p>	<p>Vertical platform (wheelchair) lifts Controls and operating mechanisms – Clear Floor Space and Height Vertical platform (wheelchair) lifts Vertical platform (wheelchair) lifts</p>
<p><b>12.13</b> Lifts involving 90 degree turn: Platform size shall have a width of 42" min and a length of 53" min". When the width is 42", the length shall be 60". As the width increases, the length may decrease by the same amount. The door opening at the long side must be 42" min clear.</p>	<p>CBSC Part 7, Title 24 7-3094.2(p) &amp; DSA Policies 98-01 and 95-05</p>	<p>Vertical platform (wheelchair) lifts Special access (wheelchair) lifts Residential elevators in commercial buildings</p>

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Configurations for 90° Platform Lift	
Width	Length
42"	60"
43"	59"
44"	58"
45"	57"
46"	56"
47"	55"
48"	54"
49"	53"

- 12.14** At lower landing, provide 4" max. deep pit for flush access into platform or a level landing at the same height as the platform with a ramp or flared sides sloped at 8.3% max.
- 12.15** If a pit is used, indicate pit depth to be 4" max. and provide a contrasting stripe around the pit area.
- 12.16** If ramp or flared sides are provided, indicate configuration on plan. Ramp must have a 48" min long landing at the bottom, and must be so located that a person in a wheelchair can open the bottom gate independently.  
**EXCEPTION:**
  - a. A landing at the bottom gate may be omitted if the gate is equipped with a power-operated opener (indicate location of control push-plate).
- 12.17** Provide signs with lettering on a contrasting background, conspicuously posted at each landing indicating the following:
  1. The international symbol of accessibility.
  2. The lift shall not be used to transport materials or equipment., per CBC Part 7, Title 24 7-3094.2(h)
  3. The lift capacity (specify max weight).
  4. The telephone number to call in case of emergency.

CBSC Part 7, Title 24 7-3094.2(4) & (5)

CBSC Part 7, Title 24 7-3094.2(c)(4) & (5)

CBC 1116B.2.4.1, CBC 1133B.5.4.3, & CBC 1003.3.4.4

CBSC Part 7, Title 24 7-3094.2( i )

Vertical platform (wheelchair) lifts

Vertical platform (wheelchair) lifts

Landing size  
Encroachment of doors  
Landings

Vertical platform (wheelchair) lifts

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<p><b>12.18</b> Provide signage to indicate location of lift, if lift is not visible from room.</p>	<p>CBC 1117B.5.1(3)</p>	<p>Directional and Informational signs</p>
<p><b>12.19</b> Indicate lift gate at upper landing to be 42" high.</p>	<p>CBC 1133B.5.7.2</p>	<p>Guardrails – Where required</p>
<p><b>12.20</b> Doors and gates must comply with all applicable requirements for doors as required in CBC section 1133B.2.</p>	<p>DSA Policy 98-01</p>	<p>Special access (wheelchair) lifts</p>
<p><b>12.21</b> Provide emergency backup power (e.g., self-recharging battery or standby building power sufficient for 5 upward and downward trips) to exit from platform, or provide alternate emergency ramp exit.</p>	<p>CBC 1116B.3.2</p>	<p>Special access (wheelchair) lifts</p>
<p><b>12.22</b> Indicate smooth and solid platform enclosure.</p>	<p>ASME A17.1-1993 2000.1a(7)</p>	
<p><b>12.23</b> Provide and indicate a remote disconnect location.</p>	<p>CBSC Part 7, Title 24 7-3094.2(d)</p>	<p>Vertical platform (wheelchair) lifts</p>
<p><b>12.24</b> Indicate a light source that will provide 5 ft candles of light over platform if using platforms that are fully enclosed.</p>	<p>CBSC Part 7, Title 24 7-3094.2(f)</p>	<p>Vertical platform (wheelchair) lifts</p>
<p><b>12.25</b> Indicate speed and controls in specs.</p>	<p>ASME A17.1-1993 2000.7</p>	
<p><b>12.26</b> For inclined platform wheelchair lifts see CBSC Section 7-3094.3 of Part 7, of Title 24.</p>		<p>Inclined platform (wheelchair) lifts</p>
<p><b>12.27</b> For special access elevators (Article 15/Limited Use/Limited Application – “LuLa”) see CBSC Sections 7-3093 through 7-3093.60 of Part 7, of Title 24.</p>	<p>DSA Policy 95-05</p>	<p>Residential elevators in commercial buildings</p>
<p><b>12.28</b> Provide DSA with a cut sheet or shop drawing(s) for a “safety pan cover”.</p>	<p>CBSC Part 1 Title 24, 4-317(b)</p>	<p>Plans</p>
<p><b>12.29</b> Bring manufacturers cut sheets for back-check, or provide them as a part of the initial submittal. 1. Provide DSA with a cut sheet or shop drawing for a “safety pan cover”.</p>	<p>DSA</p>	