

# **DSA Access Compliance Official Comments (Checklists)**

**DSA – 2011 CALIFORNIA ACCESS COMPLIANCE REFERENCE MANUAL  
OFFICIAL COMMENTS (CHECKLISTS)**

**Introduction**

Section 5 – Official Comments (Checklists): This section contains a collection of 25 subject-specific checklists covering a variety of accessibility topics which may be applicable to construction projects typically submitted to DSA. We have attempted to include relevant citations of accessibility requirements from the CBC and the ADA Standards for Accessible Design. The checklists are intended for use by DSA staff and as a resource for design professionals to promote more uniform statewide criteria for plan review and construction inspection of projects within the jurisdiction of DSA.

## CHECKLIST TABLE OF CONTENTS

<b>1</b>	<b>General Requirements</b>
<b>2</b>	<b>Site Requirements</b>
<b>3</b>	<b>Accessible Route of Travel</b>
<b>4</b>	<b>Accessible Parking, Passenger Loading, and Bus Stops</b>
<b>5</b>	<b>Curb Ramps and Pedestrian Crossings</b>
<b>6</b>	<b>Walks and Sidewalks</b>
<b>7</b>	<b>Accessible Ramps</b>
<b>8</b>	<b>Doors and Gates</b>
<b>9</b>	<b>Corridors, Hallways, and Vestibules</b>
<b>10</b>	<b>Stairs and Steps</b>
<b>11</b>	<b>Accessible Means of Egress</b>
<b>12</b>	<b>Elevators and Platform (Wheelchair) Lifts</b>
<b>13</b>	<b>Public Telephones</b>
<b>14</b>	<b>Drinking Fountains</b>
<b>15</b>	<b>Sanitary Facilities</b>
<b>16</b>	<b>Alarms</b>
<b>17</b>	<b>Signage and Way-Finding</b>
<b>18</b>	<b>Assembly Use Areas</b>
<b>19</b>	<b>Business and Mercantile Use Areas</b>
<b>20</b>	<b>Educational Use Areas</b>
<b>21</b>	<b>Institutional Use Areas</b>
<b>22</b>	<b>Residential Use Areas</b>
<b>23</b>	<b>Other Use Areas</b>
<b>24</b>	<b>Qualified Historical Buildings</b>
<b>25</b>	<b>Specifications</b>

## COMMONLY USED ABBREVIATIONS

ADA	Americans with Disabilities Act	PD	Project Designer
ADA Stds	ADA Standards for Accessible Design as adopted by the US Department of Justice	PRC	California Public Resources Code
ADAAG	Americans with Disabilities Act Accessibility Guidelines	PTD	Paper towel dispenser
AFF	Above finished floor	Qty	Quantity
ANSI	American National Standards Institute	REF	Reference
ASME	American Society of Mechanical Engineers	req.	Requirement
ASTM	American Society for Testing and Materials	RO	DSA Regional Office
BHMA	Builders Hardware Manufacturers Association	ROM	Regional Office Manager
CA	California	SD	Soap dispenser
CBC	California Building Code	sec.	Second (1/60 minute)
CBSC Part 1	California Building Standards Administrative Code	Sec.	Section
CBSC	California Building Standards Code or Title 24 of the California Code of Regulations	sf	Square foot
CC	California Civil Code	SFM	California State Fire Marshal
CCR	California Code of Regulations	tbd	To be determined
CEC	California Electrical Code	Tbl.	Table
CESCC	California Elevator Safety Construction Code	Title 24	Title 24 of the CCR
CFC	California Fire Code	UFAS	Uniform Federal Accessibility Standards
CFR	Code of Federal Regulations	USAB	United States Access Board
CHBC	California Historical Building Code	USDOJ	U.S. Department of Justice
cl	Center line	u.o.n.	Unless otherwise noted
CMC	California Mechanical Code	VC	California Vehicle Code
CPC	California Plumbing Code	WC	Water closet
CRSC	California Reference Standards Code	Y	Yes
D.A.	Designated accessible	28 CFR 35	DOJ's Rule for ADA Title II
Dept.	Department	28 CFR 36	DOJ's Rule for ADA Title III
DF	Drinking fountain		
DGS	Department of General Services		
Dims	Dimension, measurement		
DSA	Division of the State Architect		
DSA-AC	DSA Access Compliance Program		
Fig.	Figure		
GC	California Government Code		
H&SC	California Health and Safety Code		
HQ	Headquarters		
IBC	International Building Code		
incl.	Including		
ISA	International Symbol of Accessibility		
IR	Interpretation of Regulations		
Lab	Laboratory		
Lav	Lavatory		
lbs.	Pound		
lf	Linear foot		
max	Maximum		
min	Minimum		
MOD	Modernization project		
MOU	Memorandum of understanding		
N	No		
N/A	Not applicable		
NFPA	National Fire Protection Association		
NT	Non-typical		
o.c.	On center		
		'	Foot
		"	Inch
		%	Percent
		<	Less than
		>	More than
		≤	Less than or equal
		≥	More than or equal

**1**

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /  
Reference  
or Code Citation

Headings / Comments / Notes  
& Examples

**Check List 1. GENERAL REQUIREMENTS**

**GENERAL SUBMITTAL NOTES**

❑ Plans and specifications shall be sufficient to show extent of work and shall be complete at the time of submittal. Plans that are incomplete will not be reviewed and DSA will issue a notification letter to the PD and the school district. A construction document set may be considered for rejection by DSA for any of the following reasons:

1. Excessive coordination errors (no more than ten per project). Civil, architectural, structural, mechanical, plumbing, landscaping, and electrical plans and specifications should be coordinated to match.
2. Excessive, incompletely dimensioned details from site plan, floor plans, and interior elevations.
3. Absence of coordinated signage schedule indicating the location and mounting height of signs.
4. Absence of accessible parking plans and details indicating dimensioned clearances, slopes, transitions between materials, signage, and parking ratios.
5. Modernization project site plans on which no path of travel is indicated to accessible toilets and area of new work.
6. Incomplete plan set as indicated on the index sheet.
7. Lacking application, check, plans or specifications.
8. Assembly rooms without seating plans and details, no accessible seating locations with companion seating, or non-equitable lines of sight (includes stadiums and bleachers).
9. Doors without all required clearances fully dimensioned.
10. Missing details for ramps, curb cuts, transitions, elevators, stairs, lifts, thresholds, or cross slopes.
11. Absence of dimensioned restroom plans enlarged to 1/4 inch scale and interior elevations with fixture locations and accessory mounting heights.
12. Incomplete door schedule lacking:
  - Size of doors
  - Hardware groups
  - Threshold details referenced
  - Signage coordination (details referenced and copy)
13. Assembly room plans which do not indicate assistive listening devices, as required, with signage.

CBSC Part 1,  
4-317(b)2

Information on plans and specifications

❑ Reviewer will review all items related to accessibility, provided by project designer (PD), in specifications and in plans, including floor plans, elevations, sections, and details, to make sure all construction work is accessible. For DSA policies, practices and procedures, go to the DSA website at: [www.dgs.ca.gov/dsa/](http://www.dgs.ca.gov/dsa/)

DSA Plan Check Procedures

❑ Reviewer will review preliminary design meeting notes (prepared and submitted by PD).

DSA Plan Check Procedures

**1**

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /  
Reference  
or Code Citation

Headings / Comments / Notes  
& Examples

### Check List 1. GENERAL REQUIREMENTS

#### GENERAL PLAN REVIEWER NOTES

<p><b>G.1</b> Provide the following for this element or area:</p> <ol style="list-style-type: none"> <li>1. Enlarged Plans</li> <li>2. Sections</li> <li>3. Elevations</li> <li>4. Details</li> </ol>	<p>CBSC Part 1 4-317(b)</p>	<p>Plans</p>
<p><b>G.2</b> Coordinate element(s) in architectural, structural, mechanical, plumbing, or electrical drawings (plans, sections, elevations, or details) with the one shown in this area.</p>	<p>CBSC Part 1 4-317(b)</p>	<p>Plans</p>
<p><b>G.3</b> Provide all sheets, sections, elevations, and details as indicated in plans.</p>	<p>CBSC Part 1 4-317(b)</p>	<p>Plans</p>
<p><b>G.4</b> Coordinate element(s) with specifications.</p>	<p>CBSC Part 1 4-317(b)</p>	<p>Plans</p>
<p><b>G.5</b> Indicate scale on drawing.</p>	<p>CBSC Part 1 4-317(b)</p>	<p>Plans</p>
<p><b>G.6</b> Provide missing dimension(s).</p>	<p>CBSC Part 1 4-317(b)</p>	<p>Plans</p>
<p><b>G.7</b> Update old code citation with current one.</p>	<p>CBSC Part 1 4-317(b)</p>	<p>Plans</p>
<p><b>G.8</b> Typical (applies to all similar situations in this project).</p>	<p>CBSC Part 1 4-317(b)</p>	<p>Plans</p>
<p><b>G.9</b> Provide absolute dimensions, not a range, in construction documents.</p>	<p>CBSC Part 1 4-317(b)</p>	<p>Plans</p>
<p><b>G.10</b> Provide enlarged plan or detail, showing all relevant dimensions to clearly indicate how accessibility requirements are met.</p>	<p>CBSC Part 1 4-317(b)</p>	<p>Plans</p>
<p><b>G.11</b> Delete the term "handicap" and/or "H/C". Use "accessible", "ACC" for accessible, or "D.A." for disabled access(ibility) instead.</p>	<p>Appendix B to 28 CFR 35.104 &amp; VC §22511.9</p>	<p>Definitions Disabled person sign</p>
<p><b>G.12</b> Identified work, element, furniture, equipment, or layout, even though labeled NIC or provided by the owner, is integral to access compliance of this submittal. Specify dimensions and locations of work or element.</p>	<p>CBSC Part 1 4-317(b)</p>	<p>Plans</p>
<p><b>G.13</b> In new construction, additions, and in areas of alteration, full compliance must be provided.</p>	<p>CBSC Part 1 4-317(b)</p>	<p>Plans</p>
<p><b>G.14</b> PD may consider submitting a written application for unreasonable hardship to DSA and providing equivalent facilitation.</p>	<p>CBC 202 CBC 1102B</p>	<p>Definitions Definitions</p>
<p><b>G.15</b> Shown equivalent facilitation does not provide equal or greater accessibility and protection, as provided under federal law.</p>	<p>CBC 1102B &amp; GC §4451(f)</p>	<p>Definitions Access to public buildings</p>
<p><b>G.16</b> Bring manufacturer cut-sheets or product sample of specified element to back check.</p>	<p>DSA Plan Check Procedures</p>	

**1**

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /  
Reference  
or Code Citation

Headings / Comments / Notes  
& Examples

**Check List 1. GENERAL REQUIREMENTS**

**GENERAL REQUIREMENTS**

**1.1** State and federal rules require, as do the statutes, that newly constructed facilities be readily accessible to and usable by individuals with disabilities. The phrase "readily accessible to and usable by individuals with disabilities" is a term that, in slightly varied formulations, has been used in the Architectural Barriers Act of 1968, the Fair Housing Act, the regulations implementing section 504 of the Rehabilitation Act of 1973, California's Government Code, and current accessibility standards. It means, with respect to a facility or a portion of a facility, that it can be approached, entered, and used by individuals with disabilities (including mobility, sensory, and cognitive impairments) easily and conveniently. A facility that is constructed to meet the requirements of the rules' accessibility standards will be considered readily accessible and usable with respect to construction. To the extent that a particular type or element of a facility is not specifically addressed by the standards, the language of this section is the safest guide.

GC §4450 &  
Appendix B of  
28 CFR Part 36

Access to public buildings

**1.2** Show list of all current codes, regulations, and adopted standards, which apply for the project:

**Applicable State Codes as of January 1, 2011**

- 2010 Building Standards Administrative Code, Part 1, CBSC
- 2010 California Building Code (CBC), Part 2, CBSC (2009 IBC & California Amendments)
- 2010 California Electrical Code (CEC), Part 3, CBSC (2008 National Electrical Code & California Amendments)
- 2010 California Mechanical Code (CMC), Part 4, CBSC (2009 Uniform Mechanical Code & California Amendments)
- 2010 California Plumbing Code (CPC), Part 5, CBSC (2009 Uniform Plumbing Code & California Amendments)
- 2010 California Energy Code, Part 6, CBSC
- 2010 California Historical Building Code, Part 8, CBSC
- 2010 California Fire Code, Part 9, CBSC (2009 International Fire Code & California Amendments)
- 2010 California Referenced Standards, Part 12, CBSC
- Title 8 C.C.R., Ch. 4, Sub-Ch. 6 – Elevator Safety Orders
- Title 19 C.C.R., Public Safety, SFM Regulations

CBSC Part 1  
4-317(b)

Plans

**List of Federal Codes and Standards** (if applicable)

- Americans with Disabilities Act (ADA), Title II or Title III
- For Title II: Uniform Federal Accessibility Standards (UFAS) or ADA Standards for Accessible Design (Appendix A of 28 CFR Part 36).
- For Title III: ADA Standards for Accessible Design (Appendix A of 28 CFR Part 36)

28 CFR 35.151(c)

28 CFR 36.406

**NOTE:**  
Title II applies to projects funded and/or used by state and local government services. Title III covers public accommodations and commercial facilities. Depending on the use and funding, both titles may apply to a project.

**1**

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification / Reference or Code Citation

Headings / Comments / Notes & Examples

**Check List 1. GENERAL REQUIREMENTS**

**Partial List of Applicable Referenced Standards**

- NFPA 13, Installation of Sprinkler Systems, 2010 Edition
- NFPA 72, National Fire Alarm Code (CA Amended) 2010 Edition (see UL Standard 1971 for "Visual Devices")
- Reference code section for NFPA Standards-CBC (SFM) Chapter 35.
- ASME A17.1/CSA B44-2007
- ASME A18.1-2005
- ASTM F 1487-98 Standard Consumer Safety Performance Specification for Playground Equipment for Public Use.
- ASTM F 1951-99 Standard Specification for Determination of Accessibility of Surface Systems Under and Around Playground Equipment.
- ASTM F 1292-99 Standard Specification for Impact Attenuation of Surface Systems Under and Around Playground Equipment.
- BHMA A156.10-2006 American National Standard for Power Operated Pedestrian Doors
- BHMA A156.19-2002 American National Standard for Power Assist and Low Energy Power Operated Doors

**1.3** Provide list of code analysis data: construction type, area square footage, occupancy classification, occupancy load, and fire sprinklers, if applicable.

CBSC Part 1, 4-317

Plans, specs and other data

**1.4** Describe the scope of work covered under this application. Identify the area, category, and type of project.

**1.5** In order to clarify the scope of work, describe the relationship of this application with previous or upcoming projects at the same site and provide DSA application numbers for all buildings, paths of travel, parking, passenger loading zones, sanitary facilities, drinking fountains, signage, and public telephones on this site (e.g., increments, phases, ADA Transition Plan efforts, etc).

CBSC Part 1 4-317(b)

- CATEGORIES OF PROJECTS:
- New construction
  - Alteration w/o state funds
  - Alteration w/ state funds
  - Additions
  - Relocatables
  - HCD relocatables
  - ADA-barrier removal
  - Fire damage projects
  - Historical properties
  - MOU projects
  - Housing
  - Class size reduction
  - Other

**1.6** Due to the difficulty of anticipating every unsatisfactory condition that might exist in connection with the existing facility where alteration work is proposed, the following clause or one of similar meaning must be included in the specifications or in the general notes:

CBSC Part 1, 4-317

The intent of the drawings and specifications is to modify the facility for accessibility in accordance with Title 24, California Code of Regulations. Should any conditions develop not covered by the contract documents such that the finished work will not comply with said Title 24, California Code of Regulations, a change order detailing and specifying the required work shall be submitted to and approved by DSA-AC before proceeding with the work.

**1.7** Indicate whether the facility is a qualified historical building and provide details showing whether the alteration is using alternatives in compliance with California State Historical Building Code (see Checklist 24).

CBC 1135B.1  
CBSC Part 8, Ch 8-6

Historical preservation – General CA Historical Building Code



1

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification / Reference or Code Citation

Headings / Comments / Notes & Examples

**Check List 1. GENERAL REQUIREMENTS**

1.8 Stamp or license of design professional is missing or expired, renew and stamp plans for back check.

CBSC Part 1 4-316(c)

Assumption of responsibility

1.9 For new construction projects: provide full accessibility to all areas of facilities or portions of facilities, including exterior routes of travel and all floors, including split levels, platforms, podiums, sunken areas, balconies, roof gardens, and mezzanines. Modify scoping of the project accordingly and indicate clearly on drawings how this requirement is being met.

GC §4450  
CBC 1103B.1 &  
CBC 1127B.1

Access to public buildings  
Building accessibility - General  
Exterior routes of travel

**EXCEPTIONS:**

- a. Floors or portions of floors not customarily occupied, including, but not limited to, non-occupiable or employee spaces accessed only by ladders, catwalks, crawl spaces, very narrow passageways, or freight (non-passenger) elevators, and frequented only by service personnel for repair or maintenance purposes, including, but not limited to, elevator pits and elevator penthouses, piping and equipment catwalks, and machinery rooms.

28 CFR 35.130(b)(4): A public entity may not, in determining the site or location of a facility, make selections –

- (i) That have the effect of excluding individuals with disabilities from, denying them the benefits of, or otherwise subjecting them to discrimination; or
- (ii) That have the purpose or effect of defeating or substantially impairing the accomplishment of the objectives of the service, program, or activity with respect to individuals with disabilities.

1.10 For alteration, renovation, structural repair, or addition projects: provide full accessibility within the area of specific alteration. All proposed work must comply fully with the requirements for new construction (see Item 1.9, including exception). Scoping of the project shall be shown clearly on drawings indicating how this requirement is being met.

GC §4450  
CBC 1134B.2

Access to public buildings  
Accessibility for existing buildings

1.11 In alteration, renovation, structural repair, or addition projects, the following elements, serving the specific area of alteration must be made accessible:

CBC 1134B.2.1

Accessibility for existing buildings

- 1. A primary entrance to the building, facility, or exterior area that is being altered.
- 2. A primary path of travel to the specific area of alteration, including: a path of travel from the site entry point (at the public right-of-way) that is closest to public transportation stops; a path of travel from on-site transportation stops; designated accessible parking; a path of travel from designated accessible parking; and identifying and directional signage.
- 3. Sanitary facilities serving the area.
- 4. Drinking fountains serving the area.
- 5. Signage.
- 6. Public telephones serving the area.

**DEFINITIONS:**

**ALTERATION OR ALTER:** Any change, addition, or modification in construction or occupancy or structural repair or change in primary function to an existing structure made by, on behalf of, or for the use of a public accommodation or commercial facility.

**ADDITION:** An extension, expansion or increase in floor area or height of a building, facility or structure.

1

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification / Reference or Code Citation

Headings / Comments / Notes & Examples

**Check List 1. GENERAL REQUIREMENTS**

**1.12** Modify scoping of the project and all related drawings to indicate clearly how scoping requirements are being met.

**EXCEPTIONS:**

**a. Alteration Projects below the Cost Cap:**

When the total construction cost of alterations is less than \$132,536.28 (in 2011), and DSA finds that full compliance creates an unreasonable hardship, and equivalent facilitation is provided, compliance shall be limited to the actual alteration work.

An unreasonable hardship exists where the cost of providing an accessible entrance, path of travel, sanitary facilities, public phones and drinking fountains, exceeds 20% of the cost of the project without these features. In such a case, access must be provided to the extent that it can be without incurring disproportionate cost (up to 20%).

PD must apply for unreasonable hardship in writing and provide construction history for this site for the previous three years, and construction cost documentation.

When scoping the project, priority should be given to those elements that will provide the greatest access in the following order:

1. An accessible entrance.
2. An accessible path of travel to the altered area.
3. At least one accessible restroom of each type for each sex serving the area of alteration.
4. Accessible telephones.
5. Accessible drinking fountains.
6. Additional accessible elements.

**b. Barrier Removal Projects**

Alterations that are limited to the removal of architectural barriers are not subject to the accessibility requirements in CBC 1134B.2.1. Exception 3 of Section 1134B.2.1 is not intended to relieve projects from complying with all applicable provisions within the specific area of alteration.

**c. Other Alteration Projects**

Alteration projects that consist only of heating, ventilation, air conditioning; re-roofing; electrical work not involving placement of switches and receptacles; cosmetic work (e.g. painting, carpeting) that does not affect items regulated by the CBSC, etc. are not considered alterations for the purpose of accessibility and are not subject to the accessibility requirements in CBC 1134B.2.1.

Exception 4 of CBC 1134B.2.1 is not intended to relieve projects from complying with other applicable provisions of the CBC (e.g., replacement of carpet does not activate the

CBSC Part 1 4-317(b)

CBC 1134B.2.1

CBC 202 & GC §4451(f)

CBC 1134B.2.1 - Exception 3

CBC 1134B.2.1 - Exception 4

Plans

Accessibility for existing buildings Exception 1

**NOTE:**  
Exception (a) is based on the January ENR Index and will be updated annually (January). See <http://www.dgs.ca.gov/dsa/Programs/progAccess/threshold.aspx>

Definitions  
Access to public buildings

Accessibility for existing buildings

**NOTE:**  
Exception (b) does not apply to facilities for which construction started after January 26, 1992.

Accessibility for existing buildings

**1**

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /  
Reference  
or Code Citation

Headings / Comments / Notes  
& Examples

**Check List 1. GENERAL REQUIREMENTS**

provisions of this section; however, the new carpet still must comply with CBC 1124B.3).

PD must provide information related to applicable accessibility requirements for all planned elements and features in the specific area of alteration.

**d. Alteration Projects with Department of Education (CDE) or Office of Public School Construction (OPSC) Funding**

Alteration projects that are wholly or in part funded by CDE or OPSC, and which consist only of heating, ventilation, air conditioning; re-roofing; electrical work not involving placement of switches and receptacles; cosmetic work (e.g. painting, carpeting) that does not affect items regulated by the CBSC, etc. are not considered alterations for the purpose of accessibility and are not subject to the accessibility requirements in CBC 1134B.2.1.

However, OPSC makes an additional 3% of funding available for Access and Fire-Life-Safety beyond the building envelope, plus provides an allocation for required elevators.

Scoping of the project and all drawings shall indicate clearly how this requirement is met. Provide cost documentation.

CBC 1134B.2.1 -  
Exception 4

Accessibility for existing buildings

CBSC Part 1  
4-317(b) &

Plans

**1.13 Special requirements for school modernization projects:**

1. Provide information related to the project consistent with the district's ADA Transition Plan for the facilities.
2. If elevators are required by DSA in writing at preliminary phase, partial funding for elevator can be granted by OPSC, in addition to the basic funding package.
3. Alteration projects under \$35,623.28 (in 2009) need not be submitted to DSA, however, all work must be code-compliant. Also, projects between \$35,623.28 and \$142,493.12 may not require DSA review when specific conditions are met.

CBSC Part 1  
4-317(b)

Plans

CBSC Part 1, 4-308  
4-308  
CBSC Part 1  
4-309  
DSA-IR A-10

Reconstruction or alterations not in excess of \$25,000 in cost  
Reconstruction or alterations in excess of \$25,000 in cost  
Reconstruction and alteration projects – Exemption from DSA approval

NOTE: Cost threshold is based on the January ENR Index and will be updated annually.

**1.14** Provide the following note on drawings for projects that include deferred approval items for access related equipment or elements: "Installation of deferred approval items shall not be started until contractor's drawings, specifications and engineering calculations for the actual systems to be installed have been accepted and signed by the Architect or Structural Engineer and approved by DSA."

CBSC Part 1  
4-317(b)

Plans

**1.15** Charter schools must submit plans to DSA for approval.

CBC 1.9.1.4

Enforcing agency

2

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification / Reference or Code Citation

Headings/ Comments / Notes / & Examples

**Check List 2. SITE REQUIREMENTS**

**2.1** New construction: All proposed site work, including choice of location, site development and grading, must be designed to provide access to all new building entrances and exterior ground-floor exits, access to normal routes, and where necessary to provide access, shall incorporate ramps, curb ramps, etc. When more than one building or facility is located on a site, an accessible route of travel shall be provided between all buildings and accessible site facilities. The accessible route of travel shall be the most practical direct route between accessible building entrances, accessible site facilities and the accessible entrance to the site. Where more than one route of travel is provided, all routes shall be accessible.

**EXCEPTION:**

Where DSA determines that compliance with this requirement would create an unreasonable hardship because of topography, natural barriers, etc., an exception may be granted when equivalent facilitation is provided through the use of other methods and materials.

**2.2** Alterations, structural repairs or additions: All proposed work must comply fully with the requirements for new construction (see Checklist Item 2.1).

**EXCEPTIONS:**

a. Where DSA determines that compliance with this requirement would create an unreasonable hardship because of topography, natural barriers, etc., an exception may be granted when equivalent facilitation is provided through the use of other methods and materials.

b. The requirements do not apply in those conditions where DSA determines that, due to legal or physical constraints, the site of the project would not allow compliance with this requirement or equivalent facilitation without creating an unreasonable hardship.

**2.3** The site is an important part of a building or facility, and the PD must ensure that buildings or facilities can be approached and entered easily and conveniently. Site plans shall meet the following requirements:

1. Use larger scale to more clearly show relevant elements.
2. Change graphic layout and/or line weights and types to better represent access compliance.
3. Provide names and/or designations for all existing buildings.
4. Provide and indicate DSA application numbers for all existing buildings affected by project scope. Alterations are not permitted to previously uncertified construction.

CBC 1134B.2

CBC 1.9.1.4 & CBC 1127B.1

CBSC Part 1 4-317(b)

28 CFR 35.130(b)(4): A public entity may not, in determining the site or location of a facility, make selections –

- (i) That have the effect of excluding individuals with disabilities from, denying them the benefits of, or otherwise subjecting them to discrimination; or
- (ii) That have the purpose or effect of defeating or substantially impairing the accomplishment of the objectives of the service, program, or activity with respect to individuals with disabilities.

General

Enforcing agency  
Exterior routes of travel - General

**NOTE:**  
Jurisdictional findings and determinations are subject to an internal DSA appeals process.

Plans

**NOTE:**  
Call DSA's Regional Office Supervisor for information on the certification process of existing buildings without a DSA application number.

**2**

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /  
Reference  
or Code Citation

Headings/ Comments / Notes /  
& Examples

## Check List 2. SITE REQUIREMENTS

### 2.4 Indicate the following infrastructure on site plan:

#### 1. Location of all sanitary facilities on site.

- A. Identify all sanitary facilities that are part of the project and provide DSA application number for existing sanitary facilities that were previously upgraded.
- B. Identify all existing sanitary facilities.
- C. Identify type of use (men's, women's, or unisex; single or multi-accommodation; employee, public, student, kindergarten, or visitor).
- D. Prior to back check, PD must field verify and indicate on plans compliance status with current standards of sanitary facilities serving the areas of construction. Fully compliant sanitary facilities should be identified as "accessible". Identified barriers that do not comply with current standards must be removed under this application or PD must file for unreasonable hardship.

#### 2. Location of all on-site and associated off-site parking and passenger drop-off and loading zones.

- A. Provide parking ratio for all parking, indicating number of regular, accessible, van-accessible, and total spaces. Calculate each lot/area separately.
- B. Identify type of use (regular, accessible, or van-accessible; employees, students, or visitors), and provide DSA application number for existing parking and passenger loading zones that were previously upgraded.
- C. Identify all accessible parking spaces and passenger loading zones that are part of the project.
- D. Indicate 5' min wide access aisles adjacent to each accessible parking stall and 8' min wide access aisles on the passenger side of all van accessible parking stalls.
- E. Indicate location of accessible parking stall and "Tow-away" signage.
- F. Prior to back check, PD must field verify and indicate on plans compliance status with current standards of accessible parking and passenger loading zones serving the areas of construction. Fully compliant accessible parking and passenger loading zones should be identified as "accessible". Identified barriers that do not comply with current standards must be removed under this application or PD must file for unreasonable hardship.

#### 3. Location of all drinking fountains on site.

- A. Identify all drinking fountains that are part of the project and provide DSA application numbers for existing drinking fountains that were previously upgraded.
- B. Identify all existing drinking fountains.

CBSC Part 1  
4-317(b)  
CBC 1115B

CBC 1134B.2.1,  
CBSC, Part 1,  
4-316(e) &  
CBC 202

CBC 1129B &  
CBC 1131B

CBC 1134B.2.1,  
CBSC, Part 1,  
4-316(e) &  
CBC 202

CBC 1117B.1 &  
CBSC Part 1  
4-317(b)

Plans

Bathing and toilet facilities

Existing buildings  
Designation of Responsibilities

Unreasonable hardship

Accessible parking required  
Passenger drop-off and loading  
zones

Existing buildings  
Designation of Responsibilities

Unreasonable hardship

Drinking fountains  
Plans

**2**

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /  
Reference  
or Code Citation

Headings/ Comments / Notes /  
& Examples

## Check List 2. SITE REQUIREMENTS

<p>C. Identify type of use (single, multi, or hi-low unit; adult or children's height).</p> <p>D. Prior to back check, PD must field verify and indicate on plans compliance status with current standards of drinking fountains serving the areas of construction. Fully compliant drinking fountains should be identified as "accessible". Identified barriers that do not comply with current standards must be removed under this application or PD must file for unreasonable hardship.</p>	<p>CBC 1134B.2.1, CBSC, Part 1, 4-316(e) &amp; CBC 202</p>	<p>Existing buildings Designation of Responsibilities</p> <p>Unreasonable hardship</p>
<p>4. Location of all public telephones.</p> <p>A. Identify all public telephones that are part of the project.</p> <p>B. Identify all existing public telephones and provide DSA application numbers for existing public telephones that were previously upgraded.</p> <p>C. Prior to back check, PD must field verify and indicate on plans compliance status with current standards of public telephones serving the areas of construction. Fully compliant public telephones should be identified as "accessible". Identified barriers that do not comply with current standards must be removed under this application or PD must file for unreasonable hardship.</p>	<p>CBC 1117B.2 &amp; CBSC Part 1 4-317(b)</p>	<p>Telephones Plans</p> <p>Existing buildings Designation of Responsibilities</p> <p>Unreasonable hardship</p>
<p>5. Location of all ramps.</p> <p>A. Identify type of ramp (exterior, interior, covered ramp; curb ramp, built-up curb ramp).</p> <p>B. Identify all ramps that are part of the project and provide DSA application number for all ramps that were previously upgraded.</p> <p>C. Identify all existing ramps and indicate length, width, landings and slope.</p> <p>D. Indicate any slopes in the accessible route of travel that exceed 1:20 (5%) with an arrow, starting at the top of the ramp run and ending at the bottom of the ramp run.</p> <p>E. Prior to back check, PD must field verify and indicate on plans compliance status with current standards of all ramps serving the areas of construction. Fully compliant ramps should be identified as "accessible". Identified barriers that do not comply with current standards must be removed under this application or PD must file for unreasonable hardship.</p>	<p>CBC 1127B.5, 1133B.5 &amp; CBSC Part 1 4-317(b)</p>	<p>Curb Ramps Ramps Plans</p> <p>Existing buildings Designation of Responsibilities</p> <p>Unreasonable hardship</p>
<p>6. Location of all stairs.</p> <p>A. Identify type of stairs (exterior, interior, covered stairs).</p> <p>B. Identify all stairs that are part of the project.</p> <p>C. Identify all existing stairs and provide DSA application numbers for all stairs that were previously upgraded.</p> <p>D. Indicate stairs or steps with arrow and label with direction. Specify details where applicable.</p>	<p>CBC 1133B.4 &amp; CBSC Part 1 4-317(b)</p>	<p>Stairways Plans</p>

**2**

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /  
Reference  
or Code Citation

Headings/ Comments / Notes /  
& Examples

## Check List 2. SITE REQUIREMENTS

<p><b>7.</b> Location of all elevators and lifts.</p> <p>A. Identify type and provide DSA application number for all elevators or lifts that were previously upgraded.</p> <p>B. Identify all elevators or lifts that are part of the project.</p> <p>C. Prior to back check, PD must field verify and indicate on plans compliance status with current standards of elevators and lifts serving the areas of construction. Fully compliant elevators and lifts should be identified as "accessible". Identified barriers that do not comply with current standards must be removed under this application or PD must file for unreasonable hardship.</p>	<p>CBC 1116B &amp; CBSC Part 1 4-317(b)</p> <p>CBC 1134B.2.1, CBSC, Part 1, 4-316(e) &amp; CBC 202</p>	<p>Elevators and platform (wheelchair) lifts Plans</p> <p>Existing buildings Designation of Responsibilities</p> <p>Unreasonable hardship</p>
<p><b>2.5</b> Clearly delineate all accessible paths of travel by a dashed or dotted line ( - · - · ) on site plans. See Checklist 3 for additional accessible routes of travel requirements.</p>	<p>CBSC Part 1 4-317(b)</p>	<p>Plans</p>
<p><b>2.6</b> Provide the following note on site plan: Accessible path of travel as indicated on plan is a barrier-free access route without any abrupt level changes exceeding 1/2" if beveled at 1:2 max slope, or vertical level changes not exceeding 1/4" max, and at least 48" in width. Surface is stable, firm, and slip resistant. Cross slope does not exceed 2% and slope in the direction of travel is less than 5%, unless otherwise indicated. Accessible path of travel shall be maintained free of overhanging obstructions to 80" minimum, and protruding objects greater than 4" projection from wall and above 27" and less than 80". Architect shall verify that there are no barriers in the path of travel.</p>	<p>CBSC Part 1 4-317(b)</p>	<p>Plans</p>
<p><b>2.7</b> Coordinate civil drawings with architectural drawings.</p>	<p>CBSC Part 1 4-317(b)</p>	<p>Plans</p>
<p><b>2.8</b> Provide relevant spot elevations along the accessible route of travel on site plan. At a minimum, show elevations at:</p> <ol style="list-style-type: none"> <li>1. Interior finished floor of buildings.</li> <li>2. Exterior entrance door landings.</li> <li>3. Along sloped walks in intervals of 100 ft max.</li> <li>4. Site entry points.</li> <li>5. Ramp landings (top, bottom, intermediate).</li> <li>6. Curb ramps (top, bottom).</li> <li>7. Elevator landings.</li> <li>8. Accessible parking and passenger drop-off zones.</li> <li>9. Drinking fountains.</li> <li>10. Exterior side of counters.</li> </ol>	<p>CBSC Part 1 4-317(b)</p>	<p>Plans</p>
<p><b>2.9</b> Specify all surface materials (existing and new) along and adjacent to the accessible route of travel. Separate different surface areas by lines.</p>	<p>CBSC Part 1 4-317(b)</p>	<p>Plans</p>

**2**

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification / Reference or Code Citation

Headings/ Comments / Notes / & Examples

**Check List 2. SITE REQUIREMENTS**

**2.10** Identify all level changes between materials which exceed 1/4" vertical or 1/2" (if beveled at 1:2) in height along and adjacent to the accessible route of travel.

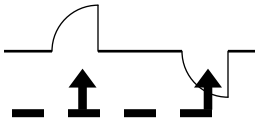
CBC 1133B.7.4 & CBSC Part 1 4-317(b)

Changes in level Plans

**2.11** Indicate all ground floor entries/exits that are required to be accessible.

CBSC Part 1 4-317(b)

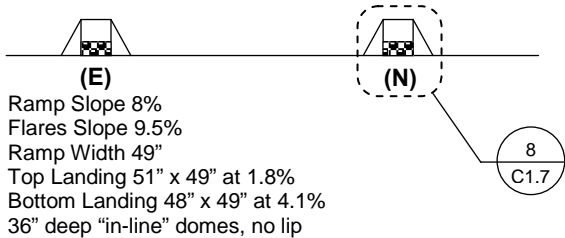
Plans



**2.12** Indicate all existing and proposed curb cuts or curb ramps that are in the accessible route of travel. If new, specify details. If existing, indicate conditions (slope, width, landings) to show compliance status. Below are two acceptable examples.

CBSC Part 1 4-317(b) & CBC 1127B.5

Plans Curb ramps



**2.13** Indicate warning curbs and tactile/visual indicators and specify detail.

CBC 1133B.8

Hazards

**2.14** Where gates are within the accessible route of travel, indicate how gate will be used: Specify lever hardware and smooth surface at bottom 10" of gate (e.g. kick plate).

CBC 1133B.1.1.1.4

Gates

1. If gate is used as exit only, it must comply with exit door requirements (panic hardware and exit signs may be required to coordinate with Fire & Life Safety).

CBC 1008.2

Gates

2. In existing facilities, if an existing gate is used as entrance and exit, it must comply with exit door and general door requirements (panic hardware and exit signs may be required to coordinate with Fire & Life Safety). Specify door schedule number and detail (landings, hardware, kick-plate, strike edge clearance, clear opening).

CBC 1133B.1.1.1.4 & CBC 1008.2

Gates Gates

**2.15** Indicate locations of all exterior directional signs and specify detail.

CBC 1127B.3

Exterior routes of travel - Signs

**2.16** Provide enlarged plan of required element or area containing site requirement(s) in 1/4" scale.

CBSC Part 1 4-317(b)

Plans



**3**

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /  
Reference  
or Code Citation

Headings / Comments / Notes  
& Examples

### Check List 3. ACCESSIBLE ROUTE OF TRAVEL

- 3.1** For additional scoping requirements and exceptions see also applicable **DSA-AC Checklist 1** and **Checklist 2**.
- 3.2** The accessible route of travel must, to the maximum extent feasible, coincide with the route for the general public.
- 3.3** Indicate the accessible route of travel (dashed or dotted line) from and to the following areas (if necessary, modify scoping of the project accordingly and indicate clearly on drawings how this requirement is met):
1. From public transportation stops and cross walks in the public rights-of-way serving the area adjacent to a site entry point.
  2. From all appropriate site entry points that serve pedestrians (e.g., public transportation stops, cross walks, etc.) to the area of new construction or alteration, starting at the property line.
  3. From accessible parking serving the area to the area of new construction or alteration.
  4. From passenger drop-off and loading zones to the area of new construction or alteration.
  5. From visitor arrival or sign-in points to the area of new construction or alteration.
  6. From accessible restrooms serving the area to the area of new construction or alteration.
  7. From drinking fountains serving the area to the area of new construction or alteration.
  8. From public telephones serving the area to the area of new construction or alteration.
  9. From and to elevators serving the site's accessible route.
  10. From exterior activity areas serving the area (e.g., plazas, playgrounds, vista points, etc.) to the area of new construction or alteration.
  11. From all other essential function areas serving the area to the area of new construction or alteration.
  12. Between all areas of new construction or alteration.
- 3.4** Indicate width of accessible route of travel at this location:
1. 48" min for walks and sidewalks. See Checklist 6 for exceptions and additional requirements.
  2. 48" min for curb ramps. See Checklist 5 for exceptions and additional requirements.

CBC 1114B.1.2

CBSC Part 1  
4-317(b)

CBC 202 &  
CA Streets and  
Highways Code  
§5610

CBC 1133B.7.1  
CBC 1005

CBC 1127B.5 #2

Accessible route of travel

Plans

Definitions – Path of Travel  
For code, see: [www.leginfo.ca.gov](http://www.leginfo.ca.gov)

**NOTE:**  
The PD must clearly demonstrate and document an effort in requesting that the entity having authority (or control) over the public right-of-way (such as a city or a county) provide the necessary improvements / alterations needed to comply with accessibility. If such request is denied by the entity having authority (or control) over the public right-of-way, that denial must be documented and entered into the DSA project file.

Continuous surface  
Egress width

Width of curb ramps

**3**

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification / Reference or Code Citation

Headings / Comments / Notes & Examples

**Check List 3. ACCESSIBLE ROUTE OF TRAVEL**

- 3. 48" min for ramps, or 60" min if serving an occupancy load of ≥300 and the entrance ramp is the only exit discharge path from a building. See Checklist 7 for exceptions and additional requirements.
- 4. 36" min for corridors, hallways, and exterior exit balconies if serving an occupancy load of <10, or 44" min if serving an occupancy load of 10 or more. See Checklist 9 for exceptions and additional requirements.
- 5. For corridors, hallways, and exterior exit balconies exceeding 200' in length, provide 60" min clear width or 60"x60" passing spaces at intervals of 200' maximum. A T-shaped intersection of two 36" min width corridors is an acceptable alternate passing space. See Checklist 9 for
- 6.
- 7. 44" min within a multi-accommodation toilet room to and from accessible compartments.
- 8. 36" min within a single-accommodation toilet room except at doors. If a person in a wheelchair must make a turn around an obstruction, the min clear width of the accessible route shall be as shown in CBC Figure 11B-5E.
- 9. 36" min at aisles serving one side only.
- 10. 44" min at aisles serving both sides.

CBC 1133B.5.2

Entrance and special occupancy

CBC 1133B.3.1 & CBC 1133B.3.2

Corridor and hallway widths  
Corridors and hallways over 200'

CBC 1133B.3.2

Corridors and hallways over 200 feet

CBC 1115B.3.1 #4.5

Multiple accommodation toilet facilities

CBC 1115B.3.2 #4

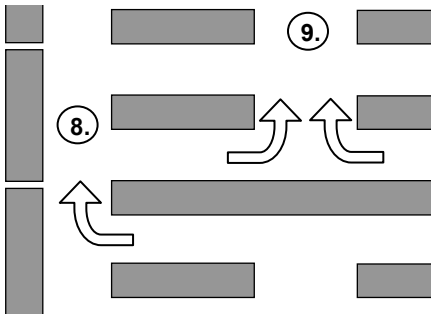
Single-accommodation toilet facilities

CBC 1133B.6.2

Aisles - Width

CBC 1133B.6.2

Aisles - Width



For turns around an obstruction, see 3.6.

**NOTE:**  
Chapter 10 may require 44" min aisle width in B and M occupancies, and in assembly occupancies without fixed seating, where seats, tables, furnishings, displays, and similar fixtures or equipment are located on both sides of the aisle.

- 3.5 Doors (in any position) shall not reduce the required width of a corridor or hallway by more than 50%.

CBC 1005.2

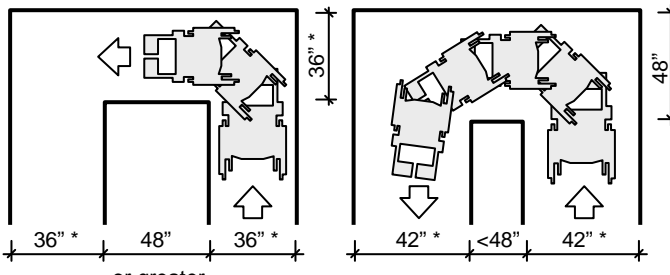
Egress Width – Door Encroachment

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /  
Reference  
or Code Citation

Headings / Comments / Notes  
& Examples

### Check List 3. ACCESSIBLE ROUTE OF TRAVEL

<p><b>3.6</b> Provide and indicate the following dimensions when the accessible route changes direction or turns around an obstruction:</p> <ol style="list-style-type: none"> <li>1. 90 degree turns can be made from a 36" wide passageway into another 36" passageway if the depth of the obstruction is 48" or greater on the inside dimensions of the turn.</li> <li>2. U-turns around an obstruction less than 48" wide can be made if the passageway width is 42" min and the base of the U-turn space is 48" min wide.</li> </ol>  <p>EXCEPTIONS: At doors.</p>	<p>CBC 1118B.1</p> <p>CBC 1118B.1</p> <p>CBC 1118B.1</p>	<p>Wheelchair passage width</p> <p>Wheelchair passage width</p> <p>Wheelchair passage width</p> <p><b>*NOTE:</b> If occupancy load is 10 or more, the min width of all * dimensions must be increased to 44" min.</p>
<p><b>3.7</b> Provide and indicate the following properties for the accessible route of travel:</p> <ol style="list-style-type: none"> <li>1. Accessible route surface must be slip-resistant, stable, and firm.</li> <li>2. On surfaces with slopes up to 6%, provide equivalent of medium salted finish.</li> <li>3. On surfaces with slopes equal to or greater than 6%, provide slip-resistant finish.</li> <li>4. Outdoor stairs, ramps and landings shall be designed so water will not accumulate on their surfaces.</li> </ol>	<p>CBC 1133B.7.1 CBC 1124B.1</p> <p>CBC 1133B.7.1.1</p> <p>CBC 1133B.7.1.2</p> <p>CBC 1133B.4.5.1 CBC 1133B.5.8</p>	<p>Continuous surface Ground and floor surfaces</p> <p>Slopes less than 6 percent</p> <p>Slopes 6 percent or greater</p> <p>Treads Outdoor ramps</p>
<p><b>3.8</b> All entrances and ground floor exits must be accessible.</p> <p>EXCEPTIONS:</p> <ol style="list-style-type: none"> <li>a. Exterior ground-floor exits serving smoke-proof enclosures, stairwells and exit doors servicing stairs only.</li> <li>b. Exits in excess of those required by Chapter 10, and which are more than 24 inches above grade. Such doors shall have a visual sign which indicates, by means of an arrow and/or text, the location of the nearest accessible exit. The warning sign shall comply with Section 1117B.5 and be mounted at a location so steps do not need to be retraced.</li> </ol>	<p>CBC 1133B.1.1.1.1</p>	<p>Entrances</p>

**3**

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /  
Reference  
or Code Citation

Headings / Comments / Notes  
& Examples

**Check List 3. ACCESSIBLE ROUTE OF TRAVEL**

<p>c. In existing buildings where the enforcing agency determines that compliance with the building standards of this section would create an unreasonable hardship, an exception shall be granted when equivalent facilitation is provided. Equivalent facilitation would require at least one entrance to be accessible to and usable by persons with disabilities.</p>		<p><b>NOTE:</b> Jurisdictional findings and determinations are subject to an internal DSA appeals process.</p>
<p>d. In existing buildings when legal or physical constraints will not allow compliance or equivalent facilitation without creating an unreasonable hardship.</p>		
<p><b>3.9</b> In existing buildings and facilities, a service entrance can not be the only accessible entrance unless it is the only entrance to a building or facility.</p>	<p>1133B.1.1.1.5</p>	<p>Service entrances</p>
<p><b>3.10</b> Indicate on plans all entrances and ground floor exits that are required to be accessible (either by extending the accessible route of travel line into the building or by a symbol (e.g., ►). Provide strike edge and landing dimensions for each entrance on plan or provide the following general note on plan:</p>	<p>CBSC Part 1 4-317(b)</p>	<p>Plans</p>
<ul style="list-style-type: none"> <li>▪ All exterior entrances and exits identified with a triangular symbol (►) on this plan are accessible and comply with CBC 1133B.1.1, including:</li> </ul>		
<p>A. 32" clear opening</p>	<p>CBC 1133B.1.1.1.1</p>	<p>Entrances</p>
<p>B. Required strike edge clearance at pull side of door (24" for front and latch, 36" for hinge approach)</p>	<p>CBC 1133B.2.4.2</p>	<p>Maneuvering clearances at doors</p>
<p>C. Level landings (2% max)</p>	<p>CBC 1133B.2.4.2</p>	<p>Maneuvering clearances at doors</p>
<p>D. Accessible threshold, hardware, closer, kick-plate</p>	<p>CBC 1133B.2.4.1 CBC 1133B.2.5.1 CBC 1133B.2.5.2 CBC 1133B.2.6</p>	<p>Thresholds Door closer Hardware Smooth surface</p>
<p>E. ISA on exterior side of entrance</p>	<p>CBC 1117B.5.8.1.2</p>	<p>Entrance signs</p>
<p>F. Tactile exit signage on interior side of exit door, as required</p>	<p>CBC 1011.3</p>	<p>Tactile exit signs</p>
<p>G. Outline of canopy, awning, or roof</p>	<p>CBSC Part 1 4-317(b)</p>	<p>Plans</p>
<p><b>3.11</b> Vertical change in the accessible route cannot exceed 1/4". Provide curb ramp, ramp, elevator, platform lift, or remove element at this location, or provide equally convenient, alternative accessible route.</p>	<p>CBC 1124B.2 CBC 1133B.7.4</p>	<p>Changes in level Changes in level</p>
<p><b>3.12</b> Level change in the accessible route between 1/4" and 1/2" must be beveled at 1:2 max slope. Changes in level greater than 1/2" shall be accomplished by means of a curb ramp, ramp, elevator, platform lift, or provide equally convenient, alternative accessible route.</p>	<p>CBC 1124B.2 &amp; CBC 1133B.7.4</p>	<p>Changes in level Changes in level  <b>NOTE:</b> Thresholds over 1/2" must be mitigated by a ramp/sloped walk.</p>

3

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification / Reference or Code Citation

Headings / Comments / Notes & Examples

**Check List 3. ACCESSIBLE ROUTE OF TRAVEL**

**3.13** If level change between pedestrian area and adjacent surface exceeds 30" in height, specify and provide detail for guard (42" AFF).

CBC 1013.1

Guards – Where required

**3.14** Indicate condition of level change between pedestrian area and adjacent surface. If drop exceeds 1/4" in height, specify and provide one of the following details:

CBSC Part 1 4-317(b)

Plans

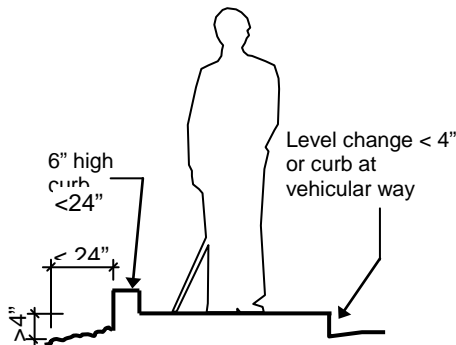
- 1. Abrupt vertical drops between 1/4" and 4".
- 2. 6" high warning curb if vertical drop exceeds 4".

CBC 1133B.8.1

Warning curbs

**EXCEPTIONS:**

- a. Between a walk or sidewalk and a street or driveway.
- b. If adjacent grade is higher than pedestrian way.
- c. If cane-detectable handrails, guards, or wheel-guides are provided.



**3.15** Identify location of all gratings within the accessible route and provide cut sheet of gratings for back check review.

CBC 1124B.4 & CBC 1133B.7.2

Gratings  
Gratings

Walks, sidewalks and pedestrian ways shall be free of gratings whenever possible. Grate openings cannot exceed 1/2" in the direction of travel. Gratings with elongated opening must be placed with the long dimension perpendicular to the dominant direction of traffic flow.

**EXCEPTIONS:**

- a. In alteration projects, when DSA finds unreasonable hardship and when equivalent facilitation is provided.
- b. Where, due to legal or physical constraints, the site of the project will not allow compliance with this requirement or equivalent facilitation without creating an unreasonable hardship.

CBSC Part 1 4-317(b)

Plans

**NOTE:**  
Jurisdictional findings and determinations for exception (b) are subject to an internal DSA appeals process.

**3**

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /  
Reference  
or Code Citation

Headings / Comments / Notes  
& Examples

### Check List 3. ACCESSIBLE ROUTE OF TRAVEL

**3.16** Wall mounted objects with the bottom edge between 27" and 80" AFF shall protrude no more than 4" into the pedestrian circulation area.

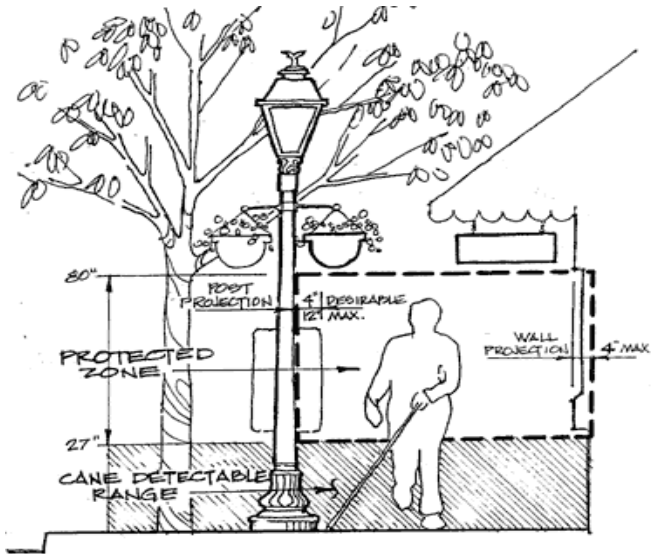
CBC 1133B.8.6.1

Protruding objects - General

**3.17** Post or pylon-mounted objects with a bottom edge between 27" and 80" above the ground may overhang no more than 12".

CBC 1133B.8.6.1

Protruding objects - General



**3.18** Handrail extension shall not project into the accessible route of travel or create a hazard.

CBC 1133B.8.6.1  
CBC 1133B.4.2.2  
CBC 1133B.5.5.1.1

Protruding objects - General  
Stair Handrails  
Ramp Handrails

**3.19** Accessible route of travel at parking stalls shall not compel a person with a disability to wheel or walk behind parking spaces other than that person's own accessible parking space.

CBC 1129B.3 #3

Arrangement of parking spaces

**3.20** For large sites and complicated accessible routes of travel, provide directional signs, indicating the direction to accessible parking, buildings, or outside facilities. Signs should be designed to facilitate reading by persons with impaired vision. Background contrast and character proportion is critical.

CBC 1117B.5  
CBC 1127B.3

Signs and identification  
Signs

**3.21** Provide detectable warnings at transit boarding platforms.

CBC 1121B.3.1 #8(a)

Detectable warnings at transit  
boarding platforms

**3.22** Provide detectable directional texture (truncated bars) at transit boarding platforms.

CBC 1121B.3.1 #8(b)  
CBC Fig. 11B-23B

Detectable directional texture at  
boarding platforms  
Directional bars

**3.23** Provide a continuous band of detectable warning surface (36" deep) where a walk crosses or adjoins a vehicular way, and the walking surface is not separated from the hazardous vehicular way by curbs, railings or other elements.

CBC 1133B.8.5

Detectable warnings at hazardous  
vehicular areas

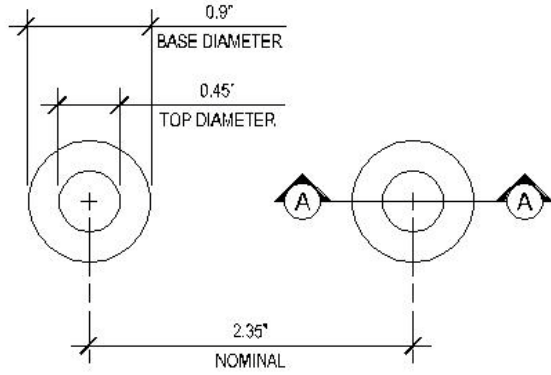
**3**

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

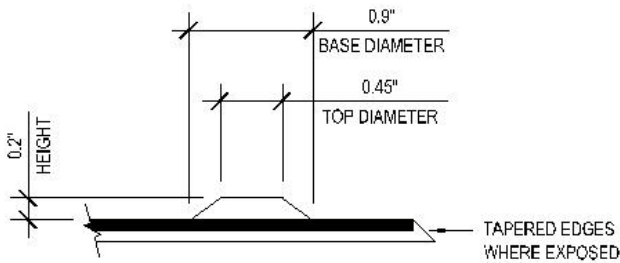
Justification /  
Reference  
or Code Citation

Headings / Comments / Notes  
& Examples

**Check List 3. ACCESSIBLE ROUTE OF TRAVEL**



(a) TRUNCATED DOME SPACING



(b) TRUNCATED DOME SECTION A-A

**3.24** If existing building elevators are being altered in order to be made accessible, no modifications are required to stairs that connect levels served by the accessible elevator.

CBC 1134B.2.1 #3.3  
ADA Stds. 4.1.6(1)(d)

Accessibility for existing buildings -  
General  
Accessible buildings - Alterations

**4**

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification / Reference or Code Citation

Heading / Comments / Notes & Examples

**Check List 4. ACCESSIBLE PARKING, PASSENGER LOADING, AND BUS STOPS**

**4.1** For additional scoping requirements and exceptions see also applicable **DSA-AC Checklist 1**.

**ACCESSIBLE PARKING**

CBC 1129B

Accessible parking required

**4.2** Indicate location and layout of all accessible parking on site plan and connect dashed accessible route of travel to the access aisle.

CBSC Part 1 4-317(b)

Plans

**4.3** Provide separate parking ratio for each parking lot on this site. Indicate name of lot, total number of stalls, van accessible stalls, and regular accessible stalls.

CBSC Part 1 4-317(b)

Plans

**4.4** Provide enlarged plan in 1/4" scale representing the actual layout, including associated sidewalks, curb ramps, curb cuts, and location of water drains, for all accessible parking under this contract.

CBSC Part 1 4-317(b)

Plans

**4.5** Provide the required number of accessible parking spaces for each lot (calculate each lot separately):

CBC Table 11B-6

Spaces required

Total Parking in Lot	Required Accessible	Including Van Accessible
1-25 spaces	1 space(s)	1 space(s)
26-50	2	1
51-75	3	1
76-100	4	1
101-150	5	1
151-200	6	1
201-300	7	1
301-400	8	1
401-500	9	2
501-1,000	Two % of total	(1 in 8)
1,001 and over	Twenty plus one for each 100, or fraction thereof over 1,001	(1 in 8)

NOTE:  
One (1) in every eight (8) accessible spaces, but not less than one (1), shall be van accessible. Van accessible parking spaces are "accessible spaces" and are not to be considered "in addition" to the number of accessible spaces required.

**EXCEPTIONS:**

- a. 10% of the total number of parking spaces at outpatient units and facilities shall be accessible.
- b. 20% of the total number of parking spaces at units and facilities that specialize in treatment or services for persons with mobility impairments shall be accessible.

CBC 1129B.2 #1

Medical care outpatient facilities – Outpatient units and facilities

CBC 1129B.2 #2

Units and facilities that specialize in treatment or services for persons with mobility impairments

**4.6** One (1) of every eight (8) accessible spaces, but not less than one, is required to be van accessible.

CBC 1129B.3 #2

Parking space size - Van space(s)

**4.7** Where provided, electrical vehicle charging stations shall be accessible as required.

DSA Policy 97-03

Interim disabled access guidelines for electrical vehicle charging stations



**4**

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /  
Reference  
or Code Citation

Heading / Comments / Notes  
& Examples

#### Check List 4. ACCESSIBLE PARKING, PASSENGER LOADING, AND BUS STOPS

<p><b>4.8</b> Consider relocating accessible parking if necessary. Accessible parking spaces serving a particular building must be located on the shortest accessible route of travel from adjacent parking to an accessible entrance. Note that required stalls need not be provided in the particular lot. They may be provided in a different location if equivalent or greater accessibility is ensured, in terms of distance from an accessible entrance, user cost and convenience.</p>	<p>CBC 1129B.1</p>	<p>Accessible parking required – General</p>
<p><b>4.9</b> Where parking lots serve accessible entrances of several buildings or different areas on site, accessible parking spaces must be dispersed and located closest to the accessible route of travel.</p>	<p>CBC 1129B.1</p>	<p>Accessible parking required – General</p>
<p><b>4.10</b> Rearrange parking layout so that a person with a disability is not compelled to wheel or walk behind parking spaces other than that person's own accessible parking space.</p>	<p>CBC 1129B.3 #3</p>	<p>Arrangement of parking spaces</p>
<p><b>4.11</b> Typical parking detail(s) must match actual parking layout.</p>	<p>CBSC Part 1 4-317(b)</p>	<p>Plans</p>
<p><b>4.12</b> Accessible parking stalls and access aisles - provide and indicate the following dimensions and elements on plans:</p>	<p>CBC 1129B.3</p>	<p>Parking space size</p>
<p>1. 8' wide access aisles on the passenger side of each van accessible parking stall.</p>	<p>CBC 1129B.3 #2</p>	<p>Van space(s)</p>
<p>2. 5' wide access aisles on the passenger side of each accessible parking stall. Two adjacent accessible parking stalls may share a common access aisle.</p>	<p>CBC 1129B.3 #1</p>	<p>Dimensions</p>
<p>3. 18' long parking stalls and access aisles.</p>	<p>CBC 1129B.3 #1</p>	<p>Dimensions</p>
<p>4. Loading and unloading access aisles marked by a border painted blue. Within the blue border, hatched lines at 36 inches max on center painted a color contrasting with the parking surface, preferably blue or white.</p>	<p>CBC 1129B.3 #1 CBC 1129B.3 #2</p>	<p>Dimensions Van space(s)</p>
<p>5. 2% max slope in any direction at parking spaces and access aisles.</p>	<p>CBC 1129B.3 #4</p>	<p>Slope of parking space</p>
<p>6. A 36" wide and 36" high International Symbol of Accessibility on pavement at rear of stall.</p>	<p>CBC 1129B.4</p>	<p>Identification of parking spaces for off-street parking facilities</p>
<p>7. Post or wall mounted accessible parking stall signs:</p>	<p>CBC 1129B.4</p>	<p>Identification of parking spaces for off-street parking facilities</p>
<p>A. Signs must be located at the interior end of the accessible stall. Signs shall be located so they cannot be obscured by a vehicle parked in the space.</p>	<p>CBC 1133B.8.6.3</p>	<p>Free-standing signs</p>
<p>B. Signs must be reflectorized, 70 square inch min, with a white ISA on blue background.</p>		
<p>C. An additional sign or additional language below the ISA must state, "Minimum Fine \$250".</p>		
<p>D. Van accessible spaces must have an additional sign or additional language below the ISA stating "Van Accessible".</p>		

**4**

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /  
Reference  
or Code Citation

Heading / Comments / Notes  
& Examples

### Check List 4. ACCESSIBLE PARKING, PASSENGER LOADING, AND BUS STOPS

<p><b>8.</b> "Tow-away" signs:</p> <p>A. Post in a conspicuous place at each entrance to an off-street parking lot, or immediately adjacent to and visible from each designated stall.</p> <p>B. Sign must be 17" x 22" min, with letters 1" high min.</p> <p>C. Sign must state: "Unauthorized vehicles parked in designated accessible spaces not displaying distinguishing placards or special license plates issued for persons with disabilities will be towed away at the owner's expense. Towed vehicles may be reclaimed at _____ or by telephoning _____."</p> <p>D. PD to provide contact info on plans.</p>	<p>CBC 1129B.4</p>	<p>Identification of parking spaces for off-street parking facilities</p>
<p><b>9.</b> A bumper or curb shall be provided if required to prevent encroachment of cars over the required width of adjacent walkways.</p>	<p>CBC 1129B.3 #3 ADA Stds. 4.6.3</p>	<p>Walks and sidewalks - Continuous surface</p>
<p><b>10.</b> Provide the words "NO PARKING" in each access aisle, painted in 12" minimum high white letters.</p>	<p>CBC 1129B.3 #1 &amp; 2</p>	<p>Dimensions and Van space(s)</p>
<p><b>11.</b> Provide minimum vertical clearance of 98" at accessible parking spaces and along at least one vehicle access route to such spaces from site entrances and exits.</p>	<p>CBC 1129B.3 #5</p>	<p>Vertical clearance</p>
<p><b>4.13</b> Curb ramps with slopes greater than 2% cannot be located within the parking space or adjacent access aisle. Provide parallel or perpendicular curb ramp instead of built-up curb ramp or redesign parking layout (see Checklist 4, Fig. 4-A, 4-B &amp; 4-C).</p>	<p>CBC 1129B.3 #3 ADA Stds. 4.6.3</p>	<p>Arrangement of parking space Parking spaces See figures at the end of this Checklist</p>
<p><b>4.14</b> Accessible route of travel to parking - provide and indicate the following dimensions and elements on plans:</p> <p>1. The access aisle must either be level with the adjacent accessible route or have a curb ramp. Provide spot elevations.</p> <p>2. Curb ramp opening must be located within the access aisle boundaries, not within the parking space boundaries.</p> <p>3. Top landing at curb ramp must be level and 48" deep min.</p> <p>4. Transitions from ramps to walks, gutters, or streets shall be flush and free of abrupt changes. (No 1/2" lip.)</p>	<p>CBSC Part 1 4-317(b)</p> <p>CBC 1129B.3 #3</p> <p>CBC 1127B.5 #4</p> <p>CBC 1127B.5 #3</p>	<p>Plans</p> <p>Arrangement of parking space</p> <p><u>NOTE:</u> Detectable warning surfaces are required on all curb ramps.</p> <p>Curb Ramps - Level landing</p> <p>Curb Ramps - Slope of curb ramp</p>
<p><b>4.15</b> Provide and indicate 98" min (8' - 2") vertical clearance at the van accessible parking stalls and at vehicle routes to and from these stalls.</p>	<p>ADA Stds. 4.6.5</p>	<p>Vertical Clearance</p>
<p><b>4.16</b> Provide and indicate a reasonable programmatic or architectural solution at parking areas controlled by ticket dispensers which may represent a barrier for persons with disabilities, particular those with reach range limitations. Examples of acceptable solutions include an accessible voice communication system and signage, or providing accessible parking spaces outside the controlled area.</p>	<p>DSA Policy 97-06 28 CFR 35.130(a)</p>	<p>Parking ticket dispensers</p>

**4**

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /  
Reference  
or Code Citation

Heading / Comments / Notes  
& Examples

### Check List 4. ACCESSIBLE PARKING, PASSENGER LOADING, AND BUS STOPS

#### PARKING STRUCTURES

**4.17** Provide and indicate 98" min (8' - 2") vertical clearance at the accessible parking stalls and at vehicle routes to and from these stalls.

**EXCEPTIONS:**

- a. Where DSA determines that compliance with building standards would create an unreasonable hardship, an exception may be granted when equivalent facilitation is provided.
- b. In existing buildings where DSA determines that, due to legal or physical constraints, compliance with building standards or equivalent facilitation would create an unreasonable hardship.

**4.18** In multi-story parking structures, provide accessible parking stalls on the following levels:

1. All floor levels that have accessible walks or ramps leading to the exterior.
2. All floor levels that have accessible walks (incl. skywalks) or ramps leading to adjacent buildings.
3. All floor levels that have additional benefits or amenities, such as electrical charging stations, better security, scenic views, or other public accommodations such as shops, telephones, smoking areas, long-term parking, etc.

**4.19** Locate accessible parking closest to elevator, ramp or other accessible entrances.

**4.20** When direct access is provided for pedestrians from a parking garage to a building, each direct entrance from the garage to the building must be accessible.

#### PASSENGER LOADING ZONES

**4.21** Provision of valet parking does not eliminate any of the requirements for accessible parking (i.e. provide all features to allow self parking).

**4.22** Where valet parking is provided, provide accessible passenger loading zone.

**4.23** Indicate type, location, and layout of all passenger drop-off and loading zones on site plan.

**4.24** Where provided, one passenger drop-off and loading zone must be made accessible. Connect dashed accessible route of travel to area.

CBC 1130B

CBC 1130B.1

CBC 1129B.1

CBC 1129B.1

CBC 1130B.2

CBC 1131B

CBC 1131B.3

CBC 1131B.3

CBSC Part 1  
4-317(b)

CBC 1131B.2

Parking structures

**NOTE:**  
Jurisdictional findings and determinations for exception (b) are subject to an internal DSA appeals process.

Accessible parking required –  
General

Accessible parking required –  
General

Parking structures

Passenger drop-off and loading  
zones

Valet parking

Valet parking

Plans

Passenger loading zones

4

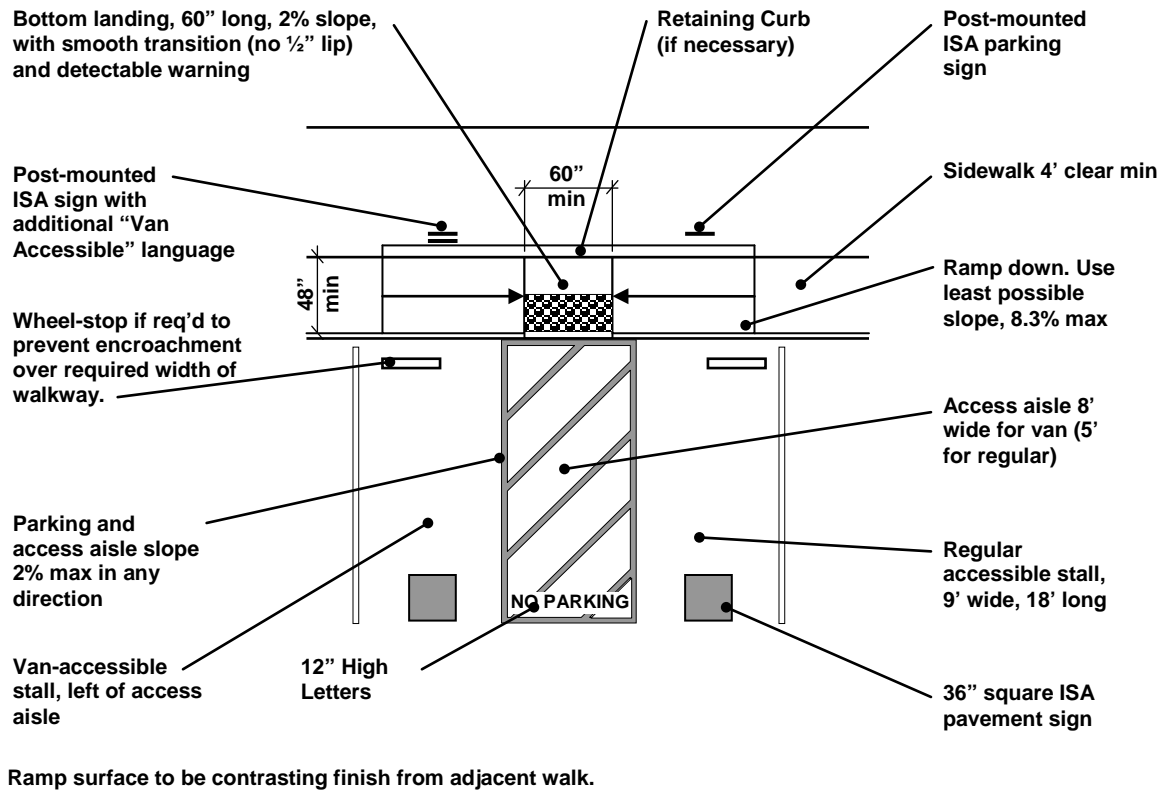
Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /  
Reference  
or Code Citation

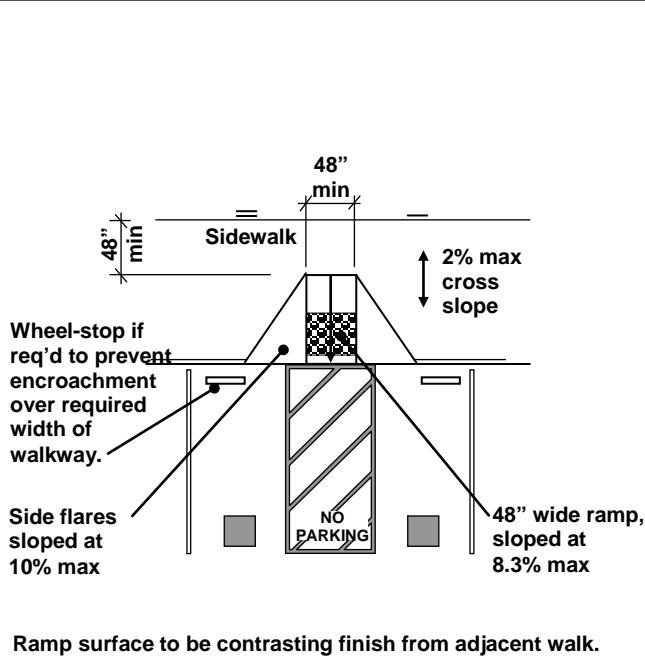
Heading / Comments / Notes  
& Examples

#### Check List 4. ACCESSIBLE PARKING, PASSENGER LOADING, AND BUS STOPS

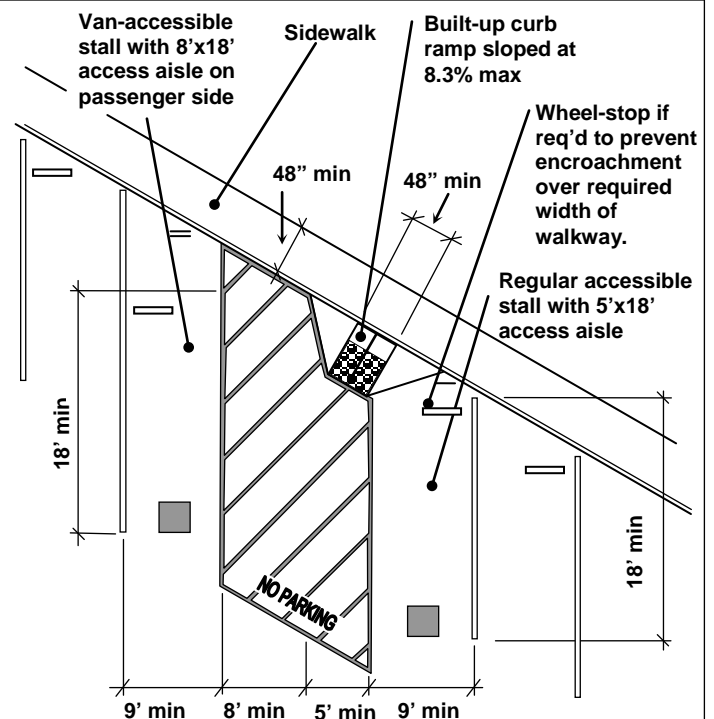
<p><b>4.25</b> Provide enlarged plan in 1/4" scale representing the actual layout, including associated sidewalks and curb ramps, for all accessible passenger loading zones. Provide and indicate:</p> <ol style="list-style-type: none"> <li>1. 5' x 20' access aisle adjacent and parallel to the vehicle pull-up space.</li> <li>2. Level access aisle and vehicle pull-up space (2% max in any direction).</li> <li>3. Indicate a curb ramp if there is a curb between the access aisle and the vehicle pull-up space, or if there is a curb between the access aisle and the accessible route.</li> <li>4. Vertical clearance of 114" min along at least one vehicle access route to such zones (from site entrances &amp; exits).</li> <li>5. Identifying signage with the ISA and stating "Passenger Loading Zone Only", in white on a dark blue background.</li> <li>6. Detectable warning surface at blended transitions and curb ramps.</li> </ol>	<p>CBSC Part 1 4-317(b)</p> <p>CBC 1131B.2 #1</p> <p>CBC 1131B.2 #1</p> <p>CBC 1131B.2 #1</p> <p>CBC 1131B.2 #2</p> <p>CBC 1131B.2 #1</p> <p>CBC 1133B.8.5, ADA Stds. 4.29.5, &amp; IRs 11B-2, 11B-3 &amp; 11B-4</p>	<p>Plans</p> <p>Passenger loading zones – General</p> <p>Passenger loading zones – General</p> <p>Passenger loading zones - General</p> <p>Passenger loading zones – Vertical Clearance</p> <p>Accessible passenger loading zones</p> <p>Detectable Warnings at Hazardous Vehicular Areas</p>
<p><b>BUS STOPS</b></p>	<p>CBC 1121B.2</p>	<p>Bus stops and terminals</p>
<p><b>4.26</b> Where provided, bus stop(s) and pad(s) shall be accessible.</p>	<p>CBC 1121B.2</p>	<p>Bus stops and terminals</p>
<p><b>4.27</b> Indicate location and layout of all accessible bus stops on site plan and connect dashed accessible route to bus stop pad.</p>	<p>CBSC Part 1 4-317(b)</p>	<p>Plans</p>
<p><b>4.28</b> Provide and indicate an 8' long by 5' wide bus stop pad (8' measured perpendicular to curb and 5' measured parallel to curb).</p>	<p>CBC 1121B.2.1</p>	<p>Bus stops and terminals – New construction</p>
<p><b>4.29</b> In new construction: provide a square curb surface between the pad and road or other detectable warning (provide detail).</p>	<p>CBC 1121B.2.1</p>	<p>Bus stops and terminals – New construction</p>
<p><b>4.30</b> The slope of the pad perpendicular to the roadway must not exceed 2%.</p>	<p>CBC 1121B.2.1</p>	<p>Bus stops and terminals – New construction</p>
<p><b>4.31</b> The slope of the pad parallel to the roadway must be the same as the roadway.</p>	<p>CBC 1121B.2.1</p>	<p>Bus stops and terminals – New construction</p>
<p><b>4.32</b> Provide 30" x 48" clear floor wheelchair space completely within bus stop shelter and connect space to bus stop pad and accessible route of travel.</p>	<p>CBC 1121B.2.1</p>	<p>Bus stops and terminals – New construction</p>
<p><b>ON STREET PARKING</b></p>		
<p><b>4.33</b> Additional information for on-street parking, see also Caltrans Standard Plans A90A and A90B.</p>	<p>Caltrans Std Plans</p>	<p>For Standard Plans, see: <a href="http://www.dot.ca.gov/hq/esc/oe/project_plans/HTM/06_plans_disclaim_US.htm">http://www.dot.ca.gov/hq/esc/oe/project_plans/HTM/06_plans_disclaim_US.htm</a></p>



**Fig 4-A. Depressed Curb Ramp at Accessible Parking (Typical)**



**Fig 4-B. Curb Ramp at Accessible Parking**



Ramp surface to be contrasting finish from adjacent walk.

Note that neither built-up curb ramp, nor sidewalk protrude into the required, perpendicular 18'x17' van space, or the 18'x14' regular space.

**Fig 4-C. Built-up Curb Ramp at Accessible Angled Parking**

**5**

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification / Reference or Code Citation

Headings / Comments / Notes & Examples

**Check List 5. CURB RAMPS AND PEDESTRIAN CROSSINGS**

**5.1** For additional scoping requirements and exceptions see also applicable **DSA-AC Checklist 1**.

**CURB RAMPS**

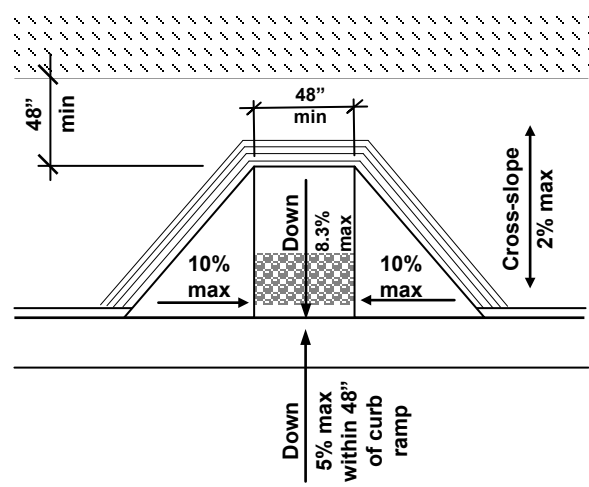
**5.2** Indicate location and layout of all curb ramps on site plan.

**5.3** Typical curb ramp details must match actual layout. Provide dimensioned detail in 1/4" scale representing the actual layout, including associated sidewalks, for all accessible curb ramps under this contract.

**5.4** Curb ramps cannot project into vehicular traffic lanes or into an accessible parking space or adjacent access aisle.

**5.5** Indicate 48" min width exclusive of side flares.

**5.6** Provide spot elevations at top and bottom of curb ramp and at relevant spots on sidewalk.



**Sample Curb Ramp**

**5.7** Indicate curb ramp slope based on available length and elevation change. Use the least possible slope but never greater than the 8.3% max.

**5.8** Indicate side flare slope (10% max, or 8.3% max if top landing is less than 48").

**5.9** Indicate counter slope of adjoining gutters or road surface at the bottom of and immediately adjacent to the curb ramp (5% max for 48" in the direction of travel).

CBC 1127B.5

CBSC Part 1 4-317(b)

CBSC Part 1 4-317(b)

CBC 1127B.5 #1  
CBC 1129B.3 #3

CBC 1127B.5 #2

CBSC Part 1 4-317(b)

CBC 1127B.5 #3 & ADA Stds 4.7.2

CBC 1127B.5 #3  
CBC 1127B.5 #4

CBC 1127B.5 #3  
ADA Stds 4.7.2

Plans

Plans

Curb ramps - General  
Parking space size - Arrangement of parking space

Width of curb ramps

Plans

DEFINITIONS:

**CURB RAMP** is a sloping pedestrian way, intended for pedestrian traffic, which provides access between a walk or sidewalk and a surface located above or below an adjacent curb face.

**CURB CUT** is an interruption of a curb at a pedestrian way, which separates surfaces that are substantially at the same elevation.

Slope of curb ramps  
Curb ramps - slope

Slope of curb ramps  
Level landing

Slope of curb ramps  
Slope

**5**

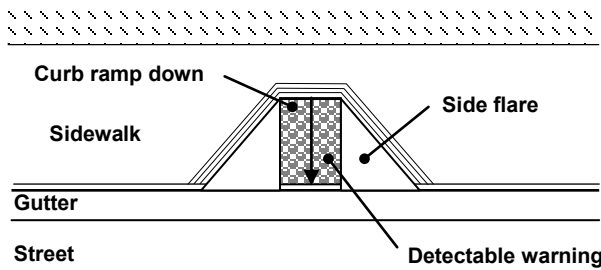
Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification / Reference or Code Citation

Headings / Comments / Notes & Examples

**Check List 5. CURB RAMPS AND PEDESTRIAN CROSSINGS**

**5.10** Provide and indicate detectable warning surface (i.e. truncated domes) at perpendicular curb ramp. Domes must extend the full width and length of the curb ramp, excluding the flares.



**Perpendicular Curb Ramp**

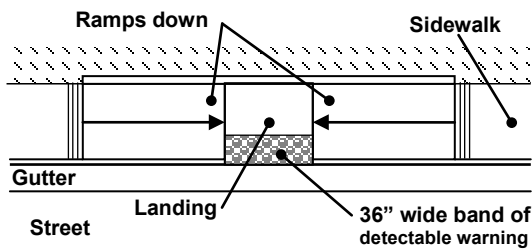
CBC 1127B.5 #7, DSA-IR 11B-3, DSA-IR 11B-4 & ADA Stds 4.7.7

Detectable warnings  
Detectable warnings at curb ramps  
Detectable warnings  
Detectable warnings

NOTE:  
DSA may approve a 36" long warning surface as equivalent to full width and length in accordance with IR 11B-4.

NOTE:  
As of July 26, 2001, ADA Stds requires the provision of truncated domes on all curb ramps, regardless of slope.

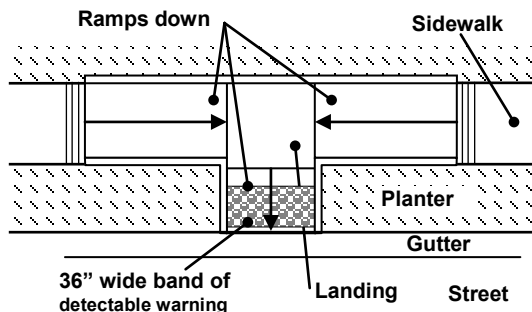
**5.11** Provide and indicate detectable warning surface (i.e. truncated domes) at parallel or combination curb ramp. Provide 36" wide band of detectable warning between pedestrian area and vehicular way.



**Parallel Curb Ramp**

CBC 1133B.8.5 & ADA Stds 4.29.5

Detectable warnings at hazardous vehicular areas



**Combination Curb Ramp**

**5**

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification / Reference or Code Citation

Headings / Comments / Notes & Examples

**Check List 5. CURB RAMPS AND PEDESTRIAN CROSSINGS**

- 5.12** Indicate the following for detectable warning surfaces
1. Visual contrast with adjoining surfaces, either a light-on-dark or dark-on-light contrast.
  2. Staggered domes (diagonal grid) spaced 2.35" on center, or in-line domes (square grid) spaced 1.67" to 2.35" on center.

CBC 1127B.5 #7

Detectable warnings

CBC 1127B.5 #7  
DSA-IR 11B-4

Detectable warnings  
Detectable warnings

**5.13** Detectable warnings shall be slip-resistant.

CBC 1127B.5 #7

Detectable warnings

**5.14** Provide dimension on plan indicating that the 48" landing at the bottom of the curb ramp is fully contained within marked crossings.

CBC 1127B.5 #9,  
CBC Fig. 11B-22(c) & (d),  
ADA Stds 4.7.9 &  
ADA Stds Fig. 15

Diagonal curb ramps  
Curb ramps at marked crossings  
Location at marked crossings  
Curb ramps at marked crossings

**5.15** Design to provide 48" min deep level top landing or slope flares at 8.3% max.

CBC 1127B.5 #4

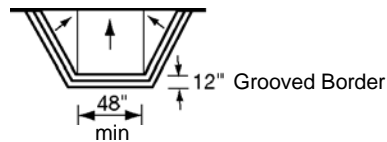
Level landing

NOTE:  
The length of a curb ramp (sloped 8.3%) at a regular sidewalk with 2% cross slope and 6" curb is 95".

**5.16** Provide 12" wide grooved border around upper edges of curb ramp and flares to indicate transition from sidewalk to curb ramp.

CBC 1127B.5 #6

Border



**Perpendicular Curb Ramp**

**5.17** Provide 12" wide grooved border as part of level walkway, not as part of sloped curb ramp and flares.

CBC 1127B.5 #6

Border

**5.18** Indicate how finish of curb ramp and flared surfaces contrast with that of adjacent sidewalk.

CBC 1127B.5 #5

Finish



**5**

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification / Reference or Code Citation

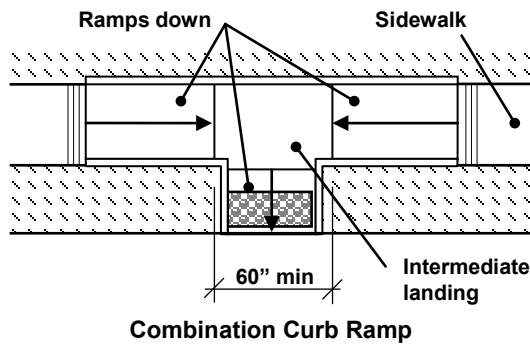
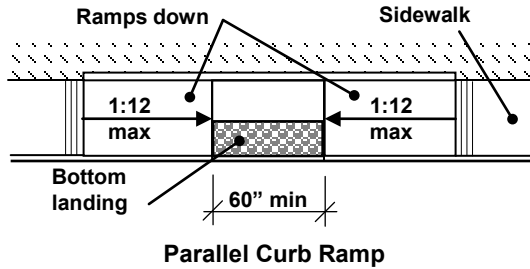
Headings / Comments / Notes & Examples

**Check List 5. CURB RAMPS AND PEDESTRIAN CROSSINGS**

**5.19** Provide and indicate 60" min wide bottom or intermediate landing at depressed or combination curb ramp.

CBC 1133B.5.4.7 & ADA Stds 4.8.4(2)

Other intermediate landings Landings



**PEDESTRIAN CROSSINGS**

**5.20** At diagonal curb ramps, provide dimension on plan, indicating a 24" straight curb segment, perpendicular to the direction of the cross walks, on each side of the curb ramp.

CBC 1127B.5 #9, CBC Fig. 11B-22 & ADA Stds 4.7.10

Diagonal curb ramps  
Curb ramps at marked crossings  
Diagonal curb ramps

**5.21** At diagonal curb ramps, there must be a 24" straight curb segment within the marked crossing.

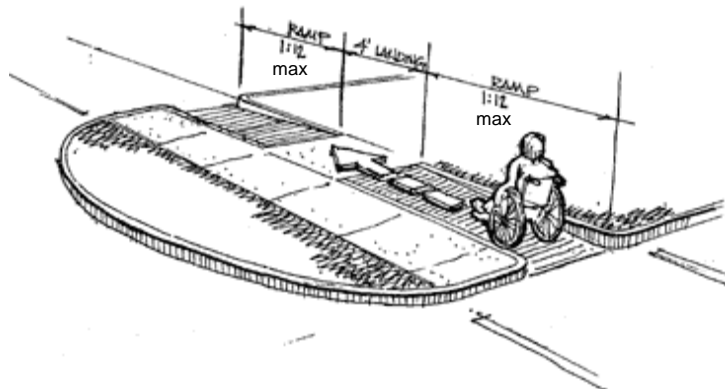
CBC 1127B.5 #9

Diagonal curb ramps

**5.22** Provide level cut through pedestrian island (median), or provide a crowned cut through sloped at 8.3% max with a 48" min long top landing.

ADA Stds 4.7.11 & ADA Stds Fig. 15 (a) & (b)

Islands  
Curb ramps at marked crossings



5

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification / Reference or Code Citation

Headings / Comments / Notes & Examples

**Check List 5. CURB RAMPS AND PEDESTRIAN CROSSINGS**

5.23 Provide and indicate a level 30" x 48" min clear space, centered and parallel to the pedestrian signal push button.

CBC 1118B.4 #1

Clear floor or ground space for wheelchairs - Size and approach

5.24 Indicate height of pedestrian signal push button (48" max).

CBC 1117B.5.9

Traffic-control devices

5.25 Provide and indicate the following at the pedestrian signal push button:

- 1. Activating force must be 5 lbs or less.
- 2. A textured horizontal yellow band 2" wide and encircling the pole, and a 1" wide dark border band above and below this yellow band.

CBC 1117B.6 #4

Controls and operating mechanisms - Operation  
Traffic-control devices

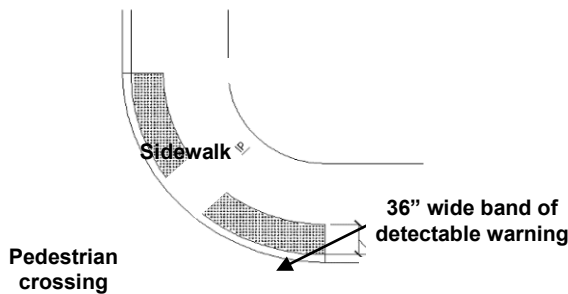
CBC 1117B.5.9

**BLENDED TRANSITIONS**

5.26 Where a walk crosses or adjoins a vehicular way, and the walking surfaces are not separated by curbs, railings, or other elements between the pedestrian areas and vehicular areas, the boundary between the areas must be defined by a continuous, yellow, 36" wide detectable warning surface that differs from the adjoining walking surface in resiliency or sound on cane contact.

CBC 1133B.8.5 & ADA Stds 4.29.5

Detectable warnings at hazardous vehicular areas  
Detectable warnings at hazardous vehicular areas



**APPLICATION IN THE PUBLIC RIGHTS-OF-WAY**

5.27 For acceptable designs for curb ramps, traffic islands, blended transitions, and detectable warnings in the public rights-of-way, see Caltrans Standard Plans A88A and A88B.

Caltrans Std Plans

For Standard Plans, see: [http://www.dot.ca.gov/hq/esc/oe/project\\_plans/HTM/06\\_plans\\_disclaim\\_US.htm](http://www.dot.ca.gov/hq/esc/oe/project_plans/HTM/06_plans_disclaim_US.htm)

**5**

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /  
Reference  
or Code Citation

Headings / Comments / Notes  
& Examples

### Check List 5. CURB RAMPS AND PEDESTRIAN CROSSINGS

#### PEDESTRIAN OVERPASSES AND UNDERPASSES

**5.28** Pedestrian ramps on pedestrian grade separations (overpasses and underpasses) must comply with the requirements for ramps.

**EXCEPTIONS:**

- a. When the grade differential of the walking surface of a pedestrian grade separation exceeds 14 feet due to required height clearance and grade conditions, and DSA finds that wheelchair accessibility or equivalent facilitation would create an unreasonable hardship, such accessibility need not be provided. However, the requirements in these regulations relating to other types of mobility shall be complied with.
- b. For existing facilities, this section shall not apply where, due to legal or physical constraints, the site of the project will not allow compliance with these regulations or equivalent facilitation without creating an unreasonable hardship.

**5.29** Provide and indicate level landings at pedestrian over- and underpasses:

1. At intervals not exceeding 30" of vertical rise, if slope is greater than 5%.
2. At intervals of 400' maximum if a continuous slope is between 2% and 5%.

CBC 1128B

Pedestrian grade separations (overpasses and underpasses)

NOTE:

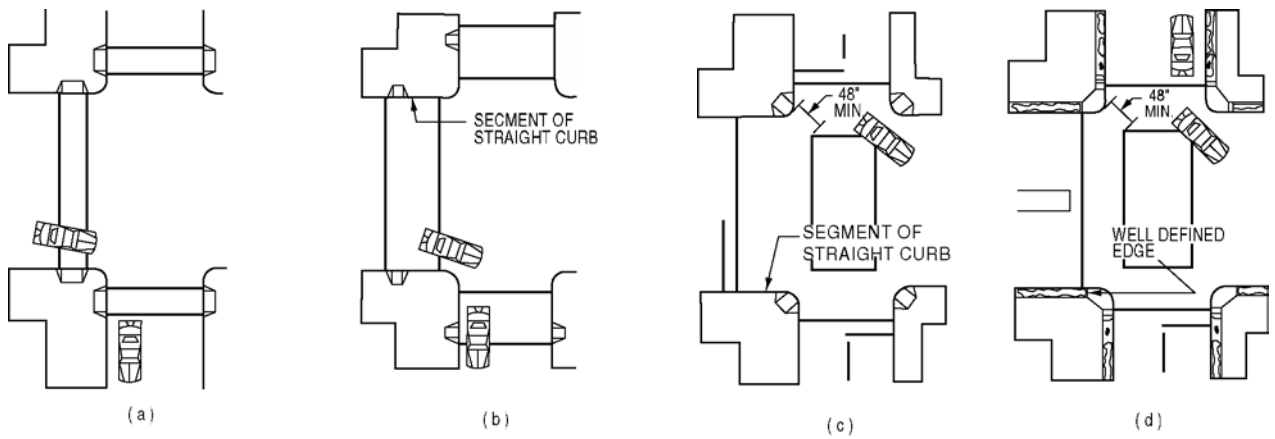
Jurisdictional findings and determinations for exceptions (a) and (b) are subject to an internal DSA appeals process.

CBC 1133B.5.4.1

Location of landings

CBC 1133B.7.5

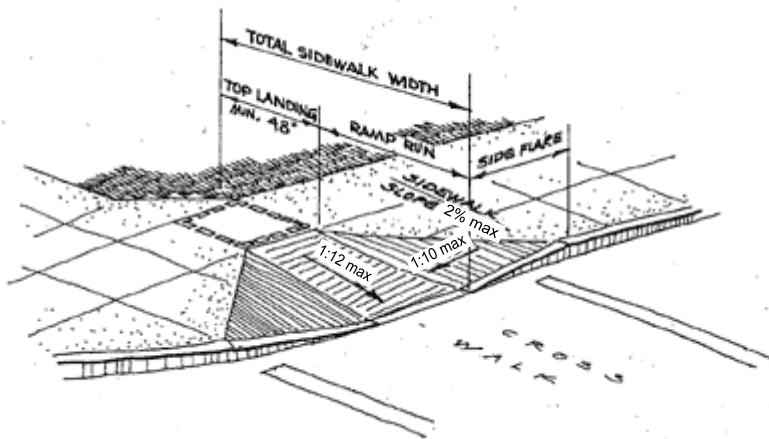
Level areas



**Fig 5-A. Typical Pedestrian Crossing Layouts**

Height of Curb Face	1:10 max. Flare Width at Curb	Ramp Run Length (Plan)*	Total Needed Sidewalk Width (incl. 4' Landing)
4" (10.2 cm)	40" (1.02 m)	63" (1.6 m)	111" (2.82 m)
5" (12.7 cm)	50" (1.27 m)	78" (1.98 m)	126" (3.2 m)
6" (15.2 cm)	60" (1.52 m)	95" (2.41 m)	143" (3.63 m)
7" (17.8 cm)	70" (1.78 m)	111" (2.82 m)	159" (4.04 m)
7.5" (19.0 cm)	75" (1.90 m)	118.5" (3.01 m)	166.5" (4.23 m)
8" (20.3 cm)	80" (2.03 m)	126" (3.2 m)	174" (4.42 m)

\* For ramp sloping 8.3% on sidewalk with 2% cross slope



**Fig 5-B. Sidewalk Width Requirement**

**6**

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification / Reference or Code Citation

Headings / Comments / Notes & Examples

**Check List 6. WALKS AND SIDEWALKS**

**6.1** For additional scoping requirements and exceptions see also applicable **DSA-AC Checklist 1**.

**6.2** All walks and sidewalks must be accessible (i.e. those that are to be newly constructed or altered, or are part of the required accessible route of travel).

**EXCEPTION:**

In alteration projects, when DSA determines that compliance would create an unreasonable hardship, an exception may be granted when an equivalent alternative accessible path of travel is provided.

**6.3** Provide and indicate enlarged detail of surface material transition at:

1. Any change in surface material.
2. Where new construction meets existing surface.

**6.4** Vertical changes in level along the accessible route of travel cannot exceed 1/4". Level changes in the accessible route between 1/4" and 1/2" must be beveled at 1:2 max slope.

**6.5** Provide and indicate continuous common surface material to be slip resistant, stable, and firm.

**6.6** Provide and indicate width of walk or sidewalk at all locations.

1. 48" min width required.
2. Wheelchair turning space 60" min wherever a person using a wheelchair may have to make a 180 degree or greater turn to access elements or equipment (e.g., at doors, gates, tables and seating accommodations, dispensers, drinking fountains, mail boxes, telephones, etc.).
3. 60" min width if there are no passing spaces measuring 60" by 60" min located at reasonable intervals not to exceed 200'. A T-shaped space complying with CBC Figure 11B-12(b) is an acceptable passing space.

**EXCEPTION:**

When, because of right-of-way restrictions, natural barriers or other existing conditions, DSA determines that compliance with the 48" clear sidewalk width would create an unreasonable hardship, the clear width may be reduced to 36".

CBC 1114B.1.2

CBSC Part 1 4-317(b)

CBC 1133B.7.4  
CBC 1124B.2

CBC 1133B.7.1 & CBC 1124B.1

CBC 1133B.7.1

CBC 1118B.3 & ADA Stds. 4.2.3

CBC 1133B.7.1  
CBC Fig. 11B-12(b)  
ADA Stds 4.3.4

CBC 1133B.7.1

Accessible route of travel

DEFINITIONS:

**SIDEWALK** is a surfaced pedestrian way contiguous to a street used by the public.

**WALK** is a surfaced pedestrian way not located contiguous to a street used by the public.

Plans

Changes in level  
Changes in level

Continuous surface  
Ground and floor surfaces

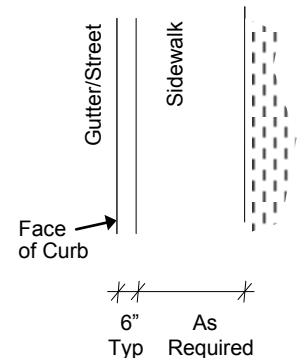
Continuous surface

Wheelchair turning space  
Wheelchair turning space

Continuous surface  
Passing space

NOTE:

Required sidewalk width must be measured exclusive of the curb.



**6**

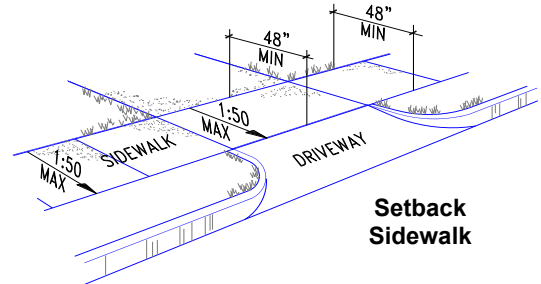
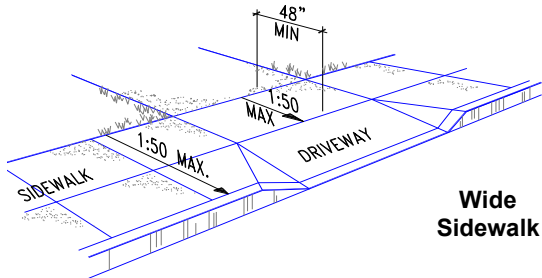
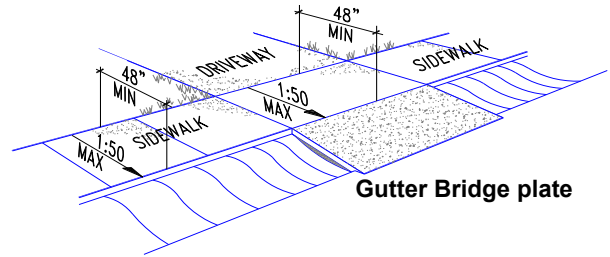
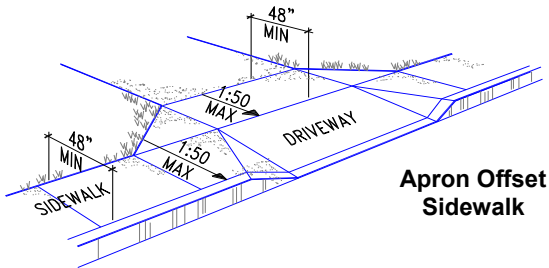
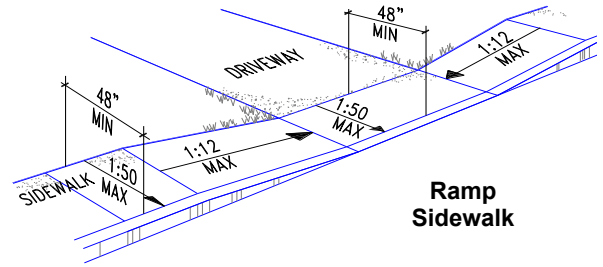
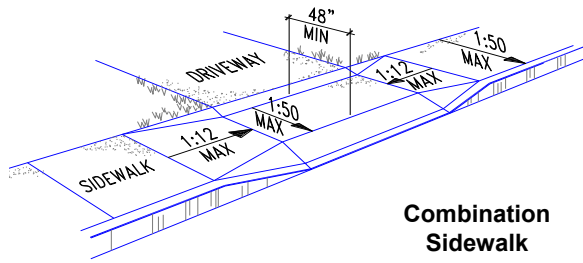
Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /  
Reference  
or Code Citation

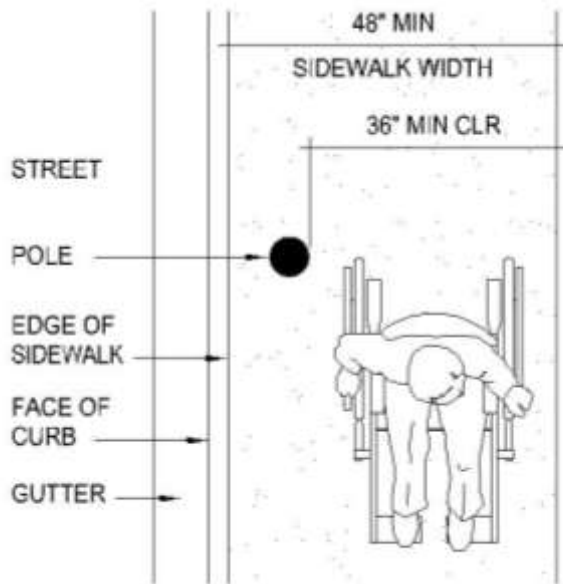
Headings / Comments / Notes  
& Examples

### Check List 6. WALKS AND SIDEWALKS

<p><b>6.7</b> Provide spot elevation and gradients to show how slope requirements are met.</p>	<p>CBSC Part 1 4-317(b)</p>	<p>Plans</p>
<p><b>6.8</b> Slope perpendicular to the direction of travel (cross slope) shall not exceed 2%.</p>	<p>CBC 1133B.7.1.3 &amp; ADA Stds. 4.3.7</p>	<p>Surface cross slopes Slope</p>
<p><b>6.9</b> At driveway, show how the 2% cross slope requirement is met. At a minimum, provide and indicate a 48" wide portion of the sidewalk to comply. Provide section through driveway.</p> <p>EXCEPTION:  When, due to right-of-way restrictions, natural barriers or other existing conditions, DSA determines that compliance with the 48" clear sidewalk width would create an unreasonable hardship, the clear width may be reduced to 36".</p>	<p>CBSC Part 1 4-317(b) &amp; CBC 1133B.7.1.3</p> <p>CBC 1133B.7.1</p>	<p>Plans Surface cross slopes</p> <p>Surface cross slopes</p>
<p><b>6.10</b> Slope exceeds 5% - provide curb ramp at this location. See <b>Checklist 5</b> for requirements.</p>	<p>CBC 1127B.5</p>	<p>Ramps</p>
<p><b>6.11</b> Slope exceeds 5% - provide ramp at this location. See <b>Checklist 7</b> for requirements.</p>	<p>CBC 1133B.5</p>	<p>Ramps</p>
<p><b>6.12</b> Provide a level resting area 5' in length at intervals of 400' maximum, or indicate that slope in the direction of travel is 2% or less by providing spot elevations.</p>	<p>CBC 1133B.7.5</p>	<p>Level areas</p>
<p><b>6.13</b> Provide a passing space, measuring 60" x 60" every 200' min, or indicate width of walk to be 60" or more.</p>	<p>CBC 1133B.7.1</p>	<p>Continuous surface</p>
<p><b>6.14</b> Provide level areas (2% max slope in any direction) at doors and gates.</p>	<p>CBC 1133B.2</p>	<p>Doors</p>
<p><b>6.15</b> Walks, sidewalks, and pedestrian ways shall be free of gratings whenever possible. See <b>Checklist 3</b> for exceptions.</p>	<p>CBC 1133B.7.2</p>	<p>Gratings</p>
<p><b>6.16</b> Identify location of all gratings within the path of travel and provide cut sheet of gratings for back check review. If gratings are located in walking surfaces, then grate openings cannot exceed 1/2" in the direction of travel flow. Elongated openings should be placed perpendicular to the dominant direction of travel.</p>	<p>CBC 1124B.4 CBC 1133B.7.2 ADA Stds. 4.5.4</p>	<p>Ground/floor surfaces-Gratings Walks/Sidewalks-Gratings Gratings</p>
<p><b>6.17</b> If the level change between walk/sidewalk and adjacent surface exceeds 4" in height, provide detail and indicate a 6" warning curb or appropriate guide rails.</p>	<p>CBC 1133B.8.1</p>	<p>Warning curbs</p>
<p><b>6.18</b> If the level change between walk/sidewalk and adjacent surface exceeds 30" in height, provide detail and indicate guards (42" AFF).</p>	<p>CBC 1013</p>	<p>Guards</p>



**Fig 6-A. Examples of Sidewalk Driveway Connections**



**Fig 6-B. Sidewalk Width**

**7**

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /  
Reference  
or Code Citation

Headings / Comments / Notes  
& Examples

**Check List 7. ACCESSIBLE RAMPS**

**7.1** For additional scoping requirements and exceptions see also applicable **DSA-AC Checklist 1**.

**RAMPS**

CBC 1133B.5

**7.2** Indicate location, layout, and slope of all ramps on site plan.

CBSC Part 1  
4-317(b)

Plans

**7.3** All ramps under this contract must be made accessible (i.e. those that are to be newly constructed or altered, or are part of the required path of travel).

CBC 1114B.1.2

Accessible route of travel

EXCEPTION: In alteration projects, when DSA finds unreasonable hardship and when an alternative accessible path of travel is provided.

**7.4** Indicate compliance status of existing ramps in the path of travel (slope, width, landings, etc.).

CBSC Part 1  
4-317(b)

Plans

**7.5** Provide enlarged plan and sections (longitudinal and transversal) of ramp in 1/4" scale.

CBSC Part 1  
4-317(b)

Plans

**7.6** Typical ramp detail provided is not similar to actual layout. Modify to provide dimensioned detail in 1/4" scale representing the actual layout.

CBSC Part 1  
4-317(b)

Plans

**7.7** Indicate ramp slopes. Use least possible but never more than 8.3% max.

CBC 1133B.5.3  
ADA Stds 4.8.2

Ramps – Slope  
Ramps - Slope and rise

**7.8** Slope perpendicular to the direction of travel (cross slope) must be 2% or less.

CBC 1133B.5.3.1

Slope

**7.9** Provide spot elevations and ramp run dimensions at this location to show how slope requirements are met.

CBSC Part 1  
4-317(b)

Plans

**7.10** Ramp run cannot change direction between level landings.

CBC 1133B.5.4.1

Location of landings

**7.11** Provide and indicate slip-resistant ramp surface.

CBC 1124B.1

Ground and floor surfaces –  
general

**7.12** Provide and indicate width of ramp at all locations.

1. 48" min required.

CBC 1133B.5.2

Ramps - width

2. 60" min if serving an occupancy load of ≥300 and the entrance ramp is the only exit discharge path from a building.

CBC 1133B.5.2

Ramps - width

**7.13** Provide and indicate one of the following at ramps which are not bounded by a wall OR where handrails or guards are attached to the ramp surface with posts or similar elements.

CBC 1133B.5.6  
ADA Stds. 4.1.7

Wheel guides  
Edge protection

1. Guide curb 2" high minimum above ramp surface.

2. Wheel guide rail centered at 3" AFF (+/- 1") above ramp surface.



**7**

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /  
Reference  
or Code Citation

Headings / Comments / Notes  
& Examples

**Check List 7. ACCESSIBLE RAMPS**

Guide curbs or wheel guide rails shall provide a continuous and uninterrupted barrier along the length of the ramp.

**RAMP LANDINGS**

**7.14** Provide and indicate dimension of top landing.

1. 60" x 60" min.
2. Level (2% max slope).

CBC 1133B.5.4

Landings

**7.15** Provide and indicate dimension of bottom landing.

1. 72" long and as wide as the ramp, if no change in direction.
2. 72" long and 60" wide, if change in direction.
3. Level (2% max slope).

CBC 1133B.5.4.2

Size of top and bottom landings

CBC 1133B.5.4.1

Location of landings

CBC 1133B.5.4.2 &  
CBC 1133B.5.4.5

Size of top and bottom landings  
Landing width

ADA Stds 4.8.4(3)

Ramps – Landings

CBC 1133B.5.4.1

Location of landings

**7.16** Provide and indicate dimension of intermediate landing.

1. 60" long and as wide as the ramp, if no change in direction.
2. 72" long and 60" wide, if change in direction.
3. Level (2% max slope).
4. Provide intermediate landing at each change in direction.

CBC 1133B.5.4.5 &  
CBC 1133B.5.4.7

Landing width  
Other intermediate landings

CBC 1133B.5.4.6 &  
ADA Stds 4.8.4(3)

Change of direction  
Ramps – Landings

CBC 1133B.5.4.1

Location of landings

CBC 1133B.5.4.1

Location of landings

**7.17** Provide and indicate dimension of ramp landing at door or gate.

1. Doors at ramp landings shall comply with the maneuvering clearances of 1133B.2.4.2.
2. Doors in any position cannot reduce the minimum dimension of the landing to less than 42".
3. Fully opened doors cannot reduce the required width of the landing by more than 3".
4. Level (2% max slope).

CBC 1133B.2.4.2 &  
CBC 1133B.5.4.3

Maneuvering clearances at doors  
Doors at ramp landings

CBC 1133B.5.4.4

Encroachment of doors

CBC 1133B.5.4.4

Encroachment of doors

CBC 1133B.5.4.1

Location of landings

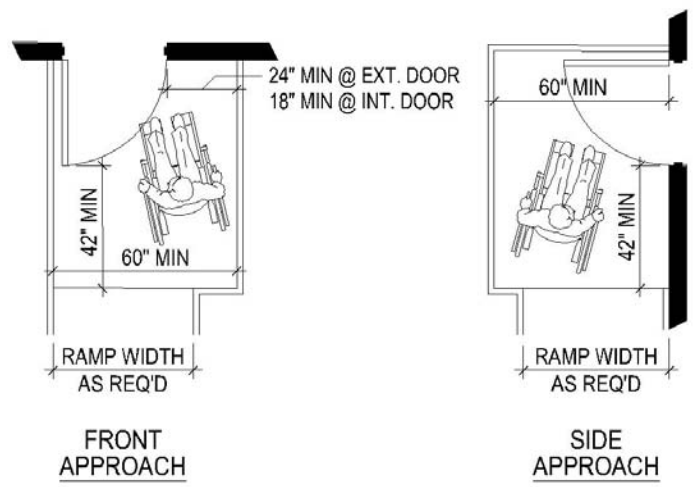
**7**

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification / Reference or Code Citation

Headings / Comments / Notes & Examples

**Check List 7. ACCESSIBLE RAMPS**



- 7.18 Provide intermediate landings at intervals not exceeding 30" of vertical rise.
- 7.19 If ramps change direction at landings, the intermediate and bottom landings shall be a minimum of 60" wide.
- 7.20 Indicate how exterior ramps and landings are designed so that water will not accumulate on walking surface.
- 7.21 Provide enlarged detail, showing smooth transition between ramp runs, landings, and existing surfaces.

**HANDRAILS FOR RAMPS**

- 7.22 Provide handrails on both sides of ramp.  
EXCEPTIONS:
  - a. Ramps at exterior door landings that rise less than 6" or have a projection of less than 72".
  - b. Curb ramps.
  - c. Ramps immediately adjacent to seating in assembly areas.
- 7.23 Handrails must be continuous the full length of the ramp run, plus extensions.
- 7.24 Inside handrails at switchback or dogleg ramps must be continuous.
- 7.25 Top of gripping surface must be between 34" and 38" AFF.

- CBC 1133B.5.4.1
- ADA Stds 4.8.4(3)
- CBC 1133B.5.8
- CBSC Part 1 4-317(b)
- CBC 1133B.5.5.1, &
- CBC 1133B.5.5.1
- CBC 1133B.5.5.1
- CBC 1133B.5.5.1

- Location of landings
- Landings
- Outdoor ramps
- Plans
- Handrails for ramps
- Handrails for ramps
- Handrails for ramps
- Handrails for ramps

**7**

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification / Reference or Code Citation

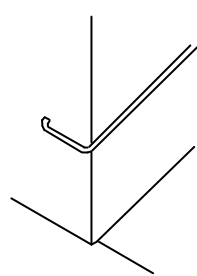
Headings / Comments / Notes & Examples

**Check List 7. ACCESSIBLE RAMPS**

**7.26** Extend handrail 12" beyond the top and bottom of the ramp run.

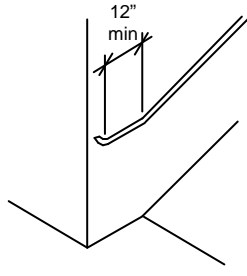
CBC 1133B.5.5.1 & ADA Stds 4.8.5(2)

Ramp handrails  
Handrails



**Not Acceptable**

Handrail at landing does NOT extend 12 inches minimum in the direction of the ramp run.



**Acceptable**

Handrail at landing extends 12 inches minimum in the direction of the ramp run.

**NOTE:**  
Top and bottom handrail extensions are important safety features for persons with mobility impairments and must extend in the direction of the ramp run to permit the intended use.

**7.27** Handrail extension cannot extend into the required width of an adjacent route of travel. Relocate ramp or modify design.

CBC 1133B.8.6.1

Protruding objects - General

**7.28** Handrail extensions must be parallel to landing surface.

CBC 1133B.5.5.1 &

Handrails

**7.29** Provide cane detectable rail portion below 27" AFF if portion of rail that is more than 27" AFF protrudes more than 4" into a perpendicular running circulation path.

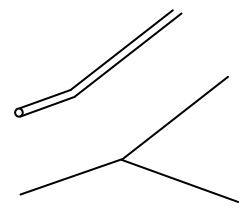
CBC 1133B.8.6.1

Protruding objects - General

**7.30** Return ends of handrail extension to wall, floor or post.

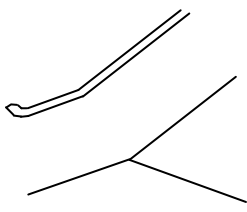
CBC 1133B.5.5.1

Handrails for ramps



**Hazardous**

Handrail extension does not terminate safely to the wall, floor or post.



**Compliant**

Handrail extension end is returned to wall.

**7.31** Indicate gripping portion of handrail to be 1-1/4" to 1-1/2" in cross-sectional nominal dimension or provide shape with equivalent gripping surface (i.e. 4" to 6-1/4" perimeter, and 2-1/4" max in any direction).

CBC 1133B.5.5.1

Handrails for ramps

**NOTE:**  
When using industry standard round steel handrails (1-1/2" nominally dimensioned) DSA may approve an actual outside diameter of 1-7/8" max.

**7**

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification / Reference or Code Citation

Headings / Comments / Notes & Examples

**Check List 7. ACCESSIBLE RAMPS**

**7.32** Provide and indicate 1-1/2" clearance from adjacent obstruction (wall or guard).

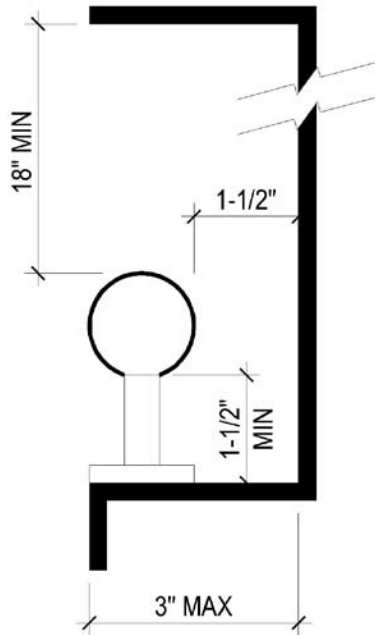
CBC 1133B.5.5.1 &

Handrails for ramps

**7.33** Recess to be 3" deep maximum with 18" min height, measured from the top of the handrail.

CBC 1133B.5.5.1

Handrails for ramps



**7.34** All gripping surfaces must be smooth, with no sharp edges, continuous, without interruption by newel posts, and other construction elements, or obstructions.

CBC 1133B.5.5.1, ADA Stds 4.9.4(4) & ADA Stds 4.26

Handrails for ramps  
Handrails  
Handrails

**7.35** Handrails and adjacent walls or other surfaces shall be free of any sharp or abrasive elements. Edges shall have a minimum radius of 1/8".

CBC 1133B.5.5.1

Handrails for ramps

**7.36** Handrails may project into the required clear width a distance of 3-1/2" maximum from each side of a ramp at the handrail height.

CBC 1133B.5.5.1

Handrails for ramps

**7.37** Provide guards, 42" high, as a vertical barrier along the open edges of ramps, platform, or landings to prevent persons from falling off the open edge if drop exceeds 30".

CBC 1013  
CBC 1133B.5.7

Guards  
Guards

**7.38** Indicate that a sphere 4" in diameter cannot pass through any opening at guards (intermediate rails or an ornamental pattern).

CBC 1013.3

Opening Limitations

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /  
Reference  
or Code  
Citation

Headings / Comments / Notes  
& Examples  
  
(as applicable)

### Check List 8. DOORS AND GATES

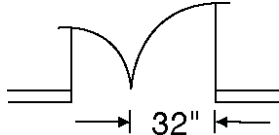
<p><b>8.1</b> For additional scoping requirements and exceptions see also applicable <b>DSA-AC Checklist 1</b>.</p>		
<p><b>8.2</b> Identify the following doors on plans and coordinate with numbers/characters in door schedule:</p> <ol style="list-style-type: none"> <li>1. All doors for new construction.</li> <li>2. All doors that are being altered in existing buildings.</li> <li>3. All doors in existing buildings that are in the accessible route of travel, including existing doors.</li> </ol>	<p>CBSC Part 1 4-317(b)</p>	<p>Plans</p>
<p><b>8.3</b> Include all doors in door schedule.</p>	<p>CBSC Part 1 4-317(b)</p>	<p>Plans</p>
<p><b>8.4</b> Provide the following information for each door in the door schedule:</p> <ol style="list-style-type: none"> <li>1. Door mark number/character.</li> <li>2. Room name/number.</li> <li>3. Width of door leaf or clear opening.</li> <li>4. Reference to sheet and detail for new or existing door types.</li> <li>5. Reference to sheet and detail for new or existing thresholds for exterior doors, and interior doors with special flooring transitions (gymnasium, rubber flooring, etc).</li> <li>6. Reference to sheet and detail for required signage including: tactile/Braille exit signs, restroom signs, entrance signs, identifying room signs, directional signs, etc.</li> <li>7. "Copy" of door signage.</li> <li>8. Hardware group for new doors or existing doors that are being altered.</li> </ol>	<p>CBSC Part 1 4-317(b)</p>	<p>Plans</p>
<p><b>8.5</b> Indicate either on plan or in schedule that existing door in the accessible route has accessible threshold, hardware, closer, and 10" smooth surface at bottom of push side (e.g. kick plate).</p>	<p>CBSC Part 1 4-317(b)</p>	<p>Plans</p>
<p><b>8.6</b> All entrances and ground floor exit doors must be made accessible.</p> <p>EXCEPTIONS:</p> <ol style="list-style-type: none"> <li>a. Exterior ground floor exits serving smoke-proof enclosures, stairwells and exit doors servicing stairs only.</li> <li>b. Exits in excess of those required by Chapter 10, and which are more than 24" above grade. Such doors shall have visual signs which indicate, by means of an arrow and/or text, the location of the nearest accessible exit. The warning sign shall comply with Section 1117B.5.1, Item 2.</li> <li>c. In existing buildings, where DSA determines that compliance would create an unreasonable hardship, an exception may be granted when equivalent facilitation is provided. Equivalent facilitation would require at least one entrance to be accessible.</li> </ol>	<p>CBC 1133B.1.1.1.1</p>	<p>Entrances</p>

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /  
Reference  
or Code  
Citation

Headings / Comments / Notes  
& Examples  
  
(as applicable)

### Check List 8. DOORS AND GATES

<p>d. In existing buildings where DSA determines that, due to legal or physical constraints, compliance with the height requirement or equivalent facilitation would create an unreasonable hardship.</p>		<p><b>NOTE:</b> Jurisdictional findings and determinations are subject to an internal DSA appeals process.</p>
<p><b>8.7</b> In existing buildings and facilities, a service entrance can not be the only accessible entrance unless it is the only entrance to a building or facility.</p>	<p>CBC 1133B.1.1.1.5</p>	<p>Services entrances</p>
<p><b>8.8</b> All doors on an accessible route of travel must be made accessible.</p>	<p>CBC 1114B.1.1</p>	<p>General</p>
<p><b>8.9</b> Revolving doors or turnstiles cannot be used as the only means of entrance and exit. Provide an accessible door adjacent, designed to facilitate the same use pattern.</p>	<p>CBC 1133B.2.3.3 CBC 1133B.2.3.4</p>	<p>Revolving doors Turnstiles, rails and pedestrian controls</p>
<p><b>8.10</b> Provide and indicate door leafs to be 3' - 0" min (4'-0" max) in width and 6' - 8" min in height.</p>	<p>CBC 1008.1.1 CBC 1133B.2.2</p>	<p>Size of doors Doors - Width and height</p>
<p><b>8.11</b> Hinged door must open at least 90°.</p>	<p>CBC 1133B.2.2</p>	<p>Hinged doors</p>
<p><b>8.12</b> Door must provide a clear opening of 32" when positioned at an angle of 90 degrees from the closed position (measured between the face of the door and the opposite stop).</p> <p>EXCEPTION: Doors not requiring full user passage, such as shallow closets (i.e., 24" or less in depth), may have the clear opening reduced to 20" minimum width.</p>	<p>CBC 1133B.2.2, &amp; CBC 1133B.2.3</p>	<p>Doors - Width and height Hinged doors</p>
<p><b>8.13</b> In existing buildings, when an exit is not accessible, provide a sign to direct people to the nearest accessible means of egress. The sign shall comply with CBC Section 1117B.5 and be mounted at a location so steps do not need to be retraced.</p>	<p>CBC 1007.10 CBC 1117B.5 ADA Stds 4.1.6(1)(h)</p>	<p>Accessible means of egress – signage Signs Entrances</p>
<p><b>8.14</b> Provide clear opening width dimension.</p>	<p>CBSC Part 1 4-317(b)</p>	<p>Plans</p>
<p><b>8.15</b> At double doors, with or without mullion, automatic or manual, indicate clear opening width of one of the doors to be 32" min.</p> 	<p>CBC 1133B.2.3.1 CBC 1133B.2.3.2</p>	<p>Pair of doors Automatic Doors</p>
<p><b>8.16</b> Provide and indicate a clear and level (2% slope) landing on each side of door.</p>	<p>CBC 1133B.2.4</p>	<p>Floor level at doors</p>
<p><b>8.17</b> Provide and indicate the following maneuvering clearances and level landings at door:</p> <ol style="list-style-type: none"> <li>1. Front approach to pull side of door must have maneuvering space that extends 24" min at exterior doors (18" min at interior doors) beyond the latch side of the door and 60" min perpendicular to the doorway.</li> </ol>	<p>CBC Fig. 11B-26A &amp; CBC Fig. 11B-26B</p>	<p>Level maneuvering clearances at doors</p>

**8**

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /  
Reference  
or Code  
Citation

Headings / Comments / Notes  
& Examples  
  
(as applicable)

**Check List 8. DOORS AND GATES**

- 2. Front approach to push side of door, equipped with closer and latch, must have maneuvering space that extends 12" min beyond the latch side of the door and 48" min perpendicular to the doorway.
- 3. Front approach to push side of door, not equipped with latch and closer, must have maneuvering space that is the same width as door opening and extends 48" min perpendicular to the doorway.
- 4. Hinge-side approach to pull side of door must have maneuvering space that extends 36" min beyond the latch side of the door and 60" min perpendicular to the doorway.
- 5. Hinge side approach to push side of door, equipped with latch and closer, must have maneuvering space of 54" min parallel to the doorway and 48" min perpendicular to the doorway.
- 6. Hinge-side approach to push side of door, not equipped with latch and closer, must have a maneuvering space of 54" min parallel to the doorway and 44" min perpendicular to the doorway.
- 7. Latch-side approach to pull side of door must have maneuvering space that extends 24" min beyond the latch side of the door and 60" min perpendicular to the doorway.
- 8. Latch-side approach to push side of door, with closers, must have maneuvering space that extends 24" min parallel to the doorway beyond the latch side of the door and 48" min perpendicular to the doorway.
- 9. Latch-side approach to push side of door, not equipped with closers, must have maneuvering space that extends 24" min parallel to the doorway beyond the latch side of the door and 44" min perpendicular to the doorway.

**8.18** When a door is located in a recess or alcove and the plane of the doorway is offset 8" or more from any obstruction within 18", measured laterally on the latch side, the door shall be provided with maneuvering clearance for front approach.

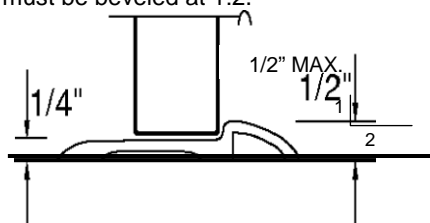
CBC 1133B.2.4.5  
CBC Fig. 11B-33(a)

Recessed doors  
Clear door width and depth - Pull side

**8.19** Level difference at landing/threshold transition between 1/4" and 1/2" must be beveled at 1:2.

CBC 1133B.2.4.1

Floor level at doors - Thresholds



**8.20** Indicate level difference between top of threshold and door landing to be 1/2" max (if beveled at 1:2).

CBC 1133B.2.4.1

Floor level at doors - Thresholds

**8.21** Indicate level difference between interior and exterior door landing to be 1/2" max (if beveled at 1:2).

CBC 1133B.2.4.1

Floor level at doors - Thresholds

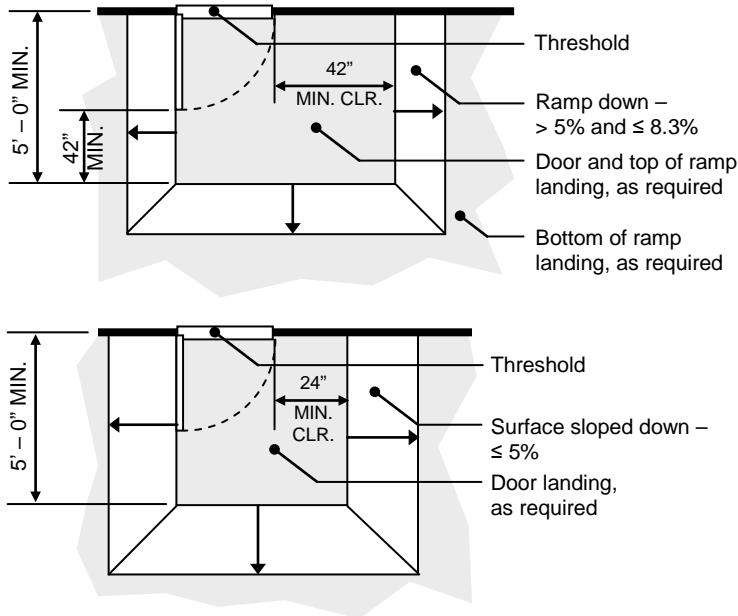
Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification / Reference or Code Citation

Headings / Comments / Notes & Examples  
(as applicable)

**Check List 8. DOORS AND GATES**

**8.22** In existing projects, level differences at landing/threshold transitions greater than 1/2" shall be accomplished by means of ramps or sloped walking surfaces and must include required level landings.



CBC 1133B.2.4.1 & CBC 1133B.5.1

Floor level at doors - Thresholds  
Ramps - General

**NOTE:**  
Handrails are not required on ramps at exterior door landings with less than 6" rise and 72" in length (CBC 1133B.5.5.1, ADAAG 4.8.5).

**8.23** Recessed doormats, grills, and carpets must be adequately anchored to prevent interference with wheelchair traffic.

CBC 1133B.1.1.1.3

Entrances - Recessed doormats

**DOOR HARDWARE**

**8.24** If door closers are used, indicate maximum effort to operate doors either in drawings or specifications:

1. 5 lbf max for interior doors.
2. 5 lbf max for exterior doors.

CBC 1133B.2.5

Door opening force

EXCEPTION: When, at a single location, one of every 8 exterior door leaves, or fraction of 8, is a powered door, other exterior doors at the same location, serving the same interior space, may have a maximum opening force of 8.5 lbf. The powered leaf(s) shall be located closest to the accessible route.

CBC 1133B.2.5, Ex 2

Door opening force

**8.25** At fire doors or rated doors provide the following note: "The Authority having Jurisdiction may increase the maximum effort to operate fire doors in order to achieve positive latching, but not exceeding 15 lbf maximum."

CBC 1133B.2.5

Door opening force

**8.26** Push button to operate automatic or power-assisted door must be located in an accessible location that is adjacent to or part of the general accessible route of travel; visible and easily recognizable from the main approach; and so that the clear

CBC 1133B.2.5 Ex 2

Door opening force



**8**

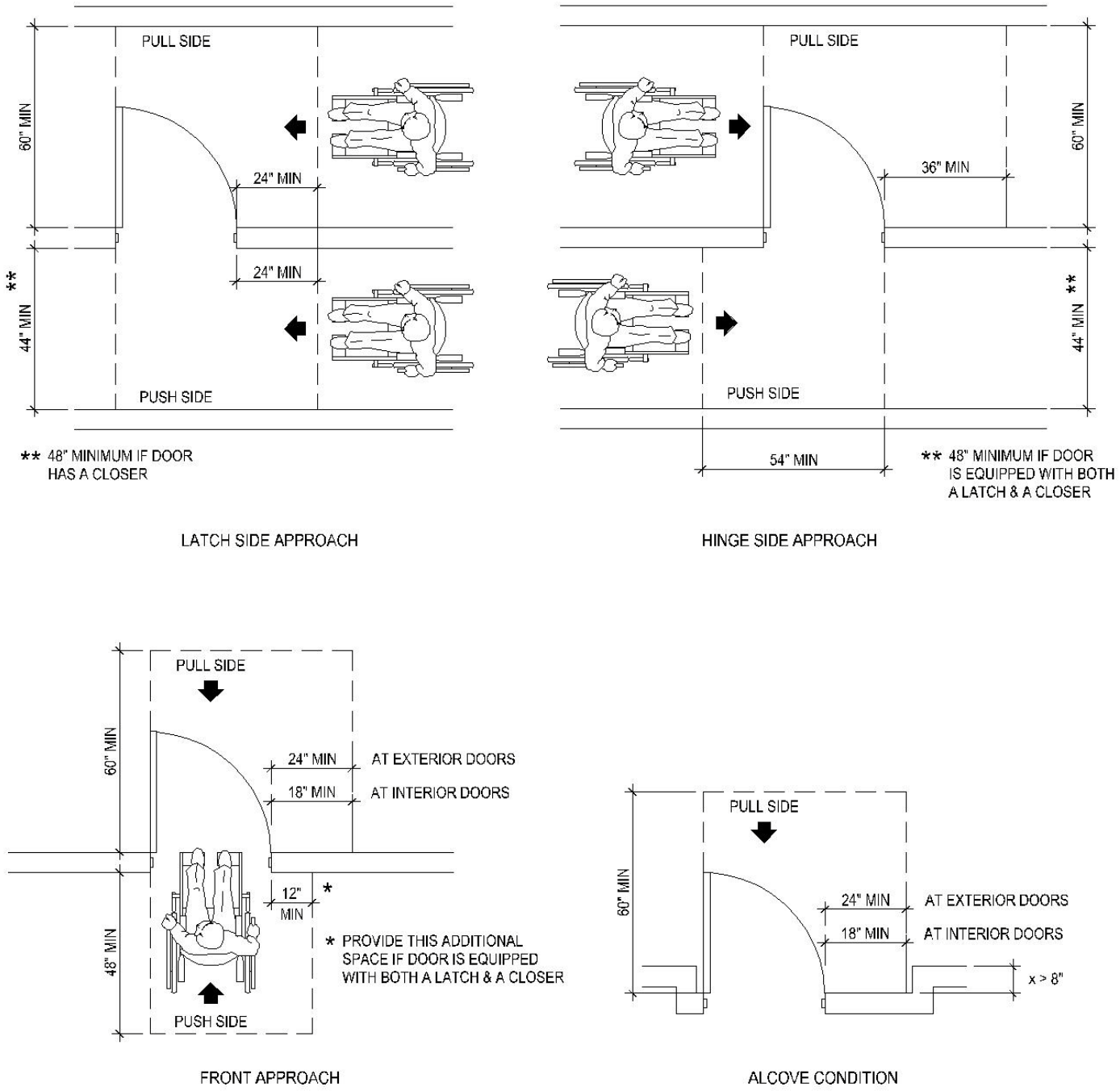
Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /  
Reference  
or Code  
Citation

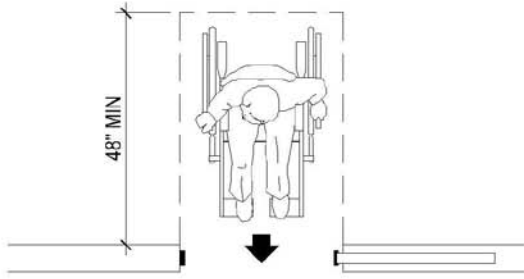
Headings / Comments / Notes  
& Examples  
  
(as applicable)

### Check List 8. DOORS AND GATES

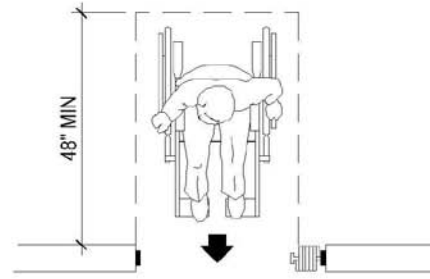
<p>floor or ground space in front of the button is outside any door swing.</p>		
<p><b>8.27</b> Indicate height of push button to operate power-assisted door to be between 15" and 48" AFF for forward approach / forward reach or between 9" and 54" AFF for parallel approach / side reach.</p>	<p>CBC 1117B.6 #3 CBC 1118B.5 CBC 1118B.6</p>	<p>Controls and operating mechanisms - Height Forward reach Side reach</p>
<p><b>8.28</b> Indicate mounting height of hand-activated door hardware, including all dead bolts, between 30" and 44" AFF (36" preferred).</p>	<p>CBC 1133B.2.5.2</p>	<p>Closer-effort to operate doors</p>
<p><b>8.29</b> Provide note or detail indicating floor-mounted doorstops and similar obstructions to be installed 4" max from the face of the wall or partition.</p>		
<p><b>8.30</b> Indicate smooth, uninterrupted surface at the bottom 10" of push side of door leaf.</p>	<p>CBC 1133B.2.6</p>	<p>Smooth surface</p>
<p><b>8.31</b> Provide a 10" high kick plate cover at the bottom of the push side of narrow frame doors.</p>	<p>CBC 1133B.2.6</p>	<p>Smooth surface</p>
<p><b>8.32</b> Provide a 10" high kick plate cover at the bottom of doors where hardware is surface-mounted (i.e. exposed rod for panic device).</p>	<p>CBC 1133B.2.6</p>	<p>Smooth surface</p>
<p><b>GATES</b></p>		
<p><b>8.33</b> All gates intended for pedestrian use, including ticket gates, must comply with all applicable requirements of doors (see items above).</p>	<p>CBC 1133B.1.1.1.4</p>	<p>Gates</p>
<p><b>8.34</b> Identify gate with a mark on plans and include in door schedule.</p>	<p>CBSC Part 1 4-317(b)</p>	<p>Plans</p>
<p><b>8.35</b> Provide and indicate accessible operating hardware and 10" high smooth surface at bottom of gate.</p>	<p>CBC 1133B.2.5.2 CBC 1133B.2.6</p>	<p>Smooth surface</p>
<p><b>8.36</b> Gate on required exit path must comply with exit door and hardware requirements.</p>	<p>CBC 1133B.1.1.1.4</p>	<p>Gates</p>



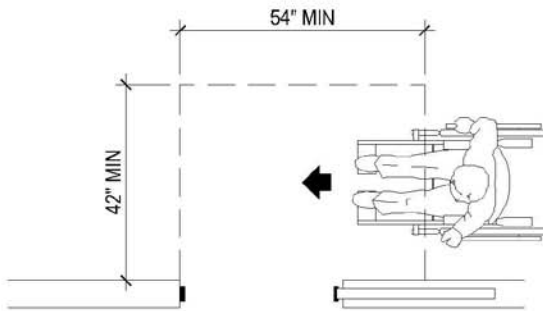
**Fig 8-A. Door Maneuvering Clearances and Landings**



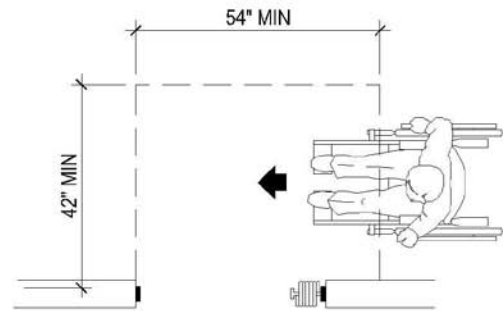
FRONT APPROACH  
SLIDING DOORS



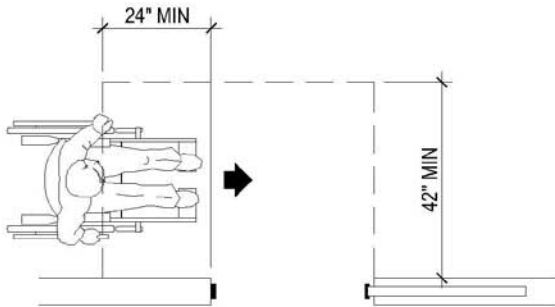
FRONT APPROACH  
FOLDING DOORS



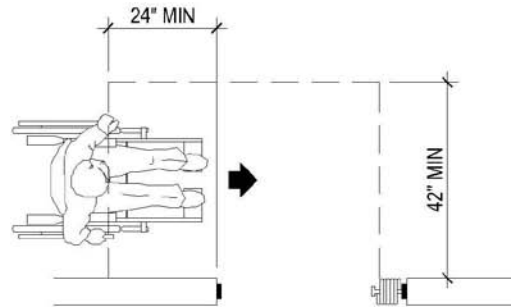
SLIDE SIDE APPROACH  
SLIDING DOORS



SLIDE SIDE APPROACH  
FOLDING DOORS



LATCH SIDE APPROACH  
SLIDING DOORS



LATCH SIDE APPROACH  
FOLDING DOORS

NOTE: ALL DOORS IN ALCOVES SHALL COMPLY WITH THE CLEARANCES FOR FRONT APPROACHES.

**Fig 8-A. Door Maneuvering Clearances and Landings (cont.)**

**9**

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /  
Reference  
or Code Citation

Headings / Comments / Notes  
& Examples

**Check List 9. CORRIDORS, HALLWAYS, AND VESTIBULES**

**9.1** For additional scoping requirements and exceptions see also applicable **DSA-AC Checklist 1**.

**CORRIDORS, HALLWAYS, EXTERIOR EXIT BALCONIES**

**9.2** All corridors, hallways, and exterior exit balconies must be made accessible.

**EXCEPTIONS:**

- a. In existing buildings, when an area is not part of the planned alteration or part of the required path of travel to the area of alteration.
- b. Corridors, hallways, and exterior exit balconies on floors or portions of floors not customarily occupied, including non-occupiable or employee spaces accessed only by ladders, catwalks, crawl spaces, very narrow passageways, and frequented only by service personnel for repair or maintenance purposes, including, but not limited to, elevator pits and elevator penthouses, piping and equipment catwalks and machinery rooms.

**9.3** Provide and indicate clear widths as follows:

- 1. 36" min if occupancy load is <10.
- 2. 44" min if occupancy load is 10 or more.
- 3. 60" min if corridor, hallway, or exterior exit balcony exceeds 200' in length without passing spaces, at least 60" x 60" at intervals of 200' maximum. A T-intersection of two corridors or walks is an acceptable passing space.

**EXCEPTIONS:**

- a. In existing buildings, where DSA determines that compliance would create an unreasonable hardship, an exception may be granted when equivalent facilitation is provided.
- b. In existing buildings where DSA determines that, due to legal or physical constraints, compliance with building standards requirements or equivalent facilitation would create an unreasonable hardship.

**9.4** Corridor, hallway, or exterior exit balcony in Group E, Div. 1 occupancy (K-12 facilities), serving an occupancy load of 100 or more must be 72" min wide.

**9.5** Corridor, hallway, or exterior exit balcony in Group E, Div. 1 occupancy (K-12 facilities), serving an occupancy load of less than 100 must be 44" min wide.

**9.6** If corridor, hallway, or exterior exit balcony slopes more than 5%, indicate compliance with all requirements for ramps.

CBC 1133B.3

CBC 1114B.1.1,  
CBC 1114B.1.2, &  
CBC 1133B.3

CBC 1134B.2

CBC 1103B.1, Exc 1

CBC 1133B.3.1

CBC 1133B.3.1

CBC 1133B.3.2 &  
ADA Stds 4.3.4

CBC 1017.2, Ex. 4 &  
CBC 1014.5

CBC 1017.2 &  
CBC 1014.5

CBC 1133B.5.1

Facility accessibility-general  
Accessible route of travel  
Corridors, hallways and exterior  
exit balconies

(Existing buildings) General

Building accessibility - General

Corridor and hallway widths

Corridor and hallway widths

Corridors and hallways over 200'  
Passing space

**NOTE:**  
Jurisdictional findings and  
determinations for exception b are  
subject to an internal DSA appeals  
process.

Corridor width  
Egress balconies

Corridor width  
Egress balconies

Ramps – General

**9**

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

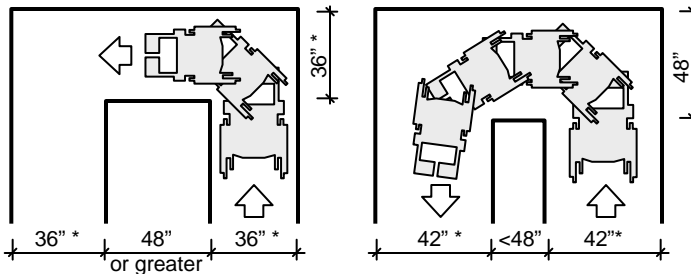
Justification / Reference or Code Citation

Headings / Comments / Notes & Examples

**Check List 9. CORRIDORS, HALLWAYS, AND VESTIBULES**

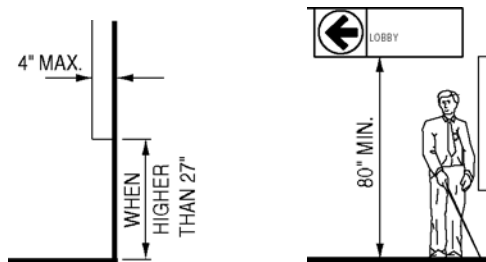
**9.7** Provide and indicate required maneuvering space at the following conditions:

1. When turning around an obstruction.



- 2. Wherever a person using a wheelchair may have to make a 180° turn.
- 3. At doors and gates.
- 4. To access elements or equipment.

**9.8** Wall mounted object(s) with bottom edge(s) between 27" and 80" above the ground shall not protrude more than 4" into pedestrian circulation area.



**9.9** Provide guards, 42" high, as a vertical barrier along the open edges of walking surfaces, mezzanines, industrial equipment platforms, stairways, ramps and landings to prevent persons from falling off the open edge if drop exceeds 30".

**VESTIBULES**

**9.10** Indicate and provide 48" min between two hinged or pivoted doors plus the width of any door(s) swinging into the space.

**9.11** Doors in series must swing either in the same direction or away from the space between the doors.

CBC Fig. 11B-5E (a) & (b)

CBC Fig 11B-12

CBC Fig 11B-26A & 11B-26B

CBC 1133B.8.6 & CBC Fig. 11B-7A

CBC 1013

CBC 1133B.2.4.4 & ADA Stds 4.13.7

CBC 1133B.2.4.4 & ADA Stds 4.13.7

Width of accessible route

NOTE:  
\* If occupancy load is 10 or more, the minimum width of all dimensions must be increased to 44" min.

Wheelchair turning space

Level maneuvering clearances at doors

Protruding objects

Guards

Two doors in series

Two doors in series

**10**

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /  
Reference  
or Code Citation

Headings / Comments / Notes  
& Examples

### Check List 10. STAIRS AND STEPS

<p><b>10.1</b> A stair is a change in elevation, consisting of one or more risers.</p>	<p>CBC 1002</p>	<p>Definitions - Stair</p>
<p><b>10.2</b> All stairs, stairways, and steps must be accessible.</p> <p>EXCEPTIONS:</p> <p>a. In existing buildings, when stairs are not part of the planned alteration and compliant vertical access is provided through elevators, lifts or ramps, stairways need not be accessible.</p> <p>b. Stairs to floors or portions of floors not customarily occupied, including non-occupiable or employee spaces accessed only by ladders, catwalks, crawl spaces, very narrow passageways, and frequented only by service personnel for repair or maintenance purposes, including, but not limited to, elevator pits and elevator penthouses, piping and equipment catwalks and machinery rooms need not be accessible with the exception of stair striping.</p>	<p>CBC 1114B.1.1 CBC 1133B.4</p> <p>CBC 1134B.2.1 ADA Stds. 4.1.6(d)</p> <p>CBC 1103B.1, Exc 1</p>	<p>Facility accessibility - General Stairways</p> <p>Accessibility for existing buildings Accessible buildings - Alterations</p> <p>Building accessibility – General</p> <p><u>NOTE:</u> All vertical level changes, exceeding 1/4" in height (or 1/2" if beveled at 1:2), and within a pedestrian circulation area are considered stairs or steps, with the exception of curbs that border vehicular ways.</p>
<p><b>10.3</b> Stair treads and risers must comply with the following:</p> <p>1. Treads shall be no less than 11" deep.</p> <p>2. Risers shall be 7" max and 4" min in height.</p> <p>3. On a flight of stairs, all steps shall have uniform riser height and tread width.</p>	<p>CBC 1133B.4.5</p>	<p>Stair treads, risers and nosing</p>
<p>4. Open risers are not permitted.</p> <p>EXCEPTIONS:</p> <p>a. On exterior stairways, an opening of not more than 1/2" may be permitted between the base of the riser and the tread.</p> <p>b. On exterior stairways, risers constructed of grating containing openings of not more than 1/2" may be permitted.</p>	<p>CBC 1133B.4.5.2</p>	<p>Risers</p>
<p><b>10.4</b> All tread surfaces shall be slip resistant. Weather-exposed stairs and their approaches shall be designed so that water will not accumulate on the walking surfaces. Treads shall have smooth, rounded or beveled exposed edges.</p>	<p>CBC 1133B.4.5.1</p>	<p>Treads</p>
<p><b>10.5</b> Risers shall be solid and shall be vertical or sloped from the underside of the leading edge of the tread above at an angle not more than 30 degrees from the vertical.</p>	<p>CBC 1133B.4.5.2</p>	<p>Risers</p>
<p><b>10.6</b> Stair nosing must comply with the following:</p> <p>1. 1/2" max radius of curvature at leading edge of tread.</p>	<p>CBC 1133B.4.5.3</p>	<p>Nosing</p>

**10**

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /  
Reference  
or Code Citation

Headings / Comments / Notes  
& Examples

### Check List 10. STAIRS AND STEPS

<p>2. Nosings that project beyond risers must have the underside of the leading edge beveled at an angle not more than 30 degrees from the vertical.</p> <p>3. Maximum permitted projection of the nosing is 1-1/4".</p> <p>EXCEPTION: In existing buildings there is no requirement to retroactively alter existing nosing projections of 1-1/2" which were constructed in compliance with the building code in effect at the time of original construction.</p> <p>4. The transition from the nosing to the riser shall be free of abrupt edges.</p> <p>5. All projections shall be of uniform size, including nosings at landings.</p>		
<p><b>10.7</b> Provide detail of color contrasting striping at all stairs and steps within the pedestrian circulation area. Indicate the following:</p> <p>1. Upper approach and all treads of exterior stairs must have a stripe of contrasting color.</p> <p>2. Upper approach and lower tread of interior stairs must have a stripe of contrasting color.</p> <p>3. Contrasting color stripe to be 2" min to 4" max wide and be located 1" max from the front edge of the step or landing.</p> <p>4. The stripe shall be as slip resistant as the other treads of the stair and shall extend the full width of the step or upper approach. A painted stripe is acceptable.</p>	<p>CBC 1133B.4.4 CBC Fig. 11B-35</p>	<p>Striping for the visually impaired Warning striping and handrail extensions</p>
<p><b>10.8</b> Provide and indicate width of stairway to be 44" min, or 36" min if serving an occupancy load of &lt;50.</p> <p>EXCEPTION: Stairways adjacent to or serving an area of refuge must be 48" min clear between handrails.</p>	<p>CBC 1009.1</p> <p>CBC 1007.3 ADA Stds. 4.3.11.3</p>	<p>Stairway width</p> <p>Exit stairways Areas of rescue assistance – Stairway width</p>
<p><b>10.9</b> Indicate top and bottom landing to slope no more than 2% in any direction and have a dimension in the direction of travel not less than the width of the stairway.</p> <p>EXCEPTIONS:</p> <p>a. Aisle stairs complying with CBC Section 1025.</p> <p>b. At straight stair runs the landing need not exceed 48".</p> <p>c. Provide additional space where landings serve as areas of refuge.</p>	<p>CBC 1009.5 CBC 1009.6.1</p> <p>CBC 1009.5, Ex. 1</p> <p>CBC 1009.5</p> <p>CBC 1007.6.1</p>	<p>Stairway landings Stairway walking surface</p> <p>Stairway landings</p> <p>Stairway landings</p> <p>Areas of refuge - size</p>

**10**

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /  
Reference  
or Code Citation

Headings / Comments / Notes  
& Examples

### Check List 10. STAIRS AND STEPS

<p>d. Doors opening onto a landing shall not reduce the landing to less than one-half the required width. When fully open, the door shall not project more than 7 inches (178 mm) into a landing.</p>	<p>CBC 1009.5</p>	<p>Stairway landings</p>
<p><b>10.10</b> Increase stair landing dimensions to accommodate required maneuvering space for doors.</p>	<p>CBC 1133B.2.4.2</p>	<p>Maneuvering clearances at doors</p>
<p><b>10.11</b> Indicate clear headroom of 6' - 8" min at stairs and landings.</p>	<p>CBC 1009.2</p>	<p>Headroom</p>
<p><b>10.12</b> When staircase underside creates a hazardous overhead obstruction, provide cane-detectable barrier to warn blind or visually impaired.</p>	<p>CBC 1133B.8.6.2 &amp; CBC Fig. 11B-7C</p>	<p>Head room</p>
<p><b>10.13</b> Provide and indicate location of tactile floor designation signs. See <b>Checklist 17</b> for additional requirements.</p>	<p>CBC 1133B.4.3</p>	<p>Tactile floor designation signs in stairways</p>
<p><b>HANDRAILS FOR STAIRS</b></p>		
<p><b>10.14</b> Provide handrails on both sides of stairs.</p>	<p>CBC 1133B.4.1.1</p>	<p>Required handrails</p>
<p>EXCEPTIONS:</p>		
<p>a. Stairs located immediately adjacent to fixed seating in assembly areas.</p>	<p>CBC 1009.12</p>	<p>(Stairways) Handrails</p>
<p>b. In existing facilities where:</p> <ul style="list-style-type: none"> <li>▪ stairs are not within the specific area of alteration, and</li> <li>▪ stairs are not part of the required path of travel.</li> </ul>	<p>CBC 1134B.2.1</p>	<p>Accessibility for existing buildings</p>
<p><b>10.15</b> Stairways shall have intermediate handrails located in such a manner that all portions of the stairway width required for egress capacity are within 30" of a handrail. On monumental stairs, handrails shall be located along the most direct path of egress travel.</p>	<p>CBC 1012.8</p>	<p>Intermediate handrails</p>
<p><b>10.16</b> Design to provide continuous handrails on the full length of the stair run.</p>	<p>CBC 1133B.4.1.1</p>	<p>Required handrails</p>
<p><b>10.17</b> Design to provide continuous inside handrails at intermediate landings.</p>	<p>CBC 1133B.4.2.2</p>	<p>Handrail configuration</p>
<p><b>10.18</b> Top of gripping surface of handrail must be between 34" and 38" AFF.</p>	<p>CBC 1133B.4.2.1</p>	<p>Handrail configuration</p>
<p><b>10.19</b> Indicate a specific height from front edge of nosing to top of handrail gripping surface.</p>	<p>CBSC Part 1, 4-317(b)</p>	<p>Plans</p>
<p><b>10.20</b> Extend handrail 12" beyond the top of the stair run and parallel to the landing surface (see Fig 10-A).</p>	<p>CBC 1133B.4.2.2 ADA Stds. Fig. 19(d)</p>	<p>Handrail configuration Stair Handrails - Extension at top of run</p>
<p><b>10.21</b> Extend handrail 12" plus the width of one tread beyond the bottom riser. The handrail must continue to slope for a distance of the width of one tread and the remainder of the extension must be parallel to the landing surface (see Fig 10-A).</p>	<p>CBC 1133B.4.2.2 ADA Stds. Fig. 19(c)</p>	<p>Handrail configuration Stair Handrails - Extension at bottom of run</p>



Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification / Reference or Code Citation

Headings / Comments / Notes & Examples

**Check List 10. STAIRS AND STEPS**

**10.22** Handrail extension cannot extend into the required width of an adjacent route of travel or the required width of an exit discharge component.

CBC 1003.3.4

Clear width

**10.23** Handrail extensions must meet the following requirements:

1. Handrail extensions must extend in the direction of the stair handrail.
2. Return ends of handrail extension to wall, floor or post.

CBC 1133B.4.2.2

Handrail configuration

CBC 1133B.4.2.3

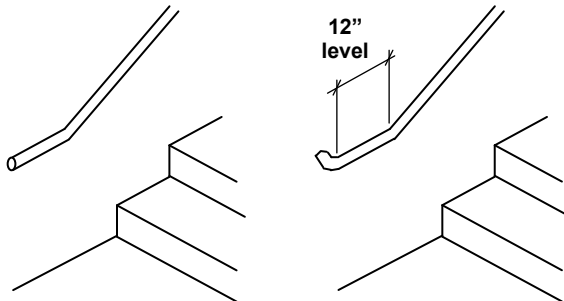
**EXCEPTIONS:**

- a. In existing buildings, where DSA determines that compliance would create an unreasonable hardship, an exception may be granted when equivalent facilitation is provided.
- b. In existing buildings where DSA determines that, due to legal or physical constraints, compliance with building standards or equivalent facilitation would create an unreasonable hardship.

CBC 1133B.4.2.6.1  
ADA Stds. 4.1.6(3)(b)

Stairways - Handrail configuration  
Alterations - Stairs

**NOTE:**  
Jurisdictional findings and determinations for exception (b) are subject to an internal DSA appeals process.



**Hazardous**  
Handrail extension does not terminate safely to the wall, the floor, or newel.

**Compliant**  
Handrail extension end is returned to wall.

**NOTE:**  
Top and bottom handrail extensions are important safety features for people with balance problems and must therefore extend in the direction of the stair run.

**10.24** Indicate gripping portion between 1-1/4" and 1-1/2" in cross-sectional nominal dimension or the shape shall provide an equivalent gripping surface (i.e. 4" to 6-1/4" perimeter, and 2-1/4" max in any direction).

CBC 1133B.4.2.6

Handgrips

**NOTE:**  
When using industry standard steel handrails (nominally dimensioned) DSA may approve an actual outside diameter of 1-7/8" max.

**10.25** All gripping surfaces and adjacent wall or other surface must be smooth with no sharp edges, and continuous, without interruption by newel posts, other construction elements, or obstructions. Edges shall have a minimum radius of 1/8".

CBC 1133B.4.2.6  
ADA Stds. 4.9.4

Handgrips  
Handrails

**10.26** Provide and indicate 1-1/2" absolute clearance from adjacent obstruction (wall or guard).

CBC 1133B.4.2.5

Handrail configuration

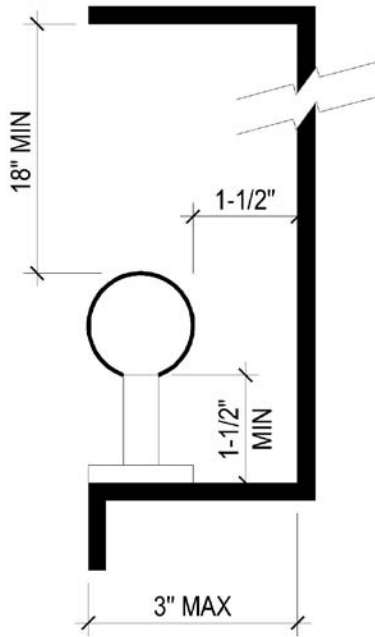
Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification / Reference or Code Citation

Headings / Comments / Notes & Examples

**Check List 10. STAIRS AND STEPS**

**10.27** Recess to be 3" deep maximum with a minimum 18" height, measured from the top of the handrail.



CBC 1133B.4.2.5  
CBC Fig. 11B-36

Stairways - Handrail configuration  
Stair handrails

**10.28** Provide guard, 42" min high, as a vertical barrier along the open edges of stairs, platform, or landings to prevent persons from falling off the open edge if drop exceeds 30".

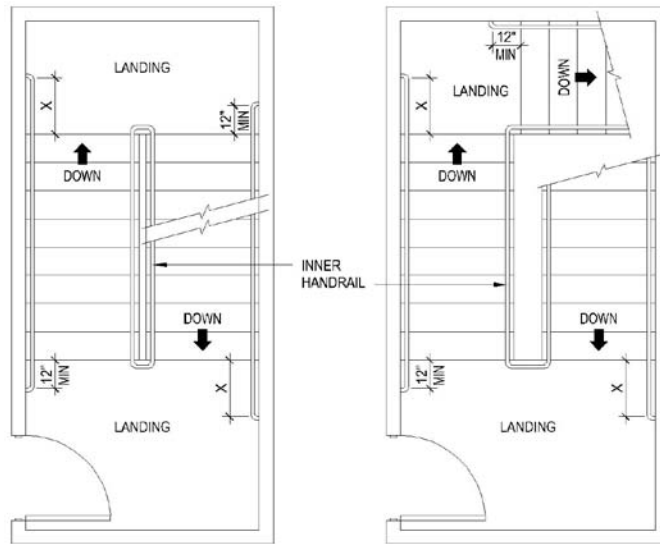
CBC 1013.1  
CBC 1013.2

Guards  
Guards - Height

**10.29** Indicate that a sphere 4" in diameter cannot pass through any opening at guards (intermediate rails or an ornamental pattern).

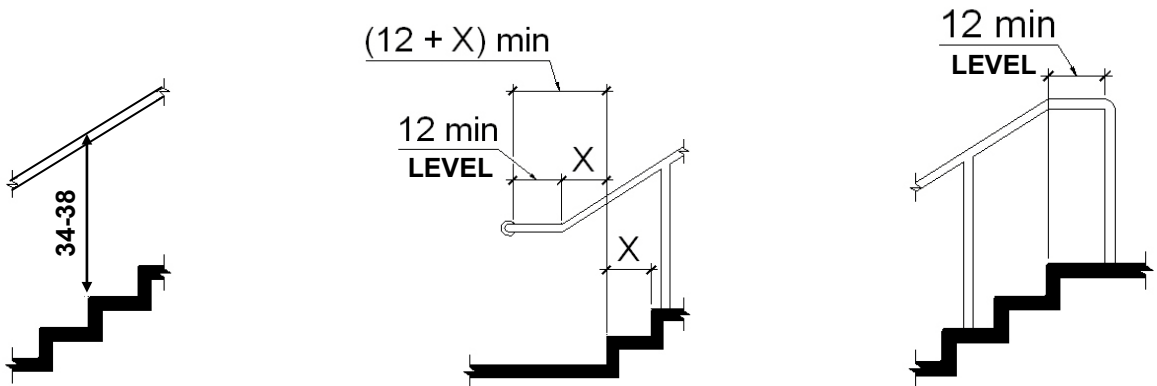
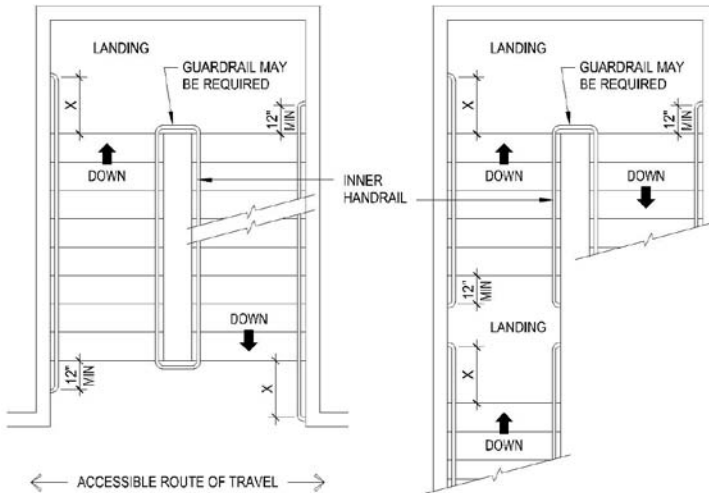
CBC 1013.3

Guards - Opening limitations



NOTE: INNER HANDRAIL AT LANDINGS OF STAIRS THAT DOUBLE BACK OR IMMEDIATELY TURN SHALL BE CONTINUOUS AND SHALL NOT EXTEND INTO LANDING OR PATH OF TRAVEL.

X: EXTENSION OF HANDRAIL SHALL BE EQUAL TO THE TREAD WIDTH PLUS 12 INCHES.



**Fig 10-A. Requirements for Stairs and Stair Handrails**

All dimensions are inches, u.o.n.

**11**

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /  
Reference  
or Code Citation

Headings / Comments / Notes  
& Examples

### Check List 11. ACCESSIBLE MEANS OF EGRESS

**11.1** For additional scoping requirements and exceptions see also applicable **DSA-AC Checklist 1**.

#### ACCESSIBLE MEANS OF EGRESS

**11.2** Indicate all accessible spaces are provided with not less than one accessible means of egress. Where more than one means of egress is required by Chapter 10 from any accessible space, indicate each accessible portion of the space is served by accessible means of egress in at least the same number as required by Section 1015.1 or 1019.1.

#### EXCEPTIONS:

- a. Accessible means of egress are not required in alterations to existing buildings.
- b. One accessible means of egress, consisting of an exit stairway, elevator or platform lift, is required from an accessible mezzanine level.
- c. In assembly spaces with sloped floors, one accessible means of egress is required from a space where the common path of egress travel of the accessible route for access to the wheelchair spaces meets the requirements of Section 1025.8.

**11.3** Indicate each required accessible means of egress is continuous to a public way and consists of one or more of the following components:

1. Accessible routes, complying with Section 1114B.1.2
2. Stairways within vertical exit enclosures, complying with Sections 1007.3, 1020 and 1133B.4
3. Exterior exit stairways, complying with 1007.3, 1023 and 1133B.4
4. Elevators, complying with 1007.4 and 1116B.1
5. Platform (wheelchair) lifts, complying with Sections 1007.5 and 1116B.2
6. Horizontal exits, complying with Section 1021
7. Ramps, complying with 1010 and 1133B.5
8. Areas of refuge, complying with 1007.6

#### EXCEPTIONS:

- a. Where the exit discharge is not accessible, an exterior area for assisted rescue must be provided.
- b. Where the exit stairway is open to the exterior, the accessible means of egress shall include either an area of refuge or an exterior area for assisted rescue.

CBC 1007

Accessible means of egress

CBC 1007.1

Accessible means of egress required

CBC 1007.2

Continuity and components

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /  
Reference  
or Code Citation

Headings / Comments / Notes  
& Examples

**Check List 11. ACCESSIBLE MEANS OF EGRESS**

**11.4** In buildings where a required accessible floor is four or more stories above or below a level of exit discharge, indicate that at least one required accessible means of egress is an elevator.

**EXCEPTIONS:**

- a. In buildings equipped throughout with an automatic sprinkler system, the elevator shall not be required on floors provided with a horizontal exit and located at or above the level of exit discharge.
- b. In buildings equipped throughout with an automatic sprinkler system, the elevator shall not be required on floors provided with a ramp.

**EXIT STAIRWAYS**

**11.5** Indicate an exit stairway provides a clear width of 48" min between handrails and either incorporates an area of refuge within an enlarged floor-level landing or can be accessed from either an area of refuge complying with Section 1007.6 or a horizontal exit.

**EXCEPTIONS:**

- a. Unenclosed exit stairways as permitted by Section 1020.1 are permitted to be considered part of an accessible means of egress.
- b. The area of refuge is not required at unenclosed exit stairways as permitted by Section 1020.1 in buildings or facilities that are equipped throughout with an automatic sprinkler system installed in accordance with Section 903.3.1.1.
- c. The clear width of 48 inches between handrails is not required at exit stairways in building or facilities equipped throughout with an automatic sprinkler system installed in accordance with Section 903.3.1.1 or 903.3.1.2.
- d. The clear width of 48 inches between handrails is not required for exit stairways accessed from a horizontal exit.
- e. Areas of refuge are not required at exit stairways serving open parking garages.

CBC 1007.2.1

Elevators required

CBC 1007.3

Exit stairways

CBC 1007.3

Exit stairways

**11**

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /  
Reference  
or Code Citation

Headings / Comments / Notes  
& Examples

### Check List 11. ACCESSIBLE MEANS OF EGRESS

#### ELEVATORS

- 11.6** Indicate an elevator complies with the emergency operation and signaling device requirements of ASME A17.1, Section 2.27. Indicate standby power is provided in accordance with Sections 2702 and 3003. Indicate the elevator can be accessed from either an area of refuge complying with Section 1007.6 or a horizontal exit.

**EXCEPTION:**

Elevators are not required to be accessed from an area of refuge or horizontal exit in open parking garages.

CBC 1007.4

Elevators

CBC 1007.4

Elevators

#### PLATFORM (WHEELCHAIR) LIFTS

- 11.7** Platform (wheelchair) lifts shall not serve as part of an accessible means of egress, except where allowed as part of a required accessible route in Section 1116B.2, items 1 through 4. Indicate standby power is provided in accordance with Section 2702.2.6 for platform lifts permitted to serve as part of a means of egress.

- 11.8** Platform lifts on an accessible means of egress shall not be installed in a fully enclosed hoistway.

CBC 1007.5

Platform lifts

CBC 1007.5

Platform lifts

CBC 1007.5.1

Openness

#### AREAS OF REFUGE

- 11.9** Indicate required area of refuge is accessible from the space it serves by an accessible means of egress.

- 11.10** Indicate the maximum travel distance from any accessible space to an area of refuge does not exceed the travel distance permitted for the occupancy in accordance with Section 1016.1.

- 11.11** Indicate that every required area of refuge has direct access to an enclosed stairway complying with Sections 1007.3 and 1020.1 or an elevator complying with Section 1007.4.

- 11.12** Where an elevator lobby is used as an area of refuge, indicate that the shaft and lobby comply with Section 1020.1.7 for smokeproof enclosures except where the elevators are in an area of refuge formed by a horizontal exit or smoke barrier.

- 11.13** Areas of refuge must adjoin an accessible route of travel.

- 11.14** Provide, and indicate on plan, at least two 30" x 48" minimum wheelchair spaces at each area of refuge.

- 11.15** The 30" x 48" wheelchair spaces cannot encroach on any required means of egress width, including door swings and required stair landing dimensions. Access to required wheelchair spaces cannot be obstructed by more than one adjoining wheelchair space.

CBC 1007.6

Areas of refuge

CBC 1007.6

Areas of refuge

CBC 1007.6

Areas of refuge

CBC 1007.6

Areas of refuge

CBC 1007.6

Areas of refuge

CBC 1007.6

Areas of refuge

CBC 1007.6.1

Areas of refuge - Size

CBC 1007.6.1

Areas of refuge - Size

**11**

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /  
Reference  
or Code Citation

Headings / Comments / Notes  
& Examples

**Check List 11. ACCESSIBLE MEANS OF EGRESS**

<p><b>11.16</b> Provide at least one 30" x 48" space on each story for every 200 persons of calculated occupant load served by the area of refuge, but never less than two at each area of refuge.</p>	<p>CBC 1007.6.1</p>	<p>Areas of refuge - Size</p>
<p>EXCEPTION: The building official may reduce the minimum number of 30" x 48" spaces to one for each area of refuge on floors where the occupant load is less than 200.</p>		
<p><b>11.17</b> If applicable, indicate on cover sheet, plan, or in code analysis occupancy load for each story.</p>	<p>CBSC Part 1 4-317(b)</p>	<p>Plans</p>
<p><b>11.18</b> Stairs adjacent to, or serving areas of refuge, shall provide 48" minimum clear width between handrails.</p>	<p>CBC 1007.3</p>	<p>Exit stairways</p>
<p><b>11.19</b> Provide a two-way emergency communication system with both visible and audible communication for use by the fire department or rescue crews at a central control point approved by the fire department. A button shall activate both a light at the primary entrance and a light in the area of evacuation assistance indicating that the request has been received.</p>	<p>CBC 1007.6.3 CBC 1007.6.3.1</p>	<p>Two-way communication Visible communication method</p>
<p><b>11.20</b> Indicate the location of operable parts on the two-way emergency communication system.</p>	<p>CBC 1007.6.3</p>	<p>Two-way communication</p>
<p><b>11.21</b> Provide a sign which states: "AREA OF REFUGE" complying with Section 1117B.5.1 #2, including the International Symbol of Accessibility. Where exit sign illumination is required, the area of refuge sign shall be illuminated. Additionally, tactile identification signage complying with Section 1117B.5.1 #1 shall be located adjacent to each door to an area of refuge.</p>	<p>CBC 1007.9 ADA Stds 4.3.11.5</p>	<p>Identification Identification</p>
<p><b>11.22</b> Provide a sign with instructions in each area of refuge, including directions for use of emergency communications system.</p>	<p>CBC 1007.6.4 ADA Stds 4.3.11.5</p>	<p>Instructions Identification</p>

**12**

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /  
Reference  
or Code Citation

Headings / Comments / Notes  
& Examples

### Check List 12. ELEVATORS AND PLATFORM (WHEELCHAIR) LIFTS

**12.1** For additional scoping requirements and exceptions see also applicable **DSA-AC Checklist 1**.

#### ELEVATORS

**12.2** Provide automatic passenger elevator to serve each level (including floors, stories, split levels, platforms, podiums, sunken areas, balconies, roof gardens, and mezzanines) in a facility that is constructed by, on behalf of, or for the use of a public entity. If more than one elevator is provided, each passenger elevator shall comply with Section 1116B.

#### EXCEPTIONS:

- a. Floors or portions of floors not customarily occupied, including, but not limited to, non-occupiable or employee spaces accessed only by ladders, catwalks, crawl spaces, very narrow passageways or freight (non-passenger) elevators, and frequented only by service personnel for repair or maintenance purposes, including, but not limited to, elevator pits and elevator penthouses, piping and equipment catwalks and machinery rooms.
- b. When an existing theater is subdivided into more than one facility having upper levels not accessible by ramp or elevator, and DSA determines that full compliance with this code would create an unreasonable hardship, upper levels need not be made accessible, provided all facilities at grade are accessible and any event, showing of motion pictures or other activities made available to the public in all of the facilities are scheduled to ensure that all such functions are available to the public in the accessible facility.
- c. Ramps may be provided in lieu of elevators.
- d. Platform (wheelchair) lifts may be approved by DSA between levels in lieu of passenger elevators.
- e. In existing buildings, other than dining banquet and bar facilities, when DSA determines that compliance would create an unreasonable hardship, an exception may be granted when equivalent facilitation is provided.
- f. In existing dining, banquet and bar facilities, when DSA determines that compliance would create an unreasonable hardship, an exception may be granted provided that a minimum of 75 percent of the dining, banquet and bar is on a common level throughout or connected by ramps, passenger elevators or platform lifts, and provided that the same services and décor are provided in an accessible space usable by the general public and are not restricted to use by people with disabilities.

CBC 1116B.1

Elevators

CBC 1103B.1,  
CBC 1114B.1.2,  
CBC 1120B.1,  
ADA Stds 4.1.3(5), &  
28 CFR 35.151(a)&(b)

Building accessibility - Scope  
Accessible route of travel  
Floors within each story  
Accessible buildings: New construction  
New construction and alterations

#### DEFINITION:

Health & Safety Code §19955.3  
MEZZANINE: An intermediate floor placed in any story or room. When the total area of any "mezzanine floor" exceeds 33.3% of the total floor area in that room, it shall be considered as constituting an additional "story".

CBC 1104B.3.1 Ex 2

Seating

CBC 1103B.1 &  
ADA Stds 4.1.3(5) -  
Exception 3

Building accessibility - Scope  
Accessible buildings: New construction

CBC 1120B.1 Ex 1

Floors within each story

CBC 1120B.1 Ex 2

Floors within each story



**12**

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /  
Reference  
or Code Citation

Headings / Comments / Notes  
& Examples

**Check List 12. ELEVATORS AND PLATFORM (WHEELCHAIR) LIFTS**

<p>g. In existing buildings, when legal or physical constraints would not allow compliance with this section or equivalent facilitation without creating an unreasonable hardship.</p>	<p>CBC 1120B.1 Ex 3</p>	<p>Floors within each story <u>NOTE:</u> Jurisdictional findings and determinations for exception (g) are subject to an internal DSA appeals process.</p>
<p>h. Private facilities that have less than three stories or less than 3,000 sq. ft. per story, unless the building is a shopping center, a shopping mall, the professional office of a health care provider, a terminal, depot or other station used for specified public transportation, or an airport passenger terminal.</p>	<p>CBC 1103B.1 Ex 2.2</p>	<p>Building accessibility - Scope <u>NOTE:</u> Exception (h) does not apply to privately funded facilities that are intended for use by a public entity.</p>
<p><b>12.3</b> Indicate elevators used as a component of an accessible means of egress comply with the emergency operation and signaling device requirements of ASME A17.1, Section 2.27; comply with the standby power requirements in Section 2702 and 3003; and can be accessed from either an area of refuge complying with Section 1007.6 or a horizontal exit. Also, see Checklist 11 – Accessible Means of Egress.</p>	<p>CBC 1007.4</p>	<p>Elevators</p>
<p><b>12.4</b> Indicate compliance of existing elevator and provide DSA application number.</p>	<p>CBSC Part 1 4-317(b)</p>	<p>Plans</p>
<p><b>12.5</b> Indicate location of all elevators on each site and floor plan with an appropriate symbol (X).</p>	<p>CBSC Part 1 4-317(b)</p>	<p>Plans</p>
<p><b>12.6</b> Where more than one elevator is provided, all elevators must be made accessible.</p>	<p>CBC 1103B.1 CBC 1114B.1.2</p>	<p>Building Accessibility – Scope Accessible route of travel</p>
<p><b>12.7</b> Freight elevators are not considered as meeting the accessibility requirements unless the only elevators provided are used as combination passenger and freight elevators for the public and employees.</p>	<p>CBC 1116B.1</p>	<p>Elevators</p>
<p><b>12.8</b> In existing buildings, where elevators are required by Section 1134B.2 or 1103B.1, if an escalator or stair is installed where none existed previously and major structural modifications are necessary for such installation, then a means of accessible vertical access via ramp, elevator or lift shall be provided.</p>	<p>1103B.1</p>	<p>Building Accessibility - Scope</p>
<p><b>12.9</b> In new construction of buildings where elevators are required, and which exceed 10,000 square feet on any floor, accessible means of vertical access shall be provided within 200 feet of each stairs and each escalator.  EXCEPTION: Stairs used <u>solely</u> for emergency egress.</p>	<p>CBC 1103B.2</p>	<p>Distance to elevators</p>
<p><b>12.10</b> In existing buildings where elevators are required, and which exceed 10,000 square feet on any floor, and where newly constructed means of vertical access is provided via stairs or escalator, an accessible means of vertical access shall be provided within 200 feet of each new stairs or escalator.  EXCEPTION: Stairs used <u>solely</u> for emergency egress.</p>	<p>CBC 1103B.2</p>	<p>Distance to elevators</p>

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification / Reference or Code Citation

Headings / Comments / Notes & Examples

**Check List 12. ELEVATORS AND PLATFORM (WHEELCHAIR) LIFTS**

- 12.11** Indicate height of centerline of hall call buttons in elevator lobby or hall to be 42" AFF.
- 12.12** Indicate call button to be 3/4" min in the smallest dimension, and to be raised 1/8 inch (plus or minus 1/32 inch) above the surrounding surface.
- 12.13** Indicate centerline of visual hall lantern fixtures to be a minimum 72" o.c. AFF, 2-1/2" min in the smallest dimension, and visible from the vicinity of the hall call button.
- 12.14** Provide and indicate raised character, with corresponding contracted (Grade 2) Braille below, floor designations to be 60" AFF to centerline on both jambs of each elevator.

CBC 1116B.1.10, CBC Fig. 11B-40C & ADA Stds 4.10.3

CBC 1116B.1.10 & ADA Stds 4.10.3

CBC 1116B.1.13, CBC Fig. 11B-40C & ADA Stds 4.10.4

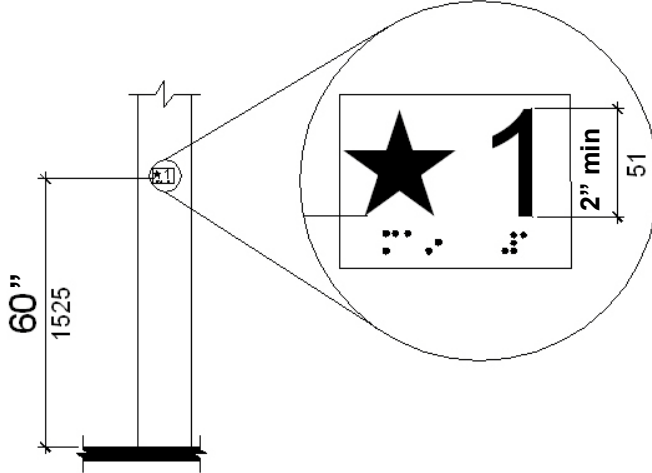
CBC 1116B.1.14 & CBC Fig. 11B-40C

Hall call buttons  
Hoistway and elevator entrances  
Hall call buttons

Hall call buttons  
Hall call buttons

Hall lantern  
Hoistway and elevator entrances  
Hall lanterns

Doorjamb marking  
Hoistway and elevator entrances



- 12.15** Indicate clearance between the car platform sill and the edge of the hoistway landing to be no greater than 1-1/4".
- 12.16** Indicate clear door opening width to be 36" min.
- 12.17** Indicate height of door re-opening sensors at nominal 5" and 29" AFF.

CBC 1116B.1.2  
ADA Stds 4.10.9

CBC 1116B.1.4

CBC 1116B.1.5

Operation and leveling

Door size

Door protective and reopening device

12

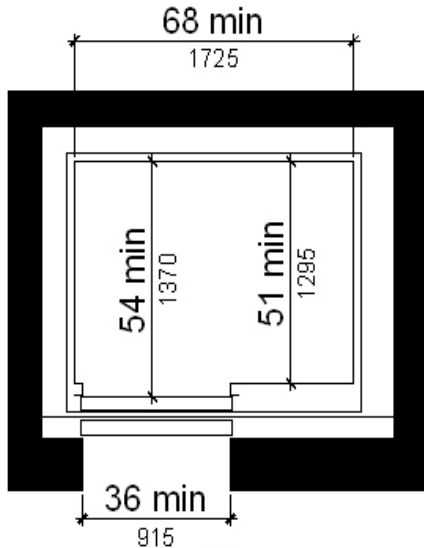
Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification / Reference or Code Citation

Headings / Comments / Notes & Examples

**Check List 12. ELEVATORS AND PLATFORM (WHEELCHAIR) LIFTS**

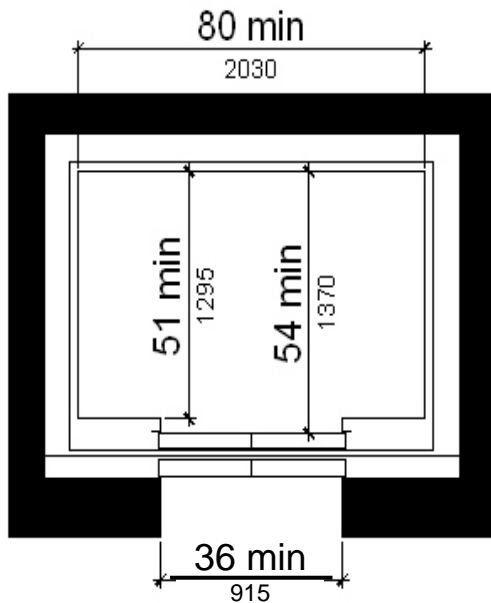
**12.18** Indicate interior dimensions for elevator cab with 36" wide side-slide opening doors to be 68" min wide, and 54" min deep between the back wall and the elevator door, and 51" min deep between the back wall and the return panel. Indicate controls located at the side wall or at the front wall next to the door.



CBC 1116B.1.8, CBC Fig. 11B-40A(a)

Car inside  
Minimum dimensions of elevator cars - Side opening doors

**12.19** Indicate interior dimensions for elevator cab with 36" wide center-opening doors to be 80" min wide, and 54" min deep between the back wall and the elevator door, and 51" min deep between the back wall and the return panel. Indicate the controls located on a front wall.



CBC 1116B.1.8 & CBC Fig. 11B-40A (b)

Car inside  
Minimum dimensions of elevator cars - Center opening doors

**NOTE:**  
DSA may approve other elevator configurations and dimensions if it is clearly shown that the floor area of the elevator car provides space for wheelchair users to enter the car, turn around, maneuver within reach of controls, and exit from the car.

**12.20** Provide and indicate at least one (1) handrail at 32" AFF and 1-1/2" from the wall.

CBC 1116B.1.11

Handrails

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification / Reference or Code Citation

Headings / Comments / Notes & Examples

**Check List 12. ELEVATORS AND PLATFORM (WHEELCHAIR) LIFTS**

**12.21** The highest operable part of a two-way emergency intercom system must be 48" max AFF. The device must be identified by a raised telephone symbol and corresponding Braille lettering located adjacent to the device. If the system uses a handset, the cord from the panel to the handset must be 29" min long. The car emergency signaling device cannot be limited to voice communication. If instructions for use are provided, essential information must be presented in both tactile and visual form.

CBC 1116B.1.8  
ADA Stds 4.10.14

Car inside

**12.22** Indicate centerlines of highest and lowest elevator floor buttons (inside car) to be within 35" and 48" AFF for front approach and 35" and 54" AFF for side approach.

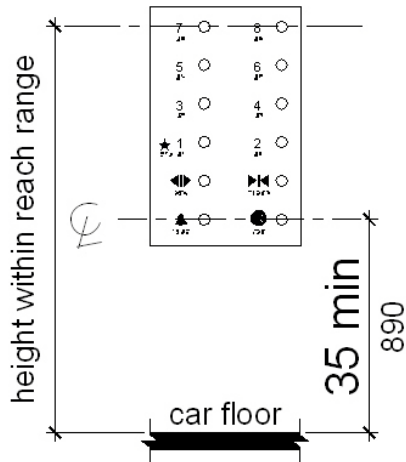
CBC 1116B.1.8  
CBC Fig. 11B-40B (b)

Car inside  
Elevator control panel

**12.23** Emergency controls, including the emergency stop and alarm, must be grouped in or adjacent to the bottom of the panel and must be 35" min AFF.

CBC 1116B.1.8 &  
CBC Fig. 11B-40B (a)

Car inside  
Elevator control panel - Elevator control panel detail



**12.24** Indicate on an enlarged detail elevator car control buttons to be designated by:

CBC 1116B.1.9

Car controls

1. Car control buttons shall have a minimum dimension of 3/4" and shall be illuminated.
2. Car control buttons shall be raised 1/8" +/- 1/32" above the surrounding surface and shall have square shoulders.
3. Floors shall be designated by numbers, a min of 5/8" high and white on a black background, with standard alphabet characters or standard symbols immediately to the left of control buttons.
4. A contracted (Grade 2) Braille symbol, located immediately below the numeral, character or symbol.
5. A minimum clear space of 3/8" or other suitable means of separation shall be provided between rows of control buttons.

**12**

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /  
Reference  
or Code Citation

Headings / Comments / Notes  
& Examples

**Check List 12. ELEVATORS AND PLATFORM (WHEELCHAIR) LIFTS**

**PLATFORM (WHEELCHAIR) LIFTS**

**THIS PORTION OF THE CHECKLIST IS CURRENTLY  
UNDER REVISION**

**13**

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /  
Reference  
or Code Citation

Heading / Comments / Notes  
& Examples

### Check List 13. PUBLIC TELEPHONES

**13.1** For additional scoping requirements and exceptions see also applicable **DSA-AC Checklist 1**.

**13.2** Indicate number and location of all public pay telephones, public closed circuit telephones, or other public telephones on each site and floor plan.

CBSC Part 1  
4-317(b) &  
CBC 1102B

Plans

Definitions

**DEFINITION:**

**CLOSED CIRCUIT TELEPHONE:**  
A telephone with dedicated line(s) such as a house phone, courtesy phone or phone that must be used to gain entrance to a facility.

**13.3** Indicate compliance status of all telephones included in this project (i.e. those that are to be newly constructed or altered, or part of the required path of travel) and provide DSA application number.

CBSC Part 1  
4-317(b)

Plans

**13.4** Indicate path of travel to accessible telephones (dashed line) and show 30" x 48" minimum clear floor space.

CBC 1117B.2.2 &  
CBSC Part 1  
4-317(b)

Clear ground floor space  
Plans

**13.5** Provide and indicate interior and exterior accessible public pay telephones, public closed circuit telephones, or other public telephones in compliance with the following table:

CBC 1117B.2.1 &  
ADA Stds 4.1.3(17)(a)

Telephones  
Public telephones

Number of each type of telephone provided on each floor	Minimum number of telephones required to comply with 1117B.2 (excluding TTY requirement).
1 or more single unit	At least 50 percent of telephone units per floor but not less than one.
1 bank	At least 50 percent of telephone units per bank but not less than one.
2 or more banks	At least 50 percent of telephone units per bank but not less than one. At least 1 telephone per floor shall meet the requirements for a forward reach telephone.

\*A bank is two or more adjacent telephones.

**13.6** Provide additional maneuvering space as required at alcoves (indicate dimensions).

CBC 1117B.2.4  
CBC Fig. 11B-5A

Relationship of maneuvering clearances to wheelchair spaces  
Minimum clear floor space for wheelchairs

**13.7** Provide enlarged side and front elevation, indicating height of operable parts, knee clearance, and location of required signage.

CBC Fig. 11B-4

Mounting heights and clearances for telephones

**13.8** Telephone enclosures that protrude into pedestrian circulation areas shall comply with 1133B.8.6.1.

CBC 1117B.2.7#4 &  
CBC 1133B.8.6.1

Protruding telephone enclosures  
Protruding objects - General

**13.9** Provide and indicate provision of volume control at all accessible telephones (12 dBA min to 18 dBA max above normal). In addition, equip 25%, but never less than one, of all other public telephones with a volume control and disperse

CBC 1117B.2.8,

Telephone equipment for hearing impaired persons

**13**

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /  
Reference  
or Code Citation

Heading / Comments / Notes  
& Examples

### Check List 13. PUBLIC TELEPHONES

them among all types of public telephones, including closed circuit telephones, throughout the building or facility.

<p><b>13.10</b> Provide and indicate at least one text telephone (TTY) where four or more public pay telephones are provided at the exterior and interior of a site and if at least one is in an interior location. The TTY must be located on the inside in a public use area.</p>	<p>CBC 1117B.2.9.1#1&amp; ADA Stds 4.1.3(17)(c)(i)</p>	<p>Text telephones – Where required Public telephones</p>
<p><b>13.11</b> Provide and indicate a text telephone (TTY) where at least one interior public pay telephone is located in a facility that is a stadium or arena, a convention center, a hotel with a convention center, or a covered mall.</p>	<p>CBC 1117B.2.9.1 #2</p>	<p>Text telephones – Where required</p>
<p><b>13.12</b> Provide and indicate a text telephone (TTY) where at least one public pay telephone is located in or adjacent to a hospital emergency room, hospital recovery room, or hospital waiting room. One TTY shall be provided at each such location.</p>	<p>CBC 1117B.2.9.1 #3</p>	<p>Text telephones – Where required</p>
<p><b>13.13</b> Provide and indicate a text telephone (TTY) if alterations to an existing building or facility with less than four exterior or interior public pay telephones would increase the total number to four or more telephones with at least one in an interior location.</p>	<p>CBC 1117B.2.9.1 #4</p>	<p>Text telephones – Where required</p>
<p><b>13.14</b> Provide and indicate a text telephone (TTY) if alterations to one or more exterior or interior public pay telephones occur in an existing building or facility with four or more public telephones with at least one in an interior location.</p>	<p>CBC 1117B.2.9.1 #5</p>	<p>Text telephones – Where required</p>
<p><b>13.15</b> Provide and indicate a text telephone in facilities used by entities that provide emergency services, including 911 services.</p>	<p>28 CFR §35.162</p>	<p>Telephone emergency services</p>
<p><b>13.16</b> Provide and indicate shelf and electrical outlet for portable TTY.</p>	<p>CBC 1117B.2.9.2 #2</p>	<p>Text telephones - General</p>
<p><b>13.17</b> Provide and indicate the following signage at accessible telephones:</p>		
<p>1. ISA at all wheelchair accessible telephones.</p>	<p>CBC 1117B.5.8.1</p>	<p>International Symbol of Accessibility</p>
<p>2. Depiction of telephone handset with radiating sound waves at all telephones with volume controls.</p>	<p>CBC 1117B.2.8</p>	<p>Telephone equipment for hearing impaired persons</p>
<p>3. International TTY symbol at all text telephones.</p>	<p>CBC 1117B.2.9.3</p>	<p>Text telephones - Signage</p>
<p>4. Directional signage adjacent to all banks of telephones which do not contain a text telephone indicating the location of the nearest text telephone (TTY). Include the international TTY symbol. If a facility has no banks of telephones, the directional signage shall be provided at the entrance (e.g., in a building directory).</p>	<p>CBC 1117B.2.9.3</p>	<p>Text telephones - Signage</p>

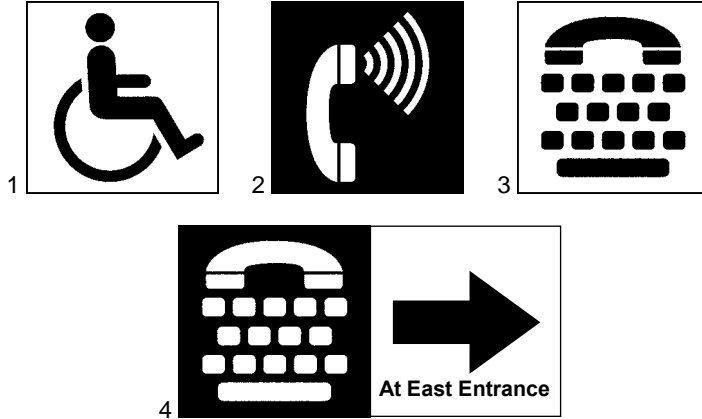
**13**

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /  
Reference  
or Code Citation

Heading / Comments / Notes  
& Examples

**Check List 13. PUBLIC TELEPHONES**



5. Indicate location of signs to be high enough to be seen even when the telephone is in use. Size signs so that they can be seen from a distance.

**13.18** In large projects with many telephone units or banks, provide ratio table, indicating total units, accessible units, volume control units, and TTY units for each floor/area.

**13.19** Telephones shall have push button controls where service for such equipment is available.

**13.20** The cord from the telephone to the handset shall be at least 29 inches long.

**13.21** Telephone book, if provided, must be located at a position within reach range.

CBSC Part 1  
4-317(b)

Plans

CBSC Part 1  
4-317(b)

Plans

CBC 1117B.2.10 &  
ADA Stds 4.31.6

Telephones - Controls  
Telephones - Controls

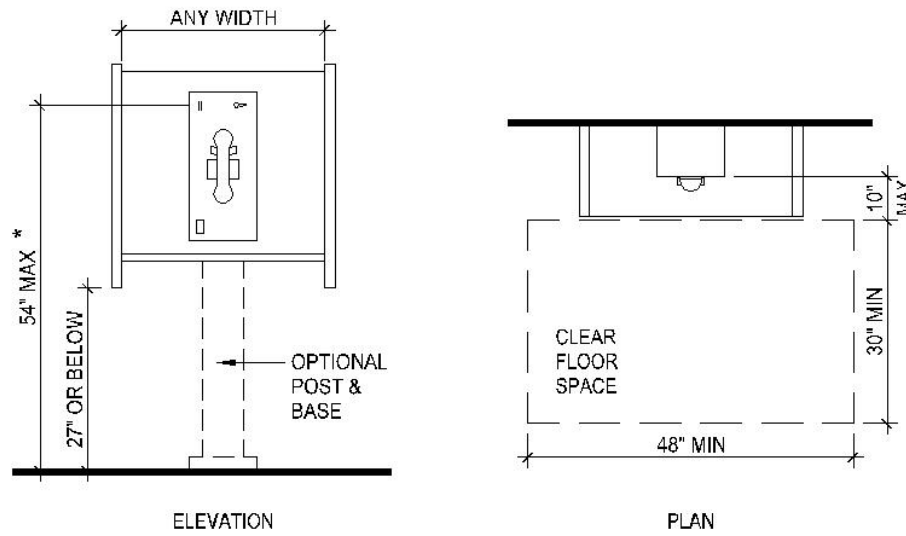
CBC 1117B.2.11 &  
ADA Stds 4.31.8

Telephones - Cord length  
Telephones - Cord length

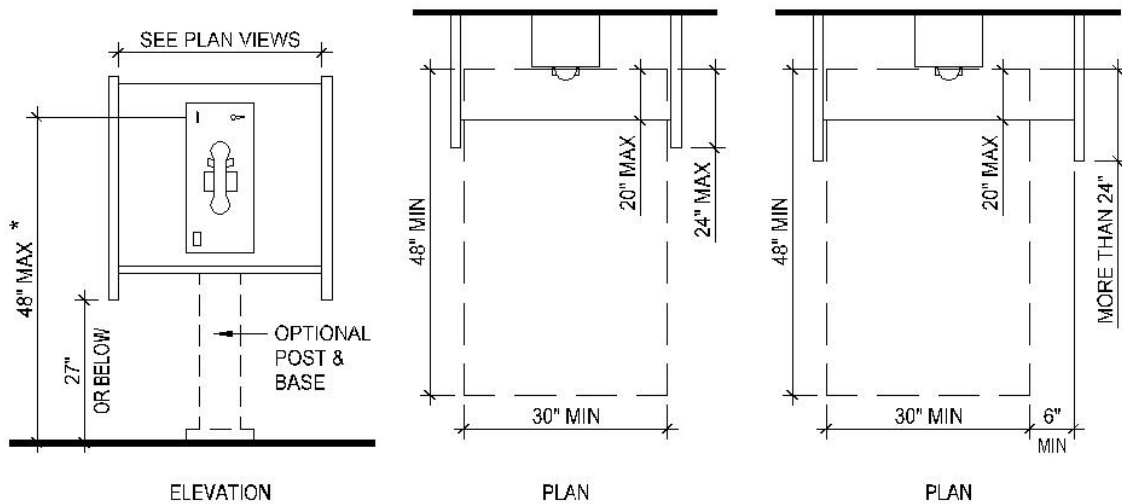
CBC 1117B.2.12 &  
ADA Stds 4.31.7

Telephone books  
Telephone books





SIDE REACH POSSIBLE



FORWARD REACH REQUIRED

\* HEIGHT TO HIGHEST OPERABLE PARTS WHICH ARE ESSENTIAL TO BASIC OPERATION OF TELEPHONE.

**Fig 13-A Telephone Approaches and Reach Ranges**

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /  
Reference  
or Code Citation

Headings / Comments / Notes  
& Examples

### Check List 14. DRINKING FOUNTAINS

<p><b>14.1</b> For additional scoping requirements and exceptions see also applicable <b>DSA-AC Checklist 1</b>.</p>		
<p><b>14.2</b> Indicate location and user type of all interior and exterior drinking fountains (DFs) on each site and floor plan.</p>	<p>CBSC Part 1 4-317(b)</p>	<p>Plans</p>
<p><b>14.3</b> Indicate compliance status of all DFs included in this project (i.e. those that are to be newly constructed or altered, or part of the required path of travel) and provide DSA application number.</p>	<p>CBSC Part 1 4-317(b)</p>	<p>Plans</p>
<p><b>14.4</b> Indicate the path of travel (dashed line) to accessible DFs and show a 30" x 48" min clear space.</p>	<p>ADA Stds 4.1.3(10)(b) CBSC Part 1 4-317(b)</p>	<p>Drinking fountains Plans</p>
<p><b>14.5</b> Provide and indicate "hi-low" combination DF in new construction where only one drinking fountain area is provided per floor.</p>	<p>CBC 1117B.1 #1</p>	<p>Accessible drinking fountains - General</p>
<p><b>14.6</b> Provide and indicate "hi-low" combination DF in alteration projects if DF is <u>part of the alteration</u> and where only one drinking fountain area is provided per floor.</p>	<p>CBC 1134B.2</p>	<p>Accessibility for existing buildings</p>
<p><b>14.7</b> Provide and indicate "hi-low" combination DF in alteration projects if DF <u>serves the area of alteration</u> and where only one drinking fountain area is provided per floor.</p>	<p>CBC 1134B.2.1</p>	<p>Accessibility for existing buildings</p>
<p><b>14.8</b> Where more than one DF is provided on a floor, indicate that 50% of those provided are to be accessible and located on an accessible route of travel.</p>	<p>CBC 1117B.1 #1</p>	<p>Accessible drinking fountains - General</p>
<p><b>14.9</b> When DFs are provided, indicate "hi-low" combination, or one wheelchair accessible DF and one DF at standard height within immediate proximity.</p>	<p>CBC 1117B.1 #1 &amp; ADA Stds 4.1.3(10)(a)</p>	<p>Accessible drinking fountains - General Drinking fountains</p>
<p><b>14.10</b> Where a "hi-low" type fountain is provided, indicate the 30" x 48" clear floor space centered on the "low" fountain fixture.</p>	<p>CBC 1117B.1 #2</p>	<p>Clearances</p>
<p><b>14.11</b> All DFs must be located in alcoves, positioned completely between wing walls or otherwise positioned so as not to encroach into pedestrian ways.</p>	<p>CBC 1117B.1 #3 CBC Fig. 11B-3A</p>	<p>Alcoves Drinking fountains</p>
<p><b>14.12</b> Provide alcove dimensions:</p> <ol style="list-style-type: none"> <li>1. 32" min wide and 18" min deep.</li> <li>2. 36" min wide, if alcove is deeper than 24".</li> </ol>	<p>CBC 1117B.1 #3 CBC Fig. 11B-3A(a)</p>	<p>Alcoves Drinking fountains</p>
<p><b>14.13</b> If wing walls are provided, they must project out from the supporting wall at least as far as the DF to within 6" of the surface of the surface of the circulation path. There shall be 32" minimum clear between the wing walls.</p>	<p>CBC 1117B.1 #3 CBC Fig. 11B-3A(b&amp;c)</p>	<p>Alcoves Drinking fountains</p>
<p><b>14.14</b> Provide and indicate the following clearances for wheelchair accessible DF on enlarged elevations and plan. Refer to checklist figure 14-B.</p> <ol style="list-style-type: none"> <li>1. DF must be 18" - 19" deep and allow front approach.</li> </ol>	<p>CBC 1117B.1 #2</p>	<p>Clearances</p>

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /  
Reference  
or Code Citation

Headings / Comments / Notes  
& Examples

### Check List 14. DRINKING FOUNTAINS

2.	Knee clearance must be 27" min AFF for a depth of 8" min, measured from the front edge of the DF.	CBC 1117B.1 #2	Clearances
3.	Toe clearance must be 9" min AFF and 17" min deep, measured from the front of the DF.	CBC 1117B.1 #2	Clearances
4.	DF activator must provide accessible operation and be within 6" of the front edge of the DF.	CBC 1117B.1 #4	Bubbler
5.	Indicate that the force required to activate controls can not exceed 5 lbf.	CBC 1117B.1 #4	Bubbler
6.	The bubbler outlet must be at 36" max AFF.	CBC 1117B.1 #4	Bubbler
7.	Indicate that the spout must provide a flow of water at least 4" high.	CBC 1117B.1 #5	Spout
8.	On DFs with round or oval bowls, the bubbler outlet must be located so that the flow of water is within 3" of the front edge of the DF.	CBC 1117B.1 #5	Spout
9.	On DFs with square bowls, the bubbler outlet must be within 6" of the front edge of the DF and provide a flow of water that is parallel with the front edge.	CBC 1117B.1 #4	Bubbler
14.15	DFs in facilities primarily used by children should be adjusted to meet their accessibility needs in accordance with the following suggested dimensions: 1. Knee clearance height must be 24" max AFF for elementary schools and 22" max AFF for kindergarten. 2. The bubbler outlet height must be 32" max AFF for elementary schools and 30" max AFF for kindergarten.	CBC 1115B.1.2 & CBC Table 1115B-1	Where used by children Suggested dimensions for children's use
14.16	DF details on architectural plans must correspond with site plan, plumbing plans, and/or specs.	CBSC Part 1 4-317(b)	Plans
14.17	Provide dimensioned detail representing the actual fixture, for all accessible DFs under this contract.	CBSC Part 1 4-317(b)	Plans
14.18	Bring manufacturer's DF cut sheets to back check.	CBSC Part 1 4-317(b)	Plans

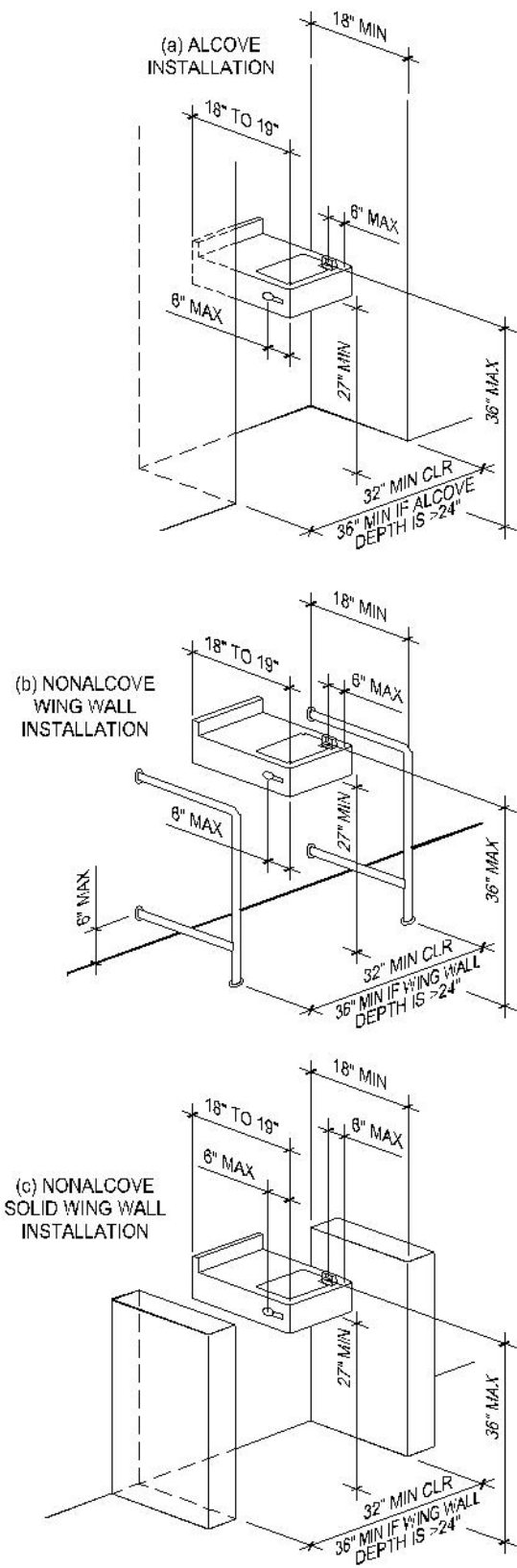
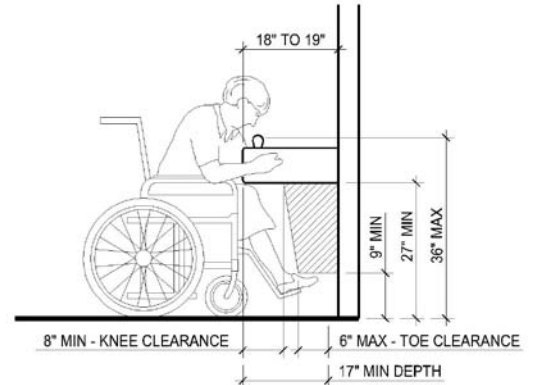


Fig 14-A. Single Accessible Drinking Fountain



\* EQUIPMENT PERMITTED IN SHADED AREA

Fig 14-B. Spout Height and Knee Clearance at Drinking Fountains

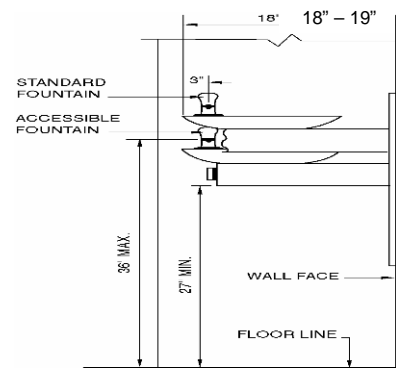
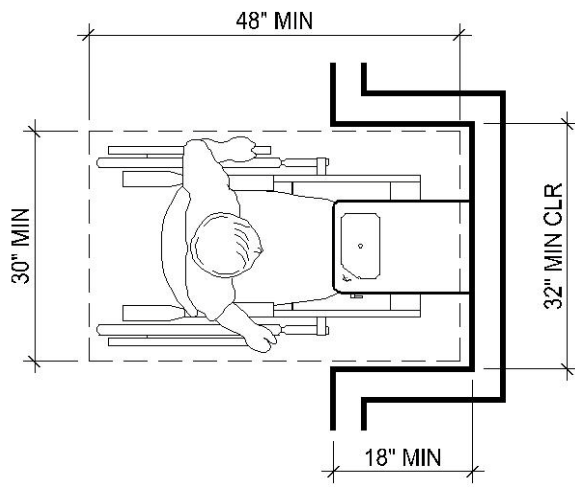
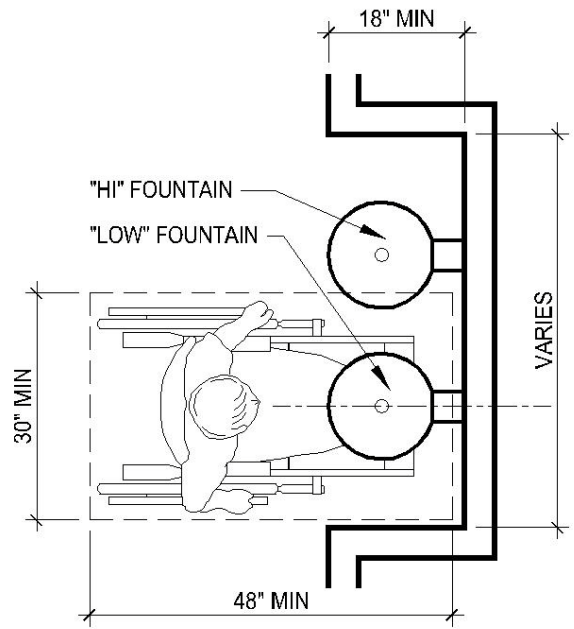


Fig 14-C. Side Elevation "Hi-Low"



NOTE:  
 AT ALCOVES DEEPER THAN 24"  
 ADDITIONAL 6" MANEUVERING  
 CLEARANCE IS REQUIRED.  
 SEE CBC 1118B.4, ITEM 2.

**Fig 14-D. Clear Floor Space at Drinking Fountain Alcoves**



NOTE:  
 AT "HI-LOW" TYPE FOUNTAINS,  
 CENTER THE 30" BY 48" CLEAR  
 FLOOR SPACE ON THE "LOW"  
 FOUNTAIN FIXTURE

**Fig 14-E. Clear Floor Space at "Hi-Low" Drinking Fountain Alcoves**

**15**

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /  
Reference  
or Code Citation

Headings / Comments / Notes  
& Examples

### Check List 15. SANITARY FACILITIES

<p><b>15.1</b> For additional scoping requirements and exceptions see also applicable <b>DSA-AC Checklist 1</b>.</p>		
<p><b>15.2</b> Indicate location and DSA application number of all toilet and bathing facilities on site plan.</p>	<p>CBSC Part 1 4-317(b)</p>	<p>Plans</p>
<p><b>15.3</b> All toilet and bathing facilities under this contract shall be on an accessible route and shall be made accessible (i.e. those that are to be newly constructed or altered, or part of the required path of travel).</p> <p>EXCEPTION:</p> <p>In alterations where accessibility is required to and in sanitary facilities serving the area of alteration, when DSA determines that compliance would create an unreasonable hardship, and when equivalent facilitation is provided.</p> <p>When equivalent facilitation is used, accessible sanitary facilities must be provided within a reasonable distance of accessible areas. Signage shall be provided at inaccessible sanitary facilities indicating the location of the nearest accessible sanitary facility.</p>	<p>CBC 1115B.1</p>	<p>Bathing and toilet facilities - General</p> <p><u>NOTE:</u> DSA generally does not determine hardship if the equivalent facilitation toilet facility provides only front transfer.</p>
<p><b>15.4</b> Where separate facilities are provided for persons of each sex, these facilities shall be accessible to persons with disabilities. Where unisex facilities are provided, these facilities shall be accessible to persons with disabilities.</p>	<p>CBC 1115B.1.1</p>	<p>Separate and unisex facilities</p> <p><u>NOTE:</u> Labor Code §2350 requires separate facilities within a reasonable distance when there are five or more employees.</p>
<p><b>15.5</b> In existing buildings or facilities, unisex toilet rooms will be permitted where it is determined that full code compliance is technically infeasible in an area of alteration.</p>	<p>DSA Policy 97-01</p>	<p>Unisex Toilet Rooms</p>
<p><b>15.6</b> Common-use accessible sanitary facilities shall be accessible directly from a corridor or from the exterior (not through an office, a classroom, or any assembly or performance area which disturbs the function of that room).</p>	<p>CBC 1114B.1.2 &amp; ADA Stds 4.3</p>	<p>Accessible route of travel Accessible route</p>
<p><b>15.7</b> Door leading to sanitary facility must be accessible. Indicate door width, door maneuvering clearances and slope, and show 90° door swing on plan.</p>	<p>CBC 1115B.5 &amp; CBC 1133B.2</p>	<p>Passageways Doors</p>
<p><b>15.8</b> At sanitary facility, door cannot swing into the clear floor space required for any fixture (i.e. front and side transfer spaces at accessible WC, spaces at accessible urinal and lavatory, and transfer spaces at accessible showers and bathtubs). Doors may swing into that portion of maneuvering space which does not overlap the fixture's required clear floor space.</p>	<p>CBC 1115B.3.1 #2 CBC 1115B.3.2 #2 CBC Fig 11B-1E</p>	<p>Multiple-accommodation toilet facilities Single-accommodation toilet facilities</p>
<p><b>15.9</b> Indicate 30" x 48" clear floor space on plan at accessible urinal, shower/bathtub, and at least one accessible lavatory.</p>	<p>CBC 1115B.4.2 #3 CBC 1115B.4.3 #3 CBC 1115B.4.5 #1 CBC Figs 11B-2A-C</p>	<p>Accessible urinals Accessible lavatories Accessible bathtubs Shower Stalls</p>

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification / Reference or Code Citation

Headings / Comments / Notes & Examples

**Check List 15. SANITARY FACILITIES**

- |  |   |  |
|--|---|--|
| <p><b>15.10</b> Indicate wheelchair turning space on plan:</p> <ol style="list-style-type: none"> <li>1. 60" diameter circle or a T-shaped space for 180 turns in single accommodation toilet facility.</li> <li>2. 60" diameter circle in multiple accommodation toilet facility.</li> <li>3. 60" diameter circle or a T-shaped space for 180 turns in bathroom, bathing facility &amp; shower room.</li> </ol> | <p>CBSC Part 1 4-317(b), &amp; CBC 1115B.3.2 #1</p> <p>CBC 1115B.3.1 #1</p> | <p>Plans</p> <p>Wheelchair clearance</p> <p>Wheelchair clearance</p> |
| <p><b>15.11</b> Doors, other than the door to the accessible compartment, cannot swing into the wheelchair turning space by more than 12".</p>   | <p>ADA Stds 4.23.3</p> <p>CBC 1115B.3.1 #1</p>                              | <p>Clear floor space</p> <p>Wheelchair clearance</p>                 |
| <p><b>15.12</b> In alterations, provide as-built dimensions pertinent to compliance status of this restroom.</p>   | <p>CBSC Part 1 4-317(b)</p>   | <p>Plans</p>   |
| <p><b>15.13</b> For restroom signage see <b>Checklist 17</b>.</p>  |   |  |
| <p><b>15.14</b> Coordinate plumbing drawings with architectural drawings.</p>  | <p>CBSC Part 1 4-317(b)</p>   | <p>Plans</p>   |
| <p><b>15.15</b> Coordinate all fixtures shown on fixture schedule with all plumbing fixtures shown on plumbing and architectural drawings.</p>   | <p>CBSC Part 1 4-317(b)</p>   | <p>Plans</p>   |

**WATER CLOSETS (WCs) AND COMPARTMENTS**

- |  |                           |  |
|--|---------------------------|--|
| <p><b>15.16</b> Compartment door to accessible fixture must comply with door maneuvering requirements, and in no case shall the space immediately outside of the water closet compartment door be less than 48" measured perpendicular to the compartment door in its closed position. Indicate strike edge clearance and landing depth (e.g., for front pull-side approach show 18" and 60" dimensions). See Checklist 8 for door requirements.</p> | <p>CBC 1115B.3.1 #4.5</p> | <p>Accessible water closet compartment</p> |
| <p><b>15.17</b> Provide and indicate the following for compartment door to accessible fixture:</p>   | <p>CBC 1115B.3.1 #4</p>   | <p>Accessible water closet compartment</p> |
| <p>1. Side entry stall door must have 34" clear opening.</p>   | <p>CBC 1115B.3.1 #4.4</p> | <p>Accessible water closet compartment</p> |
| <p>2. Front entry stall door must have 32" clear opening.</p>  | <p>CBC 1115B.3.1 #4.4</p> | <p>Accessible water closet compartment</p> |
| <p>3. Stall door must be self-closing, and have U-pulls on both sides. If provided, the locking mechanism must be accessible, not requiring grasping, pinching or turning of the wrist.</p>  | <p>CBC 1115B.3.1 #4.5</p> | <p>Accessible water closet compartment</p> |

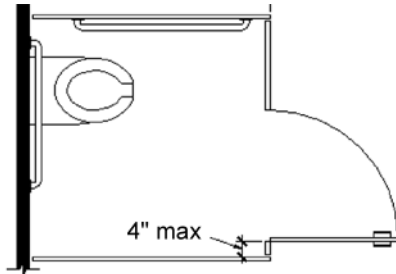
Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification / Reference or Code Citation

Headings / Comments / Notes & Examples

**Check List 15. SANITARY FACILITIES**

**15.18** Front entry stall door must be located in front of the WC side transfer space – not in front of the WC – with a maximum stile width of 4 inches.



CBC 1115B.3.1 #4.3  
ADA Stds Fig 30(a)

Accessible water closet compartment  
Toilet stalls - Standard stall

**15.19** In multiple-accommodation toilet rooms, provide and indicate a 44" min clear passageway to the accessible WC compartment, excluding door opening and door swings.

CBC 1115B.3.1 #4.5

Accessible water closet compartment

**15.20** In accessible water closet compartments, provide and indicate clear floor space and maneuvering space consistent with Fig 15-C at the end of this checklist.

CBC Fig 11B-1E

Clearances at water closets

**15.21** Indicate height of top of WC seat. Provide exact dimension, not a range, and coordinate with specifications and product cut sheet.

CBC 1115B.4.1 #4

Accessible water closets

**15.22** Indicate WC flush valve to be on wide side of toilet area.

CBC 1115B.4.1 #5

Accessible water closets

**15.23** In new construction and alterations, indicate 18" from centerline of WC to nearest sidewall.

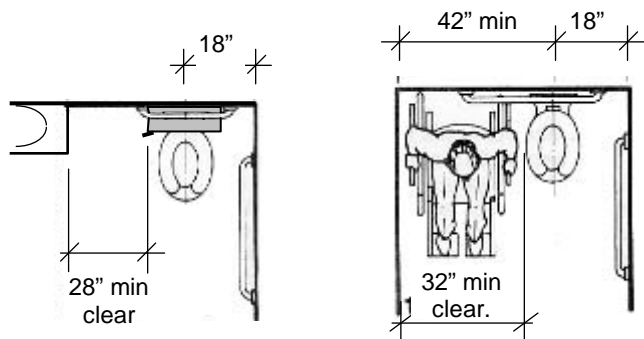
CBC 1115B.4.1 #1

Accessible water closets

**15.24** Indicate a 28" min wide clear dimension between the accessible WC (or tank) and any other fixture or a 32" min wide clear dimension to sidewall or partition that is located on the wide side.

CBC 1115B.4.1 #1

Accessible water closets



**15.25** Indicate 42" min from centerline of WC to wall on wide side, or indicate total width of clear area to be 60" min (18" + 42") to allow side and front transfer use.

CBC 1115B.3.1 #4.1  
ADA Stds Fig 28(c)

Accessible water closet compartment  
Clear floor space at water closets

**15.26** Provide one ambulatory accessible stall where six or more WCs are provided within a multiple-accommodation toilet room.

CBC 1115B.3.1 #5

Large toilet rooms



Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /  
Reference  
or Code Citation

Headings / Comments / Notes  
& Examples

### Check List 15. SANITARY FACILITIES

<p><b>15.27</b> Provide and indicate the following at ambulatory accessible stall:</p> <ol style="list-style-type: none"> <li>1. Stall must be 36" wide absolute.</li> <li>2. Stall length must provide 24" in front of the WC, and allow installation of grab bars on each side.</li> <li>3. Stall door with 32" clear opening.</li> <li>4. Stall door must be out-swinging, self-closing, have U-pulls on both sides and a locking mechanism that does not require grasping, pinching or turning of the wrist.</li> <li>5. Parallel grab bars on both sides of the WC, at least 42" long, with the front end positioned 24" from the WC.</li> <li>6. Accessible WC fixture and accessible toilet accessories.</li> </ol>	<p>CBC 1115B.3.1#5</p> <p>CBC 1115B.4.1 #3</p> <p>CBC 1115B.4.1 #3</p> <p>ADA Stds 4.22.4</p>	<p>Large toilet rooms</p> <p>Accessible water closets</p> <p>Accessible water closets</p> <p>Water Closets</p>
<p><b>GRAB BARS IN TOILET FACILITIES</b></p>		
<p><b>15.28</b> Indicate height of grab bar to be 33" AFF.</p> <p>EXCEPTION: Where a tank-type toilet is used which obstructs placement at 33" AFF, the back grab bar may be 36" max AFF.</p>	<p>CBC 1115B.4.1 #3</p> <p>CBC 1115B.4.1 #3.2</p>	<p>Accessible water closets</p> <p>Accessible water closets</p>
<p><b>15.29</b> At an accessible WC, indicate a 36" long back grab bar to extend 12" beyond the center of the WC toward the side wall, and 24" toward the open side.</p>	<p>CBC 1115B.4.1 #3.2</p>	<p>Accessible water closets</p>
<p><b>15.30</b> At an accessible WC, indicate 42" min long side grab bar to extend 54" min beyond the back wall.</p>	<p>CBC 1115B.4.1 #3.1</p>	<p>Accessible water closets</p>
<p><b>15.31</b> Indicate diameter of grab bars and coordinate with specs.</p>	<p>CBC 1115B.7.1</p>	<p>Diameter or width</p>
<p><b>15.32</b> Indicate space between grab bar and adjacent wall to be 1-1/2" absolute.</p>	<p>CBC 1115B.7.1</p>	<p>Diameter or width</p>
<p><b>ACCESSORIES</b></p>		
<p><b>15.33</b> Indicate location and provide necessary dimensions for all toilet/bathroom dispensers/disposals/accessories (e.g., soap, paper towel, seat cover, feminine tissue, electric dryer, coat hooks, etc) on enlarged plans and elevations. Elements must be within reach range of user but cannot protrude into any required clear floor space.</p>	<p>CBC 1115B.8</p>	<p>Accessories</p>
<p><b>15.34</b> Indicate toilet paper dispenser (TPD) located within 12" of the front edge of the WC, mounted below the grab bar, centered 19" min AFF, and 36" max to the far edge from the rear wall. TPDs that control delivery, or that do not permit continuous paper flow, shall not be used.</p>	<p>CBC 1115B.8.4, CBC Fig. 11B-1A &amp; ADA Stds 4.16.6</p>	<p>Toilet tissue dispensers Side elevation Water closets - Dispensers</p>

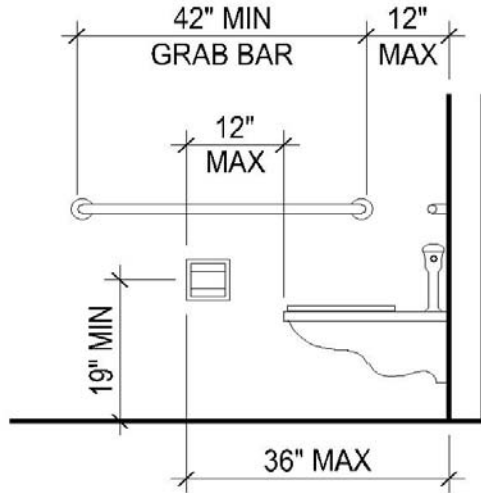
**15**

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /  
Reference  
or Code Citation

Headings / Comments / Notes  
& Examples

### Check List 15. SANITARY FACILITIES



- |  |  |  |
|--|--|--|
| <p><b>15.35</b> Indicate projection of dispensers and disposals (e.g. toilet paper dispenser, feminine tissue disposal) in accessible and ambulatory accessible compartment. Provide recess for installation and coordinate elevations, notes and specs.</p>   | <p>CBC 1115B.8.3</p>   | <p>Towel, sanitary napkin, waste receptacles, dispensers &amp; controls</p>  |
| <p><b>15.36</b> If dispensers and disposals are N.I.C., indicate dimensions of recess or compliant projection.</p>   | <p>CBSC Part 1<br/>4-317(b)</p>  | <p>Plans</p>   |
| <p><b>15.37</b> Indicate height of operable parts, including coin slots of dispensers, disposal containers and other equipment (at least one of each type), to be 40" max AFF.</p>   | <p>CBC 1115B.8.3</p>   | <p>Towel, sanitary napkins, waste receptacles, dispensers &amp; controls</p> |
| <p><b>15.38</b> If medicine cabinets are provided, indicate at least one with a usable shelf at 44" max AFF. Indicate 30" x 48" clear floor space in front of the medicine cabinet allowing a forward or parallel approach.</p>  | <p>CBC 1115B.8.2</p>   | <p>Medicine cabinets</p>   |
| <p><b>15.39</b> Indicate bottom of all mirrors above accessible lavatories or countertops to be 40" max AFF to the bottom of the reflecting surface.</p>   | <p>CBC 1115B.8.1.1</p>   | <p>(Mirrors)</p>   |
| <p><b>15.40</b> When mirrors are provided at locations other than above lavatories or countertops, indicate bottom of at least one to be 35" max AFF to the bottom of the reflecting surface.</p>  | <p>CBC 1115B.8.1.2</p>   | <p>(Mirrors)</p>   |
| <p><b>15.41</b> Provide soap dispenser within reach range of clear 30" x 48" user space at accessible lavatory.</p>  | <p>CBC 1115B.4.3 #3,<br/>CBC Fig. 11B-5C &amp;<br/>CBC Fig. 11B-5D</p> | <p>Accessible lavatories<br/>Forward reach<br/>Side reach</p>                |
| <p><b>15.42</b> Indicate size and location of waste bin in all floor plans; especially if waste bin is not in contract (N.I.C.) This provides owner with dimensional requirements for purchase or installation. Provide recessed space in case waste bin would protrude into any required clear floor space (consider doors, fixtures, accessories, circulation path, etc.).</p> | <p>CBSC Part 1<br/>4-317(b)</p>  | <p>Plans</p>   |

**15**

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

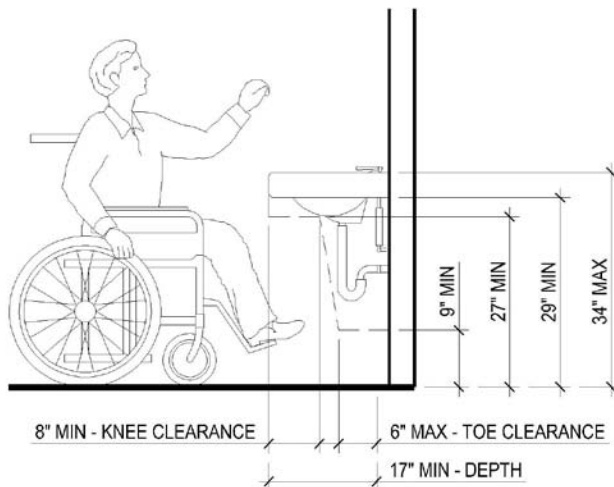
Justification / Reference or Code Citation

Headings / Comments / Notes & Examples

**Check List 15. SANITARY FACILITIES**

**LAVATORIES (LAVs)**

- 15.43** At least 5% of lavatories, but not less than one lavatory, shall be accessible
- 15.44** Provide and indicate 18" min from any adjacent side wall or partition to centerline of LAV.
- 15.45** Provide enlarged side elevation indicating the following dimensions:
  1. Rim or counter edge no higher than 34" AFF.
  2. Apron to floor 29" min.
  3. 27" min knee clearance (measured 8" min from front edge).
  4. A maximum of 6" of the 48" clear floor space required at the fixture can extend into the minimum 9" high toe clearance.



LAVATORY CLEARANCES

- 15.46** Lavatory elevation must reflect actual fixture chosen. Specify fixture that is shown in plans.
- 15.47** Provide note on plan stating that all drainpipes and all hot water pipes accessible under lavatories must be insulated or otherwise covered.
- 15.48** Provide the following note on plan: "There shall be no sharp or abrasive surfaces under lavatories".
- 15.49** Paper towel dispenser/electrical dryer cannot protrude into the required 30" x 48" clear floor space.

CBC 1115B.4.3  
 CBC 1115B.4.3 #2  
 CBC 1115B.4.3 #2, CBC Fig. 11B-1D & ADA Stds 4.19.2  
 ADA Stds Fig 31 & CBC Fig. 11B-1D

Accessible lavatories  
 Accessible lavatories  
 Accessible lavatories  
 Knee clearance  
 Height and clearances  
 Lavatory clearances  
 Knee clearance  
**NOTE:**  
 DSA may consider some lavatories protruding objects if they are located in the direct path of travel, or if a blind person would not expect them at this location.

CBSC Part 1 4-317(b)  
 CBC 1115B.4.3 #4  
 CBC 1115B.4.3 #4  
 CBC 1133B.8.6.1  
 CBC Fig 11B-7D

Plans  
 Accessible lavatories  
 Accessible lavatories  
 Protruding objects – General Protection Around Wall-Mounted Objects

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification / Reference or Code Citation

Headings / Comments / Notes & Examples

**Check List 15. SANITARY FACILITIES**

**URINALS**

**15.50** Where one or more wall-hung urinals are provided, provide at least one wall-hung accessible urinal and indicate the following:

1. Rim to be 17" max AFF.
2. Rim to project 14" to 17" from back wall.
3. Flush control at 44" max AFF.

CBC 1115B.4.2 #1

Accessible urinals

**15.51** Indicate 30" min clearance between walls or partitions that project 24" or less from the front edge of the 30" x 48" clear space.

CBC 1115B.4.2 #2

Accessible urinals

CBC 1115B.4.2 #3  
CBC 1118B.4

Accessible urinals  
Clear floor or ground space for wheelchairs

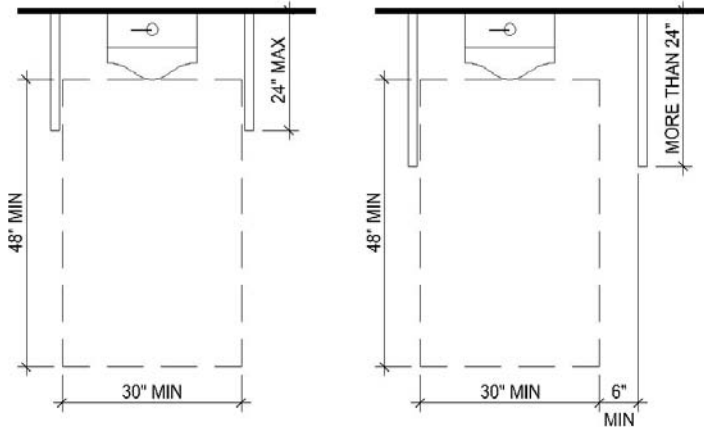
CBC Fig 11B-5A(a)

**15.52** Indicate 36" min clearance between walls or partitions that project more than 24" from the front edge of the 30" x 48" clear space (alcove situation).

CBC 1115B.4.2 #3  
CBC 1118B.4

Accessible urinals  
Clear floor or ground space for wheelchairs  
Additional maneuvering clearance for alcoves

CBC Fig 11B-5A(b)



**SHOWERS**

**15.53** Provide at least one accessible shower for each 100 (or fraction thereof) of total showers.

CBC 1115B.2 & ADA Stds 4.23.8

Bathing and shower facilities  
Bathing and shower facilities

**15.54** Indicate size of shower stall to be either:

CBC 1115B.4.4.1

Sizes and clearances

1. Roll-in shower – 60" min width between wall surfaces and 30" min depth with a full opening width on the long side.
2. Alternate roll-in shower – 60" min width between wall surfaces and 36" min depth with an entrance opening width of 36" min.
3. Alternate roll-in shower with optional enclosure – 60" min width between wall surfaces and 36" min depth as long as the entrance opening width is a minimum 36".

CBC Fig 11B-2A

Shower Stalls

CBC Fig 11B-2B

Shower Stalls

CBC Fig 11B-2C

Shower Stalls

**15.55** Provide the following shower accessories and indicate location and dimensions:

**15**

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /  
Reference  
or Code Citation

Headings / Comments / Notes  
& Examples

### Check List 15. SANITARY FACILITIES

1. Single-lever faucet control.	CBC 1115B.4.4.4	Water controls
2. Hand-held sprayer with hose	CBC 1115B.4.4.5	Hand-held sprayer unit
3. Folding seat.	CBC 1115B.4.4.8 #1	Shower accessories
4. Grab bars.	CBC 1115B.4.4.8 #2	Shower accessories
5. Soap dish.	CBC 1115B.4.4.9	Soap dish
<b>15.56</b> Indicate floor slope to be 2% max in any direction.	CBC 1115B.4.4.7	Floor slope
<b>15.57</b> Thresholds in roll-in type showers shall be 1/2 inch high maximum and comply with 1124B.2.	CBC 1115B.4.4.2	Thresholds
<b>BATHTUBS</b>		
<b>15.58</b> Provide one accessible bathtub for each 100 (or fraction thereof) of total bathtubs.	CBC 1115B.2 & ADA Stds 4.23.8	Bathing and shower facilities Bathing and shower facilities
<b>15.59</b> Indicate size of clear floor space in front of bathtub (in relation to long dimension of tub):	CBC 1115B.4.5 #1	Accessible bathtubs - Floor space
1. 48" x 60" for perpendicular approach at bathtub with seat in tub.	CBC Fig. 11B-8(a)	Clear floor space at bathtubs
2. 30" x 60" for parallel approach at bathtub with seat in tub.	CBC Fig. 11B-8(b)	Clear floor space at bathtubs
3. 30" x 75" for parallel approach at bathtub with seat at head of tub.	CBC Fig. 11B-8(c)	Clear floor space at bathtubs
<b>15.60</b> Provide the following bathtub accessories and indicate location and dimensions:	CBC 1115B.4.5	Accessible bathtubs
1. Single-lever faucet control.	CBC 1115B.4.5 #4	Accessible bathtubs - Controls
2. Hand-held sprayer with hose.	CBC 1115B.4.5 #5	Accessible bathtubs - Shower unit
3. Seat.	CBC 1115B.4.5 #2 & CBC Fig. 11B-8	Accessible bathtubs - Seat Clear floor space at bathtubs
4. Grab bars.	CBC 1115B.4.5 #3 & CBC Fig. 11B-9	Accessible bathtubs - Grab bars Grab bars at bathtubs
<b>LOCKER ROOMS IN BATHING FACILITIES</b>		
<b>15.61</b> 1% of all lockers (but not less than 1) shall be made accessible.	CBC 1115B.8.5 ADA Stds 4.1.3(12)(a)	Lockers Storage, shelving and display units
<b>15.62</b> The accessible route of travel to accessible lockers shall be no less than 36" in clear width.	CBC 1115B.8.5	Lockers
<b>15.63</b> Provide elevation and indicate heights of locks (at 48" max) and shelves (between 15" and 48").	CBC 1118B.5	Forward reach
<b>15.64</b> Provide and indicate a bench or section of bench close to the accessible locker, measuring 24" deep, 48" wide, and 17" to 19" AFF, fixed to a wall along the longer dimension.	CBC 1117B.8 ADA Stds 4.35.4	Fitting and dressing rooms Dressing, fitting, and locker rooms - Bench

**15**

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /  
Reference  
or Code Citation

Headings / Comments / Notes  
& Examples

**Check List 15. SANITARY FACILITIES**

**15.65** Provide and indicate a 60" square min clear space in front of the accessible bench section, located in such a manner to allow a person using a wheelchair to make a parallel transfer onto the bench.

CBC 1117B.8  
ADA Stds 4.35.2

Fitting and dressing rooms  
Dressing, fitting, and locker rooms  
- Clear floor space

**CHILDREN**

**15.66** Design and construction of toilet and bathing facilities solely used by children may be adjusted to meet their accessibility needs. See Figure 15-A at the end of this Checklist for an updated table of suggested dimensions.

CBC 1115B.1.2 &  
CBC Table 1115B-1

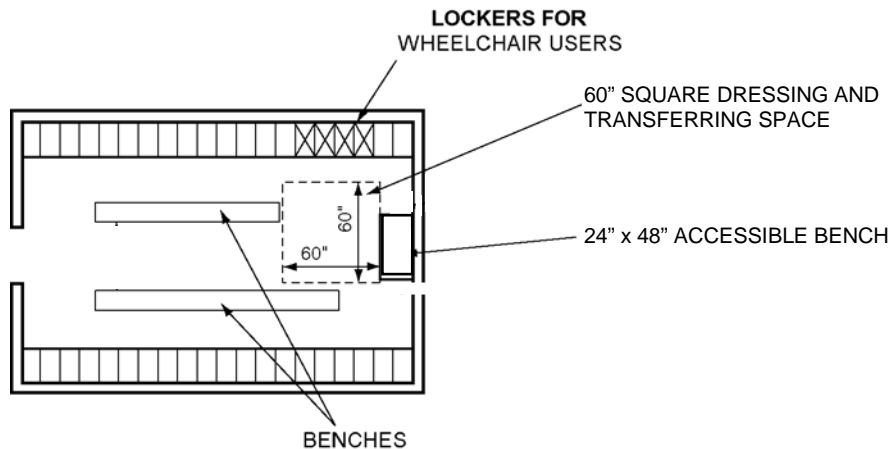
Where used by children  
Suggested dimensions for  
children's use

A = Adult dimensions (age 12 and over)  
 E = Elementary school dimensions  
 K = Kindergarten and pre-school dimensions  
 FED = ADA Standards dimensions for children's use, shown for reference only – consult the federal ADA Standards for age specific dimensions where ranges are presented.

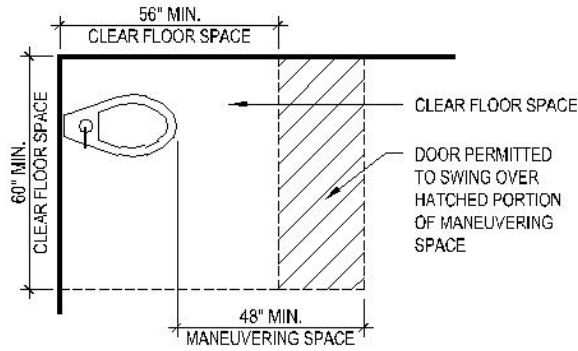
ALTERNATIVE DIMENSIONS IN INCHES		A (Inches)	E (Inches)	K (Inches)	FED Children
a	Toilet centering from wall	18	15	12	12-18
b	Toilet seat height/dimensions to top of seat	17-19	15	11-12**	11-17
c	Grab bar height (centerline)	33	27	20-22	18-27
d	Toilet paper above floor (centerline)	19 min	-	-	14-19
e	Toilet paper in front of toilet	12 max	6 max	6 max	-
f	Napkin disposal in front of toilet	12 max	12 max	N/A	-
g	Dispenser height	40 max	36 max	32 max	-
h	Mirror height (to bottom of glass)	40 max	36 max	32 max	-
l	Lavatory/sink top height	34 max	29 max	24 max	31 max
j	Lavatory apron clearance	29 min	-	-	24 min*
k	Lavatory/sink knee clearance	27 min	24 min	19 min	24 min*
l	Urinal lip height	17 max	15 max	13 min	-
m	Urinal, toilet flush handle height	44 max	37 max	32 max	36-44 max
n	Drinking fountain bubbler height	36 max	30 max**	30 max	30 max
o	Drinking fountain knee clearance	27 min	24 min	22 min	-
p	Ramp/stair handrail height	34-38	27***	22***	28 max***
q	Fixed or built-in seating, table top height	28-34	-	-	26-30*
r	Fixed or built-in seating and table knee clearance	27 min	-	-	24 min*
s	Forward reach range (high)	48 max	-	-	36-44 max
t	Side reach range (high)	54 max	-	-	36-44 max
u	Forward reach range (low)	15 min	-	-	20-16 min
v	Side reach range (low)	9 min	-	-	20-16 min

- \* No ADA Standards requirement if element is used primarily by children ages 5 and younger and if clear floor and parallel approach is provided.
- \*\* Change from CBC due to more restrictive federal standards (see GC 4450(b) and CBC §1.9.1).
- \*\*\* In addition to adult rail. Maintain 9" minimum vertical clearance between upper and lower handrails to help prevent entrapment.

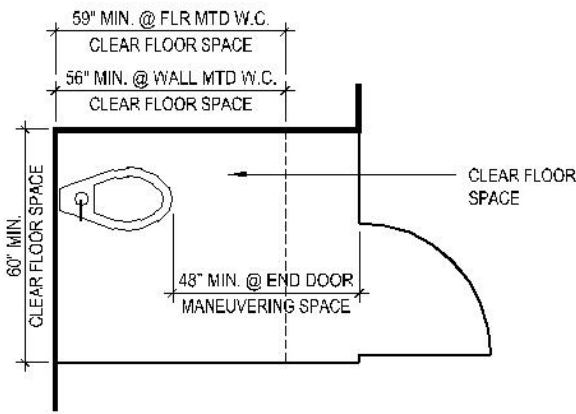
**Fig 15-A. Alternative Dimensions for Children's Use**



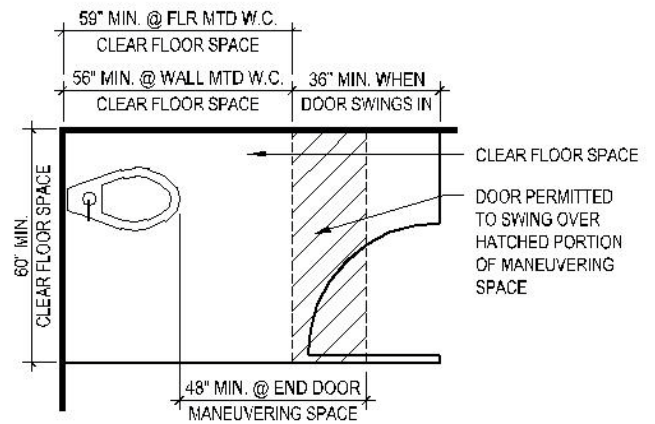
**Fig 15-B. Locker Rooms**



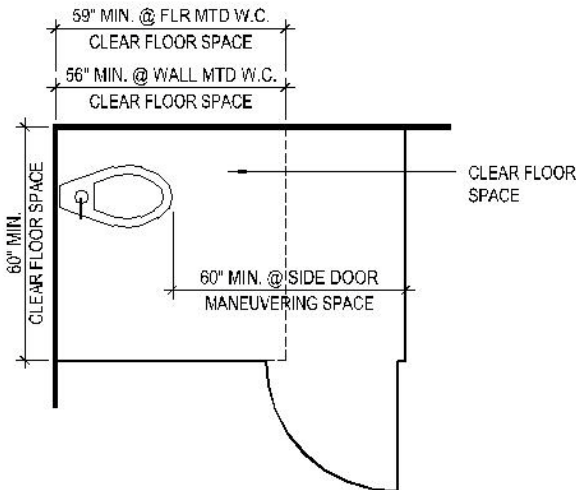
(a) CLEARANCES AT WATER CLOSET



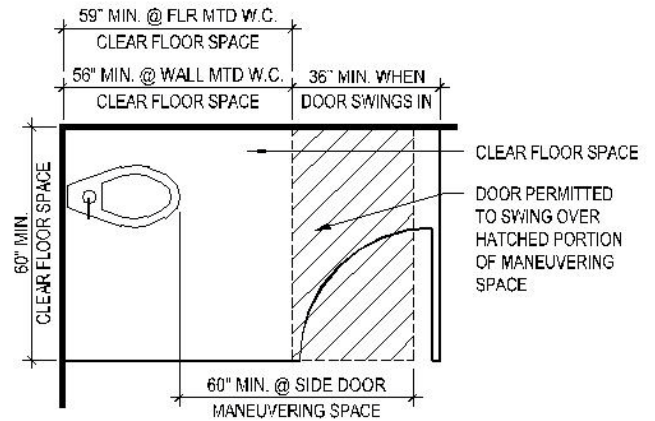
(b) CLEARANCES AT WATER CLOSET IN COMPARTMENT WITH OUT-SWINGING END-OPENING DOOR



(c) CLEARANCES AT WATER CLOSET IN COMPARTMENT WITH IN-SWINGING END-OPENING DOOR



(d) CLEARANCES AT WATER CLOSET IN COMPARTMENT WITH OUT-SWINGING SIDE-OPENING DOOR



(e) CLEARANCES AT WATER CLOSET IN COMPARTMENT WITH IN-SWINGING SIDE-OPENING DOOR

Fig 15-C. Clearances at Water Closets



Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /  
Reference  
or Code Citation

Headings / Comments / Notes  
& Examples

### Check List 16. ALARMS

- 16.1** For general scoping requirements and exceptions see also **DSA-AC Checklist 1**. To be reviewed in coordination with Fire/Life/Safety.

#### ALARMS / EMERGENCY WARNING SYSTEMS

- 16.2** If emergency warning systems are provided, then they shall include both audible alarms and visible alarms complying with Section 907.5.2.1 and 907.5.2.3, NFPA 72 as amended in Chapter 35 of Title 24, and the ADA Stds.

**EXCEPTION:**

Emergency warning systems in medical care facilities may be modified to suit standard health care alarm design practice.

- 16.3** When installation of an emergency warning system is required in a building, provide names or numbers, and function (relevant to the occupancy type and use) for all rooms and areas.

- 16.4** Provide visible alarm notification appliances (strobe lights) in all public and common use areas and indicate location and intensity on plans. Public and common use areas include (but are not limited to) the following areas:

1. Toilet and bathing facilities.
2. Classrooms and locker rooms.
3. Band and music practice rooms.
4. Gymnasiums and multipurpose rooms.
5. Occupational shops.
6. Occupied rooms where ambient noise impairs hearing of the fire alarm.
7. Corridors, hallways, and lobbies.
8. Cafeterias, meeting and conference rooms.
9. Any rooms frequently used by persons with hearing impairments (such as HIP or speech therapy classrooms).
10. Filing, photocopy, and employee break rooms.
11. Dressing, examination, treatment rooms, and similar spaces that are not used solely as employee work areas.
12. Any other areas for common use.

- 16.5** Strobe lights must provide 75 candela min intensity @ 50'

- 16.6** Provide note or indicate on plan installation height of strobe light to be between 80" and 96" AFF or be at least 6" below the ceiling, whichever is lower.

- 16.7** No place in common corridors shall be more than 50' from the strobe light.

CBC 1114B.2.2

CBC 907.5.2.1  
CBC 907.5.2.3  
ADA Stds 4.1.3(14)

CBC 907.5.2.1

CBSC Part 1  
4-317(b)

CBC 907.5.2.3.1  
CBC 1102B  
ADA Stds 4.28.1

ADA Stds 4.28.3(4)

ATBCB Bulletin

ADA Stds 4.28.3(8)

Alarms/emergency warning systems/accessibility  
Audible alarms  
Visible alarms  
Accessible buildings: New construction

Audible alarms

Plans

Public and common use areas  
Definitions  
Alarms – General  
See ATBCB Technical Bulletin at <http://www.access-board.gov/adaag/about/bulletins/alarms.htm>

**DEFINITIONS:**

**COMMON-USE AREAS** are those interior and exterior rooms, spaces, or elements that are made available for the use of a restricted group of people (for example, occupants of a homeless shelter, the occupants of an office building, or the guests of such occupants).

**PUBLIC-USE AREAS** are those interior or exterior rooms or spaces of a building that are made available to the general public and does not include common use areas. Public use areas may be provided at a building that is privately or publicly owned.

**NOTE:**

ADAAG requirements for alarm systems may be more stringent than those in CBC Ch 9 or NFPA

Visual alarms

Technical bulletin: Visual alarms

Visual alarms

**16**

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /  
Reference  
or Code Citation

Headings / Comments / Notes  
& Examples

### Check List 16. ALARMS

<p><b>16.8</b> In transient lodging facilities, when units and sleeping accommodations have visible alarms in place, the signal shall be visible in all areas of the unit or room.</p> <p>Visible alarm shall be connected to building emergency alarm system, or shall have a standard 110-volt electrical receptacle into which such an alarm can be connected and a means by which a signal from the building emergency alarm system can trigger such an auxiliary alarm.</p>	<p>CBC 907.5.2.3.3 CBC 1111B.4.5.1  ADA Stds 4.28.4  ATBCB Bulletin</p>	<p>Groups I-1 and R-1 Places of transient lodging - Visible alarms Auxiliary alarms  Technical bulletin: #2</p>
<p><b>16.9</b> Provide note or indicate on plan installation height of manual fire alarm boxes to be at 42" minimum to 48" maximum AFF to the highest point of the activating handle or lever.</p> <p>EXCEPTION: Enforcement officials shall not retroactively require fire alarm initiating devices be relocated to a 42" minimum to 48" maximum height.</p>	<p>CBC 907.4.2.2</p>	<p>Height</p>
<p><b>16.10</b> All areas to be "strobed" shall have either a direct line of sight or its reflection from adjacent walls and ceiling must be of an intensity that will raise the overall light level sharply, but not so intense as to be unsafe for direct viewing at a specified mounting height.</p>	<p>ATBCB Bulletin</p>	<p>Technical bulletin: #2</p>
<p><b>16.11</b> Provide front and parallel approach at newly installed fire alarm initiating device.</p>	<p>CBC 1117B.6</p>	<p>Controls and operating mechanisms</p>
<p><b>16.12</b> Indicate accessible operating hardware at initiating device (i.e., not requiring tight grasping, pinching, or twisting of the wrist, and 5 lbf max force).</p>	<p>CBC 907.4.2.2 ADA Stds 4.27.4</p>	<p>Height Operation</p>
<p><b>16.13</b> Fire alarm initiating device must be located on an accessible route of travel.</p>	<p>CBC 1117B.6</p>	<p>Controls and operating mechanisms</p>
<p><b>16.14</b> Fire alarm initiating device cannot be located where a person using a wheelchair would be forced to reach over an obstruction greater than 10" deep.</p>	<p>CBC 1118B.6 CBC Fig 11B-5D(b)</p>	<p>Side reach High and low side reach limits</p>
<p><b>FIRE EXTINGUISHERS</b></p>		
<p><b>16.15</b> Provide clear floor space for forward or parallel approach at fire extinguishers and fire extinguisher cabinets.</p>	<p>CBC 1118B.4</p>	<p>Clear floor or ground space for wheelchairs</p>
<p><b>16.16</b> Height of fire extinguisher handle and fire extinguisher cabinet opening hardware to correspond with provided approach – 48" maximum for forward approach or 54" maximum for parallel approach.</p>	<p>CBC 1118B.5 CBC 1118B.6</p>	<p>Forward reach Side reach</p>
<p><b>16.17</b> Indicate accessible opening hardware at fire extinguisher cabinet (e.g., U-pull and 5 lbf max latch force).</p>	<p>CBC 1125B.4</p>	<p>Storage - Hardware</p>

**17**

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /  
Reference  
or Code Citation

Comments / Notes / Examples

### Check List 17. SIGNAGE

<p><b>17.1</b> For additional scoping requirements and exceptions see also applicable <b>DSA-AC Checklist 1</b>.</p>		<p><b>NOTE:</b> See Section 1111B.4.5 and <b>Checklist 22</b> for additional requirements in motels, hotels and other residential occupancies.</p>
<p><b>17.2</b> Provide details and specs for all signs applicable to this project and indicate the provision/installation on site plans, floor plans and elevations.</p>	<p>CBSC Part 1 4-317(b)</p>	<p>Plans</p>
<p><b>17.3</b> Signs that are located on or at doors must be included in the door schedule, or provide a separate signage schedule which references the door mark for each sign.</p>	<p>CBSC Part 1 4-317(b)</p>	<p>Plans</p>
<p><b>17.4</b> Reference signage details for each door and indicate message (e.g., "TO EXIT", "GIRLS", "124", etc).</p>	<p>CBSC Part 1 4-317(b)</p>	<p>Plans</p>
<p><b>17.5</b> Provide and indicate detail(s) for the following sign(s):</p>		
<p>1. "Tow-away" signs at parking lot entrance (or at stall).</p>	<p>CBC 1129B.4</p>	<p>Identification of parking spaces for off-street parking facilities</p>
<p>2. Accessible parking signs, including van signs.</p>	<p>CBC 1129B.4</p>	<p>Identification of parking spaces for off-street parking facilities</p>
<p>3. International Symbol of Accessibility (ISA) at accessible passenger loading zones. See CBC Figure 11B-6.</p>	<p>CBC 1131B.2 #1</p>	<p>Passenger loading zones</p>
<p>4. International Symbol of Accessibility at entrances to buildings and facilities that are accessible. See CBC Figure 11B-6.</p>	<p>CBC 1117B.5.8.1.2</p>	<p>Entrance signs</p>
<p>5. In existing buildings &amp; facilities, directional signage at all inaccessible entrances, directing persons to the nearest accessible entrance.</p>	<p>CBC 1117B.5.8.1.2</p>	<p>Entrance signs</p>
<p>6. Assistive Listening System (ALS) sign indicating availability of ALS, posted in a prominent place. See CBC Figure 11B-14C.</p>	<p>CBC 1104B.2 #4</p>	<p>Assistive-listening systems in assembly areas - Signage</p>
<p>7. Raised letters, contracted (Grade 2) Braille EXIT signs at all exit doors (in addition to the overhead/low-level illuminated exit signs).</p>	<p>CBC 1011.3</p>	<p>Tactile exit signs</p>
<p>8. California restroom symbols (circle/triangle) on door leaf.</p>	<p>CBC 1115B.6</p>	<p>Bathing and toilet facilities - Identification symbols</p>
<p>9. Restroom identification sign on wall including raised letters, contracted (Grade 2) Braille, and if desired, a gender pictogram.</p>	<p>CBC 1117B.5.1 #1</p>	<p>Identification signs</p>
<p>10. International Symbol of Accessibility at accessible seating: aisle transfer seats, companion seats, and wheelchair spaces at bleachers are to each be identified by a sign or marker with the International Symbol of Accessibility. Signage notifying patrons of the availability of such seats shall be posted at the ticket office.</p>	<p>CBC 1104B.3.4 #1, CBC 1117B.5.1 #2&amp;3 &amp; DSA Policy 98-05</p>	<p>Auditoriums, assembly halls, theater and related facilities - Wheelchair spaces Signs &amp; identification - General Accessible seating in folding bleacher units</p>

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification / Reference or Code Citation

Comments / Notes / Examples

**Check List 17. SIGNAGE**

<p><b>11.</b> Area of refuge identification complying with 1117B.5.1 #2. Sign shall be illuminated when exit sign illumination is required. Additionally, tactile signage complying with 1117B.5.1 #1 shall be located at each door to an area of refuge. Include evacuation instructions in each area of refuge.</p>	<p>CBC 1007.9</p>	<p>Areas of refuge - Identification</p>
<p><b>12.</b> Volume control sign at telephones. See CBC Figure 11B-14B.</p>	<p>CBC 1117B.2.8</p>	<p>Telephone equipment for hearing Impaired persons</p>
<p><b>13.</b> TTY identification signage and/or TTY directional signage. See CBC Figure 11B-14A.</p>	<p>CBC 1117B.2.9.2 #3 CBC 1117B.2.9.3</p>	<p>Text telephones – General Signage</p>
<p><b>14.</b> Building directory or lobby signage informing building users that specific sanitary facilities and/or elevators are provided for public use.</p>	<p>CBC 1117B.5.8.1.3</p>	<p>Symbols of accessibility - Information posted</p>
<p><b>15.</b> Warning signs at inaccessible exits indicating the closest accessible exit and signage indicating the direction to areas of refuge.</p>	<p>CBC 1133B.1.1.1.1 - Exception 2 &amp; ADA Stds 4.3.11.5</p>	<p>Entrances and exterior ground floor exit doors Accessible route - Identification</p>
<p><b>16.</b> Enclosed stairway signage.</p>	<p>CBC 1022.8 &amp; CBC 1133B.4.3</p>	<p>Floor identification signs Floor identification signs</p>
<p><b>17.</b> Elevator and elevator lobby signage.</p>	<p>CBC 1116B.1.14</p>	<p>Elevators - Doorjamb marking</p>
<p><b>18.</b> Platform lift restriction signage.</p>	<p>CBC 1116B.2.7</p>	<p>Restriction sign</p>
<p><b>19.</b> Evacuation plans.</p>	<p>CCR Title 19, §3.09</p>	<p>Emergency planning and information</p>
<p><b>20.</b> No Smoking &amp; Cleaner Air signage.</p>	<p>CBC 1117B.5.1 #2 CBC 1117B.5.11</p>	<p>Informational signs Cleaner air symbol</p>
<p><b>17.6</b> Indicate and specify materials, colors, and type styles to be used for all accessible signage (visual and tactile), according to the following criteria:</p>	<p>CBC 1117B.5 &amp; ADA Stds 4.30</p>	<p>Signs and identification Signage</p>
<p><b>1.</b> Except for reflective parking and traffic signs, all identification, informational and directional signs must have non-glare backgrounds and characters.</p>	<p>CBC 1117B.5.2 &amp; ADA Stds 4.30.5</p>	<p>Finish and contrast Finish and contrast</p>
<p><b>2.</b> Characters on signs shall be selected from fonts that have a width-to-height ratio of between 3:5 (60%) and 1:1 (100%) measured by the width of the uppercase letter "O" and height of the uppercase letter "I", and a stroke width-to-height ratio of between 1:5 (20%) and 1:10 (10%) measured by the width and height of the uppercase letter "I".</p>	<p>CBC 1117B.5.3</p>	<p>Proportions</p>
<p><b>3.</b> Characters on signs required to be accessible shall be sized according to the Visual Character Height Table in CBC Section 1117B.5.4. The minimum height is measured using an uppercase letter "I". Lowercase characters are permitted. Viewing distance is measured as the horizontal distance between the character and an obstruction preventing further approach towards the sign.</p>	<p>CBC 1117B.5.4</p>	<p>Character height</p>

**17**

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /  
Reference  
or Code Citation

Comments / Notes / Examples

### Check List 17. SIGNAGE

<p>4. Add specifications for visual characters as follows: Visual characters can be serif or sans serif and upper and lowercase characters may be used for visual characters.</p>	CBC 1117B.5.4	Character height
<p>5. On signs installed on poles or pylons, when the bottom edge of the sign is at less than 80 inches AFF, provide 0.125 inch radius corners and eased edges.</p>	CBC 1133B.8.6.3	Protruding objects - Free-standing signs
<p>17.7 Add specifications for tactile characters as follows: raised characters must use sans serif font, in all uppercase characters. Simple or heavy serif fonts of any kind are not allowed. Raised text characters must be accompanied by contracted (Grade 2) Braille.</p>	CBC 1117B.5.5 #1	Character type
<p>17.8 Characters and Braille shall be in a horizontal format with Braille placed 3/8" min and 1/2" max directly below the tactile characters; flush left or centered. When text is multi-lined, all Braille shall be placed together below all lines of tactile text.</p>	CBC 1117B.5.5 #4	Character placement
<p>17.9 Braille dots within cells must be 1/10" O.C. Cells must be 2/10" apart. Measure cell distance from the center of top dot location of column two of the first cell to the center of top dot location of column one of the next cell on right, within the same word. Dots must be 1/40" high at dot apex. Braille dots shall be domed or rounded.</p>	CBC 1117B.5.6	Braille
<p>17.10 Indicate material and color descriptions and sample tpestyles in plans as follows:</p>	CBSC Part 1 4-317(b)	Plans
<p>1. Include color and material specifications for sign message backgrounds and characters to demonstrate minimum contrast and non-glare characteristics.</p>	CBC 1117B.5.2	Finish and contrast
<p>2. Show 1" high examples of uppercase characters "I," "O," and "X", in chosen tpestyle(s), indicating whether style is for tactile characters, visual characters, or both.</p>		
<p>17.11 Provide character and symbol size for all signs as follows:</p>		
<p>1. On visual signs, size characters and symbols according to viewing distance. Signs mounted with bottom edge at or above 80" AFF must have 3" high min characters.</p>	CBC 1117B.5.4	Character height
<p>2. On tactile signs, raised characters must be 5/8" to 2" high.</p>	CBC 1117B.5.5 #2	Character size
<p>3. Pictorial symbols (pictograms) that identify rooms and spaces, such as gender pictograms for restrooms must be in a 6" min high field directly above accompanying raised text and contracted (Grade 2) Braille. No characters or Braille in field.</p>	CBC 1117B.5.5 #3	Pictorial symbol signs (pictograms)
		<p><u>NOTE:</u> Pictograms and other symbols, such as ISAs, which are included on signs with raised characters and Braille are not required to be raised.</p>
<p>17.12 Where size is dictated by code, specify exact sizes and material thickness. For instance, geometric symbol signs are</p>	CBSC Part 1 4-317(b)	Plans

**17**

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /  
Reference  
or Code Citation

Comments / Notes / Examples

### Check List 17. SIGNAGE

1/4" thick, and have 12" measurements.

**17.13** For exterior way-finding signs, determine all decision points on site, beginning at pedestrian entrances, bus stops, parking lots and drop off points, where accessible route of travel deviates from regular route. Specify and locate on plan directional or informational sign for each decision point so that steps do not have to be retraced. Sign must include ISA and appropriate arrow and/or text. Determine appropriate size by distance from which sign will be viewed and mounting height of sign.

CBSC Part 1  
4-317(b),  
CBC 1127B.3 &  
ADA Stds 4.30.3

Plans  
Exterior routes of travel - Signs  
Character height

ISA must be white on Federal Blue background, with non-glare surface.

CBC 1117B.5.8.1.1

Color of symbol

**17.14** Place the International Symbol of Accessibility (ISA) at each accessible building entrance. In existing buildings or facilities where all entrances are not accessible, place directional or informational sign so that steps do not need to be retraced, to direct from inaccessible to accessible entrances. Include ISA on sign along with appropriate arrow and/or text.

CBC 1117B.5.8.1.2

Entrance signs

NOTE:  
The ISA, when included on a tactile sign, does not require any accompanying text, either visual or tactile.

**EXCEPTIONS:**

1. An ISA is not required at entrances to individual rooms, suites, offices, sales or rental establishments, or other such spaces when all entrances to the building or facility are accessible and persons entering the building or facility have passed through one or more entrances with compliant signage.
2. An ISA is not required at entrances to machinery spaces frequented only by service personnel for maintenance, repair or occasional monitoring of equipment; for example, elevator pits or elevator penthouses; mechanical, electrical or communications equipment rooms; piping or equipment catwalks; electric substations and transformer vaults; and highway and tunnel utility facilities.

**17.15** When interior accessible route of travel diverges from regular route, and when one is not immediately visible from the other, (for instance, elevator is not adjacent to stair or lift to stage platform is behind door) or when all facilities such as restrooms, drinking fountains, telephone equipment and ground floor exits are not accessible, specify and locate on plan informational and/or directional signs, to include appropriate Symbol of Accessibility and text such as "Restroom", "Elevator" or "TTY" along with brief text and arrows to indicate location of accessible elements. Locate signs at decision points so that steps will not have to be retraced.

CBSC Part 1  
4-317(b),  
CBC 1117B.5.8.1.2 &  
CBC 1117B.5.8.1.3

Plans  
Entrance signs  
Information posted

**17.16** Provide sign schedule to show identification of all permanent rooms and spaces, including restrooms and exits, with raised characters accompanied by contracted (Grade 2) Braille, in compliance with standards for tactile character and Braille signs. Requirement applies to all such rooms and spaces whether entered from interior hallways, or by individual exterior

CBC 1117B.5.1 #1

Identification signs

**17**

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification / Reference or Code Citation

Comments / Notes / Examples

**Check List 17. SIGNAGE**

entrances. Indicate on schedule any accompanying visual text and symbols or pictograms.

**17.17** Specify appropriate tactile exit sign for each exit door. Use terminology established by California State Fire Marshal for tactile exit signs. For ground floor doors that exit to exterior, use "EXIT." For door leading directly into an exit stairway or ramp, use "EXIT STAIR (or RAMP) DOWN (or UP)" as appropriate. Each exit door that leads directly to a grade-level exterior exit by means of an exit enclosure or an exit passageway and each exit access door from an interior room or area that is required to have a visual exit sign shall be identified by a tactile exit sign with the words, "EXIT ROUTE." For horizontal exit (very rare) use "TO EXIT."

CBC 1011.3

Tactile exit signs

Show location of tactile exit signs and floor designation signs in stairways on plan - adjacent to appropriate door.

CBSC Part 1 4-317(b)

Plans

**17.18** In buildings with more than one floor and with enclosed stairwells, include in sign schedule required tactile floor designation, accompanied by contracted (Grade 2) Braille.

CBC 1022.8 & CBC 1133B.4.3

Floor identification signs  
Floor identification signs

Show location of tactile exit signs and floor designation signs in stairways on plan - adjacent to appropriate door.

CBSC Part 1 4-317(b)

Plans

**17.19** Provide drawings for identification signs as follows:

1. Show layout of typical sign indicating position of raised text in relationship to Braille and any other raised elements on sign, such as borders or frames. Indicate location of pictograms and symbols on tactile identification signs and geometric door signs as appropriate by providing scale drawings of each sign type.

CBSC Part 1 4-317(b) & CBC 1117B.5

Plans  
Signs and identification

2. Geometric symbol door signs for restrooms must contrast with door (dark on light or light on dark). For unisex door signs, triangle must contrast with circle, which must contrast with door. Entire background color of geometric symbol sign must contrast with door. It is not allowed to have a thin contrasting border around symbol, with remainder of sign background in a non-contrasting color. ISA, contrasting with background, may be on sign.

CBC 1115B.6 & CBC 1117B.5.8.1

Identification symbols  
International symbol of accessibility

3. If a gender pictogram is desired on geometric symbol sign, it must be repeated above raised characters and Braille on tactile sign adjacent to door. ISA may be included on either tactile sign, next to gender pictogram, or may be only on geometric symbol sign, as desired. No raised text or Braille is to be included on geometric door sign.

CBC 1115B.6, CBC 1117B.5.1 #1 & CBC 1117B.5.5 #3

Identification symbols  
Identification signs  
Pictorial symbol signs

4. For stair level sign at ground level, tactile 5-pointed star shall be placed to the left of floor number. All star points shall be of equal length, and star shall be same height as floor number (Braille translation for star is "Main").

CBC 1133B.4.3

Tactile floor designation signs in stairways

**NOTE:**  
Do not confuse with 12" Fire Code sign required in all enclosed stairwells in buildings of four or more floors by Title 19. The 12" sign does not require raised characters or Braille, and shall not be located immediately adjacent to the door leading from stairwell into corridor.

**17**

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /  
Reference  
or Code Citation

Comments / Notes / Examples

### Check List 17. SIGNAGE

**17.20** Provide additional required signs on schedule as appropriate:

1. Locate accessible phone equipment on plan and specify appropriate Symbols of Accessibility, the TTY Symbol for text telephones, and the Volume Control Symbol for volume control phones. If there are banks of phones with no accessible equipment, indicate placement of sign that directs from those phones to accessible phones.
2. Determine if an assistive-listening system is required and specify appropriate informational sign with symbol. Locate signs at box office, lobby, entrance, or at administration building, as appropriate. More than one sign may be provided.
3. When buildings provide specific accessible elements such as restrooms and elevators for public use, post sign at entrance or in lobby informing of available features. Provide directional signage at inaccessible sanitary facilities indicating location of accessible sanitary facilities.
4. In buildings with more than one floor that has interior corridors, elevators and/or enclosed stairwells, evacuation plans are required. Locate these plans inside each main building entry, each elevator lobby, and in close vicinity of each door leading to enclosed stairwell.
  - Evacuation plans are directional and informational and must conform to standards for visual signs. They must be non-glare, high contrast, and use readable text and symbols of appropriate size.
  - Hotels and lodging houses must include evacuation plans in each room, and must provide evacuation information usable by persons with vision impairments.

CBSC Part 1  
4-317(b),  
CBC 1117B.2.8 &  
CBC 1117B.2.9.3

Plans

Telephone equipment for hearing impaired persons  
Text telephones - Signage

CBC 1104B.2 #4

Assistive-listening systems in assembly areas - Signage

CBC 1117B.5.8.1.3

Symbols of accessibility - Information posted

CCR Title 19, §3.09

Emergency planning and information

CBC 1117B.5.1 #2

Directional and informational signs

CFC 408.8.1

Evacuation diagrams

**17.21** Specify installation of signs and show location of signs on plan.

1. Informational and directional signs can be installed on walls, doors, posts, or in the interiors of buildings, projecting from walls or hanging from the ceiling in corridors, as long as the location will allow them to be easily found and read by persons with various disabilities.
  - Specify location of TTY Symbol or Volume Control Symbol high enough so that another person can see the sign even when the telephone is in use.
  - Specify location of International Symbol of Hearing Loss to indicate the availability of an assistive-listening system outside the entrance to the room where it can be used. In addition, place signage in

CBSC Part 1  
4-317(b)

Plans

CBC 1104B.2 #4

Assistive listening systems in assembly areas - Signage



**17**

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /  
Reference  
or Code Citation

Comments / Notes / Examples

**Check List 17. SIGNAGE**

lobbies, at ticket windows, or at entrances to offices that must be reserved for use by persons with hearing impairments.

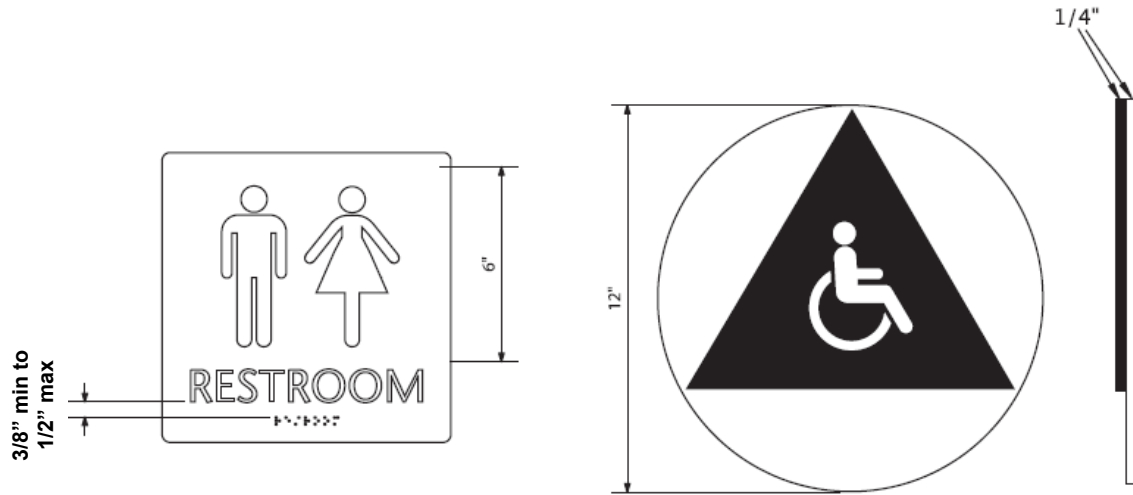
2. Specify location of tactile signs as follows: Tactile signs must be installed adjacent to the specific door they identify, at 60" AFF to the centerline of the sign. Where permanent identification signs are provided for rooms and spaces, they shall be located on the approach side of the door as one enters the room or space. Signs that identify exits shall be located on the approach side of the door as one exits the room or space. Signs must not be installed behind obstructions, and the reader must be able to approach the sign within 3" without being hit by the swing of a door.
3. Specify locations of evacuation plans so that the lower edge of the information sign is no more than 48" AFF.

CBC 1117B.5.1 #1 &  
CBC 1117B.5.7

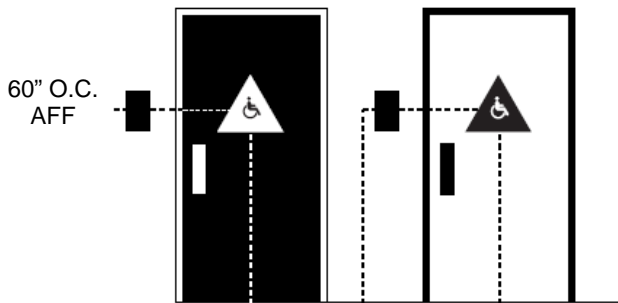
Identification signs  
Mounting location and height

CCR Title 19, §3.09

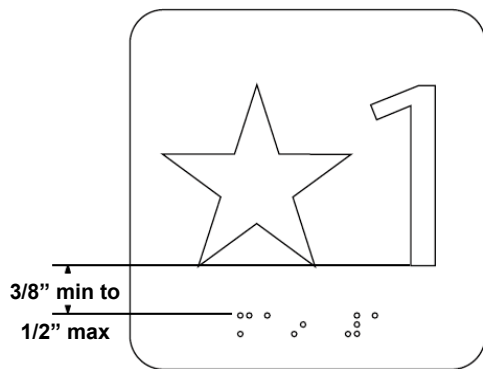
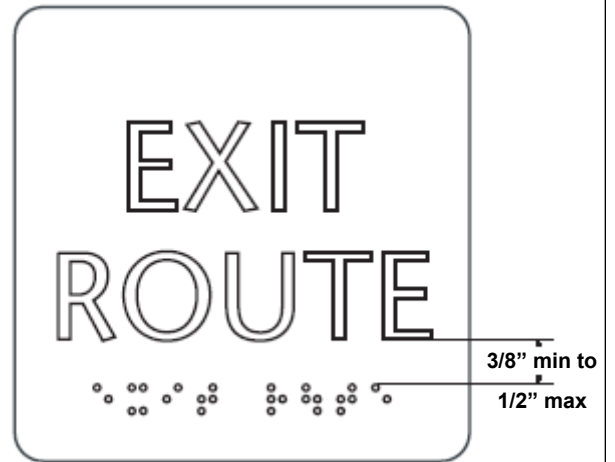
Emergency planning and  
information



**Fig 17-A. Tactile Restroom Signage and Contrasting Restroom Symbols for Unisex Restroom**



**Fig 17-B. Contrasting Restroom Symbols Centered on Door Leaf at 60" O.C. AFF**



**Fig 17-C. Tactile Stair Identification Sign with Exit Discharge Level Star**



**Fig 17-D. Tactile Exit Route and Exit Signs**

**18**

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification / Reference or Code Citation

Headings / Comments / Notes & Examples

**Check List 18. ASSEMBLY USE AREAS**

**18.1** For additional scoping requirements and exceptions see also applicable **DSA-AC Checklist 1**.

**18.2** For the purpose of Access Compliance review only: Regardless of occupancy load or classification, the requirements of CBC 1104B are not limited to Group A classified facilities or portions of facilities but do also apply to any facility or portion of facility which is used, either full-time or part-time, or can be characterized as an assembly area.

CBC 1105B.2  
ADA Stds 3.5

Group B Occupancies  
Definitions

DEFINITION:  
ASSEMBLY AREA: A room or space accommodating a group of individuals for recreational, educational, political, social, civic, or amusement purposes, or for the consumption of food and drink.

**ASSISTIVE LISTENING SYSTEMS (ALS)**

CBC 1104B.2

**18.3** Provide and indicate an ALS in all assembly areas, conference rooms, and meeting areas that are affected by project scope, whether device is in this contract or provided by the owner.

CBC 1104B.2

Assistive-listening systems in assembly areas

NOTE:  
If ALS is N.I.C. or to be provided by owner, state so on the plan and provide specs for equipment.

**18.4** Provide and indicate a permanently installed assistive-listening system in space/room if:

CBC 1104B.2 #6  
ADA Stds 4.1.3(19)(b)

Permanent and portable systems  
Assembly areas

1. The space/room accommodates at least 50 persons, or has an audio-amplification system, and
2. The space/room has fixed seating.

NOTE:  
Portable ALS may serve more than one space/room.

**18.5** If the ALS provided is limited to specific areas or seats, then such areas or seats shall be within a 50' viewing distance of the stage or playing area and shall have a complete view of the stage or playing area.

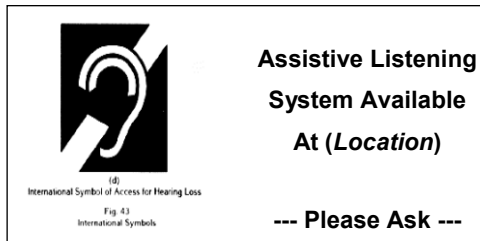
CBC 1104B.2 #3

Locations

**18.6** Indicate location of ALS sign(s) on plan for each space/room required to be equipped with an ALS and indicate text. This requirement applies even if the system is N.I.C.

CBC 1104B.2 #4  
CBSC Part 1  
4-317(b)

Signage  
Plans



**18.7** Reference detail of ALS signage.

CBSC Part 1  
4-317(b)

Plans

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification / Reference or Code Citation

Headings / Comments / Notes & Examples

**Check List 18. ASSEMBLY USE AREAS**

**18.8** Provide ratio table for each space/room, indicating total number of seats and number of personal receivers required (4% min but never less than 2 receivers).

CBSC Part 1  
4-317(b)  
CBC 1104B.2 #1

Plans  
Number of personal receivers required

**18.9** Specify type of ALS even if the system is N.I.C. (See <http://www.access-board.gov/adaag/about/bulletins/als-index.htm> for an explanation of the different types available.)

CBC 1104B.2 #2

Types of listening systems

**AUDITORIUMS, ASSEMBLY HALLS, THEATERS AND RELATED FACILITIES**

CBC 1104B.3

**18.10** Provide a seating layout plan showing individual seats or dimensioned benches/bleachers.

CBSC Part 1  
4-317(b)

Plans

**18.11** Where fixed or semi-permanent seating is provided identify on seating layout plan the location of:

CBC 1104B.3.5

Placement of wheelchair locations

1. Wheelchair spaces (show 33" x 48" or 33" x 60")

CBC 1104B.3.4

Wheelchair spaces

2. Companion seats (e.g., mark seat with a "C")

CBC 1104B.3.5

Placement of wheelchair locations

3. Semi-ambulant seats (e.g., mark seat with an "S")

CBC 1104B.3.8

Seating for semi-ambulant individuals

4. Transfer or aisle seats (e.g., mark seat with a "T")

CBC 1104B.3.4

Wheelchair spaces

**18.12** Indicate the total number of seats and number of wheelchair spaces, companion seats, semi-ambulant seats and transfer seats.

CBC 1104B.3.4  
CBC 1104B.3.5  
CBC 1104B.3.8

Wheelchair spaces  
Placement of wheelchair locations  
Seating for semi-ambulant individuals

Seating Capacity	W	C	S	T	ALS Receiver
4 to 26	1	1	2	1	2
27 to 50	2	2	2	1	2
51 to 100	4	4	2	1	4%
101 to 200	4	4	2	1%	4%
201 to 300	4	4	1%	1%	4%
301 to 500	6	6	1%	1%	4%
501+	6+1 per add'l 100 seats over 500	6+1 per add'l 100 seats over 500	1%	1%	4%

**NOTE:**  
Companion seats cannot be included in the count for semi-ambulant seats.

**18.13** Indicate slope at wheelchair space to be 2% max in any direction.

CBC 1104B.3.4 #3

Wheelchair spaces

**18.14** Indicate size of wheelchair space to be:

CBC 1104B.3.6 &  
CBC Fig. 11B-15

Size of wheelchair location  
Location

1. 33" x 48" for front or rear access.

2. 33" x 60" for side access.

**18**

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /  
Reference  
or Code Citation

Headings / Comments / Notes  
& Examples

### Check List 18. ASSEMBLY USE AREAS

**18.15** Provide detail (1/4" scale) of area showing all relevant dimensions, including wheelchair maneuvering space, all adjacent slopes and level changes, required egress, and accessible routes of travel.

CBSC Part 1  
4-317(b)

Plans

**18.16** Provide additional space in front or behind designated wheelchair space to ensure safe and convenient access and egress for persons using wheelchairs and the general public.

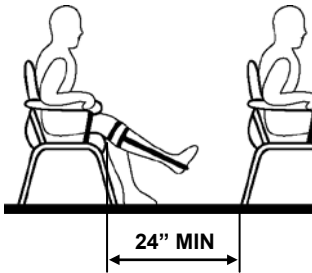
CBC 1104B.3.6  
CBC 1104B.3.9

Size of wheelchair location  
Life safety

**18.17** Semi-ambulant seating must provide 24" clear leg room from the front edge of the seat to the nearest obstruction.

CBC 1104B.3.8

Seating for semi-ambulant  
individuals



**18.18** In existing facilities where site constraints exist, provide a reasonable portion of transfer seats on or adjacent to a wheelchair accessible path of travel.

CBC 1104B.3.4 #1

Wheelchair spaces

**18.19** Indicate 1% (but not less than one) of all fixed seats to be aisle seats with no armrests on the aisle side, or removable or folding armrest on the aisle side.

CBC 1104B.3.4 #1

Wheelchair spaces

1. Indicate an identifying sign or marker with the International Symbol of Accessibility to be installed at each seat.
2. Indicate signage to be provided at ticket office notifying patrons that such seating is available.

**NOTE:**  
Transfer seats are intended to facilitate seating of wheelchair users who wish to transfer to existing seating during an event when fixed seating is provided. Many persons who use wheelchairs are able to transfer to fixed seating with this relatively minor modification.

**18.20** Where total seating capacity exceeds 300, provide accessible wheelchair seating in more than one location.

CBC 1104B.3.5

Placement of wheelchair locations

**18.21** Arrange seating layout to provide integral seating for persons using wheelchairs and their companions (shoulder to shoulder).

CBC 1104B.3.5

Placement of wheelchair locations

**18.22** Arrange seating layout to provide choice of admission prices and lines-of-sight for people using wheelchairs and their companions.

CBC 1104B.3.3  
ADA Stds. 4.33.3

Variety of locations  
Placement of wheelchair locations

**18.23** Provide elevation or section to indicate how lines-of-sight requirement is met.

CBSC Part 1  
4-317(b) &  
CBC 1104B.3.5

Plans  
Placement of wheelchair locations

CBSC Part 1  
4-317(b)

Plans

**18**

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /  
Reference  
or Code Citation

Headings / Comments / Notes  
& Examples

### Check List 18. ASSEMBLY USE AREAS

<p><b>18.24</b> If removable seats are planned, indicate on plan assigned storage space for removable seats.</p>		<p><b>NOTE:</b> Public entities must keep wheelchair spaces free from removable seats in all but the most unusual cases (e.g., if an event is sold out and there were no requests for wheelchair spaces, removable seats can be installed and sold to non-disabled patrons).</p>
<p><b>18.25</b> Provide and indicate accessible routes of travel from wheelchair seating locations to performing areas, including stages, arena floors, dressing rooms, locker rooms and other spaces used by performers, and public restrooms.</p>	<p>CBSC Part 1 4-317(b), CBC 1104B.3.10 &amp; CBC 1104B.3.13</p>	<p>Plans  Access to performing areas Miscellaneous areas</p>
<p><b>18.26</b> Stages, enclosed and unenclosed platforms, orchestra pits and preparation areas must be made accessible.</p> <p>EXCEPTION:</p> <p>a. When DSA finds that requiring compliance for an enclosed or unenclosed platform or depressed area not more than 24" above or below an adjacent accessible level, would create an unreasonable hardship, the enclosed and unenclosed platform or depressed area must be made accessible by a portable ramp with a slope not exceeding 8.3%.</p> <p>b. In existing buildings, when DSA determines that compliance would create an unreasonable hardship, an exception may be granted when equivalent facilitation is provided.</p>	<p>CBC 1104B.3.11</p>	<p>Stages, enclosed and unenclosed platforms, and orchestra pits</p>
<p><b>18.27</b> Employee and customer sides of all ticket booths and of refreshment and concession stands must be made accessible.</p>	<p>CBC 1104B.3.12</p>	<p>Ticket booths</p>
<p><b>18.28</b> Provide enlarged detail and elevations for ticket booth, and refreshment and concession stands.</p>	<p>CBSC Part 1 4-317(b)</p>	<p>Plans</p>
<p><b>18.29</b> Provide signage at ticket office that notifies customers of the availability of the different types of accessible seating and assistive listening devices.</p>	<p>ADA Stds 4.1.3(19)(a), CBC 1104B.3.4 #1&amp; CBC 1104B.2 #4</p>	<p>Assembly areas Wheelchair spaces Signage</p>
<p><b>18.30</b> In outdoor assembly use areas (e.g. amphitheater type seating on turf) provide and indicate required ratio of wheelchair and companion seat spaces, located on an accessible path.</p>	<p>CBC 1104B.3.4 &amp; CBC 1104B.3.5</p>	<p>Wheelchair spaces Placement of wheelchair locations</p>
<p><b>18.31</b> In amphitheatres, provide warning curb or rails where abrupt changes in level between the accessible route of travel and adjacent seating areas exceed 4" in height.</p>	<p>CBC 1133B.8.1</p>	<p>Warning curbs</p>
<p><b>18.32</b> Provide guards, walls, or fences (42" min high) at all elevated seating areas that are more than 30" above the ground.</p> <p>Guards at the front of the front row of seats that are not located at the end of an aisle and where there is no cross aisle may</p>	<p>CBC 1013 CBC 1025.14  CBC 1024.14.2</p>	<p>Guards Assembly guards  Sightline-constrained guard heights</p>

**18**

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /  
Reference  
or Code Citation

Headings / Comments / Notes  
& Examples

### Check List 18. ASSEMBLY USE AREAS

have a minimum height of 26" where the fascia or railing would interfere with sightlines.

#### STADIUMS, GRANDSTANDS, BLEACHERS, ATHLETIC PAVILIONS, GYMNASIUMS AND MISCELLANEOUS SPORT-RELATED FACILITIES

**18.33** Accessible seating for stadiums, grandstands, bleachers, athletic pavilions, gymnasiums and miscellaneous sport related facilities must comply with 1104B.3 and items **18.9 through 18.31** of this Checklist.

**EXCEPTION:**

At folding bleachers where wheelchair spaces are provided by a cut back in the first rows, and when DSA finds that integrated companion fixed seats cannot be obtained, the following design will be accepted:

- Provide a 24"x48" clear space for companion seating next to each 33"x48" wheelchair space, with identifying signage on the companion seat.
- Provide an ISA on the floor or on the front face of the lowest bleacher row in front of space to identify the wheelchair space.
- The number of wheelchair accessible seats must be dispersed equally for each side (home and visitors) and cannot be clustered into one location for each side.

**18.34** Employee and customer sides of all ticket booths and of refreshment and concession stands must be made accessible.

**18.35** Provide enlarged detail and elevations for ticket booth, and refreshment and concession stands.

**18.36** Provide signage at ticket office that notifies customers of the availability of the different types of accessible seating and assistive listening devices.

**18.37** Provide and indicate an accessible route of travel to all participation and activity areas, including the following:

1. Tennis, racquetball and handball courts.
2. Gymnasium floor areas and general exercise rooms.
3. Basketball, volleyball and badminton courts, and bowling lanes.
4. Swimming pool deck areas and swimming pools.
5. Athletic team rooms and facilities, playing fields and running tracks.
6. Club rooms (home and guest).
7. Sanitary and locker facilities (home and guest).

CBC 1104B.4

CBC 1104B.4.1

DSA Policy 98-05

CBC 1104B.3.12 &  
28 CFR §35.149

CBSC Part 1  
4-317(b)

CBC 1104B.3.4 #1 &  
CBC 1104B.2 #4

CBC 1104B.4.3

CBC 1104B.4.3 #1

CBC 1104B.4.3 #2

CBC 1104B.4.3 #3

CBC 1104B.4.3 #4

CBC 1104B.4.3 #5

CBC 1104B.4.4

CBC 1104B.4.5

Spectator seating

Accessible seating in folding  
bleacher units

Ticket booths  
Program accessibility:  
Discrimination prohibited

Plans

Wheelchair spaces  
Signage

Participation areas

Participation areas

Participation areas

Participation areas

Participation areas

Participation areas

Clubroom

Sanitary and locker facilities

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification / Reference or Code Citation

Headings / Comments / Notes & Examples

**Check List 18. ASSEMBLY USE AREAS**

<p><b>8.</b> Baseball/softball player dugout.</p>	<p>CBC 1104B.4.3</p>	<p>Participation areas</p>
<p><b>18.38</b> Provide pool lift with rigid seat and arm rests or ramp to assist persons with disabilities to access and egress the swimming pool independently.</p>	<p>CBC 1104B.4.3 #4</p>	<p>Participation areas</p>
<p><b>18.39</b> Where spectator and/or participant sanitary and/or locker facilities are provided, they shall conform with the requirements in 1115B.</p>	<p>CBC 1104B.4.5</p>	<p>Sanitary and locker facilities</p>
<p><b>18.40</b> Provide vertical access to press boxes, announcer booths and similar facilities.</p>	<p>CBC 1114B.1.2 ADA Stds 4.1.3(1)</p>	<p>Accessible route of travel Accessible buildings</p>
<p><b>18.41</b> Provide guards, walls, or fences (42" min high) at all elevated seating areas that are more than 30" above the ground.</p>	<p>CBC 1013 CBC 1025.14</p>	<p>Guards Assembly guards</p>
<p>Guards at the front of the front row of seats that are not located at the end of an aisle and where there is no cross aisle may have a minimum height of 26" where the fascia or railing would interfere with sightlines.</p>	<p>CBC 1024.14.2</p>	<p>Sightline-constrained guard heights</p>
<p><b>DINING, BANQUET AND BAR FACILITIES</b></p>	<p>CBC 1104B.5</p>	
<p><b>18.42</b> All areas where each type of functional activity occurs must be made accessible.</p>	<p>CBC 1104B.5 #1 ADA Stds 5.1</p>	<p>General General</p>
<p>EXCEPTIONS:</p>		
<p>a. In alteration projects, where DSA determines that compliance would create an unreasonable hardship, an exception may be granted when equivalent facilitation is provided.</p>		
<p>b. In alteration projects, when legal or physical constraints would not allow compliance with these regulations or equivalent facilitation without creating an unreasonable hardship.</p>		<p><u>NOTE:</u> Jurisdictional findings and determinations for exception (b) are subject to an internal DSA appeals process.</p>
<p><b>18.43</b> All floors, levels, and mezzanines of dining areas must be made accessible.</p>	<p>CBC 1104B.5 #3 CBC 1120B.1 CBC 1120B.2</p>	<p>Raised or sunken areas Floors within each story Floor surface</p>
<p>EXCEPTION:</p>		
<p>In alteration projects, where DSA determines that compliance would create an unreasonable hardship, an exception is granted provided that:</p>		
<ul style="list-style-type: none"> <li>▪ A minimum of 75% of the dining, banquet and bar area is on a common level or connected by ramps, passenger elevators or platform lifts, <u>and</u></li> <li>▪ The same services and decor are provided in an accessible space usable by the general public and are not restricted to use by persons with disabilities.</li> </ul>		
<p><b>18.44</b> Provide and indicate one 30" x 48" clear wheelchair seating space for each 20 seats per functional area.</p>	<p>CBC 1104B.5 #4</p>	<p>Seating</p>
	<p>CBSC Part 1 4-317(b) &amp;</p>	<p>Plans</p>



Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification / Reference or Code Citation

Headings / Comments / Notes & Examples

**Check List 18. ASSEMBLY USE AREAS**

**18.45** Provide enlarged detail and elevations of accessible section of fixed tables and counters. Indicate

1. Surface top to be 28" min and 34" max AFF.
2. Knee clearance at bars, counters, and tables must be at least 27" high x 30" wide x 19" deep.
3. The accessible portion of the counter must be 60" min in length when food or drink is served at counters exceeding 34" in height for consumption by customers sitting on stools or standing.

CBC 1122B  
 CBC 1122B  
 CBC 1104B.5 #4

Fixed or built-In seating, tables and counters  
 Fixed or built-In seating, tables and counters  
 Seating

**18.46** Provide and indicate adequate maneuvering and passing space behind each wheelchair seating space.

CBSC Part 1  
 4-317(b)  
 CBC Fig 11B-13

Plans  
 Minimum clearances for seating and table

**18.47** Wheelchair space must be integrated with general seating.

CBC 1104B.5 #4

Seating

**18.48** Provide 36" clear width accessible route of travel to wheelchair seating space.

CBC 1104B.5 #4

Seating

**18.49** Provide and indicate 36" min wide (42" preferred) food service aisles.

CBC 1104B.5 #5

Food service aisles

**18.50** At food service aisles, provide and indicate all tray slides to be 34" max AFF.

CBC 1104B.5 #5  
 CBC Fig. 11B-16

Food service aisles  
 Food service lines

**18.51** Provide and indicate at least 50% of each type self-service shelves to be within reach ranges.

CBC 1104B.5 #5  
 CBC Fig. 11B-5C  
 CBC Fig. 11B-5D

Food service aisles  
 Forward reach  
 Side reach

**18.52** Indicate reach range dimensions for self-service tableware, dishware, condiments, food and beverage display shelves, and dispensing devices.

CBC 1104B.5 #6  
 CBC Fig. 11B-17

Tableware areas  
 Tableware areas

**18.53** Provide and indicate accessible doors to all food preparation areas.

CBC 1104B.5 #8

Food preparation areas

**18.54** All toilets, locker and powder rooms, including those serving employees, must be made accessible.

CBC 1104B.5 #7

Restrooms

**RELIGIOUS FACILITIES**

**18.55** Provide and indicate access to sanctuaries, assembly areas, platforms, choir rooms, performing areas, and sanitary facilities.

CBC 1104B.6  
 CBC 1104B.6.1 &  
 CBC 1104B.6.2

General  
 Sanctuary

**EXCEPTION:**

In alteration projects, where DSA determines that compliance would create an unreasonable hardship, an exception may be granted when equivalent facilitation is provided.

CBC 1104B.6.2.2

Sanctuary – wheelchair access

**18**

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /  
Reference  
or Code Citation

Headings / Comments / Notes  
& Examples

**Check List 18. ASSEMBLY USE AREAS**

**18.56** Provide and indicate access to raised platforms, choir rooms, choir lofts, performing areas, and other similar areas.

**EXCEPTION:**

In alteration projects, where DSA determines that compliance would create an unreasonable hardship, an exception may be granted.

**18.57** Provide and indicate accessible doors to all classrooms and offices.

CBC 1104B.6.4

Classrooms and offices

**19**

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /  
Reference  
or Code Citation

Headings / Comments / Notes  
& Examples

### Check List 19. BUSINESS AND MERCANTILE USE AREAS

**19.1** For additional scoping requirements and exceptions see also applicable **DSA-AC Checklist 1**.

**19.2** For the purpose of Access Compliance review only: Regardless of occupancy load or classification, the requirements of CBC 1105B and 1110B are not limited to Group B and M facilities or portions of facilities but do also apply to any facility or portion of facility which is used, either full-time or part-time, or can be characterized as a business or mercantile area.

#### OFFICE BUILDINGS, PERSONAL AND PUBLIC SERVICE FACILITIES

**19.3** The following areas in business and professional office facilities must be accessible:

1. Client, visitor, office areas and related toilet facilities.
2. Conference rooms, counseling rooms or cubicles and similar areas.
3. Employee work areas must have 36" clear width access.
4. Professional medical and dental offices (see also **Checklist 21** for additional requirements.)

CBC 1105B.3.2

Business & professional offices

CBC 1105B.3.2 #1

Business & professional offices

CBC 1105B.3.2 #2

Business & professional offices

CBC 1105B.3.2 #3

Business & professional offices

CBC 1105B.3.2 #4

Business & professional offices

**19.4** The following areas in personal and public service facilities areas must be accessible:

1. Client, visitor, office areas, and related toilet facilities.
2. Employee work areas must have 36" clear width access.
3. Automated teller machines used by a financial institution and its customers for the primary purposes of executing financial transactions.

CBC 1105B.3.3

Personal and public service facilities

CBC 1105B.3.3 #1

Personal and public service facilities

CBC 1105B.3.3 #2

Personal and public service facilities

CBC 1105B.3.3 #3

Personal and public service facilities

**19.5** The following areas in public utility facilities must be accessible:

1. Office areas, meeting rooms and similar areas, and related toilet rooms.
2. Public tour areas, to the extent that such public tours are conducted through or about a facility, or where the public is permitted to walk in such areas.

CBC 1105B.3.4

Public utility facilities

CBC 1105B.3.4 #1

Public utility facilities

CBC 1105B.3.4 #2

Public utility facilities - public tour areas

#### EXCEPTIONS:

- a. Facilities located in operational areas which would not have any reasonable availability to or usage by persons who use wheelchairs for mobility are not subject to the wheelchair accessibility requirements.
- b. When DSA determines that compliance would create an unreasonable hardship, an exception may be

**19**

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /  
Reference  
or Code Citation

Headings / Comments / Notes  
& Examples

### Check List 19. BUSINESS AND MERCANTILE USE AREAS

granted when equivalent facilitation is provided.

3. Visitors overlook facilities, orientation areas and similar public use areas, and any sanitary facilities that serve these facilities.

CBC 1105B.3.4 #3

Public utility facilities

4. Where public parking is provided, parking spaces shall be provided for persons with disabilities.

CBC 1105B.3.4 #4

Public utility facilities

19.6 The following areas in police department, law enforcement, fire department facilities and courtrooms must be accessible:

CBC 1105B.3.5

Police department, law enforcement, fire department facilities and courtrooms

1. Office areas, conference rooms, classrooms, dormitories, dispatch rooms and similar areas, along with related sanitary facilities.

CBC 1105B.3.5 #1

2. Detention area visitor rooms.

CBC 1105B.3.5 #2

3. At least one detention cell facility (with supporting sanitary facilities).

CBC 1105B.3.5 #3

4. Courtroom areas, including the judge's chambers and bench, counsel tables, jury box, witness stand and public seating area.

CBC 1105B.3.5 #4

#### SALES ESTABLISHMENTS

19.7 General sales, display, and office areas, along with related sanitary facilities must be accessible.

CBC 1110B.1.1

General areas

19.8 Provide wheelchair access to sales employee work stations and customer sides of sales or checkout stations.

CBC 1110B.1.2

Work areas

19.9 When not all check stands are accessible, accessible check stands shall be identified by a sign clearly visible to a person in a wheelchair displaying the ISA. The sign shall be a minimum 4" x 4". When check stands are open for customer use, a minimum of one accessible check stand shall always be available. As check stands are opened and closed based on fluctuating customer levels, the number of accessible check stands available shall comply with Table 11B-2.

CBC 1110B.1.3

Check stands

19.10 Provide and indicate the top of required accessible sales and service counters, teller windows, and information counters to be 28" min and 34" max AFF for a length of 36" min on the customer side.

CBC 1122B.5

Sales and service counters, teller windows and information counters

#### EXCEPTIONS:

- a. Where seated service is provided, for example in banks, insurance offices, travel agencies, etc, counters and fixed tables must provide knee and toe clearances.
- b. At check stands (see CBC 1110B.1.3 for requirements).

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /  
Reference  
or Code Citation

Headings / Comments / Notes  
& Examples

### Check List 19. BUSINESS AND MERCANTILE USE AREAS

<p><b>19.11</b> Theft-prevention barriers and any device used to prevent the removal of shopping carts from store premises cannot limit access or egress to people in wheelchairs. Provide accessible entry that is equally convenient to that provided for the general public.</p>	<p>CBC 1110B.1.6</p>	<p>Theft-prevention barriers</p>
<p><b>19.12</b> Provide and indicate 5% but never less than one accessible fitting or dressing room for each type of use in each cluster of dressing rooms.</p>	<p>CBC 1117B.8</p>	<p>Fitting and dressing rooms</p>
<p><b>19.13</b> Identify type of use of each dressing room on floor plan (e.g., customer, staff, male, female, family, etc).</p>	<p>CBSC Part 1 4-317(b)</p>	<p>Plans</p>
<p><b>19.14</b> Provide enlarged plan and elevations for accessible dressing rooms and indicate the following:</p> <ol style="list-style-type: none"> <li>1. Accessible door or curtain.</li> <li>2. Full-length mirror, 18" min wide x 54" min high, bottom at 20" max AFF, and positioned to afford a view to a person on the bench as well as to a person standing.</li> <li>3. Clothing hook at 48" max AFF.</li> <li>4. Bench or section of bench measuring 24" deep, 48" wide, and 17" to 19" high, and fixed to a wall along the longer dimension.</li> <li>5. 60" x 60" clear space in front of the accessible bench section, located in such a manner to allow a person using a wheelchair to make a parallel transfer onto the bench. (Door cannot swing into this clear space.)</li> <li>6. Provide ISA on outside of door to accessible dressing room.</li> </ol>	<p>CBSC Part 1 4-317(b) &amp; CBC 1117B.8</p>	<p>Plans Fitting and dressing rooms</p>
<p><b>19.15</b> Provide and indicate the following minimum circulation aisle and pedestrian way widths at all areas with fixed displays:</p> <ol style="list-style-type: none"> <li>1. 36" min if displays and similar fixtures or equipment are placed on only one side of the aisle.</li> <li>2. 44" min if displays and similar fixtures or equipment are placed on both sides of the aisle.</li> </ol>	<p>CBC 1017.2, CBC 1105B.3.6 #1, CBC 1110B.2.1 &amp; CBC 1133B.6.2</p>	<p>Aisles in Groups B and M Miscellaneous general standards Circulation Width</p>
<p><b>19.16</b> Provide and indicate the following minimum circulation aisle and pedestrian way widths at all areas with non-fixed displays or displays that are N.I.C. to inform the owner of aisle width requirements at displays:</p> <ol style="list-style-type: none"> <li>1. 36" min if displays and similar fixtures or equipment are placed on only one side of the aisle.</li> <li>2. 44" min if displays and similar fixtures or equipment are placed on both sides of the aisle.</li> </ol>	<p>CBC 1017.2, CBC 1105B.3.6 #1, CBC 1110B.2.1 &amp; CBC 1133B.6.2</p>	<p>Aisles in Groups B and M Miscellaneous general standards Circulation Width</p>
<p><b>19.17</b> Provide and indicate 32" min clear door opening at all storage areas.</p>	<p>CBC 1105B.3.6 #2 &amp; CBC 1110B.2.2</p>	<p>Storage areas Storage areas</p>

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /  
Reference  
or Code Citation

Headings / Comments / Notes  
& Examples

### Check List 20. EDUCATIONAL USE AREAS

<p><b>20.1</b> For additional scoping requirements and exceptions see also applicable <b>DSA-AC Checklist 1</b>.</p>		
<p><b>20.2</b> For the purpose of Access Compliance review only: Regardless of occupancy load or classification, the requirements of CBC 1106B are not limited to Group E facilities or portions of facilities but do also apply to any facility or portion of facility which is used, either full-time or part-time, or can be characterized as an educational use area.</p>		
<p><b>20.3</b> All laboratories, prep rooms, dark rooms, computer rooms, equipment rooms, teaching facility cubicles, study carrels, libraries, and similar areas must be made accessible.</p> <p>EXCEPTIONS:</p> <p>a. In existing buildings where DSA determines that compliance would create an unreasonable hardship, an exception may be granted when equivalent facilitation is provided.</p> <p>b. In existing buildings where DSA determines that, due to legal or physical constraints, compliance with building standards requirements or equivalent facilitation would create an unreasonable hardship.</p>	<p>CBC 1106B.1</p>	<p>Group E Occupancies - General</p> <p><u>NOTE:</u> Jurisdictional findings and determinations for exception (b) are subject to an internal DSA appeals process.</p>
<p><b>LABORATORIES (Labs)</b></p>		
<p><b>20.4</b> Provide and indicate 5%, but never less than one accessible workstation of each type of use in labs, science, home economics and other similar specialized classrooms.</p>	<p>CBC 1106B.2 ADA Stds. 4.1.3(18)</p>	<p>Laboratory rooms</p>
<p><b>20.5</b> Provide and indicate 5%, but never less than one accessible workstation of each type of use in laboratory preparation rooms, supply rooms, dry rooms, cold rooms, walk-in freezers, sterile rooms, small research laboratories, and areas containing specialized equipment.</p> <p>EXCEPTION: Where DSA determines that compliance would create an unreasonable hardship, such facilities need not be made fully accessible, except that a clear accessible path of travel must be maintained into such rooms.</p>	<p>CBC 1106B.3</p>	<p>Teaching facility cubicles, study carrels, etc.</p>
<p><b>20.6</b> Provide and indicate at least one of each type of sink and other specialized equipment such as fume hoods, microscopes, emergency eyewash and showers, etc, associated with the special use activity to be accessible.</p>	<p>CBC 1106B.3</p>	<p>Teaching facility cubicles, study carrels, etc.</p>
<p><b>20.7</b> Provide and indicate at least one teaching or demonstration station of each type to be accessible.</p>	<p>CBC 1106B.3</p>	<p>Teaching facility cubicles, study carrels, etc.</p>
<p><b>20.8</b> Provide floor plan and indicate:</p> <ol style="list-style-type: none"> <li>1. All workstations and equipment.</li> <li>2. 30" x 48" clear space at each accessible workstation and at accessible equipment.</li> </ol>	<p>CBSC Part 1 4-317(b)</p> <p>CBC 1106B.2</p>	<p>Plans</p> <p>Laboratory rooms</p>

**20**

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /  
Reference  
or Code Citation

Headings / Comments / Notes  
& Examples

**Check List 20. EDUCATIONAL USE AREAS**

<p><b>3.</b> Aisle width, maneuvering and turning clearances from room entry to all accessible elements.</p>	<p>CBC 1114B.1.1 CBC 1106B</p>	<p>Facility accessibility – General Accessibility for Group E Occupancies</p>
<p><b>20.9</b> Provide and indicate knee clearance at workstation or equipment: 27" high, 30" wide, and 19" deep min.</p>	<p>CBC 1122B.3</p>	<p>Knee clearance</p>
<p><b>20.10</b> Provide and indicate height of accessible work surface depending on the type of use between 28" and 34" AFF.</p>	<p>CBC 1122B.4 ADA Stds. 4.32.4</p>	<p>Height of work surfaces Height of tables or counters</p>
<p><b>20.11</b> Provide elevation or manufacturer's cut sheet for accessible fume hood indicating knee clearance and height of operable parts and controls to be 48" max AFF.</p>	<p>CBSC Part 1 4-317(b)</p>	<p>Plans</p>
<p><b>20.12</b> Provide elevation or manufacturer's cut sheet for accessible emergency shower indicating height of operable parts and controls (e.g., pull-handle) to be 48" max AFF.</p>	<p>CBSC Part 1 4-317(b)</p>	<p>Plans</p>
<p><b>20.13</b> Provide elevation or manufacturer's cut sheet for accessible emergency eyewash indicating centerline of bubbler to be 36" max AFF.</p>	<p>CBSC Part 1 4-317(b)</p>	<p>Plans</p>
<p><b>20.14</b> Indicate 48" min aisle width for sink back-up space.</p>	<p>CBC 1118B.4 #1  CBC Fig 11B-13</p>	<p>Clear floor or ground space for wheelchairs - Size and approach Minimum clearances for seating and table</p>
<p><b>20.15</b> Provide and indicate reach range dimensions for gas/air/water outlets over an obstruction.</p>	<p>CBC 1118B.5 CBC Fig 11B-5C(b) ADA Stds Fig. 5b</p>	<p>Forward reach Maximum forward reach Maximum forward reach</p>
<p><b>20.16</b> Provide and indicate lever-action faucets at gas/air/water outlets.</p>	<p>CBC 1117B.6 #4</p>	<p>Controls and operating mechanisms</p>
<p><b>TEACHING FACILITY CUBICLES, STUDY CARRELS, COMPUTER CLASSROOMS, AND DARKROOMS</b></p>		
<p><b>20.17</b> Provide and indicate 5%, but never less than one accessible workstation of each type of use at the following teaching facilities:</p> <ol style="list-style-type: none"> <li>1. Cubicles and study carrels.</li> <li>2. Computer stations.</li> <li>3. Language.</li> <li>4. Medical and dental stations.</li> <li>5. Audio-visual.</li> <li>6. Typing, painting, sculpting, and ceramics studios.</li> <li>7. Vocational, wood, and metal shops, including spray booth.</li> <li>8. Darkrooms.</li> </ol>	<p>CBC 1106B.3</p>	<p>Teaching facility cubicles, study carrels, etc.</p>
<p><b>20.18</b> Provide and indicate at least one teaching or demonstration station to be accessible.</p>	<p>CBC 1106B.3</p>	<p>Teaching facility cubicles, study carrels, etc.</p>

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification / Reference or Code Citation

Headings / Comments / Notes & Examples

**Check List 20. EDUCATIONAL USE AREAS**

- 20.19** Provide floor plan and indicate:
1. All workstations and equipment.
  2. 30" x 48" clear space at each accessible workstation and at accessible equipment.
  3. Knee clearance and reach ranges, if applicable.
  4. Aisle width, maneuvering and turning clearances from room entry to all accessible elements.

CBSC Part 1 4-317(b)

Plans

- 20.20** Provide accessible door at darkroom.

CBC 1118B.4

Clear floor or ground space for wheelchairs

CBC 1122B.3, CBC 1118B

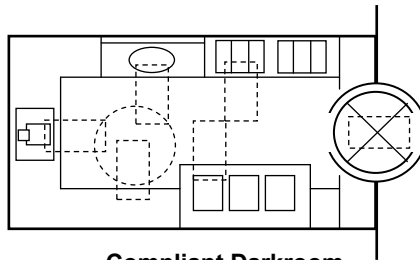
Knee clearance  
Space allowance & reach ranges

CBC 1133B.6.2, CBC 1118B

Aisles - width  
Space allowance & reach ranges

CBC 1133B.2

Doors



**Compliant Darkroom**

60" turning radius, 30" x 48" clear space and knee clearance at each different type of equipment, door opening 32", inner diameter of door 57" clear provided

**LIBRARIES**

- 20.21** Provide floor plan and indicate:
1. Service, information, and checkout counters.
  2. Book drop.
  3. Book stacks, shelves, display tables and cabinets, card files, etc.
  4. Aisle widths, maneuvering and turning clearances throughout the public area.
  5. All workstations and equipment, including copying machines.

CBSC Part 1 4-317(b)

Plans

- 20.22** Provide and indicate 5%, but never less than one accessible library workstation of each type of use in each area, including:
1. Cubicles, reading and study carrels, and similar areas.
  2. Computer or similar workstations.

CBC 1106B.4 #5

Reading and study areas

- 20.23** Indicate height of counter/table top to be 28" min to 34" max AFF.

CBC 1122B.4

Height of work surfaces

- 20.24** At least one lane at each check-out area must be on an accessible route and have a portion of the counter which is at least 36" in length with a maximum height of 34" AFF with a 36" wide aisle on the customer side.

CBC 1106B.4 #6

Check-out areas



Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification / Reference or Code Citation

Headings / Comments / Notes & Examples

**Check List 20. EDUCATIONAL USE AREAS**

**20.25** Bookshelves must be 54" AFF or less.

EXCEPTION: When an attendant is available at all times to assist persons with disabilities to retrieve books, shelves may be located higher than 54" AFF.

CBC 1106B.4 #3

Height of book shelves

CBC 1106B.4 #3

Height of book shelves

**20.26** Card catalogs and magazine displays must be 48" max AFF for front reach and 54" max AFF for side reach.

CBC 1106B.4 #4

Card catalogs

**20.27** Indicate 44" min width for all main aisles.

CBC 1106B.4 #2

Open book stacks

**20.28** Indicate 36" min width for all side, range, and end aisles.

CBC 1106B.4 #2

Open book stacks

NOTE  
Depending on the occupancy load, Chapter 10 may require wider aisles.

**20.29** Provide and indicate the following dimensions when turning around bookshelves:

CBSC Part 1 4-317(b)

Plans

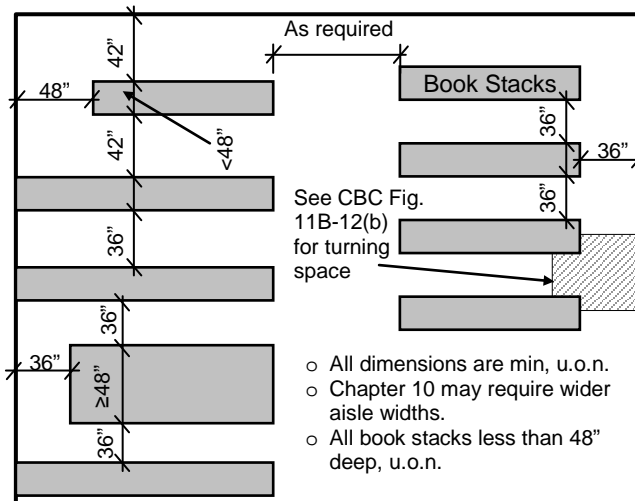
1. 90 degree turns can be made from a 36" wide aisle into another 36" aisle if the depth of the bookshelf is 48" or greater on the inside dimensions of the turn.
2. U-turns around bookshelves less than 48" wide can be made if the aisle width is 42" min and the base of the U-turn space is 48" min. wide.

CBC Fig. 11B-5E

Width of accessible route

CBC Fig. 11B-5E

Width of accessible route



**20**

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

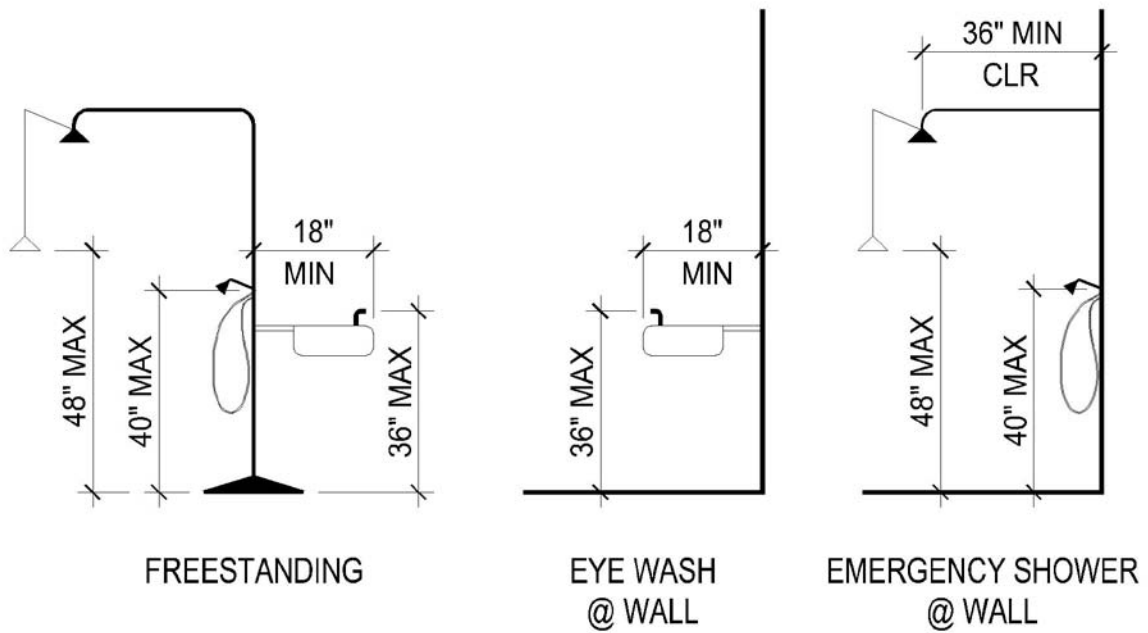
Justification /  
Reference  
or Code Citation

Headings / Comments / Notes  
& Examples

### Check List 20. EDUCATIONAL USE AREAS

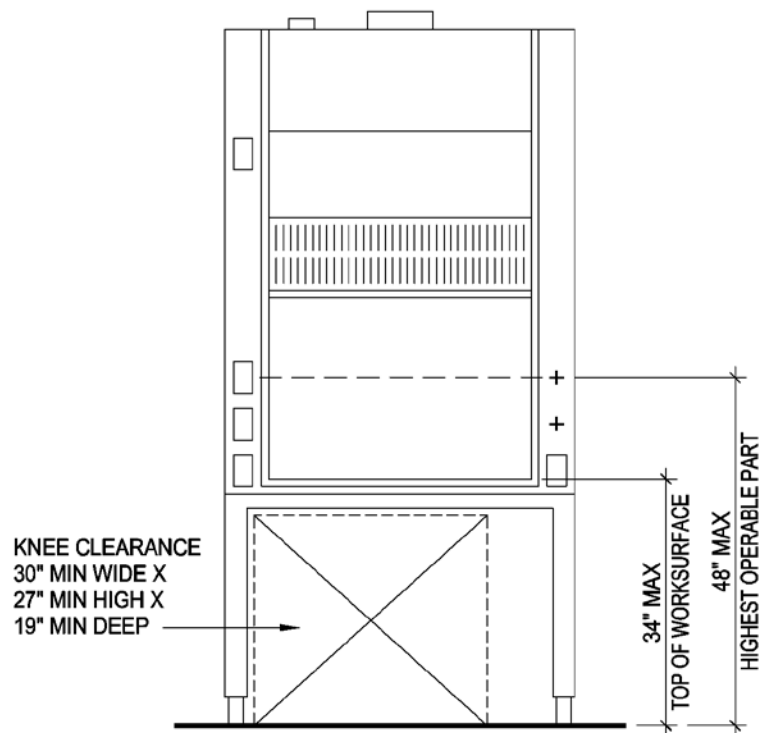
#### PLAYGROUNDS

<p><b>20.30</b> Provide and indicate accessible route of travel to playground.</p>	<p>CBC 1106B.1</p>	<p>General</p>
<p><b>20.31</b> Provide and indicate accessible route of travel from playground area to play equipment.</p>	<p>CBC 1114B</p>	<p>Facility accessibility</p>
<p><b>20.32</b> Provide and indicate accessible playground equipment. See federal guidelines for acceptable solutions: (see <a href="http://www.access-board.gov/play/finalrule.htm">http://www.access-board.gov/play/finalrule.htm</a>).</p>	<p>36 CFR Part 1191</p>	<p>Accessibility guidelines for buildings and facilities</p>
<p><b>20.33</b> Provide and indicate destination material around playground equipment, to comply with the following standard, referenced by the federal guidelines:</p> <ol style="list-style-type: none"> <li>1. ASTM F 1487-98 Standard Consumer Safety Performance Specification for Playground Equipment for Public Use.</li> <li>2. ASTM F 1951-99 Standard Specification for Determination of Accessibility of Surface Systems Under and Around Playground Equipment.</li> <li>3. ASTM F 1292-99 Standard Specification for Impact Attenuation of Surface Systems Under and Around Playground Equipment.</li> </ol>	<p>36 CFR Part 1191 ADAAG Chapter 15 PRC 5410-5411 H&amp;SC 115725</p>	
<p><b>20.34</b> Indicate play components to comply with ADA Guidelines for Play Areas.</p>	<p>PRC 5410-5411</p>	



**Fig 20-A - Emergency Eyewash and Shower**

**Fig 20-B - Accessible Fume Hood**



**21**

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /  
Reference  
or Code Citation

Headings / Comments / Notes  
& Examples

**Check List 21. INSTITUTIONAL USE AREAS**

21.1	For additional scoping requirements and exceptions see also applicable <b>DSA-AC Checklist 1</b> .		
21.2	For the purpose of Access Compliance review only: Regardless of occupant load or classification, the requirements of CBC 1109B are not limited to Group I facilities or portions of facilities but do also apply to any facility or portion of a facility which is used, either full-time or part-time, or can be characterized as an institutional use area.		
21.3	All skilled nursing, long-term care, intermediate care, bed and care, nursing homes, hospitals, clinics, trauma centers, psychiatric, detoxification, rehabilitation, and similar facilities must be made accessible.	CBC 1109B.1 & ADA Stds 6.1	Group I occupancies - General Medical care facilities - General
	EXCEPTION:  In existing buildings where DSA determines that compliance would create an unreasonable hardship, an exception may be granted when equivalent facilitation is provided. Equivalent facilitation in alterations or additions must provide for either of the following:	CBC 1109B.1	Group I occupancies - General
	a. When patient bedrooms are being added or altered as part of a planned renovation of an entire wing, a department, or other discrete area of an existing medical facility, a percentage of the patient bedrooms that are being added or altered must be made accessible. The percentage of accessible rooms provided must be consistent with the percentage of rooms required to be accessible by the applicable requirements of CBC 1109B.3 until the number of accessible patient bedrooms in the facility equals the overall number that would be required if the facility were newly constructed. Where toilet/bathrooms are part of patient bedrooms that are added or altered and required to be accessible, each such patient toilet/bathroom must be made accessible.	CBC 1109B.3	Patient bedrooms and toilet rooms
	b. When patient bedrooms are being added or altered individually, and not as part of an alteration of the entire area, the altered patient bedrooms must be made accessible unless either a) the number of accessible rooms provided in the department or area containing the altered patient bedroom equals the number of accessible patient bedrooms that would be required if the percentage requirements of 1109B.3 were applied to that department or area, or b) the number of accessible patient bedrooms in the facility equals the overall number that would be required if the facility were newly constructed. Where toilet/bathrooms are part of patient bedrooms that are added or altered and required to be accessible, each such toilet/bathroom must be made accessible.	CBC 1109B.3	Patient bedrooms and toilet rooms
21.4	At outpatient units or facilities providing medical care or services to persons with mobility impairments 10% of the total number of parking spaces must be accessible.	CBC 1129B.2 #1	Accessible parking required – Medical care outpatient facilities - Outpatient units and facilities

**21**

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /  
Reference  
or Code Citation

Headings / Comments / Notes  
& Examples

### Check List 21. INSTITUTIONAL USE AREAS

21.5	At facilities that specialize in the treatment of persons with mobility impairments 20% of the total number of parking spaces must be accessible.	CBC 1129B.2 #2	Units and facilities that specialize in treatment or services for persons with mobility impairments
21.6	One in every eight accessible parking spaces must be van-accessible.	CBC 1129B.3 #2	Parking space size - Van space(s)
21.7	At medical care facilities in which people receive physical or medical treatment or care <u>and</u> where persons may need assistance in responding to an emergency <u>and</u> where the period of stay may exceed 24 hours, provide and indicate at least one accessible entrance that is protected from the weather by a canopy or roof, and which incorporates an accessible passenger loading zone.  EXCEPTION:  Clinics and other medical facilities that are not intended for patient stays of 24 hours or more and that are located above the first floor.	CBC 1109B.2	Entrance
21.8	Provide enlarged plan in 1/4" scale representing the actual layout of the accessible passenger loading zone, including associated entrances, sidewalks and curb ramps. Provide and indicate:	CBSC Part 1 4-317(b)	Plans
	1. 5' x 20' access aisle adjacent and parallel to the vehicle pull-up space.	CBC 1131B.2 #1	Passenger loading zone - General
	2. Access aisle and vehicle pull-up space must be level (2% max. slope in any direction).	CBC 1131B.2 #1	Passenger loading zone - General
	3. A curb ramp, if there is a curb between the access aisle and the vehicle pull-up space, or if there is a curb between the access aisle and the accessible route of travel.	CBC 1131B.2.1 #1	Passenger loading zone - General
	4. Vertical clearance of 114" min at passenger loading zones and one vehicle access route to such zones (from site entrances and exits).	CBC 1131B.2 #2	Vertical clearance
	5. Design of identifying signage (including ISA).	CBC 1131B.2 #1	Passenger loading zone - General
	6. Indicate outline of canopy or roof on plan.	CBSC Part 1 4-317(b)	Plans
	7. Bus stop pads and shelters (as applicable).	CBC 1121B.2	Bus stops and terminals
21.9	All exterior and interior public use and common use areas, such as TV lounges, waiting rooms, offices, conference rooms, etc., must be made accessible.	CBC 1109B.1	Accessibility for group I Occupancies – General
21.10	In long-term care facilities (including skilled nursing, intermediate care, bed & care, and nursing homes) provide and indicate a minimum of 50% of patient bedrooms and toilet facilities to be accessible.	CBC 1109B.3 #1	Patient bedrooms and toilet rooms
21.11	In general-purpose hospitals, psychiatric and detoxification facilities provide and indicate a minimum of 10% of patient bedrooms and toilet facilities to be accessible.	CBC 1109B.3 #2	Patient bedrooms and toilet rooms

**21**

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /  
Reference  
or Code Citation

Headings / Comments / Notes  
& Examples

**Check List 21. INSTITUTIONAL USE AREAS**

**21.12** In hospitals and rehabilitation facilities that specialize in treating conditions that affect mobility, or units within either that specialize in treating conditions that affect mobility, provide and indicate that all patient bedrooms and toilet facilities shall be accessible.

CBC 1109B.3 #3

Patient bedrooms and toilet rooms

**21.13** In buildings that house offices and suites of physicians, dentists, etc., all such offices or suites, and their sanitary facilities, must be made accessible.

CBC 1109B.8

Offices and suites

**22**

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /  
Reference  
or Code Citation

Headings / Comments / Notes /  
& Examples

**Check List 22. RESIDENTIAL USE AREAS**

<b>22.1</b>	Buildings and complexes containing publicly funded dwelling units shall be accessible as required by Chapter 11A, Housing Accessibility.	CBC 1111B.5.1	Buildings and complexes containing publicly funded dwelling units - General
<b>22.2</b>	Covered multifamily dwellings include one or more publicly funded dwelling units.	CBC 1111B.5.1	General
<b>22.3</b>	Alterations to publicly funded dwelling units must comply with Division IV of Chapter 11B, including the path of travel requirements.	CBC 1111B.5.1 CBC 1134B	General Accessibility for existing buildings
<b>22.4</b>	In covered multifamily dwelling units with fuel-burning appliances and/or attached garages as described in CBC 420.4.1, all required carbon monoxide alarms shall be provided with the capability to support visible alarm notification appliances.	CBC 420.4.4	Visible alarms

**23**

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /  
Reference  
or Code Citation

Headings / Comments / Notes  
& Examples

**Check List 23. MISCELLANEOUS AND OTHER USE AREAS**

**23.1** For additional scoping requirements and exceptions see also applicable **DSA-AC Checklists 1 through 24.**

**FACTORY AND WAREHOUSE USE AREAS**

**23.2** For the purpose of Access Compliance review only: Regardless of occupancy load or classification, the requirements of CBC 1107B are not limited to Group F facilities or portions of facilities but do also apply to any facility or portion of facility which is used, either full-time or part time, or can be characterized as factory or warehouse use area.

CBC 1107B

Factories and warehouses

**23.3** All levels of multi-story factories and warehouses must be made accessible.

CBC 1107B &  
CBC 1103B.1

Factories and warehouses  
Building accessibility - General

**EXCEPTIONS:**

a. Alterations when DSA determines that compliance would create an unreasonable hardship, and when equivalent facilitation is provided.

b. Non-occupiable spaces accessed only by ladders, catwalks, crawl spaces, very narrow passageways, or freight (non-passenger) elevators, and frequented only by service personnel for maintenance, repair, or occasional monitoring of equipment, including, but not limited to, elevator pits, elevator penthouses, piping or equipment catwalks, and machinery rooms.

CBC 1103B.1 Exc 1

Building accessibility – General

c. Levels in private facilities that are less than three stories or that have less than 3000 square feet per story.

CBC 1103B.1 -  
Exception 2.1

Building accessibility – General

**23.4** Factories must be made accessible as follows:

1. All major or principal floor areas must be made accessible.

CBC 1107B.1 #1

Factories

2. All office areas must be made accessible.

CBC 1107B.1 #2

Factories

3. All sanitary facilities serving these areas must be made accessible.

CBC 1107B.1 #3

Factories

**23.5** Warehouses must be made accessible as follows:

1. All warehousing areas which are located on the floor nearest grade and those areas on other floors that are otherwise provided with access by level entry, ramp or elevator must be made accessible.

CBC 1107B.2 #1

Warehouses

2. All office areas must be made accessible.

CBC 1107B.2 #2

Warehouses

3. All sanitary facilities serving these areas must be made accessible.

CBC 1107B.2 #3

Warehouses



**23**

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /  
Reference  
or Code Citation

Headings / Comments / Notes  
& Examples

**Check List 23. MISCELLANEOUS AND OTHER USE AREAS**

**HAZARDOUS USE AREAS**

**23.6** For the purpose of Access Compliance review only: Regardless of occupancy load or classification, the requirements of CBC 1108B are not limited to Group H facilities or portions of facilities but do also apply to any facility or portion of facility which is used, either full-time or part time, or can be characterized as hazardous use area.

CBC 1108B  
CBC 1108B.1

Accessibility for Group H Occupancies  
General

**23.7** Hazardous use areas that are used by the public, as customers, clients, or visitors, or are potential places of employment, must be made accessible.

CBC 1108B.6

Accessible facilities

**EXCEPTIONS:**

- a. In alterations when DSA determines that compliance would create an unreasonable hardship, and when equivalent facilitation is provided.
- b. In existing buildings where DSA determines that, due to legal or physical constraints, compliance with accessibility standards or equivalent facilitation would create an unreasonable hardship.

NOTE:  
Jurisdictional findings and determinations for exception (b) are subject to an internal DSA appeals process.

**23.8** Provide and indicate accessible toilet and bathing facilities.

CBC 1108B.2

Accessible sanitation facilities

**23.9** Provide and indicate an accessible route of travel, including entrances, stairs, ramps, doors, turnstiles, corridors, walks, and sidewalks.

CBC 1108B.3

Accessible routes

**23.10** All floor and levels must be made accessible.

CBC 1108B.4

Accessible floors and levels

**23.11** Provide and indicate a 36" min wide accessible route of travel and doors with 32" min clearance to all employee work areas.

CBC 1108B.5

Employee work areas

**STORAGE AND UTILITY USE AREAS**

**23.12** Storage and utility use areas that are used by the public as customers, clients, visitors or which are potential places of employment must be made accessible.

CBC 1114B &  
CBC 1.9.1.2

Facility accessibility  
Division of the State Architect -  
Access Compliance - Application

**EXCEPTION:**

In alterations when DSA determines that compliance would create an unreasonable hardship, and when equivalent facilitation is provided.

**23**

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /  
Reference  
or Code Citation

Headings / Comments / Notes  
& Examples

**Check List 23. MISCELLANEOUS AND OTHER USE AREAS**

<p><b>23.13</b> Provide and indicate at least one of each type of storage facility to be accessible.</p>	<p>CBC 1125B.1</p>	<p>Storage - General</p>
<p><b>23.14</b> Provide and indicate accessible route of travel to accessible storage units.</p>	<p>CBC 1114B.1.2</p>	<p>Accessible route of travel</p>
<p><b>23.15</b> Provide and indicate accessible opening hardware at accessible storage units.</p>	<p>CBC 1125B.4</p>	<p>Storage - Hardware</p>
<p><b>23.16</b> Provide and indicate accessible toilet and bathing facilities.</p>	<p>CBC 1115B.1</p>	<p>Bathing and toilet facilities – General</p>
<p><b>23.17</b> Provide and indicate a 36" min wide accessible route of travel and doors with 32" min clearance to all employee work areas.</p>	<p>CBC 1123B.2</p>	<p>Work stations</p>
<p><b>23.18</b> Public tour areas, to the extent that such public tours are conducted through or about a utility facility, or where the public is permitted to walk in such areas, must provide accessibility in those portions of the facility and grounds where this occurs.</p>	<p>CBC 1105B.3.4 #2</p>	<p>Public utility facilities</p>
<p><b>OUTDOOR USE AREAS</b></p>		
<p><b>23.19</b> For the purpose of Access Compliance review only: Regardless of occupancy load or classification, the requirements of CBC 1132B are not limited to outdoor use areas or facilities but do also apply to any area, facility, or portion of facility which is used, either full-time or part time, or can be characterized as outdoor use area.</p>	<p>CBC 1132B</p>	<p>Outdoor occupancies</p>
<p><b>23.20</b> Outdoor use areas, including naturally occurring public accommodations, must be made accessible.</p>	<p>CBC 1132B.1</p>	<p>General</p>
<p><b>23.21</b> Parks and recreational areas and facilities must be made accessible.</p> <p>EXCEPTIONS:</p> <ol style="list-style-type: none"> <li>In alterations when DSA determines that compliance would create an unreasonable hardship, and when equivalent facilitation is provided.</li> <li>Where DSA finds that, in specific areas, the natural environment would be physically damaged by compliance; such areas shall be subject to these regulations only to the extent that such material damage would not occur.</li> <li>Automobile access shall not be provided or routes of travel shall not be made accessible when DSA determines that compliance with these regulations would create an unreasonable hardship.</li> </ol>	<p>CBC 1132B.1</p>	<p>General</p>
<p><b>23.22</b> Provide and indicate a minimum of 3% but never less than two (2) accessible campsites.</p>	<p>CBC 1132B.2</p>	<p>Parks and recreational areas</p>
<p><b>23.23</b> Accessible campsite must be level and provide a firm and stable surface.</p>	<p>CBC 1132B.2 #1</p>	<p>Campsites</p>
	<p>CBC 1124B.1</p>	<p>Ground and floor surfaces - General</p>

**23**

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /  
Reference  
or Code Citation

Headings / Comments / Notes  
& Examples

**Check List 23. MISCELLANEOUS AND OTHER USE AREAS**

<p><b>23.24</b> Provide and indicate accessible route of travel from accessible campsites to sanitary facilities.</p>	<p>CBC 1132B.2 #1</p>	<p>Campsites</p>
<p><b>23.25</b> If permanent sanitary facilities are provided on the site, these must be made accessible to persons using wheelchair.</p>	<p>CBC 1132B.2 #1 &amp; 3</p>	<p>Campsites &amp; Sanitary facilities</p>
<p><b>23.26</b> All beaches, picnic areas, day use areas, vista points and similar areas must be made accessible.</p>	<p>CBC 1132B.2 #2</p>	<p>Beaches, picnic areas</p>
<p><b>23.27</b> Boat docks, fishing piers, etc. must be made accessible.</p>	<p>CBC 1132B.2 #4</p>	<p>Boat docks</p>
<p><b>23.28</b> Trails, paths and nature walk areas, or portions of these, shall permit at least partial use by wheelchair occupants. Hard surface paths or walks shall be provided to serve all buildings and other functional areas.</p>	<p>CBC 1132B.2 #6</p>	<p>Trails and paths</p>
<p><b>23.29</b> Provide and indicate running slopes or elevation points and cross slopes.</p>	<p>CBSC Part 1 4-317(b)</p>	<p>Plans</p>
<p><b>23.30</b> Indicate and specify accessible trail surface material.</p>	<p>CBSC Part 1 4-317(b)</p>	<p>Plans</p>
<p><b>23.31</b> Nature trails and other similar educational or informational areas must be accessible to the blind with rope guidelines, raised Arabic numerals and symbols, informational signs and related guide and/or assistance devices.</p>	<p>CBC 1132B.2 #7</p>	<p>Nature trails <b>NOTE:</b> For museums, orientation buildings, visitor centers, office buildings, retail stores, restaurants, etc., and sanitary facilities serving these uses, see Sections 1104B through 1111B, 1115B, and sections listed in Section 1114B.1.1.</p>
<p><b>23.32</b> Highway rest areas and similar facilities must be made accessible, including:</p>	<p>CBC 1132B.3</p>	<p>Highway rest areas</p>
<p>1. An accessible sanitary facility for each sex.</p>	<p>CBC 1132B.3.1 #1</p>	<p>Permanent facilities</p>
<p>2. At least one accessible picnic table and one additional table for each 20 tables, or fraction thereof provided.</p>	<p>CBC 1132B.3.1 #2</p>	<p>Permanent facilities</p>
<p>3. Accessible information and display areas.</p>	<p>CBC 1132B.3.1 #3</p>	<p>Permanent facilities</p>
<p>4. Hi-low drinking fountains.</p>	<p>CBC 1132B.3.1 #4</p>	<p>Permanent facilities</p>
<p>5. At least one van-accessible parking space.</p>	<p>CBC 1132B.3.1 #5</p>	<p>Permanent facilities</p>
<p>6. Curb ramps conforming to CBC 1127B.5 must be provided at pedestrian ways where appropriate.</p>	<p>CBC 1132B.3.1 #6</p>	<p>Permanent facilities</p>

**23**

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /  
Reference  
or Code Citation

Headings / Comments / Notes  
& Examples

**Check List 23. MISCELLANEOUS AND OTHER USE AREAS**

**SWIMMING POOLS**

<p><b>23.33</b> Swimming pool deck areas shall be accessible.</p>	<p>CBC 1104B.4.3 #4</p>	<p>Participation areas – Swimming pool deck areas</p>
<p><b>23.34</b> Swimming pools shall provide a mechanism to assist persons with disabilities in gaining entry into the pool and in exiting from the pool.</p>	<p>CBC 1104B.4.3 #4</p>	<p>Participation areas – Swimming pools</p>
<p><b>23.35</b> Provide and indicate swimming pool lift that complies with the following requirements:</p>	<p>CBC 1104B.4.3 #4</p>	<p>Participation areas – Swimming pool deck areas</p>
<p>1. Seat shall be rigid.</p>	<p>CBC 1104B.4.3 #4.1.1</p>	<p>Swimming pool deck areas</p>
<p>2. Seat shall be between 17” and 19” above the deck of the pool, including any cushioned surface.</p>	<p>CBC 1104B.4.3 #4.1.2</p>	<p>Swimming pool deck areas</p>
<p>3. Seat shall have two armrests. The armrest on the side of the seat by which access is gained must be removable or fold clear of the seat.</p>	<p>CBC 1104B.4.3 #4.1.3</p>	<p>Swimming pool deck areas</p>
<p>4. Seat shall have a back support that is at least 12” tall.</p>	<p>CBC 1104B.4.3 #4.1.4</p>	<p>Swimming pool deck areas</p>
<p>5. Seat shall have an occupant restraint for use by the occupant of the seat. Restraint must meet the standards for operable controls per CBC Section 1117B.6 #4 – be operable with one hand and not require tight grasping, pinching, or twisting of the wrist; and not require a force greater than 5 lbf (22.2 N) to activate the controls.</p>	<p>CBC 1104B.4.3 #4.1.5</p>	<p>Swimming pool deck areas</p>
<p>6. Lift shall be capable of unassisted operation from both the deck and water levels.</p>	<p>CBC 1104B.4.3 #4.2</p>	<p>Swimming pool deck areas</p>
<p>7. Lift shall be stable and not permit unintended movement when a person is getting into or out of the seat.</p>	<p>CBC 1104B.4.3 #4.3</p>	<p>Swimming pool deck areas</p>
<p>8. Lift shall be designed to have a live-load capacity of not less than 300 lbs.</p>	<p>CBC 1104B.4.3 #4.4</p>	<p>Swimming pool deck areas</p>
<p>9. Lift shall be noted to be positioned so that if the pool has water of different depths, it will place the operator into water that is at least three feet deep.</p>	<p>CBC 1104B.4.3 #4.5</p>	<p>Swimming pool deck areas</p>
<p>10. Lift shall be able to lower the operator at least 18” below the surface of the water.</p>	<p>CBC 1104B.4.3 #4.6</p>	<p>Swimming pool deck areas</p>

**24**

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /  
Reference  
or Code Citation

Headings / Comments / Notes  
& Examples

**Check List 24. QUALIFIED HISTORICAL BUILDINGS**

<b>24.1</b>	Provide documentation that verifies the project is a qualified historical building or property and submit along with plans for review.	CHBC 8-602.2 #2	Alternative provisions
<b>24.2</b>	This checklist applies to every qualified historical building, or property, that is required to provide access to people with disabilities.	CHBC, Chapter 8-6	Accessibility
<b>24.3</b>	Design and construction must preserve the integrity of qualified historical buildings and properties, while providing access to, and use by people with disabilities. Every function or accommodation available to the general public must be accessible either directly or by alternatives as indicated below.	CHBC 8-602	Intent
<b>24.4</b>	Regular code for access for persons with disabilities shall be applied to qualified historical buildings or properties, unless strict compliance with the regular code will threaten or destroy the historical significance, or character-defining features of the building or property.	CHBC 8-602.1 CHBC, Chapter 8-2	Regular code Definitions – Regular code  <u>DEFINITION:</u> REGULAR CODE: The adopted regulations that govern the design and construction or alteration of non-historical buildings and properties within the jurisdiction of the enforcing agency.
<b>24.5</b>	If the historical significance or character-defining features are threatened, alternative provisions for access may be applied pursuant to this Checklist, provided the following conditions are met:	CHBC 8-602.2	Alternative provisions
1.	These alternative provisions shall be applied only on an item-by-item or a case-by-case basis.	CHBC 8-602.2 #1	Alternative provisions
2.	Documentation is provided, including meeting minutes or letters, stating the reasons for the application of the alternative provisions. Such documentation shall be retained in the permanent file of the enforcing agency.	CHBC 8-602.2 #2	Alternative provisions
3.	A signature of approval from the applicable enforcement agency shall accompany any alternatives, equal facilitation designs, or exceptions agreed upon.	CHBC 8-602.2 #2	Alternative provisions

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification / Reference or Code Citation

Headings / Comments / Notes & Examples

**Check List 24. QUALIFIED HISTORICAL BUILDINGS**

**24.6** The alternative minimum standards are listed below. All other related standards of regular code are not affected nor exempted.

**1. Entry**

The entrance alternatives below do not allow exceptions for the requirement of level landings in front of doors, except as provided in Section 8-603.4 (Item 3 below).

- A. Access to any entrance used by the general public and no further than 200' from the primary entrance.
- B. Access at any entrance not used by the general public, but open and unlocked with directional signs at the primary entrance and as close as possible to, but no further than 200' from, the primary entrance.
- C. Accessible entrance shall have a notification system. Where security is a problem, remote monitoring may be used.

**2. Doors**

Alternatives for doors listed in order of priority are:

- A. Single-leaf door that provides a 30" min clear opening.
- B. Single-leaf door which provides a 29-1/2" min clear opening.
- C. Double door, one leaf of which provides a 29-1/2" min clear opening.
- D. Double doors operable with a power-assist device to provide a 29-1/2" min clear opening when both doors are in the open position.

Exception: Door alternatives do not apply to alteration of commercial facilities and places of public accommodation (Title III entities).

**3. Power-assisted Doors**

A power-assisted door or doors may be considered an equivalent alternative to level landings, strike side clearance, and door-opening forces required by the regular code.

**4. Toilet Rooms**

In lieu of separate-gender toilet facilities as required in the regular code, an accessible unisex toilet facility may be designated.

**5. Exterior and Interior Ramps and Lifts**

Alternatives for ramps and lifts, listed in order of priority, are:

- A. A lift or a ramp of greater than standard slope, but no greater than 1:10, for horizontal distances not to exceed 5 feet. Signs shall be posted at upper and lower levels to indicate steepness of the slope.
- B. Access by ramps of 1:6 slope for horizontal distance not to exceed 13". Signs shall be posted at upper and lower levels to indicate steepness of the slope.

CHBC 8-603

Alternatives

CHBC 8-603.2

Alternatives – Entry

CHBC 8-603.3

Alternatives – Doors

CHBC 8-603.3 #1

Alternatives – Doors

CHBC 8-603.3 #2

Alternatives – Doors

CHBC 8-603.3 #3

Alternatives – Doors

CHBC 8-603.3 #4

Alternatives – Doors

CHBC 8-603.4

Alternatives – Power-assisted doors

CHBC 8-603.5

Alternatives – Toilet rooms

CHBC 8-603.6

Alternatives – Exterior and interior ramps and lifts

CHBC 8-603.6 #1

Alternatives – Exterior and interior ramps and lifts

CHBC 8-603.6 #2

Alternatives – Exterior and interior ramps and lifts

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /  
Reference  
or Code Citation

Headings / Comments / Notes  
& Examples

**Check List 24. QUALIFIED HISTORICAL BUILDINGS**

**6. Equivalent Facilitation**

Use of other designs and technologies, or deviation from particular technical and scoping requirements, are permitted if the application of the alternative provisions contained in Section 8-603 would threaten or destroy the historical significance or character-defining features of the qualified historical building or property.

- A. Such alternatives shall be applied only on an item-by-item or a case-by-case basis.
- B. Access provided by experiences, services, functions, materials and resources through methods including, but not limited to, maps, plans, videos, virtual reality, and related equipment, at accessible levels. The alternative design and/or technologies used will provide substantially equivalent or greater accessibility to, and usability of, the facility.
- C. The official charged with the enforcement of the standards shall document the reasons for the application of the design and/or technologies and their effect on the historical significance or character-defining features. Such documentation shall be in accordance with Section 8-602.2, Item 2, and shall include the opinion and comments of state or local accessibility officials, and the opinion and comments of representative local groups of people with disabilities. Such documentation shall be retained in the permanent file of the enforcing agency. Copies of the required documentation should be available at the facility upon request.

Note: For commercial facilities and places of public accommodation (Title III entities).

Equivalent facilitation for an element of a building or property when applied as a waiver of an ADA accessibility requirement will not be entitled to the USDOJ certification of the code as rebuttable evidence of compliance for that element.

CHBC 8-604

Equivalent facilitation

CHBC 8-604 #1

Equivalent facilitation

CHBC 8-604 #2

Equivalent facilitation

CHBC 8-604 #3

Equivalent facilitation

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /  
Reference  
or Code Citation

Headings / Comments / Notes  
& Examples

**Check List 25. SPECIFICATIONS**

**25.1** For additional scoping requirements see also applicable **DSA-AC Checklists 1 through 24.**

**DIVISION 2, SITE WORK**

**25.2** Specify concrete paving and concrete finishes along accessible routes of travel to be at least as slip-resistant as that described as a medium salted finish for slopes of less than 6%, and slip-resistant at slopes of 6% or greater

CBC 1133B.7.1

Continuous surface

**25.3** Specify all gates, including ticket gates, to meet all applicable specifications for doors. Coordinate and specify height and type of hardware with door requirements.

CBC 1133B.1.1.1.4

Gates

**25.4** Specify bottom 10" of gates to have a smooth uninterrupted surface.

CBC 1133B.2.6

Smooth surface

**DIVISION 8, DOORS & STOREFRONTS**

**25.5** Specify thresholds in the accessible route of travel.

CBC 1133B.2.4.1

Thresholds

**25.6** Specify closer-effort to be 5 lbf at exterior doors and interior doors.

CBC 1133B.2.5

Door opening force

EXCEPTION: When, at a single location, one of every 8 exterior door leafs, or fraction of 8, is a powered door, other exterior doors at the same location, serving the same interior space, may have a maximum opening force of 8.5 lbf. The powered leaf(s) shall be located closest to the accessible route.

CBC 1133B.2.5, Ex 2

Door opening force

**25.7** Delete note that states that fire doors or rated doors can have up to 15 lbs operating effort, or provide the following note: "The Authority having Jurisdiction, may increase the maximum effort to operate fire doors to achieve positive latching, but not to exceed 15 lbs max."

CBC 1133B.2.5

Door opening force

**25.8** Specify door closer and closer delay time.

CBC 1133B.2.5.1

Door closer

**25.9** Where flush bolts occur in the accessible route of travel, specify accessible flush bolt (automatic).

CBC 1133B.2.5.2

Door hardware

**25.10** Specify hand-activated hardware between 30" to 44" AFF; lever-type hardware, panic bars, push-pull activating or U-shaped handles; lever handle for thumb turn dead bolt.

CBC 1133B.2.5.2

Door hardware

**25.11** Provide cut sheets for all door operating hardware at back check appointment.

--

**25.12** Provide cut sheets for darkroom doors.

--



**25**

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /  
Reference  
or Code Citation

Headings / Comments / Notes  
& Examples

### Check List 25. SPECIFICATIONS

#### DIVISION 9, FINISHES

**25.13** Specify tile flooring to be slip-resistant.

CBC 1124B.1

Ground & floor surfaces –

**25.14** Specify resilient flooring to be slip-resistant.

CBC 1124B.1

Ground & floor surfaces

**25.15** Specify carpet to be securely attached to floor, firm or no pad, 1/2" max pile height, and level loop or cut pile.

CBC 1124B.3

Carpet

**25.16** Specify anchorage at recessed doormats.

CBC 1133B.1.1.1.3

Recessed doormats

#### DIVISION 10, SPECIALTIES

**25.17** Specify signage to be in compliance with 1114B, 1115B.5 and 1117B.5. Also see Checklist 17.

--

**25.18** Specify signage font, size, color and color of background.

CBC 1117B.5

Signs & identification

**25.19** Specify toilet compartment doors to have automatic-closing device, U-shaped handles below latch, and flip-over or sliding latch.

CBC 1115B.3.1 #4.5

Compartment doors

**25.20** Specify coat hook to be installed at 48" max AFF.

CBC 1118B.5

Forward reach

**25.21** Specify toilet tissue dispensers to be continuous flow type.

CBC 1115B.8.4

Toilet tissue dispensers

**25.22** Specify grab bar length and diameter.

CBC 1115B.7

Grab bars, tub and shower seats

**25.23** Provide cut sheets of all toilet room accessories at back check appointment.

--

#### DIVISION 11, EQUIPMENT

**25.24** Specify accessible fume hood, eyewash, deluge shower, other specialized equipment, etc.

--

**25.25** Provide cut sheets for specialized equipment used at back check appointment.

--

**25.26** Specify clear knee space at specialized equipment and/or accessible reach ranges.

CBC 1118B.4,  
CBC 1118B.5 &  
CBC 1118B.6

Clear floor or ground space  
Forward reach  
Side reach

**25.27** Specify food service aisle to be 36" min wide and tray slides to be mounted at 34" max AFF.

CBC 1104B.5 #5

Food service aisles

**25.28** Specify walk-in coolers and freezers to have accessible entry and exit door hardware, and level maneuvering clearances at the exterior side.

CBC 1133B.2.4.2

Maneuvering clearances at doors

CBC 1133B.2.5.2

Hand-activated door opening hardware

#### DIVISION 12, FURNISHINGS

**25.29** Specify U-pulls at cabinets/casework for accessible storage.

CBC 1125B.4

Hardware

**25**

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /  
Reference  
or Code Citation

Headings / Comments / Notes  
& Examples

### Check List 25. SPECIFICATIONS

<b>25.30</b>	Specify access signage at bleachers.	CBC 1104B.3.4 #1	Wheelchair spaces
<b>25.31</b>	Provide code references for accessible seating for persons using wheelchairs and companion.	--	
<b>25.32</b>	Specify 1% or at least one accessible locker, including shelf and coat-hook height and signage.	CBC 1115B.8.5	Lockers
<b>DIVISION 14, CONVEYING SYSTEMS</b>			
<b>25.33</b>	Refer to Section 1116B.1 for elevators.	CBC 1116B.1	Elevators
<b>25.34</b>	Refer to Section 1116B.2 for platform (wheelchair) lifts.	CBC 1116B.2	Platform (wheelchair) lifts
<b>25.35</b>	Specify lift platform safety sensors to prevent downward travel if obstruction is encountered.	CCR Title 8	
<b>25.36</b>	Specify back-up battery when lift used for platform is without direct accessible means of egress.	CBC 1116B.2.5	Platform (wheelchair) lifts
<b>25.37</b>	Specify all elevator/lift signage.	CBC 1117B.5	Signs & identification
<b>DIVISION 15, MECHANICAL/PLUMBING</b>			
<b>25.38</b>	Coordinate height of accessible fixtures with those indicated in construction drawings	--	
<b>25.39</b>	Provide cut sheets for water closet, urinal, lavatories, drinking fountain, showers, etc	--	
<b>25.40</b>	Specify lever-operated faucets. Push-type and electronically controlled mechanisms are acceptable (controls to be operable with one hand; no tight grasping, pinching or twisting of the wrist).	CBC 1115B.4.3 #1	Accessible lavatories
<b>25.41</b>	Specify force to activate controls to be no greater than 5 lbf.	CBC 1115B.4.3 #1	Accessible lavatories
<b>25.42</b>	Specify faucet to remain open for at least 10 seconds when self-closing valves are used.	CBC 1115B.4.3 #1	Accessible lavatories
<b>25.43</b>	Specify insulation or cover for hot water and drainpipes under accessible lavatories and sinks.	CBC 1115B.4.3 #4 CBC 1117B.9 #2	Accessible lavatories Accessible sinks
<b>25.44</b>	Specify accessible sinks to be 6 1/2" max deep.	CBC 1117B.9 #2	Accessible sinks
<b>DIVISION 16, ELECTRICAL</b>			
<b>25.45</b>	Specify permanently installed assistive listening system for assembly use areas with fixed seating.	CBC 1104B.2 #6	ALS – Permanent and portable systems
<b>25.46</b>	Specify portable assistive listening system for assembly use areas with non-fixed seating.	CBC 1104B.2 #6  CBC 1104B.2 #2	ALS – Permanent and portable systems  ALS – Types

**25**

Project designer (PD) shall address the following marked or circled items, and any additional plan review comments on drawings and specifications before scheduling a back check appointment for access compliance (AC). Any questions or points of disagreement must be resolved prior to back check by fax to plan reviewer (PR).

Justification /  
Reference  
or Code Citation

Headings / Comments / Notes  
& Examples

**Check List 25. SPECIFICATIONS**

**25.47** Specify type of assistive listening system.

**25.48** Specify number of receivers and number of signs.

**25.49** Specify electrical controls and switches intended to be used by the occupant of the room or area to be located no more than 48" measured from the top of the outlet box and no less than 15" measured from the bottom of the outlet box to the level of the finish floor or working platform.

**25.50** Specify electrical receptacle outlets on branch circuits of 30 amperes or less and communication system receptacles to be located no more than 48" measured from the top of the receptacle outlet box or receptacle housing and no less than 15" measured from the bottom of the receptacle outlet box or receptacle housing to the level of the finish floor or working platform.

CBC 1104B.2 #2

CBC 1117B.6 #5.1

CBC 1117B.6 #5.2

ALS – Types

Electrical switches

Electrical receptacle outlets