

# SECTION 6: Entrances & Doors Parking

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### Components of Accessible Route



A collection of white puzzle pieces on a light background. Several pieces are labeled with accessibility-related terms: 'Staircase' (top left), 'Walking Surfaces' (top center), 'Entrances' (middle left), 'Doors' (middle left, below Entrances), 'Curb Ramps' (bottom right), and 'Sidewalk' (bottom center).

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### Section 206 & 404



A close-up view of white puzzle pieces. Two pieces are prominently labeled: 'Entrances' in blue and 'Doors' in orange.

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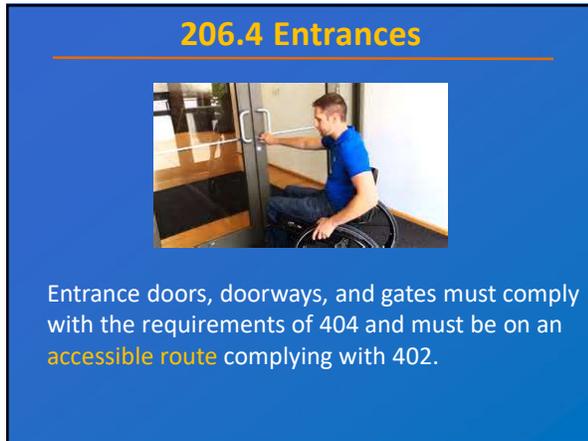
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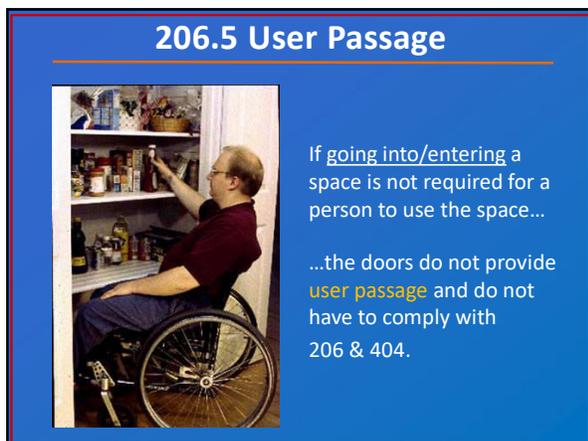
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### 3 Types of Entrances

#### 1. Service Entrance (106.5.59)

An entrance intended primarily for delivery of goods or services.

If a service entrance is the only entrance to a building or to a tenancy in a facility, that entrance has to comply with TAS 404 (per 206.4.8).

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### 3 Types of Entrances

#### 2. Restricted Entrance (106.5.55)

An entrance that is made available for common use on a controlled basis but not public use, and that is not a service entrance.

Per 206.4.7, where restricted entrances are provided to a building or facility, at least one restricted entrance to the building or facility must comply with 404.

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### 3 Types of Entrances

#### 3. Public Entrances (106.5.49)

An entrance that is not a service entrance or a restricted entrance.

Per 206.4.1, in addition to entrances required to be accessible by 206.4.2 through 206.4.9, at least 60% of all public entrances shall comply with 404.

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### 206.4.2-.9 Accessible Entrances

60% of Public Entrances in new construction & in alterations must be accessible AND :

- 100% of the entrances providing direct access from parking structures
- At least one direct entrance from a tunnel or walkway
- At least one entrance to each tenancy



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### 206.4 Accessible Entrances

60% of Public Entrances AND:

- At least one restricted entrance
- At least one service entrance
- At least one primary entrance at a residential dwelling

Transportation Facilities have specific, additional requirements (206.4.4)



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### 206.4 Accessible Entrances

**Exception:**

- Where an alteration includes alterations to an entrance
- And the building or facility has another entrance complying with 404 that is on an accessible route

...The altered entrance is not required to comply with 206.4 unless it is part of the accessible route to an altered primary function area.

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### 206.5.1 Entrances

Each entrance to a building or facility required to comply with 206.4 must have **at least one** accessible door, doorway, or gate.



*Revolving doors, gates, & turnstiles are not accessible.*

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### 404.2.2 Double Leaf Doors & Gates

**At least one** of the active leaves of doorways with two leaves must be compliant.



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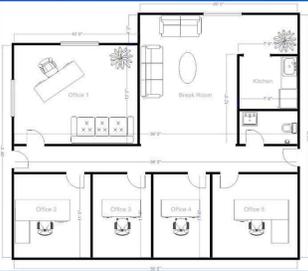
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### 206.5.2 Rooms & Spaces

Within a building or facility, **at least one** door, doorway, or gate serving each accessible room or space shall comply with 404.



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### 206.5.3 Transient Lodging

In hotel guest rooms that are not required to be accessible, the entrances, doors, and doorways providing user passage into and within the rooms **must be accessible**.



provided by Leonardo

*Does not apply to shower and sauna doors in guest rooms.*

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### 404.1 General Exception

Doors, doorways, and gates designed to be operated **only** by security personnel are not required to comply with:

- Hardware (404.2.7)
- Closing speed (404.2.8)
- Opening force (404.2.9)



*All other requirements apply.*

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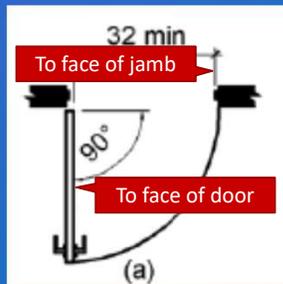
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### 404.2.3 Clear Width

Door openings must provide a clear width of **32" minimum** when the door is open to 90°.



When the door opening is more than 24" deep you must provide a clear opening of 36" min.

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### 404.2 Maneuvering Clearance

Maneuvering Clearance is the minimum space required by persons using mobility aids to position and maneuver at doors, doorways, and gates.



Not just wheelchair users.

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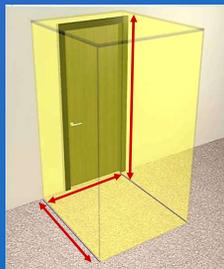
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### 404.2 Maneuvering Clearances

- Extend the full width of the doorway
- Include the required latch side or hinge side clearance
- Are 80" high (except for the door closers and door stops allowed at 78")
- Are measured from the surface of the wall



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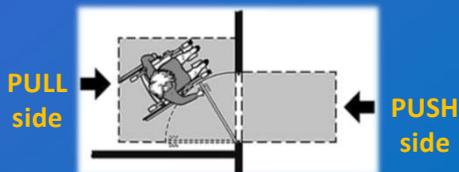
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### Maneuvering

Maneuvering clearance is applicable to both the push and pull sides of doors.

The size of the maneuvering clearance required depends on the approach available at the door.



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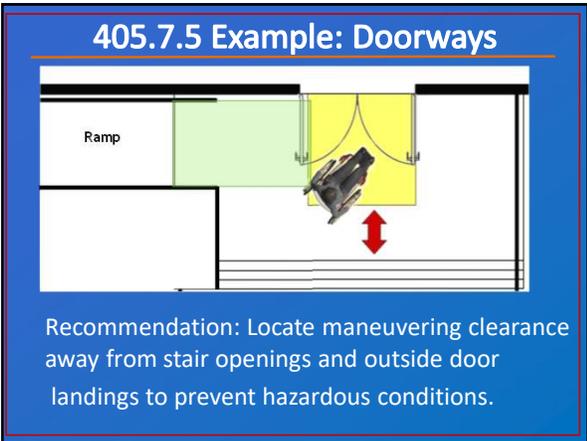
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### 404.2.4.4 Floor & Ground Surfaces

Floor or ground surface within required maneuvering clearances shall comply with 302 (Floor or Ground Surfaces).

Changes in level are not permitted.

If provided at doorways, thresholds shall be 1/2" high maximum.\*

*\*Exception: Existing or altered thresholds 3/4" high maximum that have a beveled edge on each side with a slope not steeper than 1:2*

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### EXERCISES

### Maneuvering Clearances

Pages 84-86

**Table and Figures 404.2.4.1**  
Maneuvering Clearances at  
Manual Swinging Doors and Gates

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### Front Approach, Pull Side

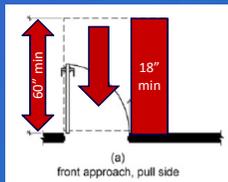


Table 404.2.4.1 Maneuvering Clearances at Manual Swinging Doors and Gates

Type of Use		Minimum Maneuvering Clearance	
Approach Direction	Door or Gate Side	Perpendicular to Doorway	Parallel to Doorway (beyond latch side unless noted)
From front	Pull	60 inches (1525 mm)	18 inches (455 mm)
From front	Push	48 inches (1220 mm)	0 inches (0 mm)*

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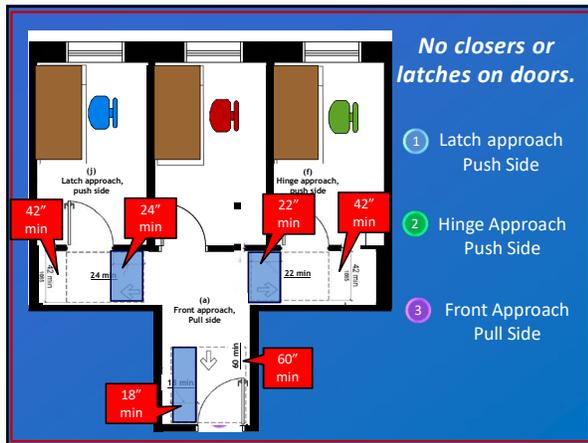
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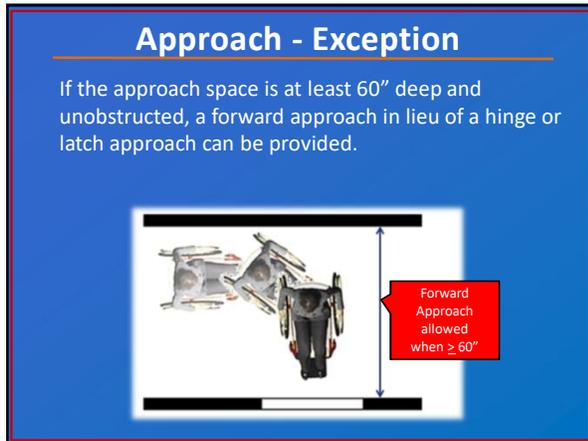
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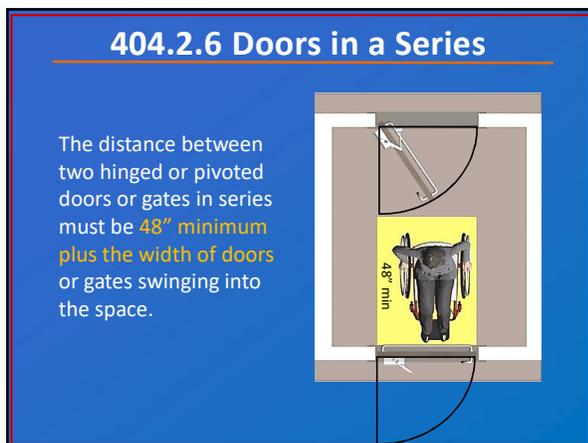
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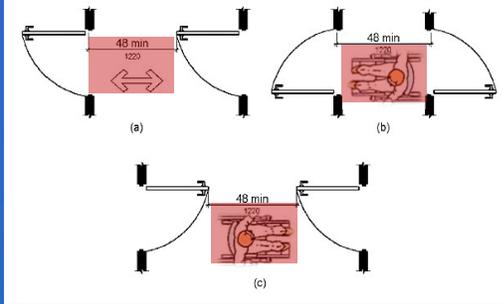
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The same 48" requirement is applicable regardless of whether the door swings in the same direction, opposite directions, inward, or outward.



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Doors with screen doors are not subject to doors in series requirements.

However, each door must still comply with 404.



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### 404.3.2 Power-Assisted Doors

Clearances at automatic doors and gates without standby power and serving an accessible means of egress must provide maneuvering clearances.

But: If the power assisted /automatic doors and gates **remain open in the power-off condition**, maneuvering clearance is not required.



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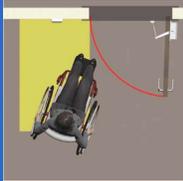
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### 404.3.5 Manual Controls

Manually Operated Controls must comply with the Operable Part requirements of 309.



The clear floor space adjacent to manually operated controls must be located beyond the arc of the door swing.

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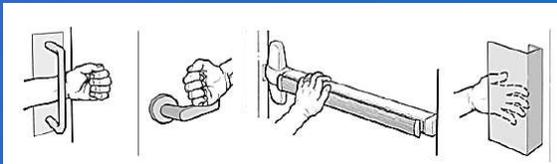
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### 404.2.7 Hardware

Handles, pulls, latches, locks, and other operable parts on doors and gates must comply with the operation requirements of 309.4.



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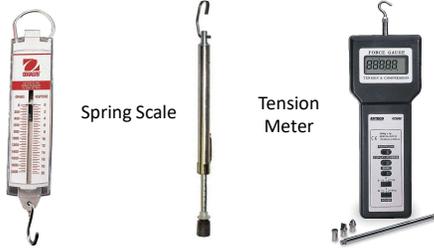
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### 404.2.9 Opening Force

The force for pushing or pulling open a door or gate (other than a fire door) is 5 pounds max.



Spring Scale

Tension Meter

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### 404.2.7 Hardware

Operable parts of handles, pulls, latches, locks such hardware must be 34" min and 48" max above the finish floor or ground.



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### 404.2.10 Door & Gate Surfaces

On the push side of doors and gates, a smooth surface (within 1/16") is required to 10" a.f.f. Kick plates within the 10" must be capped.



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### Compliant?



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# Next: Parking and Passenger Loading Zones

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### 208.1 General - Parking Spaces

Where parking spaces are provided, parking spaces shall be provided in accordance with 208.



*Includes all parking (i.e. employee, visitor, etc.) unless exempted.*

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### 208.1 General Exception

Parking spaces used exclusively for buses, trucks, other delivery vehicles, law enforcement vehicles, or vehicular impound shall not be required to comply with 208...



**...provided that** lots accessed by the public are provided with a passenger loading zone complying with 503.

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Exception to 208.1 **would not apply** if the lot is also used for employees (i.e. officers) to park their own vehicles.

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### 208.2 Minimum Number

Where more than one **parking facility** is provided on a site, the number of accessible spaces are calculated according to the number of spaces required for each parking facility.



*Parking is calculated on a facility-by-facility basis.*

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### 208.2 Minimum Number



A parking facility can be a single space, a parking lot, a parking floor within a building, or a stand alone parking structure.

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**Table 208.2**

Total Number of Parking Spaces Provided in Parking Facility	Minimum Number of Required Accessible Parking Spaces
1 to 25	1
26 to 50	2
51 to 75	3
76 to 100	4
101 to 150	5
151 to 200	6
201 to 300	7
301 to 400	8
401 to 500	9
501 to 1000	2 percent of total
1001 and over	20, plus 1 for each 100, or fraction thereof, over 1000

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**208.2.4 Van Parking Spaces**

For every 6, or fraction of 6, parking spaces required to be accessible, at least one shall be a van accessible parking space.



*If only one parking space is required by Table 208.2, that space must be van accessible.*

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**208.2 Minimum Number**

Parking spaces shall be provided in accordance with Table 208.2 except as required for:

- Hospital Outpatient Facilities (208.2.1);
- Rehabilitation Facilities and Outpatient Physical Therapy Facilities (208.2.2); and
- Residential Facilities (208.2.3).

**These facilities have their own parking requirements.**

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### 208.2.1 Hospital Outpatient Facilities



Ten percent (10%) of patient and visitor parking spaces provided to serve hospital outpatient facilities shall comply with 502.

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### Outpatient Facilities

"Outpatient facility" covers facilities or units that are located in hospitals and provide treatment without an overnight stay. Individual medical facilities are subject to Table 208.2



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### 208.2.2 Rehabilitation Facilities and Outpatient Physical Therapy Facilities

Twenty percent (20%) of patient and visitor parking spaces provided to serve:

- Rehabilitation facilities specializing in treating conditions that affect mobility
- Outpatient physical therapy facilities...

...must comply with 502



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**Examples**

**Conditions that Affect Mobility**

- *Conditions requiring the use or assistance of a brace, cane, crutch, prosthetic device, wheelchair, or powered mobility aid*
- *Arthritic, neurological, or orthopedic conditions that severely limit one's ability to walk*
- *Respiratory diseases and other conditions which may require the use of portable oxygen*
- *Cardiac conditions that impose significant functional limitations.*

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**208.2.3 Residential Facilities Parking**

Parking spaces provided to serve residential facilities shall comply with 208.2.3.

<b>Residential Facilities Subject to Compliance</b>
Social Service Establishments
Crew Quarters for Emergency Response Personnel
Graduate Student and Faculty Housing at Places of Education

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**208.2.3.1 Parking for Residents**

Where parking space is provided for each residential dwelling unit, at least one parking space complying with 502 shall be provided for each residential dwelling unit required to provide mobility features.




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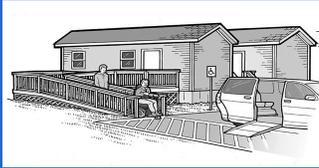
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### 208.3.2 Residential Facilities

In residential facilities containing residential dwelling units required to provide **mobility features**, parking spaces must be located on the **shortest accessible route** to the entrance of the residential dwelling unit they serve.



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### 208.3 Location



Parking spaces complying with 502 that **serve a particular building or facility** must be located on the shortest accessible route from parking to an entrance complying with 206.4.

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### 208.3 Location

In parking facilities that do not serve a particular building or facility, accessible parking spaces must be located on the **shortest accessible route to an accessible pedestrian entrance** of the parking facility.



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The location requirements of 208.3 also apply to public and pay parking garages that do not serve a particular building.

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### 208.3.1 Location

Where parking spaces serve more than one accessible entrance, the spaces must be **dispersed** and located on the shortest accessible route to the accessible entrance.



Example: Office complex or mall parking

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### 208.3 Location - Exception 1

All van parking spaces are permitted to be grouped on one level within a multi-story parking facility.



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### 208.3 Location - Exception 2

Parking spaces shall be permitted to be located in different parking facilities if **substantially equivalent or greater accessibility** is provided in terms of:

- distance from an accessible entrance
- parking fee
- user convenience




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### Go to Table 208.2 (page 34)

Total Number of Parking Spaces Provided in Parking Facility	Minimum Number of Required Accessible Parking Spaces
1 to 25	1
26 to 50	2
51 to 75	3
76 to 100	4
101 to 150	5
151 to 200	6
201 to 300	7
301 to 400	8
401 to 500	9
501 to 1000	2 percent of total
1001 and over	20, plus 1 for each 100, or fraction thereof, over 1000

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### 208.3 Example: Location

Lot	Total Spaces	# Accessible Spaces Req'd.	# Van Spaces Req'd.
A	19	1	1
B	100	4	1 of the 4
C	150	5	1 of the 5
	269	7	2
	269	10	3

If **all** the location criteria of 208.3 are met, all 10 accessible parking spaces (7 car + 3 van) could be located in lot A.

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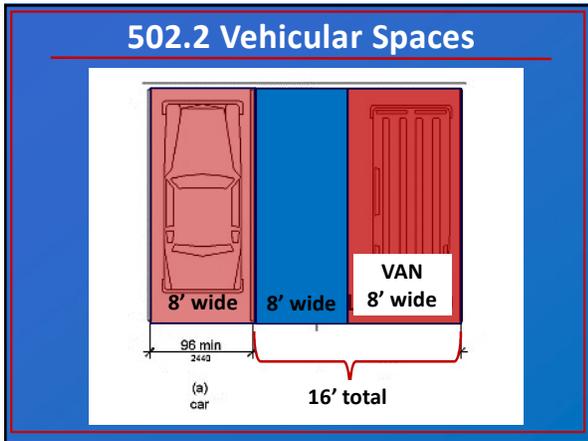
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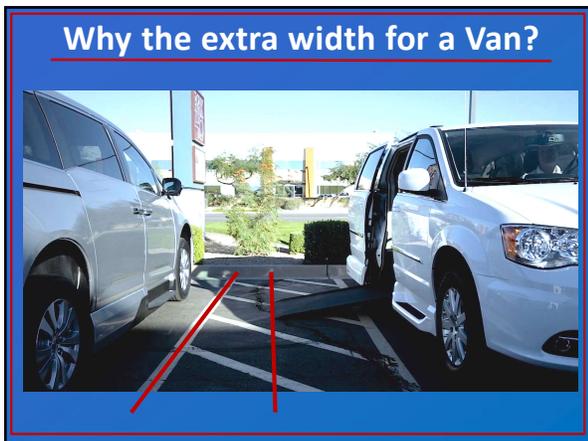
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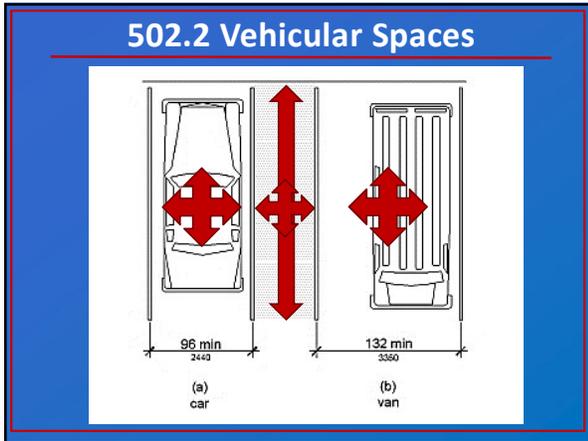
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### 502.3.4 Location

- Access aisles shall be **at the same level** as the parking space.
- Access aisles **cannot** overlap the vehicular way.

Photograph showing a brick-paved parking lot with a blue-painted access aisle and a wheelchair symbol.

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### 502.3 Access Aisles

- Must connect to an accessible route.
- Must be **marked** to define the width and to discourage parking in aisle.

Photograph showing a paved parking lot with white-painted access aisles and wheelchair symbols.

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### Why Not Park in Access Aisle?



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### 502.3.4 Location

Access aisles are permitted to be on either side of the parking space except for....



...angled van parking spaces, which must have access aisles on the **passenger side** of the parking spaces.

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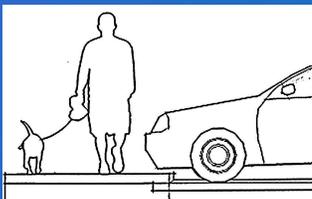
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### 502.7 Relationship to Routes

Parking spaces and access aisles must be designed so that cars and vans, when parked, cannot obstruct the required clear width of adjacent accessible routes.



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### Advisory 502.7



Wheel stops are an effective way to prevent vehicle overhangs from reducing the clear width of accessible routes.

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This ramp is located in the maneuvering clearance of the door and in the access aisle; both of which must be level.

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### 502.5 Vertical Clearance

Parking spaces for vans and access aisles and vehicular routes serving them shall provide a vertical clearance of 98" minimum.



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### 502.6 Identification

Parking space identification signs shall include the International Symbol of Accessibility.



Signs identifying van parking spaces shall contain the designation "van accessible."

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### 502.6 Identification

Signs shall be 60" minimum above the finish floor or ground surface measured to the bottom of the sign.



If a "van accessible" sign is required; the height is measured to the bottom of the "van accessible" sign if mounted below the symbol of accessibility.

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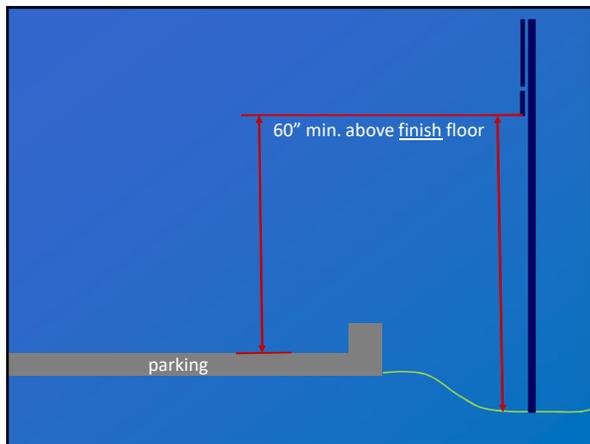
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### Signs - Parking Garages



Spaces in parking facilities are subject to the same sign requirements as those provided on surface lots.

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### 216.5 Parking (Signs) Exception 1

Where a total of 4 or fewer parking spaces, including accessible parking spaces, are provided on a site, **identification** of accessible parking spaces is not be required.



*Example:  
Small drive through restaurants often only have employee parking spaces.*

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### 209 Passenger Loading Zones



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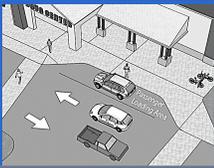
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## 209 Passenger Loading Zones



Types of Passenger Loading Zones that comply with 503	
209.2.1 "Where Provided" Passenger Loading Zones	209.3 Medical Care and Long-Term Care Facilities
209.4 Valet Parking	209.5 Mechanical Access Garages
Types of Passenger Loading Zones that comply with 810.2	
209.2.2 Bus-Loading Zones	209.2.3 On-Street Bus Stops

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## 209.2.2 Bus Loading Zones

In bus loading zones restricted to use by designated or specified public transportation vehicles, each bus bay, bus stop, or other area designated for lift or ramp deployment must comply with the bus boarding and alighting area requirements of 810.2.



Designated public transportation





Specified public transportation

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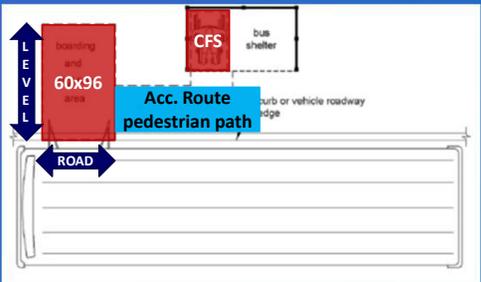
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## 810.2 Bus Boarding & Alighting



Both bus loading zones and on-street bus stops are subject to compliance with 810.2

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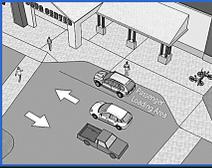
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## 209 Passenger Loading Zones



### Types of Passenger Loading Zones that comply with 503

209.2.1 "Where Provided" Passenger Loading Zones

209.3 Medical Care and Long-Term Care Facilities

209.4 Valet Parking

209.5 Mechanical Access Garages

### Types of Passenger Loading Zones that comply with 810.2

209.2.2 Bus-Loading Zones

209.2.3 On-Street Bus Stops

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## 209.2.1 Passenger Loading Zones

Where loading zones are provided, one accessible passenger loading zone is required for every continuous 100 linear feet of loading zone space.



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## 209.3 Medical Care and Long-Term Care Facilities

At least one passenger loading zone shall be provided at an accessible entrance to licensed medical care and licensed long-term care facilities where the period of stay exceeds twenty-four hours.



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### 209.5 Mechanical Access Garages

Mechanical access parking garage shall provide at least one passenger loading zone at vehicle drop-off and vehicle pick-up areas.



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### 209.4 Valet Parking

Parking facilities that provide valet parking services shall provide at least one passenger loading zone.



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### TM 2013-20



TM 2013-20 was issued on October 3, 2013 to clarify 208, 209.4, and Valet Parking requirements.

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# 503 Passenger Loading Zones



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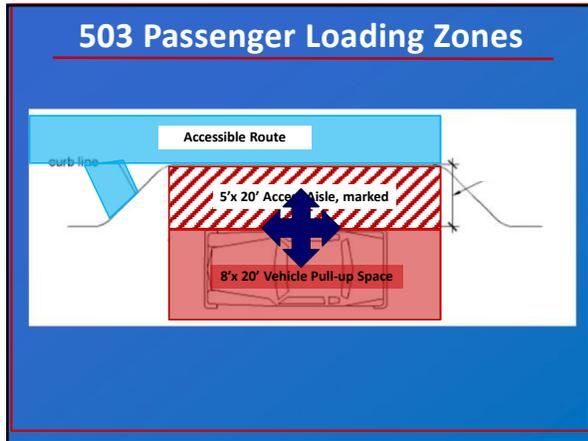
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### 503.5 Vertical Clearance

Vertical clearance of 114" (9'6") minimum must be provided for :

- Vehicle pull-up space
- Access aisle
- Vehicular routes
  - From an entrance
  - To an exit



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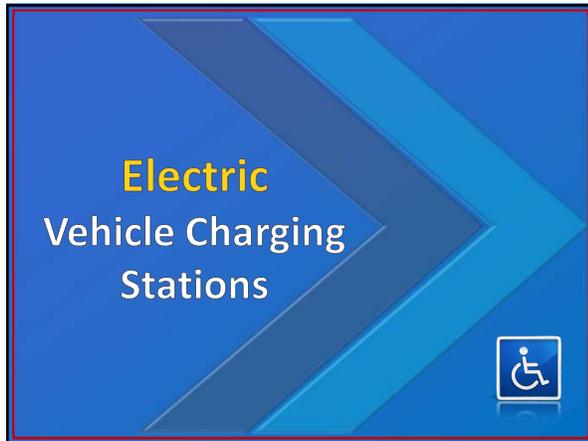
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**TM 2012-1**

TM 2012-01 was issued on March 15, 2012 to address the compliance requirements for electric vehicle charging stations.

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### Excerpt from TM 2012-01

If electric charging stations are provided in new or existing ... locations containing parking spaces, **twenty percent (20%)**, but not less than **one of each type** of charging station **in each cluster** on a site shall meet:

- 216.3, 703.5 Signage
- 308.2 Forward Reach Range
- 309 Operable parts
- 8' wide space with 3' wide aisle
- Marking recommended



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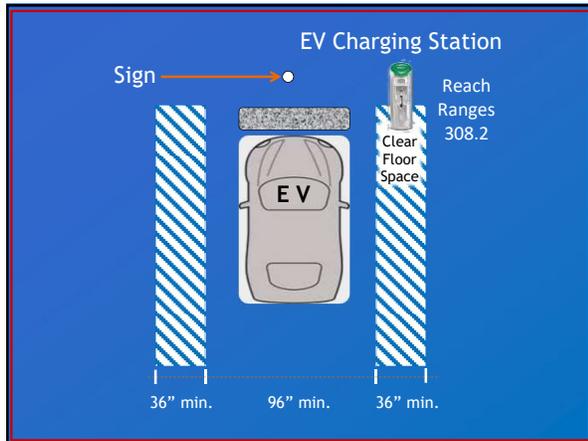
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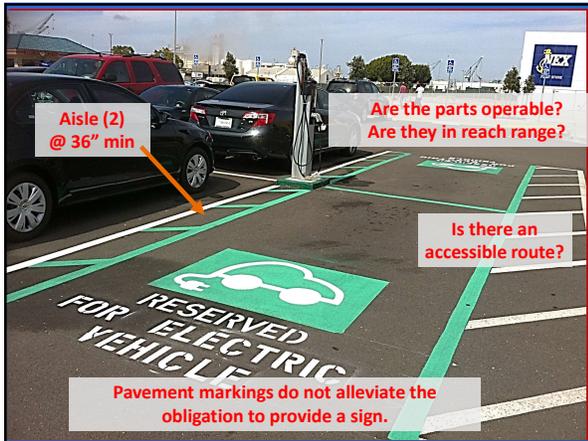
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**Next:**  
**SECTION 7**  
**Lodging**  
**Dining**  
**Assembly**

Go to Section 7

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