Universal Design & Accessibility Scoping

for Buildings & Sites  
(Architectural Barriers Act (ABA) Accessibility Standards)

National Park Service (NPS) - Denver Service Center (DSC) | 10-25-24

Use for facilities, buildings (new and existing), parking and drop-off areas, and sites (walks, ramps, plazas, lawns, etc.). Complete where applicable. For checkboxes, N/A=not applicable.

Park: Click or tap here to enter text.

Project Title: Click or tap here to enter text.

PMIS Number: Click or tap here to enter text.  
  (Project Management Information System)

Prepared By: Click or tap here to enter text.

Date: Click or tap to enter a date.

# Programs and Activities at this Building/Site (existing and proposed)

| Site Programs | Amenities | Building Programs | Interpretive Programs |
| --- | --- | --- | --- |
| Car Parking | Benches/Seating | Visitor Use Building | Information Desk |
| Bus Parking | Restrooms | Historic Building | Brochures/Handouts |
| Recreational Vehicle (RV) Parking | Family Restrooms | Maintenance Building | Audiovisual Programs |
| Employee Parking | Employee Restrooms | Museum | Exhibits |
| Building Entrance | Public Telephones | Theater | Interactive Exhibits |
| Drop-off Area | Drinking Fountains | First Aid/Wellness Room | Large Scale Map |
| Alternate Transportation | Vending Machines | Information Desk | Tactile Map |
| Bus/Shuttle Stop | Concessions-Food | Visitor Lodging | Guided Tours |
| Service Area | Concessions-Ticketing | Employee Housing | Educational Programs |
| Walks | Gift Shop | Conference Rooms | Museum Objects |
| Shelters | Bookstore | Office Space | Waysides |
| Seating/Gathering Space | Trash/Recycling | Kitchen/Break Room | Special Events |
| Cultural Landscape | Bicycle Racks/Rental | Elevator | Self-Guided Walks |
| Other: | Other: | Other: | Other: |
| Other: | Other: | Other: | Other: |
| Other: | Other: | Other: | Other: |
| Other: | Other: | Other: | Other: |
| Other: | Other: | Other: | Other: |
| Other: | Other: | Other: | Other: |

# Universal Design

The design of products and environments to be usable by all people, to the greatest extent possible, without the need for adaptation or specialized design. A human-centered design with all users in mind.

## [The Principles of Universal Design](https://design.ncsu.edu/wp-content/uploads/2022/11/principles-of-universal-design.pdf) (North Carolina State University (NCSU) > [Center for Universal Design](https://design.ncsu.edu/research/center-for-universal-design/)) - Utilize throughout the design process to provide a facility usable by all.

1. Yes No N/A **Principle 1: Equitable Use**  
   The design is useful and marketable to people with diverse abilities. Is the same means of use provided for all users, identical whenever possible, equivalent when not?
2. Yes No N/A **Principle 2: Flexibility in Use**  
   Does the design accommodate a wide range of individual preferences and abilities? Is a choice of method provided?
3. Yes No N/A **Principle 3: Simple and Intuitive Use**  
   Use of the design is easy to understand, regardless of the user’s experience, knowledge, language skills, or current concentration level.
4. Yes No N/A **Principle 4: Perceptible Information**  
   Does the design communicate necessary information effectively to the user, regardless of ambient conditions or the user's sensory abilities?
5. Yes No N/A **Principle 5: Tolerance for Error**  
   Is there a tolerance for error? Does the design minimize hazards and adverse consequences of accidental or unintended actions?
6. Yes No N/A **Principle 6: Low Physical Effort**  
   Does the design require low physical effort? Can the design be used efficiently and comfortably and with a minimum of fatigue?
7. Yes No N/A **Principle 7: Size and Space for Approach and Use**  
   Is there appropriate size and space provided for approach, reach, manipulation, and use regardless of user's body size, posture, or mobility? Is there adequate space provided for using assistive devices or personal assistance?

## DSC Universal Design Best Practice Requirements

\*If requirement cannot be met, describe reason for departure and accommodations provided.

1. Yes No\* N/A **Integrated Pedestrian Routes**  
   Project is designed for all users to follow the same routes through the facility and site. Describe any departure:  
   Click or tap here to enter text.
2. Yes No\* N/A **Level Entrance**  
   Project is designed with no steps at primary entrances (visitor and employee). Staired secondary routes can be included on sloped sites. Describe any departure:  
   Click or tap here to enter text.

1. Yes No\* N/A **Covered Entry**  
   Project provides a covered entry and roof drains away from entry walk and entrance. Describe any departure:  
   Click or tap here to enter text.
2. Yes No\* N/A **Closed-in Parking and Drop-off**  
   Distance from drop-off and closest accessible parking space (car and RV/Bus) to accessible entrance of facility is 200 feet or less. Describe any departure:  
   Click or tap here to enter text.
3. Yes No\* N/A **Power Assist Entrance Doors**  
   Visitor use buildings provide power assist door openers on main accessible entrances. Describe any departure:  
   Click or tap here to enter text.
4. Yes No\* N/A **Accessibility Plans**  
   Provide accessibility plans to identify project universal design and accessibility goals. Include site plan with accessible parking and accessible routes with slope requirements; floorplans with accessible features, accessible routes, turning space, maneuvering space and reach ranges shown.  
   Click or tap here to enter text.

# [ABA Accessibility Standards](https://www.access-board.gov/aba/) - Chapter 2 Scoping Requirements

## [F202 Existing Buildings and Facilities](https://www.access-board.gov/aba/#aba-f202)

Renovations and additions including historic facilities.

* 1. Yes No N/A [F202.2.1 Accessible Route](https://www.access-board.gov/aba/#aba-f202_2_1)
  2. Yes No N/A [F202.2.3 Toilet and Bathing Facilities](https://www.access-board.gov/aba/#aba-f202_2_3)
  3. Yes No N/A [F202.3.1 Prohibited Reduction in Access](https://www.access-board.gov/aba/#aba-f202_3_1)
  4. Yes No N/A **Entrances to Existing Facilities**  
     If project is a historic building, is the accessible route the same as the general public route? If not, does the accessible route rejoin the general route quickly and intuitively?
  5. Yes No N/A **Exception**  
     The only exceptions used for qualified historic buildings and facilities are 1 accessible route to 1 accessible entrance (instead of standard 60% of entrances), at least 1 accessible floor in a multi-story building, and no less than 1 toilet room for each sex complying with [603](https://www.access-board.gov/aba/#aba-603) or 1 unisex toilet room.
  6. Yes No N/A **State Historic Preservation Officer (SHPO) Concurrence**  
     If any of these exceptions are taken, is there a concurrence memo from the SHPO? [F202.5](https://www.access-board.gov/aba/#aba-f202_5) - These exceptions apply only when the State Historic Preservation Officer agrees that compliance with requirements for the specific element would threaten or destroy the historic significance of the building or facility.

## [F203 General Exceptions](https://www.access-board.gov/aba/#aba-f203)

Facility spaces not required to comply with ABA Accessibility Standards requirements. A project element meets 1 of the following exceptions.

* 1. Yes No N/A [F203.4 Raised Areas](https://www.access-board.gov/aba/#aba-f203_4)
  2. Yes No N/A [F203.5 Limited Access Spaces](https://www.access-board.gov/aba/#aba-f203_5)
  3. Yes No N/A [F203.6 Machinery Spaces](https://www.access-board.gov/aba/#aba-f203_6)
  4. Yes No N/A [F203.7 Single Occupant Structures](https://www.access-board.gov/aba/#aba-f203_7)

## [F205 Operable Parts](https://www.access-board.gov/aba/#aba-f205)

* 1. Yes No N/A **Hardware**  
     Door, window, restroom and furnishing hardware, levers, knobs, openers, etc., can be operated with 1 hand and do not require tight grasping, pinching, or twisting of the wrist; are designed between 15 inches minimum and 48 inches maximum above the finished floor. The force required to operate hardware is 5 pounds maximum.
  2. Yes No N/A **Operable Parts**  
     Light switches, electrical outlets, appliance controls, window blind controls, etc., are designed between 15 inches minimum and 48 inches maximum above the finished floor. The force required to activate operable parts is 5 pounds maximum.

## [F206 Accessible Routes](https://www.access-board.gov/aba/#aba-f206)

* 1. Yes No N/A [F206.2.2 Within a Site](https://www.access-board.gov/aba/#aba-f206_2_2)
  2. Yes No N/A [F206.2.3 Multi-Story Buildings and Facilities](https://www.access-board.gov/aba/#aba-f206_2_3)
  3. Yes No N/A F206.2.3 > Exception 1
  4. Yes No N/A F206.2.3 > Exception 6
  5. Yes No N/A [F206.3 Location](https://www.access-board.gov/aba/#aba-f206_3)
  6. Yes No N/A [F206.4 Entrances](https://www.access-board.gov/aba/#aba-f206_4)

## [F206.5 Doors, Doorways and Gates](https://www.access-board.gov/aba/#aba-f206_5)

* 1. Yes No N/A **Clear Floor Space on Both Sides of Accessible Doors**  
     Accessible doors are designed to have adequate clear floor space meeting **Figure 404.2.4.1** in section [404.2.4.1 Swinging Doors and Gates](https://www.access-board.gov/aba/#aba-404_2_4_1).
  2. Yes No N/A [F206.5.1 Entrances](https://www.access-board.gov/aba/#aba-f206_5_1)
  3. Yes No N/A [F206.5.2 Rooms and Spaces](https://www.access-board.gov/aba/#aba-f206_5_2)

## [F207 Accessible Means of Egress](https://www.access-board.gov/aba/#aba-f207)

* 1. Yes No N/A [F207.1 General](https://www.access-board.gov/aba/#aba-f207_1)  
     The accessible egress route is shown on code plan.
  2. Yes No N/A **Areas of Refuge**  
     This project includes areas of refuge complying with International Building Code (IBC) that serve as a part of the accessible means of egress. The accessible egress route is shown on code plan.
  3. Yes No N/A [F207.2 Platform Lifts](https://www.access-board.gov/aba/#aba-f207_2)

## [F208 Parking Spaces](https://www.access-board.gov/aba/" \l "aba-f208)

Newly constructed parking facilities shall provide accessible parking spaces in accordance with Table F208.2. Where a parking facility provides separate types of parking spaces (car, recreational vehicle, bus, drop- off/unloading, etc.), Table F208.2 shall apply to each separate type of parking space provided.

**Parking Spaces:** Refer to **Table F208.2** under [F208.2 Minimum Number](https://www.access-board.gov/aba/#aba-f208_2).

Total number of parking spaces provided: Click or tap here to enter text.

Number of accessible parking spaces provided (including van spaces): Click or tap here to enter text.

Number of van accessible parking spaces provided: Click or tap here to enter text.

Number of RV/bus accessible parking spaces provided: Click or tap here to enter text.

* 1. Yes No N/A [F208.2 Minimum Number](https://www.access-board.gov/aba/#aba-f208_2)
  2. Yes No N/A [F208.2.4 Van Parking Spaces](https://www.access-board.gov/aba/#aba-f208_2_4)
  3. Yes No N/A [F208.3 Location](https://www.access-board.gov/aba/#aba-f208_3)
  4. Yes No N/A **Oversized Vehicle Location**  
     Accessible oversized parking spaces for recreational vehicles (RVs) and buses are located on the shortest accessible route from the oversized vehicle parking facility to an accessible entrance. Accessible spaces are 200 feet or less from entrance.
  5. Yes No N/A **Employee Parking Location**  
     Accessible employee parking spaces are located on the shortest accessible route from the employee parking area to an accessible employee entrance. Accessible spaces are 200 feet or less from entrance.
  6. Yes No N/A **Dispersed Locations**  
     Where parking serves more than 1 accessible entrance or program, accessible parking spaces are dispersed and located on the shortest accessible route (200 feet or less) to the accessible entrances or program.

## [F209 Passenger Loading Zones and Bus Stops](https://www.access-board.gov/aba/" \l "aba-f209)

* 1. Yes No N/A [503 Passenger Loading Zones](https://www.access-board.gov/aba/#aba-503)

## [F211 Drinking Fountains](https://www.access-board.gov/aba/#aba-f211)

* 1. Yes No N/A [F211.2 Minimum Number](https://www.access-board.gov/aba/#aba-f211_2)

## [F213 Toilet Facilities and Bathing Facilities](https://www.access-board.gov/aba/#aba-f213)

* 1. Yes No N/A [F213.3.1 Toilet Compartments](https://www.access-board.gov/aba/#aba-f213_3_1)
  2. Yes No N/A **1109.2.1 (IBC) Unisex toilet rooms**  
     In assembly and mercantile occupancies, an accessible unisex toilet room is provided where an aggregate of 6 or more male and female water closets is required.
  3. Yes No N/A [F213.3.3 Urinals](https://www.access-board.gov/aba/#aba-f213_3_3)
  4. Yes No N/A [F213.3.4 Lavatories](https://www.access-board.gov/aba/#aba-f213_3_4)
  5. Yes No N/A [F213.3.5 Mirrors](https://www.access-board.gov/aba/#aba-f213_3_5)
  6. Yes No N/A [F213.3.6 Bathing Facilities](https://www.access-board.gov/aba/#aba-f213_3_6)
  7. Yes No N/A [F213.3.7 Coat Hooks and Shelves](https://www.access-board.gov/aba/#aba-f213_3_7)

## [F215 Fire Alarm Systems](https://www.access-board.gov/aba/#aba-f215)

* 1. Yes No N/A [F215.2 Public and Common Use Areas](https://www.access-board.gov/aba/#aba-f215_2)
  2. Yes No N/A [F215.3 Employee Work Areas](https://www.access-board.gov/aba/#aba-f215_3)
  3. Yes No N/A [F215.4 Transient Lodging](https://www.access-board.gov/aba/#aba-f215_4)
  4. Yes No N/A [F215.5 Residential Dwelling Units](https://www.access-board.gov/aba/#aba-f215_5)

## [F216 Signs](https://www.access-board.gov/aba/#aba-f216)

* 1. Yes No N/A [F216.2 Designations](https://www.access-board.gov/aba/#aba-f216_2)
  2. Yes No N/A [F216.4 Means of Egress](https://www.access-board.gov/aba/#aba-f216_4)
  3. Yes No N/A [F216.4.1 Exit Doors](https://www.access-board.gov/aba/#aba-f216_4_1)
  4. Yes No N/A [F216.4.2 Areas of Refuge](https://www.access-board.gov/aba/#aba-f216_4_2)
  5. Yes No N/A [F216.4.3 Directional Signs](https://www.access-board.gov/aba/#aba-f216_4_3)
  6. Yes No N/A [F216.5 Parking](https://www.access-board.gov/aba/#aba-f216_5)
  7. Yes No N/A F216.5 Parking > Exception 1
  8. Yes No N/A [F216.6 Entrances](https://www.access-board.gov/aba/#aba-f216_6)
  9. Yes No N/A [F216.10 Assistive Listening Systems](https://www.access-board.gov/aba/#aba-f216_10)

## [F219 Assistive Listening Systems](https://www.access-board.gov/aba/#aba-f219)

* 1. Yes No N/A [F219.2 Required Systems](https://www.access-board.gov/aba/#aba-f219_2)
  2. Yes No N/A [F219.3 Receivers](https://www.access-board.gov/aba/#aba-f219_3)

## [F221 Assembly Areas](https://www.access-board.gov/aba/" \l "aba-f221) and Outdoor Seating Areas

**Number of Wheelchair Spaces in Assembly Areas:** Refer to **Table F221.2.1.1** under [F221.2.1.1 General Seating](https://www.access-board.gov/aba/#aba-f221_2_1_1).

Number of seats in assembly area (theater or seating area, bench length/24 inches): Click or tap here to enter text.

Minimum number of required wheelchair spaces in aseembly area: Click or tap here to enter text.

Number of seats in exterior seating area: Click or tap here to enter text.

Minimum number of required wheelchair spaces in exterior seating area: Click or tap here to enter text.

* 1. Yes No N/A [F221.1 General](https://www.access-board.gov/aba/#aba-f221_1)
  2. Yes No N/A [F221.2.1 Number and Location](https://www.access-board.gov/aba/#aba-f221_2_1)
  3. Yes No N/A [F221.2.2 Integration](https://www.access-board.gov/aba/#aba-f221_2_2)
  4. Yes No N/A [F221.2.3 Lines of Sight and Dispersion](https://www.access-board.gov/aba/#aba-f221_2_3)
  5. Yes No N/A [F221.2.3.1 Horizontal Dispersion](https://www.access-board.gov/aba/#aba-f221_2_3_1)

[F221.2.3.2 Vertical Dispersion](https://www.access-board.gov/aba/#aba-f221_2_3_2)

* 1. Yes No N/A [F221.3 Companion Seats](https://www.access-board.gov/aba/#aba-f221_3)
  2. Yes No N/A [F221.4 Designated Aisle Seats](https://www.access-board.gov/aba/#aba-f221_4)
  3. Yes No N/A [F221.5 Lawn Seating](https://www.access-board.gov/aba/#aba-f221_5)
  4. Yes No N/A Exterior Seating Areas  
     Site seating areas accommodating 4 or more persons (2 benches or more) provide integrated wheelchair seating.

## [F226 Dining Surfaces and Work Surfaces](https://www.access-board.gov/aba/" \l "aba-f226)

* 1. Yes No N/A [F226.1 General](https://www.access-board.gov/aba/#aba-f226_1)
  2. Yes No N/A [F226.2 Dispersion](https://www.access-board.gov/aba/#aba-f226_2)

## [F229 Windows](https://www.access-board.gov/aba/#aba-f229)

* 1. Yes No N/A [F229.1 General](https://www.access-board.gov/aba/#aba-f229_1)
  2. Yes No N/A **Window Coverings**  
     Window coverings, blinds, etc. provided in accessible rooms or spaces are designed to be operable at accessible reach ranges ([308](https://www.access-board.gov/aba/#aba-308)) less than 48 inches above floor, allow adequate clear floor space for operation and comply with [309](https://www.access-board.gov/aba/#aba-309).

## Notes

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