



## AED Placement Guidelines

### AEDs PROTECTING LARGE AREAS

- For coverage of large open areas (schools, universities, business complexes) consider mechanized delivery (golf cart, vehicle, Segway).
- Using portable radios to request an AED to be brought to the patient's side enables a more efficient use of time.

### AEDs INSIDE OF A STRUCTURE

Your AED program goal is to have an AED at the patient's side within 3 minutes, and a shock delivered within no more than 5 minutes.

- Place in a high traffic location.
- Place in a highly visible location.
- Consider if the AED cabinet's alarm will be centrally monitored.
- Consider the demographics of the workforce.
- Consider the demographics of the visitors.
- Consider and avoid structural obstacles if possible (add more AEDs to your program if these hinder AED deployment):
  - Elevators
  - Stairs
  - Escalators
  - Key/Pass card protected areas
  - Limited access security areas
  - Isolated/Difficult to access areas
- Consider specialty areas with high probability or high risk such as:
  - Exercise Facility
  - Energized Electrical Areas
  - Concentration of 50+ year olds
  - Over 10,000 populous at intervals
- Select a location that will be freely accessible at any hour when the building will be occupied.
- Select a location that will minimize tampering or theft.
- If at all possible place near a wall phone or radio system.
- Do not mount in a required fire exit corridor/circulation path if not recessed into the wall.

### AED ENCLOSURES

- If security or protection of the device is NOT a concern, a "wall sleeve" would be recommended.
- If you desire to have an alarm/strobe alerting system, or if you wish to protect from light, dust or moisture, a wall cabinet would be recommended.
- Ensure the AED is visible.
- Utilize wall signage if at all possible to increase location identification.

### AED CABINET INSTALLATION

Reference for this section is the 2010 ADA Standards for Accessible Design, Section 308 unless otherwise noted (see reverse for detailed descriptions). These national standards are subject to change by authorities having jurisdiction. ADA requirements are constantly evolving through ongoing legislative and judicial actions.

### AED CABINET HEIGHT

#### Forward Reach

- The maximum height of the cabinet handle (and thus the AED handle) is 48 inches AFF, minimum height is 15 inches.
- When reaching forward over an obstruction, the clear floor space shall extend beneath the element for a distance not less than the required reach depth over the obstruction. The high forward reach shall be 48 inches maximum where the reach depth is 20 inches maximum. Where the reach depth exceeds 20 inches, the high forward reach shall be 44 inches maximum and the reach depth shall be 25 inches maximum.

#### Parallel or Side Reach

- Where the side reach is unobstructed, maximum height of the cabinet handle AND the AED handle is 48 inches, and 15 inches minimum above the finish floor or ground.
- An obstruction shall be permitted between the clear floor or ground space and the element where the depth of the obstruction is 10 inches maximum.

### AED CABINET PROTRUSION

In a circulation path (walks, hallways, ramps, stairways, landings, courtyards)

- If the mounting location is in a circulation path and the leading edge is between 27" and 80" AFF (48" in above section), it shall protrude no more than 4" maximum horizontally into the circulation path (sections 204 and 307.2)
- If mounting 27 to 48 inches, the cabinet must be recessed or semi-recessed into the wall so it will not protrude more than 4 inches.
- If the cabinet has the leading edge below 27 inches, it may protrude any amount as long as it does not violate any exit corridor requirements.

In a room

- If the mounting location is not in a circulation path, it may project any amount from the wall.

**2010 ADA Standards**

**Advisory 308.1 General.** The following table provides guidance on reach ranges for children according to age where building elements such as coat hooks, lockers, or operable parts are designed for use primarily by children. These dimensions apply to either forward or side reaches. Accessible elements and operable parts designed for adult use or children over age 12 can be located outside these ranges but must be within the adult reach ranges required by 308.

Children's Reach Ranges			
Forward or Side Reach	Ages 3 and 4	Ages 5 through 8	Ages 9 through 12
High (maximum)	36 in (915 mm)	40 in (1015 mm)	44 in (1120 mm)
Low (minimum)	20 in (510 mm)	18 in (455 mm)	16 in (405 mm)

**308.2 Forward Reach**

**308.2.1 Unobstructed.** Where a forward reach is unobstructed, the high forward reach shall be 48 inches (1220 mm) maximum and the low forward reach shall be 15 inches (380 mm) minimum above the finish floor or ground.

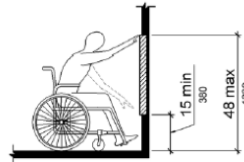


Figure 308.2.1 Unobstructed Forward Reach

**308.2.2 Obstructed High Reach.** Where a high front forward reach is over an obstruction, the clear floor space shall extend beneath the element for a distance not less than the required reach depth for the obstructions. The high forward reach shall be 49 inches (1220 mm) maximum where the reach depth is 20 inches (510 mm) maximum. Where the reach depth exceeds 20 inches (510 mm), the high forward reach shall be 44 inches (1220 mm) maximum and the reach depth shall be 25 inches (635 mm) maximum.

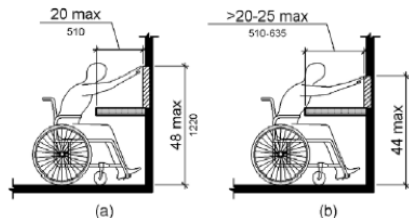


Figure 308.2.2 Obstructed High Forward Reach

**308.3 Side Reach**

**308.3.1 Unobstructed.** Where a clear floor or ground space allows a parallel approach to an element and the side reach is unobstructed, the high side reach shall be 48 inches (1220 mm) maximum and the low side reach shall be 15 inches (380 mm) minimum above the finish floor or ground.

**Exceptions:**

1. An obstruction shall be permitted between the clear floor or ground space and the element where the depth of the obstruction is 10 inches (255 mm) maximum.
2. Operable parts of fuel dispensers shall be permitted to be 54 inches (1370 mm) maximum measured from the surface of the vehicular way where fuel dispensers are installed on existing curbs.

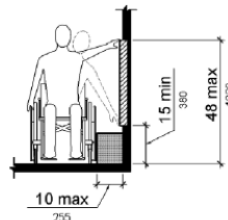


Figure 308.3.1 Unobstructed Side Reach

**308.3.2 Obstructed High Reach.** Where a clear floor or ground space allows a parallel approach to an element and the side reach is over an obstruction, the height of the obstruction shall be 34 inches (865 mm) maximum and the depth of the obstruction shall be 24 inches (610 mm) maximum. The high side reach shall be 48 inches (1220 mm) maximum for a reach depth of 10 inches (255 mm) maximum. Where the reach depth exceeds 10 inches (255 mm), the high side reach shall be 46 inches (1170 mm) maximum for a reach depth of 24 inches (610 mm) maximum.

**Exceptions:**

1. The top of washing machines and clothes dryers shall be permitted to be 36 inches (915 mm) maximum above the finish floor.
2. Operable parts of fuel dispensers shall be permitted to be 54 inches (1370 mm) maximum measured from the surface of the vehicular way where fuel dispensers are installed on existing curbs.

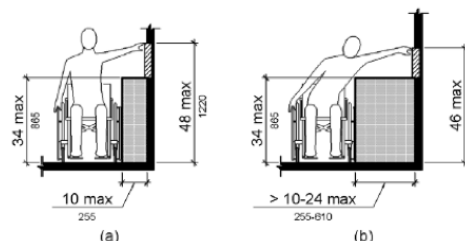


Figure 308.3.2 Obstructed High Side Reach