

Appendix C: Facilities Services - AED Placement Guidelines

All AED purchases must be coordinated through EHSRM to ensure compliance with California Health & Safety Code requirements, UC policy, and UCR's medical director's oversight. AED units not ordered through this process cannot be included in UCR's AED Program, will not be covered under the medical director's standing order, and will not receive maintenance, inspection, or replacement services from EHSRM.

The AED must be located in an area accessible to all employees in an unlocked cabinet. Starting in July 2025 all AED cabinets on campus shall be alarmed in such a way that the alarm goes off when the cabinet is opened and stops when the cabinet is closed. The AED cabinets will have to utilize the 9-volt standard for the alarm system.

AED alarm systems are not required for devices within the Chancellor's residence, and portable units. Portable units include but are not limited to the ones used by the UCR University of California Police Department (UCPD), athletics, and remote research sites.

The AED shall be installed at a central point relative to the building's population. Ideally, the AED is installed in a high traffic area.

- One AED shall be placed at the main entrance; This ensures that the AED is easily accessible to anyone entering or exiting the building and is positioned in a central and commonly known location, making it more likely to be found and used quickly in an emergency.
- The AED will have electrodes already connected and be configured in a way to be used immediately. The AED shall also have a spare set of electrodes either in the cabinet or under the lid.
- The wall cabinet housing an AED must not protrude more than 4 inches from the wall into walkways, corridors, passageways, or aisles.
- The AED must be clearly visible and unobstructed.
- The AED must include use and reporting instructions.

To ensure compliance with applicable laws and regulations, including the Americans with Disabilities Act (ADA), the UCR campus must abide by the following requirements regarding the installation and placement of the AED unit:

C.1 AED Cabinet Installation

Per 2010 Americans with Disabilities Act (ADA) standards for Accessible Design, Section 308 unless otherwise noted (see section 2010 ADA standards for detailed description).

These national standards are subject to change by authorities having jurisdiction. ADA requirements are constantly evolving through ongoing legislative and judicial actions.

C.2 AED Cabinet Height

Forward Reach

The requirements specify that the cabinet handle, and consequently the AED handle, shall have a maximum height of 48 inches above finished floor (AFF), with a minimum height of 15 inches AFF. When reaching forward over an obstruction, the clear floor space shall extend beneath the element for distance equal to or greater than the required reach depth over the obstruction. For a high forward reach where the reach depth is 20 inches maximum, the maximum height shall be 48 inches. However, if the reach depth exceeds 20 inches, the high forward reach shall not exceed 44 inches, and the reach depth shall be limited to 25 inches.

Parallel or Side Reach

Where the side reach is unobstructed, both the cabinet handle AND the AED handle shall not exceed 48 inches in height above the finished floor or ground, with a minimum height of 15 inches. An obstruction is permissible between the clear floor or ground space and the element if the depth of the obstruction does not exceed 10 inches.

C.3 AED Cabinet Protrusion

Per [2010 ADA Standards for Accessible Design](#) requires any wall-mounted cabinet that protrudes more than 4 inches shall have the bottom corner no higher than 27 inches from the floor in a walkway.

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 (section 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.

C.4 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 floor or ground.

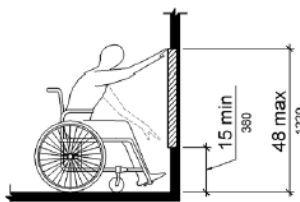


Figure 308.2.1 Unobstructed Forward Reach

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 (1120 mm) maximum and the reach depth shall be 25 inches (635 mm) maximum.

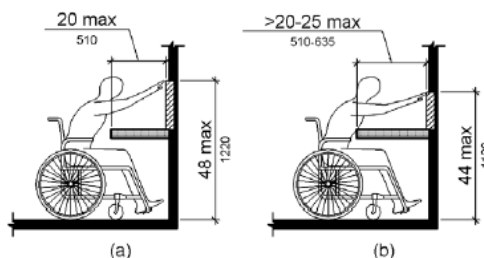


Figure 308.2.2 Obstructed High Forward Reach

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.

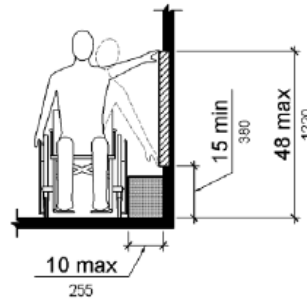


Figure 308.3.1 Unobstructed Side Reach

C.5 AED Cubix Cabinet Dimensions and Specifications

The Cubix CB2-S and FR-S are two types of AED cabinets utilized on campus. The Semi-Recessed AED cabinet is also an approved AED wall storage cabinet appropriate for the campus. The AED Cabinets must be installed following Americans with Disabilities Act (ADA) standards.

The height to reach the handle of an automated external defibrillator (AED) in a public gathering place shall be no more than 48 inches high. ADA guidelines specify maximum reach ranges for health equipment such as AEDs and other life safety devices. For safety equipment with an unobstructed approach, the maximum forward reach to the equipment is 48 inches above the floor. The maximum side reach for an unobstructed approach to an AED is 54 inches. For more information regarding ADA standards review and reference Appendix C.

Standard AED Wall Storage Cabinet



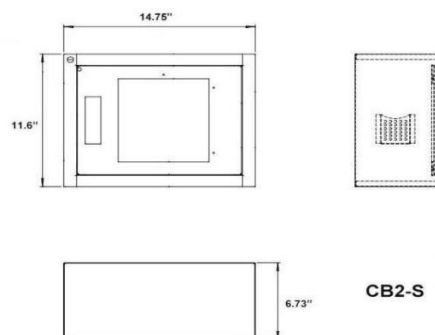
Product Code: CB2-S

Price of one (1) CB2-S Cabinet: \$135.15

Interior Dimensions					Exterior Dimensions			
Standard Cabinets	Height	Length	Depth		Height	Length	Depth	Weight
Small	11 1/8"	14 1/4"	6 1/2"		11 5/8"	14 3/4"	6 3/4"	7.5 lbs.
	Packaging Dimensions (1 unit)				Palletized Dimensions (60 units)			
Standard Cabinets	Height	Length	Depth	Weight	Height	Length	Depth	Weight
Small	14"	17 1/2"	10"	10 lbs.	88"	40"	48"	670 lbs.

Components included:

- Standard AED Wall Storage Cabinet
 - 0.8mm cold rolled steel
- Textured powder coating finish
- Recessed hinges
- Magnetic Door
- Keyed alarm system
- Set of two keys
- 80-120 dB local alarm
 - 9V battery
- Mounting Hardware
 - Screws (4)
 - Wall Anchors (4)
 - Washers (4)



This cabinet is designed to hold Philips, Heartsine, and Defibtech AEDs.

Product Code: FR-S

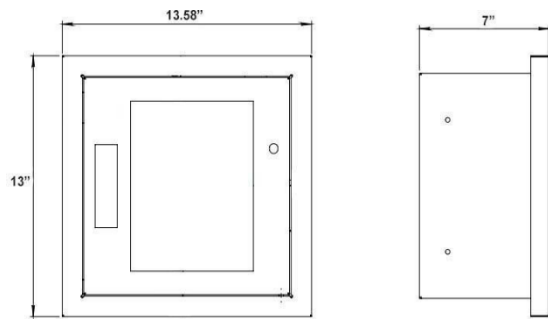
Price of one (1) CB2-S Cabinet: \$152.15



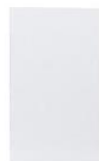
Interior/Rough Wall Dimensions					Exterior Dimensions			
Recessed Cabinets	Height	Length	Depth		Height	Length	Depth	Weight
Small	12"	12"	6 ¼"		13 ½"	13"	1"	9 lbs.
	Packaging Dimensions (1 unit)				Palletized Dimensions (40 units)			
Recessed Cabinets	Height	Length	Depth	Weight	Height	Length	Depth	Weight
Small	15"	16"	9"	11 lbs.	84"	42"	42"	620 lbs.

Components included:

- Fully Recessed AED Wall Storage Cabinet
 - 0.8mm cold rolled steel
 - Textured powder coating finish
 - Recessed hinges
 - Magnetic door
- Keyed alarm system
 - Set of two keys
 - 80-120 dB local alarm
 - 9V battery
- Mounting Hardware
 - Screws (4)
 - Wall Anchors (4)
 - Washers (4)



Fully Recessed-S



This cabinet is designed to hold Philips, Heartsine, and Defibtech AEDs.



Semi-Recessed AED Wall Storage Cabinet

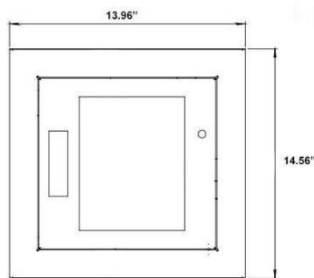
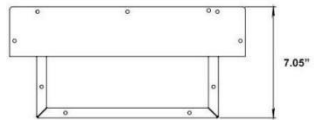
Product Code: SR-S

Price of one (1) SR-S Cabinet: \$169.15

Interior/Rough Wall Dimensions					Exterior Dimensions			
Recessed Cabinets	Height	Length	Depth		Height	Length	Depth	Weight
Large	12"	12"	6 ¾" / 4"		14 ½"	14"	3 ⅛"	9 lbs.
Packaging Dimensions (1 unit)					Palletized Dimensions (40 units)			
Recessed Cabinets	Height	Length	Depth	Weight	Height	Length	Depth	Weight
Large	17"	17"	10"	11 lbs.	88"	48"	40"	750 lbs.

Components included:

- Semi-Recessed AED Wall Storage Cabinet
 - 0.8mm cold rolled steel
 - Textured powder coating finish
 - Recessed hinges
 - Magnetic door
- Keyed alarm system
 - Set of two keys
 - 80-120 dB local alarm
 - 9V battery
- Mounting Hardware
 - Screws (4)
 - Wall Anchors (4)
 - Washers (4)



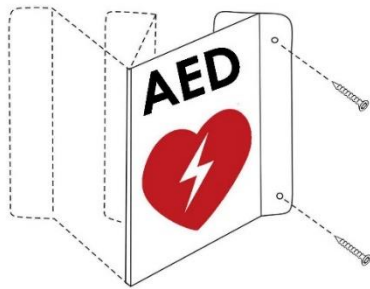
SR-S



This cabinet is designed to hold Philips, Heartsine, and Defibtech AEDs.

C.6 Signage

AED devices shall have signage at the building exterior, at the main entry door, indicating the location in the building. The sign shall include the international symbol for the AED and the text, “AED, Automatic External Defibrillator INSIDE” this part of the sign shall be 5 inches wide by 3 inches tall.



Transforming AED Wall Sign

- Change the sign shape to fit the space by choosing one of three different mounting options
- Adhesive pads included for fast and easy mounting
- Drywall anchors and mounting screws not included

