

Accessibility Standards

The ASU Accessibility Standards provide additional requirements that supplement the Americans with Disabilities Act Standards. The following Standards shall be considered for all new renovations, remodels, and new construction. Current local, state, and federal accessibility codes apply (ADA/ANSI/IBC).

- A. Accessible Routes (including construction and landscape) – ASU Requirement.
 - 1. Construction Site
 - a. Fencing shall enclose all construction areas. Warning tape is not acceptable as the blind and visually impaired are unable to see the tape.
 - b. Ramps to sidewalks or buildings shall not be blocked by vehicles or equipment.
 - 2. Decomposed granite shall not be used on main pathways. Wheelchairs users find this difficult to travel on and it is expensive to maintain.
 - 3. Emergency Blue Light
 - a. The maximum height to operable parts of the emergency blue light shall be measured from the surface of the accessible clear floor space.
 - b. Locate Blue light adjacent to sidewalk. An accessible clear floor space of 30"x48" shall be provided.
- B. Elevators – ASU Requirement
 - 1. Per ASU Project Standards, a minimum of two (2) elevators are required for any building over one story.
- C. Automatic Door Openers – ASU Requirement
 - 1. Automatic Door Openers are required on accessible exterior entry doors, restrooms, unisex restrooms, designated accessible dorm rooms and classrooms/labs with exterior entrances.
 - a. A 4 ½" square push pad or 6 ¼" round brushed stainless steel push pad is acceptable.
 - b. Door opener pads shall be 31-33" on center, above finished floor.
 - c. Push pads shall be located 24" from latch side of the door if space permits or on a 4" steel post at exterior doors, as approved by ASU-CPMG.
 - d. Openers shall still be activated for exiting purposes, even after regular business hours.
- D. Rest Rooms and Shower Rooms – ASU Requirement
 - 1. Accessible Water Closets
 - a. Provide automatic flush actuators.
 - 2. Accessible Toilet Stalls

- a. Pull handles shall be installed on BOTH sides of accessible stall doors at 36" o.c. height, near the latch.
 3. Accessible Urinals
 - a. Provide automatic flush actuators.
 4. Accessible Lavatories
 - a. Provide automatic faucet actuators at lavatory in Unisex restroom and at least one (1) accessible sink in each public restroom.
 5. Shower Rooms
 - a. Shower stalls are not allowed in Unisex restrooms – ASU liability requirement.
 6. Toilet Rooms
 - a. Serpentine entrances at public restrooms preferred if possible. Eliminates all barriers.
 7. Unisex Restrooms
 - a. For new construction, unisex restrooms are required on each floor.
 - b. For alterations, where it is infeasible to modify existing restrooms to meet ADA requirements, a Unisex restroom may be provided.
 - c. Automatic locking devices with Mag-locks are required in all Unisex restrooms.
 - i. A duress switch must be provided on the device in case of an emergency
 - ii. Timers of Automatic locking devices set to 30 minutes.
 - d. Include at least one accessible floor urinal in each public building.
- E. Provide Universal Changing Places - ASU Requirement
 1. Install a Universal adult-size changing table:
 - a. Include at least one in each new or totally renovated restroom in a public building that:
 - i. Is accessible to both men and women (or installed in both men's and women's restrooms)
 - ii. Is capable of serving both babies and adults
 - a. Suggested table width: 24" minimum
 - b. Suggested table length: 55" minimum
 - iii. Provides sufficient clear floor space parallel to the long side of the table not less than 30" wide and 60" long to comply with the 2010 Americans with Disabilities Act (ADA) standards for accessible design
 - b. That shall be designed to hold at least 350 lbs.
 2. If provided as a fold-down table:
 - a. It shall be installed so that it does not encroach into any accessible clear floor space
 - b. That shall have no operating mechanisms higher than 48"
 3. Provide signage that indicates the changing station's location near the entrance to the changing station; and

4. Indicate the changing station's location in the building directory if such a directory exists.
5. Responsible authority may exempt if;
 - a. The installation would not be feasible;
 - b. or installation would result in failure of the ADA;
 - c. or installation would threaten historic property; or the building is not frequented by the public

Commentary: Universal Changing Places are an indispensable aid to weakened or disabled adults and their caregivers. For adults who manage mobility limitations or incontinence, they provide a safe, sanitary, and comfortable space for assisted changing. For caregivers, they provide a secure and convenient platform that reduces the risk of back strain and other injuries.

- F. Provide accessible adjustable height, exam/ stretching tables in new and renovated health facilities and recreation/ fitness facilities - ASU Requirement
 1. Equipment shall be used supine, prone, or side-lying position
 2. Transfer surfaces shall be adjustable in height measured from the floor to the top of the uncompressed transfer surface and shall provide the following:
 - a. A low transfer position at a height of 17 inches minimum and 19 inches maximum;
 - b. A high transfer position at 25 inches
 - c. At least four (4) additional transfer positions located between the low and high transfer positions and separated by 1-inch minimum.
 3. End transfer surfaces shall be 28 inches wide minimum and 17 inches long minimum.
 4. Side transfer surfaces shall be 28 inches wide minimum and 28 inches long minimum.
 5. Each transfer surface shall provide two unobstructed sides for transfer.

Commentary: Availability of accessible equipment is an important part of providing accessible medical care, Doctors and other providers must ensure that medical equipment is not a barrier to individuals with disabilities.

- G. Provide accessible wheelchair scales in new and renovated health facilities and recreation/ fitness facilities - ASU Requirement.
 1. Portable or permanent scales are acceptable.
 2. 1,000 lb. capacity, minimum.
 3. two-way built-in ramps for accessibility from both sides is preferred.
 4. 36" x 48" minimum platform size. Ramp sides shall be 36" minimum width.

Commentary: Availability of accessible equipment is an important part of providing accessible medical care, Doctors and other providers must ensure that medical equipment is not a barrier to individuals with disabilities.

- H. Residential Accessible Dorm Rooms – ASU Requirement.
 - 1. Locate rooms on the first floor if possible but dispersed through-out the floor so resident will have a choice of location. If the building has an elevator, then accessible rooms shall be on all floors.
 - 2. Window sills shall be no higher than 42” so one in a wheelchair can look out
 - 3. Provide peep hole on door at accessible height (43”) and standing height (60”)
 - 4. Provide Automatic Door Opener with electric strike. There shall be an automatic door opener (blue pad) inside all accessible dorm rooms and a Remote Automatic door opener on the corridor side of the room. This device may be activated with a remote control that the student attaches to her/his wheelchair or has in her/his possession. The 'clicker' must be dual frequency
 - 5. Window covering controls to be extra long so they are accessible (per ADA 308 - Reach Ranges).
 - 6. Additional power outlet(s) shall be located adjacent to the bed for use of recharging power assist devices.

- I. Residential Accessible Bathrooms within Dorm Room – ASU Requirement
 - 1. Private bathrooms to have fully tiled walls and floor.

- J. Shower Stalls in Accessible Dorm rooms – ASU Requirement
 - 1. Roll in shower stall to be a minimum of 30” x 60” clear.
 - 2. Shower curtains are required.
 - 3. Shower doors are prohibited.

- K. Stair/Steps – ASU Recommendation
 - 1. Per ADA 504; Recommendation: Provide visual contrast (light-on-dark or dark-on-light) that is approximately 2 inches wide and located either on nosings or at the leading edges of treads.

- L. Braille directions, tactile guidance on handrails in new facilities – ASU Recommendation
 - 1. Provide directional information along the handrails.
 - 2. Provide braille messages imprinted on the inside of the handrail
 - 3. give identification,
 - 4. direction,
 - 5. and a warning to the user.
 - a. Include audio message when relevant.

Commentary: A system of handrails extends throughout a building with braille messages imprinted on the inside of the handrail to give identification, direction, and a warning to the user. The handrail also includes audio message means operable by a message initiation means that is operable by a visually impaired person. Example:
<https://www.barrierefreiheit.info/en/handrail-signage/>

M. Autism-friendly design in new facilities and renovations – ASU Recommendation

1. Avoid striped wallpaper in primary or high contrasting colors
2. Minimize the use of fluorescent, high-heat tungsten, and halogen lightbulbs. Maximize the use of natural lighting
3. Separate high stimulus areas (e.g. TV room, exercise room) with low-input transition zones to allow for sensory recalibration

Commentary: Include “escape” spaces: spaces that are activity free, calming, low-arousal (consider integrating with existing or future “wellness rooms”) A room that allows modification of sensory inputs such as lighting. Music helps people with autism relax, process the larger environment, and modify behaviors. Sensory rooms should be painted white or soft colors to produce a calming effect. Texture can be introduced for added sensory engagement. The room should have a defined sense of enclosure, to promote feelings of safety and security The room should be designed to be acoustically contained: do not allow outside noises in and prevent noise from within from escaping. Snoezelen Rooms (Dutch for “sniff” and “doze”) are an established sensory room model that can be referenced. Example:
<https://www.snoezelen.info>