



A-22 - ACCESSIBILITY

General

The University of North Carolina at Chapel Hill is committed to making all buildings and areas of the campus physically accessible to all faculty, staff, students, and visitors. A universal design principle that provides the same access to all is encouraged. The Designer is expected to provide a design that will comply with the current versions of the North Carolina State Building Code and the Americans with Disabilities Act Accessibility Guidelines (ADAAG). <http://www.ada.gov/publicat.htm>. The University requires some elements that exceed these codes and standards

Designers Shall Refer to the following Design Guideline Sections for additional information:

B-40 – Site Hardscape

C-01 – Architecture

C-11 – Interior Design Elements

C-30 – Vertical Transportation

Typical Accessibility Concerns in Renovation & New Construction

1. Path of Travel/Curb Cuts/Ramps
 - a. Exterior walkways should not exceed a slope of 1:20 in the direction of travel. If this cannot be achieved because of site topography, then a ramp may be used. Use of ramps should be kept to a minimum. Construction tolerances shall be considered in the design of sloped surfaces to ensure they do not exceed the maximum allowed.
 - b. Curb Cuts shall be concrete contrasting in color to the adjacent walkway and shall have detectable warnings in the lower 2'-0" for the width of the ramp portion. All curb cuts shall be in the direction of travel. Diagonal curb cuts at intersections should not be used.
 - c. Exterior stairs shall be kept to a minimum. They shall be concrete or approved material of contrasting color from the adjacent walkway. A step with a single riser shall not be used. All stairs shall have handrails on both sides.

2. Doors and Hardware
 - a. All lever hardware shall have an end return.
 - b. Automatic door opener shall be hardwired. The location of activators (push plates) and stub outs for the automatic door openers shall be shown and dimensioned on the architectural drawings. Activators shall be mounted 36" above the adjacent grade or floor and be 48" minimum from any portion of the door in the open position. The push plate shall be 4-1/2" diameter minimum. Door activator shall be provided at the following locations:
 - i. Main Entrance doors into the building. Where the building has main entrances on different levels, they shall be provided at each level. These locations shall also be stub out for a proximity reader.
 - ii. Entrance doors into the primary multi-fixture toilet rooms on levels served by the main entrances mentioned above
 - iii. Additional locations may be requested on a project by project basis no later than the Design Development Phase
 - iv. Where vestibules are provided, the opener shall activate the doors on each side of the vestibule. An activator shall be located in the vestibule.
 - c. In addition, stub outs for future automatic door openers (conduit supplied to ceiling above and



to boxes at future activator locations) shall be provided in the following locations:

- i. Entrance doors to all other multi-fixture toilet rooms on all floors
- ii. Entrance doors of common use bathrooms in dormitories, accessible dorm room entrance doors and toilet room doors in an accessible suite

3. Toilet Rooms, Bathrooms and Accessories

- a. Toilet rooms shall not have vestibules.
- b. Toilet rooms with more than 10 fixtures (water closets and urinals) should have a cased opening entrance without doors into the toilet room unless it is off an area where a door is desired (i.e. a waiting, reception or seating area).
- c. Accessible toilet stalls should have a turning space within the stall as defined by the NCBC, (a 60" clear diameter circle).
- d. The accessible paper towel dispenser shall be adjacent to the accessible lavatories.
- e. If only one urinal is provided, it shall be accessible.

Equal Access Toilet Rooms

In new buildings and major building renovations that include toilet rooms at least one Equal Access Toilet Room shall be provided. This shall be a single use toilet room with a lockable door that includes the following features:

1. Compliant with the current ADAAG and NCBC for a single accessible toilet room
2. Signage shall read "Toilet Room" or "Unisex Toilet Room"

Provide diaper changing and lactation areas within these restrooms in buildings such as libraries, museums, performing arts buildings and other location where they are most likely to be in demand. Verify with the Facilities Planning Project Manager if this is to be included in the project. In addition to the above also provide:

1. A fixed built-in diaper changing table / countertop separate from the lavatory.
2. An electrical outlet adjacent to the diaper changing table between 32" and 42" AFF. It shall be out of reach of a child on the table but within 36" of the surface
3. An area for a large chair for nursing mothers
4. Provide signage indicating additional uses
5. Drinking Fountains located along a path of travel should be recessed when possible.
6. Elevators shall be provided with a grab bar on at least one wall of the elevator cab.
7. Platform Wheelchair Lift shall not require a key to operate.
8. Interior and exterior signs identifying permanent rooms and spaces shall have both the name and number in raised letters and Braille that complies with the current accessibility codes.
9. In classrooms and auditoriums where a tablet arm is provided for fixed seating, a fixed table or tablet arm on a pedestal shall be provided at all wheelchair seat locations.
10. Stair handrails shall have a bottom extension that extends 12" plus one tread width from the bottom nosing.