

## I. FEATURES OF ACCESSIBLE PROPERTIES

### A. Accessible Route

UFAS 4.1.2(1) 4.1.1	At least one accessible route shall connect all parts within a facility and to the outside, i.e., parking, sidewalks, and streets
UFAS 4.3	Minimum 36" clearance except at doors
UFAS 4.3.4	If route is less than 60" wide, 60" x 60" passing space minimum every 200'
UFAS 4.3.5	Minimum 80" clearance for headroom
UFAS 4.3.6	Surface should be non-slip, firm and stable
UFAS 4.3.7	Slopes should not exceed 1:20. If slope is greater, apply criteria for ramps and curb ramps (parts 1.C. and 1.D. below)
UFAS 4.3.8	Changes in levels should not exceed .5" or ramp should be curbed

### B. Parking

UFAS 4.1.1	If any visitor parking is provided by HR, at least one space shall be accessible. More may be needed, depending on number of spaces provided
UFAS 4.6.2	Space(s) should be located closest to accessible entrance on an accessible route
UFAS 4.6.3	Space(s) should be minimum 96" wide

UFAS 4.6.3

Width of aisle adjacent to accessible space is minimum 60" wide

UFAS 4.6.3

Slope of space and access aisle maximum of 1:50

UFAS 4.6.4

Signage on space should show access sign



## C. Curb Ramps

- UFAS 4.7.1 Curb ramps should be used wherever an accessible route crosses a curb
- UFAS 4.7.2 Maximum slope 1:12
- UFAS 4.7.3 Minimum width 36"
- UFAS 4.7.5 If curb ramp is used where pedestrians walk or if there are no handrails or guard rails, then curb ramp must have flared sides and maximum slope of flare 1:10

## D. Ramps

- UFAS 4.8.1  
4.3.7 A ramp should be used at any part of an accessible route with a slope greater than 1:20
- UFAS 4.8.2 Slope should be least possible with a maximum of 1:12 except at curb ramps
- UFAS 4.8.5 If ramp rise is more than 6" and run is more than 72", handrails 30" to 34" high extending 1" beyond top and bottom of ramp shall be provided
- UFAS 4.8.7 Ramp must have walls, railing, projecting surfaces, or curbs at least 2" high to prevent slipping off ramp
- UFAS 4.8.4 Provide level landing as wide as ramp and minimum 60" long at top and bottom of ramp and at each turn of ramp

## E. Entrances and Interior Doors

- UFAS 4.1.2  
4.3.2 At least one principle entrance on an accessible route

UFAS 4.13.2	Standard single or double-leaf hinged door
UFAS 4.13.5	Minimum 32" clear opening
UFAS 4.13.9	Maximum height 48" with push/pull type or lever operated

UFAS 4.13.11 Opening force of maximum 8.5 lbf. exterior hinged door or 5 lbf. Interior hinged, sliding, or folding door

UFAS 4.13.8 Thresholds at doorways should be maximum 5" high with leveled edge and maximum slope of 1:2

## F. Toilet Rooms

UFAS 4.1.2(10) If toilet facilities are provided each shall be accessible

UFAS 4.3.2(2) The toilet shall be located on an accessible route

UFAS 4.13.5 Minimum of 32" clear opening at entrance door with lever handle or push/pull type hardware

UFAS 4.13.11(2)(b) The door closer shall be 5 lbf. Maximum effort to open

UFAS 4.16.2 There shall be clear, unobstructed space to allow for wheelchair traffic

UFAS 4.17.3  
Fig. 30 If toilet stalls are provided, at least one meets the requirements of figure 30, and meet the requirements pertaining to water closets

UFAS 4.17.6 Grab bars 33"-36" high should be provided at back and side of water closet. Grab bars should be 1.25" to 1.5" diameter and be 1.5" clear of wall

UFAS 4.16.3 Water closet seat height is 17" - 19"

UFAS 4.16.6 Toilet paper dispenser height is 19" minimum above floor

UFAS 4.19.2 Lavatory maximum height is 34"; drain and hot water pipes shall be insulated. There should exist minimum 29" clearance below apron

UFAS 4.18.2  
4.23.5 If urinals are provided, at least one should be wall mounted with basin opening maximum 17" from floor and 30" x 48" clear floor space provided in front

UFAS 4.27.3 Towel dispenser and disposal unit height should be mounted with operable part 40" maximum from floor

## G. Doors

UFAS 14.3.5 Width of door opening is at least 32" between the face of the door and the stop

UFAS 14.13.6 Provide adequate maneuvering clearance at door

UFAS 14.13.9 Door hardware should be mounted no higher than 48" above the floor

UFAS 14.13.7 If two hinged or pivoted doors are used in a series, the space between the two doors should be minimum 48" plus the width of any door swinging into space

UFAS 14.13.9 Door hardware should be easy to handle, shape that is easy to grasp with one hand and does not require tight grasping, tight pinching, or twisting of the wrist to operate

## H. Elevators

UFAS 4.1.2(5)  
4.3.8

At least one elevator should serve each level on an accessible route in a multi-story facility

UFAS 4.10.1,2

Operation should be automatic and each car should have a self-leveling device

UFAS 4.10.9

Elevator cars shall have minimum side opening of 51" x 68" and minimum front opening of 51" x 80"

UFAS 4.10.3

Hall call buttons shall be lighted and centered at a maximum 42" from floor

UFAS 4.10.12

Car controls shall be no higher than 48" with buttons that are at least  $\frac{3}{4}$ " and marked with raised characters

## II. ACCESSIBLE FEATURES OF UNITS

### Entrance and Inside Circulation

UFAS 4.5.1

Floor surface of the unit should be firm, stable and slip-resistant

UFAS 4.13.5

All doors, including the entrance door, within the unit are accessible. For evaluation of doors, see part 1.G. above

### B. Bathrooms

For specific guidelines not included below, see part 1.F. above.

UFAS 3.23.2

Door should swing out of room. If it swings into room, it should not swing into clear floor space required for fixtures

UFAS 14.16.2

Provide adequate clear floor space at water closet

UFAS 14.16.3

The top of the toilet seat should be between 17" and 19" from the floor

UFAS 14.16.4

Structural reinforcement should be in place that will allow installation of grab bars

UFAS 14.16.6

Toilet paper dispenser should be within reach

UFAS 14.2.4  
Fig. 33

If bathtub is provided, bathtub should have clear floor space of 30" - 48" depending upon bathtub location

UFAS 14.2.4  
Figs. 34-48

Structural reinforcements should allow installation of grab bars at 33" - 36" around the tub



UFAS 4.34.5.6  
Fig. 48

Faucets and other controls for a bathtub should be located in the appropriate space and shall be operable with one hand and not require tight grasping, pinching, or twisting of the wrist. The force shall be no more than 5 lbf.

UFAS 4.21.3  
Fig. 35

If shower is provided, the stall size and clear floor space should be minimum 36" x 36" or comply with figure 35

UFAS 4.21.3

A seat 17" - 19" should be provided in the shower

UFAS 2.21.4

Structural reinforcement for placement of grab bars 33"- 36" should be in place

UFAS 4.21.5

Faucets and other controls should be easy to grasp with one hand, not require tight grasping, tight pinching, or twisting of the wrist to operate

UFAS 4.19.3

There should be clear floor space of 30" minimum in front of sinks

UFAS 4.19.2

Sinks should provide 29" minimum exposed knee space and provide knee clearance of 8" minimum, toe clearance of 6" maximum, and be mounted with the rim no higher than 34" above the floor

## C. Kitchen

UFAS 4.34.6.1

Clearances in galley kitchens between all opposing base cabinets, counter tops, appliances, or walls should be minimum 40" and in U-shaped kitchens clearances should be minimum 60"

UFAS 4.34.6.2

Clear floor space of at least 30" by 48" that allows either a forward or a parallel approach to all appliances (range or cook top, oven, and refrigerator) by person in a wheelchair

UFAS 4.34.6.5

Sinks and surrounding counter should be minimum of 30" wide, provide exposed knee space, and be placed at maximum 34" above the floor

UFAS 4.34.6.4

At least one 30" work surface counter top space with exposed knee space should be provided at height of 34" above the floor

UFAS 4.34.6.6

Standard ovens and cook tops are permitted if the controls are front mounted

UFAS 4.34.6.8

Refrigerator/freezers must provide at least 50 percent of the freezer space below 54" above the floor, and have 100 percent of the refrigerator space and controls below 54"

## D. Alarms

UFAS 4.28.2

The unit should have an audible alarm system which produces a sound that exceeds the prevailing equivalent sound level in the room or space by at least 15 decibels

UFAS 4.28.3

For visually accessible units, wiring should be installed to provide a visible alarm system, electrically powered, internally illuminated