

## Parallel Requirements of Construction Standards for Accessibility

### *ANSI, UFAS and ADAAG*

	MEASUREMENT	ANSI (6/77)	UFAS (1/91)	ADAAG (1/92)
<b>PARKING</b>		<b>Cite 4.3</b>	<b>Cite 4.6</b>	<b>Cite 4.6</b>
Total # of spaces: # of accessible spaces:		No required number; however, the number of accessible spaces should be based on frequency and persistency of parking needs	Total spaces 1-25 /1 26-50 /2 51-75 /3 76-100 /4 101 – 150 /5 151 – 200 /6 201 – 300 /7 301 – 400 /8 401 – 500 /9 501 – 1,000 /2%	Same as UFAS
Measurement of spaces:		12 ft. wide	8 ft. plus 5 ft. access	Same as UFAS 1 to 8 accessible spaces Must be 16 ft. (van-accessible)
Spaces identified with International Symbol of Accessibility	Yes _____ No _____	Required	Required	Required
Closest to accessible entrances	Yes _____ No _____	Required	Required	Required
Parking surface is smooth	Yes _____ No _____	Required	Required	Required
Clear and safe path from parking spaces to accessible route	Yes _____ No _____	Required	Required	Required

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	MEASUREMENT	ANSI (6/77)	UFAS (1/91)	ADAAG (1/92)
<b>ACCESSIBLE ROUTE/WALK</b>		Cite 4.2	Cite 4.3	Cite 4.3
Path of travel is stable, firm, slip-resistant, and accessible to entrance	Yes _____ No _____			
Path width:		Required minimum 4 ft. wide	Required minimum 3 ft. wide	Required minimum 3 ft. wide
Path of travel has a continuing surface not interrupted by steps or abrupt changes in level	Yes _____ No _____	Required	Required	Required
Path of travel blends at driveways and parking lots or have curb cuts at driveways and parking	Yes _____ No _____	Required	Required	Required
Not applicable	_____			
<b>RAMPS</b>		<b>Cite 5.1</b>	<b>Cite 4.8</b>	<b>Cite 4.8</b>
Maximum slope:		1:12 non-slip surface level platforms at 30 foot intervals	Same	Same
Clear width:		36"	36"	36"
Handrail: (Height)		32" high measured from ramp surface	30" – 34"	34" – 38"
Number of handrails:		at least one	Both sides (if rise is greater than 6")	Both sides (if rise is greater than 6")

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	MEASUREMENT	ANSI (6/77)	UFAS (1/91)	ADAAG (1/92)
Handrail has smooth surface and extends 1 ft beyond top and bottom of ramp	Yes _____ No _____	Required	Required	Required
Level landings at top and bottom of ramp	Yes _____ No _____	Top 5 ft 5 in bottom 6 ft clearance	Top 5 ft bottom 5 ft clearance	Top 5 ft bottom 5 ft clearance
<b>ENTRANCES</b>		<b>Cite 5.2</b>	<b>Cite 4.14</b>	<b>Cite 4.14</b>
One primary entrance is usable by individuals in wheelchairs	Yes _____ No _____	Required	Required	Required
One primary entrance provides individuals in wheelchairs access to elevators	Yes _____ No _____	Required	Required	Required
not applicable				
Entrances clearly marked with International symbol of Accessibility	_____ Yes _____ No _____	Required	Required	Required
<b>DOORS AND DOORWAYS</b>		<b>Cite 5.3</b>	<b>Cite 4.13</b>	<b>Cite 4.13</b>
Minimum clearance:		32"	Same	Same
Door opening force:		Operable by single effort	5lb/f	5lb/f

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	MEASUREMENT	ANSI (6/77)	UFAS (1/91)	ADAAG (1/92)
Thresholds at doorway:		Exterior $\frac{3}{4}$ " Interior $\frac{1}{2}$ " (no greater than)	Same	Same
Maneuvering clearance:		Both sides of door are level with 60" clearance in direction door swings	42" – 60"	42" – 60"
<b>ELEVATORS</b>		<b>Cite 5.9</b>	<b>Cite 4.10</b>	<b>Cite 4.10</b>
Call button hallway		48" from floor	42" up button must be on top and sound once; down button sounds twice	Same as UFAS
Hall lantern	Yes _____ No _____		Must be visible and audible – audible once for up and twice for down	Same as UFAS
Doors		32" wide	36" wide automatically opens and closes-reopening devise for obstructions 5" and 29" from floor	Same as UFAS
Raised characters	Yes _____ No _____	Accessible and usable	raised characters on hoist way 60" on both jambs above finish floor	UFAS and additionally specifies tactile must be raised and Braille characters and symbols
Car controls		Accessible and usable	48" to 54" maximum tactile and	UFAS and additionally

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	MEASUREMENT	ANSI (6/77)	UFAS (1/91)	ADAAG (1/92)
Car position indicator		Accessible and usable	<p>visual control indicators-all control buttons designated by raised characters and symbols to the left of buttons-main floor a star emergency buttons no less than 35"</p> <p>In car above control panel or door, a visual indicator shows the position of the car – illuminates and an audible signal sounds when car stops on a floor verbal announcement of floor #s at which car stops or passes may be substituted</p>	<p>specifies tactile must be raised and Braille characters and symbols</p> <p style="text-align: center;">Same as UFAS</p>

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	MEASUREMENT	ANSI (6/77)	UFAS (1/91)	ADAAG (1/92)
Floor plan		minimum of 60" x 60"	<p style="text-align: center;">(a)</p> <p style="text-align: center;">(b)</p> <p style="text-align: center;">Clearance between hoist way and car platform no greater than 1.25"</p>	Same as UFAS
Emergency communications	<p>If provided, is it accessible to individuals in a wheelchair</p> <p>Yes _____</p> <p>No _____</p> <p>Is it usable without voice communication</p> <p>Yes _____</p> <p>No _____</p>	Accessible and usable	If provided, no higher than 48" from floor of car; have raised letters; not required voice communication	Same as USAF

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	MEASUREMENT	ANSI (6/77)	UFAS (1/91)	ADAAG (1/92)
<b>LIFTS</b>				
Does lift facilitate unassisted entry and exit?	Yes _____ No _____	Required	Required	Required
<b>DRINKING FOUNTAINS</b>				
Number accessible	If only one fountain on the floor, is it accessible Yes _____ No _____ If more than one fountain, are 50% accessible Yes _____ No _____	Appropriate number must be accessible	If only one, must be accessible; if more than one, 50% of total number must be accessible	Same as UFAS
Location	On an accessible route Yes _____ No _____	Required	Required	Required
Height	Spout no higher than 36" from floor Yes _____ No _____	Required	Required; also is the flow high enough for the insertion of a cup or glass Yes _____ No _____	Required; also flow of spout is positioned so the flow of the water is within 3" of the front of the fountain Yes _____ No _____
Controls	Are the controls mounted on the front or side, near the front edge, and operable with a closed fist Yes _____ No _____	Required	Required	Required

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	MEASUREMENT	ANSI (6/77)	UFAS (1/91)		ADAAG (1/92)	
<b>WARNING SIGNAL</b>						
Visual alarm	Is it visual Yes _____ No _____	Required	Required; also does light flash Yes _____ No _____		Required; also does the color of the light flash clear or nominal white Yes _____ No _____	
Audible alarm	Is it audible Yes _____ No _____	Required	Required; also does sound exceed the prevailing sound level in the room Yes _____ No _____		Required	
<b>ASSEMBLY/MEETING/CONFERENCE ROOMS</b>						
Assembly area	Is there an accesible route to the assembly area Yes _____ No _____ Is there an accessible route to the wheelchair designated seats Yes _____ No _____ Number of wheelchair locations _____	Requires appropriate number	Capacity	# wheelchairs	Capacity	#
			50 to 75	3	4 to 25	1
			76 to 100	4	26 to 50	2
			101 to 150	5	51 – 300	4
			151 to 200	6	over 500	6 + 1 for
			201 to 300	7		
			301 to 400	8		
			401 to 500	9		
			501 to 1000	2%		
			over 1000	20+1 for each 100 over 1000		
					each total seating increase capacity of 100 and disperse comparable seating Yes _____ No _____	



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	MEASUREMENT	ANSI (6/77)	UFAS (1/91)	ADAAG (1/92)
Access to performing area	Is there an accessible route connecting seating locations to performing area, stages, and other spaces used by actors Yes _____ No _____		Required	Required
Audio amplification	If there is audio-amplification, how are the hearing impaired accommodated	Accessible and usable	listening devise to accommodate a reasonable # of people, but no fewer than 2 with severe hearing loss  If accommodation is fixed, is it within 50' of stage Yes _____ No _____	Same as UFAS
<b>PUBLIC TELEHONES</b>		<b>Cite 5.8</b>	<b>Cite 4.31</b>	<b>Cite 4.31</b>
Wheelchair accessible		If public phone provided, appropriate number must be accessible and usable	If public phone provided, is there a clear floor space of at least 30 x 48" in front of at least one Yes _____ No _____ Is the highest operable part of the phone no higher than 48" (up to 54" if side approach is possible)	Same as UFAS

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	MEASUREMENT	ANSI (6/77)	UFAS (1/91)	ADAAG (1/92)
			Yes _____ No _____ Are there push button controls Yes _____ No _____	
Accessible to hearing impaired	Is there a hearing aid compatible phone Yes _____ No _____ Is there a volume control Yes _____ No _____	Required	Required	Required
Text telephone				is there access to a TDD Yes _____ No _____ Is there directional signage Yes _____ No _____
<b>RESTROOM FACILITIES</b>				
Availability and number	Available Yes _____ No _____ Number Female _____ Male _____	<b>Cite 4.1, 4.22, 4.23</b> Appropriate number in accordance with the nature and use of a specific facility	<b>Cite 4.1, 4.22, 4.23</b> If toilet facilities are provided, all available toilet rooms should be accessible	<b>Cite 4.1, 4.22, 4.23</b> Same as UFAS
Accessible Route	Yes _____ No _____	Accessible and usable	<b>Cite 4.22</b> Accessible toilet rooms shall be	<b>Cite 4.22</b> Same as UFAS

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	MEASUREMENT	ANSI (6/77)	UFAS (1/91)	ADAAG (1/92)
			on an accessible route	
Signage	Yes _____ No _____	<b>Cite 5.11</b> Appropriate identification	<b>Cite 4.1, 4.30</b> Interior signage shall be located alongside the door at a height of between 54" and 66"	<b>Cite 4.1, 4.30</b> Signage should designate accessible toilet facilities when not all are accessible. The signage shall be at a height of 60"
Doorways and passages	male (M) Female (F)	<b>Cite 5.3</b> Door shall have a clear opening of no less than 32" when open, be operable by a single effort	<b>Cite 4.1, 4.2, 4.13</b> Doorways shall have a minimum of 32" clear space, be equipped with accessible handles mounted no higher than 48" with a door opening force of 5LBF. There shall be a 36" wide path to all fixtures	<b>Cite 4.1, 4.2, 4.13</b> Same as UFAS
Foyer	Yes _____ No _____ (M) (F)	Accessible and usable	<b>Cite 4.13.7</b> Minimum space between two doors in series (foyer) shall be 48" plus the width of any door swinging into the space	<b>Cite 4.13</b> Same as UFAS
Clear floor space	(M) (F)	<b>Cite 3.2, 5.6</b> Toilet rooms shall have an average turn space of 60" by 60"	<b>Cite 4.16, 4.22</b> Same as ANSI, or a T-shaped space permitting a 180 degree turn (4.2.3)	<b>Cite 4.16, 4.22</b> Same as UFAS
Urinals		<b>Cite 5.6.5</b> Wall-mounted opening of basin 19" from the floor; floor-	<b>Cite 4.18</b> Stall-type or wall-hung with elongated rim at a max. of 17" from the floor. A clear floor	<b>Cite 4.18</b> Same as UFAS

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	MEASUREMENT	ANSI (6/77)	UFAS (1/91)	ADAAG (1/92)
		mounted – level with the floor	space 30" by 48" shall be provided in front of urinal to allow forward approach	
Lavatory	(M) (F)	<b>Cite 5.6.3</b> Lavatories shall have narrow aprons, mounted at a height usable by persons in wheelchairs. Hot water pipes shall be covered	<b>Cite 4.19, 4.27.4</b> Lavatories shall be mounted with rim or counter surface no higher than 34" above the floor with a clearance of at least 29" above the floor to the bottom of the apron. A clear floor space of 30" by 48" shall be provided in front of lavatory to allow forward approach. Hot water pipes shall be covered. Faucets shall comply with 4.27.4	<b>Cite 4.19</b> Same as UFAS
Mirrors	(M) (F)	<b>Cite 5.6.4</b> Mounted no higher than 40" above the floor, measured from the bottom of the mirror	<b>Cite 4.19.6</b> Bottom edge of reflecting surface no higher than 40" above the floor	<b>Cite 4.19.6</b> Same as UFAS
Stalls	Designated stalls? Yes _____ No _____	<b>Cite 5.6</b> At least one stall shall be 36" wide and 56"-60" deep	<b>Cite 4.17.3</b> Stalls shall be 60" wide. Stalls with a minimum depth of 56" shall have wall-mounted water closets (toilets). By increasing the depth to 59", the water closet may be floor mounted. Arrangement of the toilet stall can vary	<b>Cite 4.17.3</b> Same as UFAS
Stall Doors	(M) (F)	<b>Cite 5.6</b>	<b>Cite 4.17.5, 4.13</b>	<b>Cite 4.17.5, 4.13</b>

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	MEASUREMENT	ANSI (6/77)	UFAS (1/91)	ADAAG (1/92)
		32" wide swings out	32" wide, swings out, with accessible hardware	Same as UFAS
Grab bars	(M) (F)	<b>Cite 5.6</b> On each side, 33" high and parallel to the floor, 1 1/2" in outside diameter, with 1 1/2" clearance between rail and wall	<b>Cite 4.17.6, 4.26</b> Depending on arrangement of stall, grab bars should be mounted on both sides or on at least one wide and at the back of the stall, 33"-36" from the floor, and of appropriate length. Diameter of 1 1/4" to 1 1/2" mounted 1 1/2" from the wall	<b>Cite 4.17.6, 4.26</b> Same as UFAS
Toilet Seat (Water Closet)	(M) (F)	<b>Cite 5.6</b> 20" from floor to top of toilet seat	<b>Cite 4.16</b> 17" to 19" from floor to top of toilet seat. Flush controls shall be mounted no more than 44" high. Toilet paper dispensers shall be mounted within reach and at least 19" from the floor	<b>Cite 4.16</b> Same as UFAS
Controls and dispensers	(M) (F)	<b>Cite 5.6.6</b> Toilet rooms shall have an appropriate number of towel racks, towel dispensers and Disposal units mounted no higher than 40" from the floor	<b>Cite 4.22.7, 4.27, 4.2</b> If controls, dispensers, receptacles, or other equipment is provided, at least one of each shall be within the ranges specified in 4.2.5 and <b>4.2.6</b> . Forward reach – high 48"; low – 15"; side reach – high 54"; low 9"; (see figures 5 and 6 if there are obstructions)	<b>Cite 4.22.7, 4.27, 4.2</b> Same as UFAS
<b>FOOD SERVICE</b>				
Seating, Tables, and Work Areas	Number accessible _____	Accessible and usable	<b>Cite 4.32, 4.1</b> If fixed or built-in seating or	<b>Cite 4.32, 4.1</b> Same as UFAS

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	MEASUREMENT	ANSI (6/77)	UFAS (1/91)	ADAAG (1/92)
	<p style="text-align: center;">Floor space _____</p> <p style="text-align: center;">Knee clearance _____</p> <p style="text-align: center;">Height _____</p>		work surfaces are provided in accessible spaces, at least 5%, but not less than one, must comply with 4.32. Seating at these spaces should have appropriate floor space and knee clearance of at least 27" high, 30" wide, and 19" deep. The top of the work surface should be 28" to 34" from the floor	Additionally, an accessible route shall lead to and through such fixed or built-in seating areas or tables
Facilities Seating	Number _____	Accessible and usable	<p style="text-align: center;"><b>Cite 5.1, 4.32, 4.3</b></p> <p>At least 5% of all fixed seating or tables shall comply with 4.32 with appropriate clear floor space, knee clearance of at least 27" high, 30" wide, and 19" deep, with tops of tables 28" to 34" from the floor</p>	<p style="text-align: center;"><b>Cite 5.1, 4.32</b></p> <p>Same as UFAS, except where separate areas are designated for smoking, the Required number of tables shall be proportionately distributed. In new construction, and where practicable in alterations, accessible tables shall be distributed throughout the facility.</p>
Food service lines	Number _____	Accessible and usable	<p style="text-align: center;"><b>Cite 5.2</b></p> <p>Minimum clear width of 36" (preferred 42"), tray slides no higher than 34" above the floor</p>	<p style="text-align: center;"><b>Cite 5.5</b></p> <p>Same as UFAS</p>
Tableware and condiment areas		Accessible and usable	<p style="text-align: center;"><b>Cite 5.3</b></p> <p>Reach should be no more than 54" (4.2)</p>	<p style="text-align: center;"><b>Cite 5.6</b></p> <p>Same as UFAS</p>

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<b>LIBRARIES</b>				
Site area		Accessible and usable	<b>Cite 8.1 through 8.5</b> In addition to the requirement of 4.1 and 4.33, the design shall comply with 8.1 through 8.5	<b>Cite 8.1 through 8.5</b> Same as UFAS
Reading and study areas	Number of units of: fixed seating _____ tables _____ study carrels _____	Accessible and usable	<b>Cite 8.2</b> At least 5% or a minimum of one of each unit of fixed seating, tables, or study carrels shall be accessible. Clearances between the tables or study carrels shall be accessible	<b>Cite 8.2</b> Same as UFAS
Check-out areas	Number of check-out lines _____	Accessible and usable	<b>Cite 8.3</b> At least one lane at each check-out area shall comply with 4.32 with appropriate floor space, knee clearance, of at least 27" high, 30" wide, and 19" deep, with top of counter 28" to 34" from the floor	<b>Cite 8.3</b> Same as UFAS
Card catalogs		Accessible and usable	<b>Cite 8.4</b> Minimum clear aisle space at card catalog, magazine displays, or reference stack shall be 36" wide. Maximum reach height preferred – 48"	<b>Cite 8.4</b> Same as UFAS
Stacks		Accessible and usable	<b>Cite 8.5</b> Minimum clear aisle width between stack, 36" minimum; preferred – 42". Shelf height in stack areas is unrestricted	<b>Cite 8.5</b> Same as UFAS

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