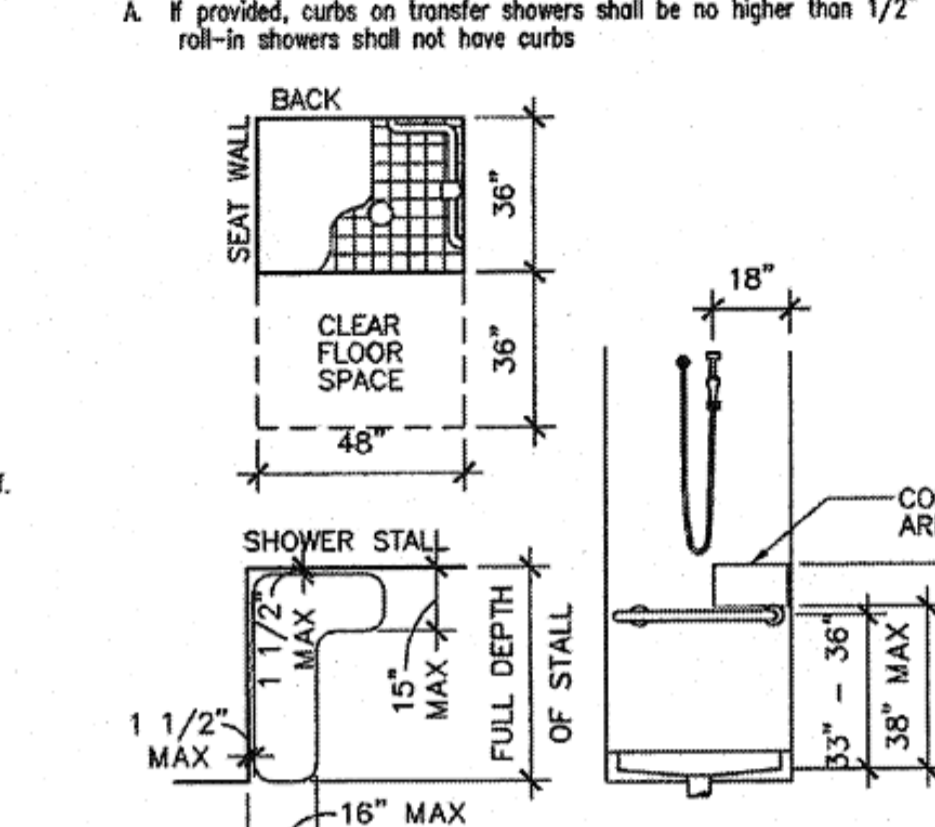


TAS SECTIONS 4.2.1.4 - GRAB BARS
 A. Grab bars shall be mounted 33"-36" above floor.

TAS SECTIONS 4.2.1.5 - CONTROLS
 A. All shower controls shall be located 38" minimum and 48" maximum above the finished floor.

TAS SECTION 4.2.1.6 - SHOWER UNIT
 A. A shower spray unit with a hose at least 60" long that can be used both as a fixed shower head and as a hand held shower shall be provided. The mounting device shall comply with the requirements for Forward Reach.

TAS SECTIONS 4.2.1.7 - CURBS
 A. If provided, curbs on transfer showers shall be no higher than 1/2" roll-in showers shall not have curbs.



4.22 TOILET ROOMS

TAS SECTIONS 4.2.2.2 - DOORS
 A. All doors to accessible toilet rooms shall comply with 4.13. Doors shall not swing into clear floor space required for any fixture. Clear floor turning space may overlap door swings.

TAS SECTIONS 4.2.2.3 - CLEAR FLOOR SPACE
 A. The accessible fixtures and controls required in 4.2.2.4, 4.2.2.5, 4.2.2.6, 4.2.2.7 shall be on an accessible route. An unobstructed turning space complying with 4.2.3 shall be provided within an accessible toilet room. The clear floor space at fixtures and controls, the accessible route, and the turning space may overlap, however, the only turning space provided shall not be located within a stall.

TAS SECTIONS 4.2.2.4 - WATER CLOSETS
 A. If toilet stalls are provided, then at least one shall be a standard toilet stall complying with 4.17, where 6 or more stalls are provided in addition to the stall complying with 4.17.3, at least one stall shall be provided with an outward swinging, full-closing door and parallel grab bars shall be provided. Water closets in such stalls shall comply with 4.16. If water closets are not in stalls, then at least one stall comply with 4.16.

TAS SECTIONS 4.2.2.5 - URINALS
 A. If urinals are provided, then at least one shall comply with 4.18.

TAS SECTIONS 4.2.2.6 - LAVATORIES AND MIRRORS
 A. If lavatories and mirrors are provided, then at least one of each shall comply with 4.19. Accessible lavatories and mirrors shall not be located within toilet stalls unless other accessible lavatories and mirrors are provided in the toilet room.

TAS SECTIONS 4.2.2.7 - CONTROLS AND DISPENSERS
 A. If controls, dispensers, receptacles, or other equipment are provided, then at least one of each shall be on an accessible route and shall comply with 4.27 - (Controls & Operating Mechanisms).

4.23 - BATHROOMS, BATHING FACILITIES, AND SHOWER ROOMS

TAS SECTION 4.23.5 - BATHING AND SHOWER FACILITIES
 A. If tubs and showers are provided, then at least one accessible tub that complies with 4.20 or at least one accessible shower that complies with 4.21 shall be provided.

4.24 - SINKS

TAS SECTION 4.24.2 - HEIGHT (REFERENCE DETAIL 12.5.1)
 A. Sinks shall be mounted with the rim or counter surface no higher than 34" above the finished floor.

TAS SECTIONS 4.24.3 - KNEE CLEARANCE (REFERENCE DETAIL 12.5.1)
 A. Knee clearance of 27" high minimum, 30" wide minimum, and 19" deep minimum shall be provided underneath sinks.

TAS SECTION 4.24.4 - DEPTH
 A. Each sink shall be a maximum of 6-1/2" deep.

TAS SECTION 4.24.6 - EXPOSED PIPES AND SURFACES
 A. Hot water and drain pipes under sinks shall be insulated or otherwise configured to protect against contact.

TAS SECTION 4.24.7, 4.27.4 - FAUCETS
 A. Controls shall be operable with one hand and shall not require light grasping, pinching, or twisting of the wrist.

B. The force required to activate controls shall be no greater than 5 lbf.

C. Lever-operated, push-type, and electronically controlled mechanisms are examples of acceptable designs.

D. If self-closing valves are used the faucet shall remain open for at least 10 seconds.

TAS SECTION 4.20.5 - SHOWER UNIT
 A. A shower spray unit with a hose at least 60" long shall be provided.

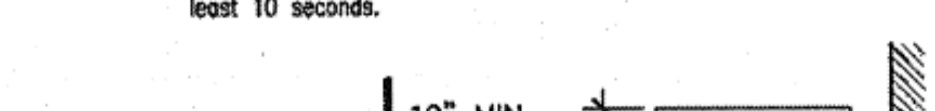
4.21 SHOWER STALLS

TAS SECTION 4.21.2 - SIZE AND CLEARANCES
 A. Shower stalls shall be either 36"x36" clear inside dimension or 30" min. x 60" min. clear inside dimension.

TAS SECTIONS 4.21.3 - SEAT
 A. Seat is required in 36"x36" stalls, and shall have the following features:

1. Shall be 17"-19" above bathroom floor
2. Shall extend the full depth of the stall
3. Shall be located on the wall opposite control wall
4. Maximum space between wall and seat edge shall be 1-1/2"
5. Shall project 16" maximum into stall width, except if the rear 15" minimum of the stall, where the seat may project 23"

TAS SECTION 4.25.1 - DEPTH (REFERENCE DETAIL 12.4.1)
 A. Storage areas may be 36" in depth or less. If more than 36" in depth, then area must allow 60" diameter of clear floor space.



4.25 - STORAGE

TAS SECTION 4.25.1 - DEPTH (REFERENCE DETAIL 12.4.1)
 A. Storage areas may be 36" in depth or less. If more than 36" in depth, then area must allow 60" diameter of clear floor space.

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4.18 URINALS

TAS SECTION 4.18.2 - HEIGHT (REFERENCE DETAIL 12.3.1)
 A. Urinals shall be wall-type or wall-hung with a tapered, elongated rim at 17" maximum above the finished floor. The rim shall extend a minimum of 14" from the wall.

TAS SECTION 4.18.3 - CLEAR FLOOR SPACE (REFERENCE DETAIL 12.3.2)
 A. A clear floor space 30" wide by 48" deep minimum shall be provided in front of urinal to allow front approach.

1. This space shall adjoin or overlap an accessible route.
2. Urinal shields that do not extend beyond the front edge of the urinal rim may be provided with 2" clearance between them.
3. Urinals installed in alcoves deeper than 24" require a maneuvering area of at least 36" minimum wide.

TAS SECTION 4.18.4 - FLUSH CONTROLS (REFERENCE DETAIL 12.3.1)
 A. Controls shall be 44" maximum above the finished floor.

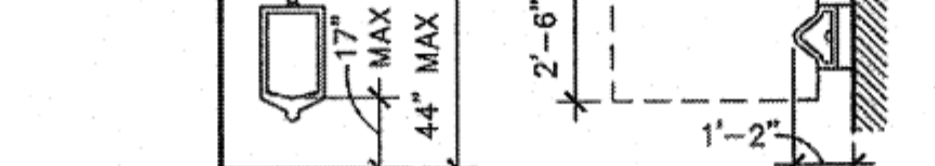
1. Controls for flush valves shall be mounted on the wide side of toilet areas.
2. Controls shall be hand operated or automatic.
3. Controls shall be operable with one hand and shall not require light grasping, pinching, or twisting of the wrist.
4. The force required to activate controls shall be no greater than 5 lbf.

TAS SECTION 4.18.4 - FLUSH CONTROLS (REFERENCE DETAIL 12.3.1)
 A. Controls shall be 44" maximum above the finished floor.

1. Controls shall be hand operated or automatic.
2. Controls shall be operable with one hand and shall not require light grasping, pinching, or twisting of the wrist.
3. The force required to activate controls shall be no greater than 5 lbf.

TAS SECTION 4.16.3 - DISPENSERS (REFERENCE DETAIL 12.1.1)
 A. Toilet paper dispensers shall be installed on the side wall, a minimum 19" above the floor, and a maximum 36" from the rear wall.

1. Dispensers that control delivery or do not permit continuous paper flow shall not be used.



4.19 LAVATORIES & MIRRORS

TAS SECTION 4.19.2 - HEIGHT & CLEARANCES (REFERENCE DETAIL 12.5.1 AND 12.5.2)
 A. Lavatories shall be mounted with the rim or counter surface no higher than 34" above the finished floor.

1. Lavatories shall extend 17" minimum from the wall.
2. Clearance of 29" minimum shall be provided from the finished floor to bottom of apron.
3. Knee clearance of 27" minimum shall extend 8" minimum under the edge of the lavatory.
4. Toe clearance of 9" minimum shall be provided for the full depth of the lavatory.

TAS SECTION 4.19.4 - EXPOSED PIPES AND SURFACES
 A. Hot water and drain pipes under lavatories shall be insulated or otherwise configured to protect against contact.

B. There shall be no sharp or abrasive surfaces under lavatories.

TAS SECTIONS 4.19.5, 4.27.4 - FAUCETS
 A. Controls shall be operable with one hand and shall not require light grasping, pinching, or twisting of the wrist.

B. The force required to activate controls shall be no greater than 5 lbf.

C. Lever-operated, push-type, and electronically controlled mechanisms are examples of acceptable designs.

D. If self-closing valves are used the faucet shall remain open for at least 10 seconds.

TAS SECTION 4.19.6 - MIRRORS (REFERENCE DETAIL 12.5.1)
 A. Mirrors shall be mounted with the bottom edge of the reflecting surface 40" maximum above the finished floor. Single-occupancy toilet room or any toilet room having only one mirror shall be 74" in height at the topmost edge.

4.20 BATHTUBS

TAS SECTION 4.20.2 - FLOOR SPACE
 A. Clear floor space shall be provided in front of bathtubs as follows: 30" wide x 60" long beside the bathtub for side approach; 48" wide x 60" long beside the bathtub for front approach with seat at head of tub - 30" wide x 76" long beside tub.

TAS SECTION 4.20.3 - SEAT
 A. An in-tub seat or a seat at the head end of the tub shall be provided. Seats shall be mounted securely and shall not slip during use.

TAS SECTIONS 4.20.4 - GRAB BARS
 A. Heights permitted:

1. With In Tub Seat: Control wall: 24" long minimum, from outside wall, 33"-38" above floor. Back wall: 2 bars, 24" long minimum, 12" maximum from foot end, 24" maximum from head end; one 33"-36" above floor, one 9" above the tub. Head wall: 12" minimum, from outside wall, 33"-36" above floor.
2. With Seat at Head of Tub: Control wall: 24" long minimum, from outside wall, 33"-36" above floor. Back wall: 2 bars, 48" long minimum, 12" maximum from foot end, 12" maximum from head end; one 33"-36" above floor, one 9" above the tub. Head wall: none.

TAS SECTION 4.20.5 - SHOWER UNIT
 A. A shower spray unit with a hose at least 60" long shall be provided.

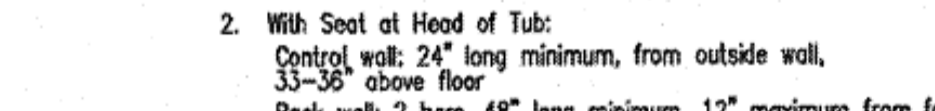
4.21 SHOWER STALLS

TAS SECTION 4.21.2 - SIZE AND CLEARANCES
 A. Shower stalls shall be either 36"x36" clear inside dimension or 30" min. x 60" min. clear inside dimension.

TAS SECTIONS 4.21.3 - SEAT
 A. Seat is required in 36"x36" stalls, and shall have the following features:

1. Shall be 17"-19" above bathroom floor
2. Shall extend the full depth of the stall
3. Shall be located on the wall opposite control wall
4. Maximum space between wall and seat edge shall be 1-1/2"
5. Shall project 16" maximum into stall width, except if the rear 15" minimum of the stall, where the seat may project 23"

TAS SECTION 4.25.1 - DEPTH (REFERENCE DETAIL 12.4.1)
 A. Storage areas may be 36" in depth or less. If more than 36" in depth, then area must allow 60" diameter of clear floor space.



4.25 - STORAGE

TAS SECTION 4.25.1 - DEPTH (REFERENCE DETAIL 12.4.1)
 A. Storage areas may be 36" in depth or less. If more than 36" in depth, then area must allow 60" diameter of clear floor space.

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4.13 DOORS

TAS SECTION 4.13.1 - HEIGHT (REFERENCE DETAIL 12.1.1)
 A. The height to the top of the toilet seat shall be 17" - 19" above floor.

1. Seats shall not be hand operated or automatic.

TAS SECTIONS 4.16.4, 4.26 - GRAB BARS (REFERENCE DETAILS 12.1.1 AND 12.1.2)
 A. For water closets not located in toilet stalls, the following grab bars shall be provided, 33" - 36" above the finish floor:

1. Side wall: 42" long minimum, 12" from back wall.
2. Back wall: 36" long minimum, 12" minimum each side of water closet centerline.

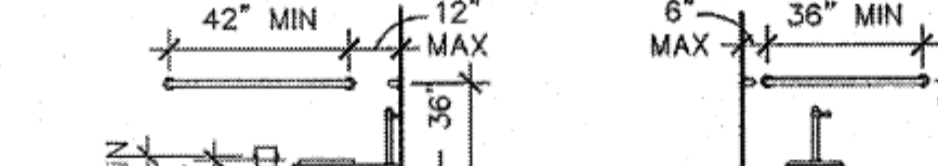
Refer to 4.26 Grab Bars for size and structural elements.

TAS SECTIONS 4.16.5, 4.27.4 - FLUSH CONTROLS (REFERENCE DETAIL 12.1.2)
 A. Controls shall be 44" maximum above the finish floor.

1. Controls for flush valves shall be mounted on the wide side of toilet areas.
2. Controls shall be hand operated or automatic.
3. Controls shall be operable with one hand and shall not require light grasping, pinching, or twisting of the wrist.
4. The force required to activate controls shall be no greater than 5 lbf.

TAS SECTION 4.16.6 - DISPENSERS (REFERENCE DETAIL 12.1.1)
 A. Toilet paper dispensers shall be installed on the side wall, a minimum 19" above the floor, and a maximum 36" from the rear wall.

1. Dispensers that control delivery or do not permit continuous paper flow shall not be used.



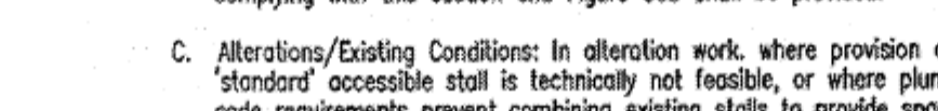
4.17 TOILET STALLS

TAS SECTION 4.2.2.4 - WHERE APPLICABLE
 A. If toilet stalls are provided in a toilet room or bathroom, then at least one shall be a "standard" accessible toilet stall (for wheelchair users), complying with this section.

1. If 6 or more toilet stalls are provided in a toilet room or bathroom in addition to the "standard" accessible stall required, an additional 36" wide accessible stall (for ambulatory persons with disabilities) complying with this section and Figure 300 shall be provided.
2. Alterations/Existing Conditions: In alteration work, where provision of a "standard" accessible stall is technically not feasible, or where plumbing code requirements prevent combining existing stalls to provide space, either "alternate" stall (A or B) complying with this section may be provided in lieu of the standard stall.

TAS SECTION 4.17.3 - SIZE AND ARRANGEMENT (REFERENCE DETAIL 12.2.1)
 A. Toilet stalls may be arranged to provide either a left or a right handed approach. Accessible toilet stalls shall have the following dimensions:

1. "Standard" Accessible Stall: 60" minimum width, 59" minimum depth, with floor mounted water closet. 56" minimum depth, with wall mounted water closet. Door: outward swinging. If door swings into stall, depth shall be increased by 36".
2. "Alternate A" Accessible Stall (required when more than 6 stalls provided, permitted in lieu of standard stall in certain alterations): 36" minimum width, 69" minimum depth, with floor mounted water closet. 69" minimum depth, with wall mounted water closet. Door: outward swinging.
3. "Alternate B" Accessible Stall (permitted in lieu of standard stall only in certain alterations): 48" minimum width, 54" minimum depth. Door: outward swinging.



4.15 DRINKING FOUNTAINS

TAS SECTION 4.15.2 - SPOUT HEIGHT (REFERENCE DETAIL 11.1)
 A. When two (2) or more FNC are indicated on plans, one (1) spout shall be mounted no higher than 36" and the second spout shall be mounted no higher than 42", measured from the floor or ground surface to the spout outlet.

1. When one (1) FNC is indicated on the plan, a high/low unit shall be provided with one (1) spout @ 36" and one (1) spout @ 42" AFF.

TAS SECTION 4.15.3 - SPOUT LOCATION
 A. Spouts shall be located at the front of the unit and shall direct the water flow in a trajectory that is parallel or nearly parallel to the front of the unit.

1. The spout shall provide a flow of water of least 4" high.
2. If the fountain has a round or oval bowl, the spout must be positioned so the flow of water is within 3" of the front edge of the fountain.

TAS SECTION 4.15.4 - CONTROLS
 A. Unit controls shall be front mounted or side mounted near the front edge.

TAS SECTION 4.15.5 - CLEARANCES (REFERENCE DETAIL 11.1)
 A. Wall and post mounted cantilever fountains shall have clear knee space as follows:

1. Minimum 27" high (from apron bottom to floor) minimum 30" wide, and 17" - 19" deep.
2. A minimum 30" by the clear floor space allowing a forward approach to the unit shall be provided.

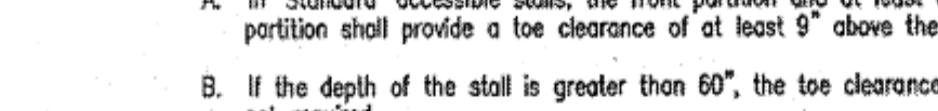
TAS SECTION 4.17.5 - DOORS
 A. Toilet stall doors, including hardware, shall comply with ELEMENT 10: DOORS.

1. If toilet stall approach is from the latch side of the stall door, clearance between the door side of the stall and any obstruction shall be 42" minimum. (This is an exception from typical door maneuvering clearances)

TAS SECTION 4.17.6 - GRAB BARS (REFERENCE DETAILS 12.1.1, 12.1.2, AND 12.2.1)
 A. Grab bars mounted 33" - 36" above the floor, shall be provided as follows:

1. "Standard" Accessible Stall: One 40" side wall grab bar (on rear wall) and one rear wall grab bar.
2. "Alternate A" Accessible Stall: 42" side wall grab bar each side.
3. "Alternate B" Accessible Stall: One 42" side wall grab bar (on rear wall), one rear wall grab bar.
4. Side Wall Grab Bar: Minimum length as indicated, mounted 12" maximum off rear wall.
5. Rear Wall Grab Bar: Minimum length 36", 12" minimum each side of water closet centerline.

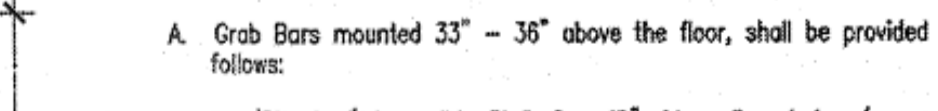
Refer to 4.26 Grab Bars for size and structural requirements.



4.16 WATER CLOSETS

TAS SECTION 4.16.2 - CLEAR FLOOR SPACE
 A. Clear floor space for water closets not in stalls shall be provided as follows:

1. Front approach - 48" min. wide x 60" min. long
2. Side approach - 56" min. to front of toilet x 48" min. wide
3. Both approach - 60" min. wide x 56" min. long



4.13 DOORS

TAS SECTION 4.13.1 - HEIGHT (REFERENCE DETAIL 12.1.1)
 A. The height to the top of the toilet seat shall be 17" - 19" above floor.

1. Seats shall not be hand operated or automatic.

TAS SECTIONS 4.16.4, 4.26 - GRAB BARS (REFERENCE DETAILS 12.1.1 AND 12.1.2)
 A. For water closets not located in toilet stalls, the following grab bars shall be provided, 33" - 36" above the finish floor:

1. Side wall: 42" long minimum, 12" from back wall.
2. Back wall: 36" long minimum, 12" minimum each side of water closet centerline.

Refer to 4.26 Grab Bars for size and