Accessible General Notes

TOILET FACILITIES

1115B.3.1 Mutiple-accommodation toilet facilities.

Multiple-accommodation toilet facilities shall have the following:

1115B.3.1.1 Wheelchair clearance.

A clear space measured from the floor to a height of 27 inches above the floor, within the sanitary facility room, of sufficient size to inscrive a circle with a diameter not less than 60 inches, or a clear space 56 inches by 69 inches in size. Doors shall not swing into the floor space required for any fixture.

1115B.4.1.1 Clear space.

A water closet fixture located in a compartment shall provide a minimum 28 inch-wide clear space from a fixture or a minimum 32 inch-wide clear space from a wall at one side of the water closet. The other side of the water closet shall provide 18 inches from the centerline of the water closet to the wall. A minimum 48-inch-long clear space shall be provided in front of the water closet if the compartment has an end-opening door (facing the water closet). A minimum 60 inch-long clear space shall be provided in a compartment with the door located at the side. Grab bars shall not project more than 3 inches into the clear spaces as specified above.

1115B.3.1.4 Compartment doors.

Water closet compartment shall be equipped with a door that has an automatic-closing device, and shall have a clear, unobstructed opening width of 32 inches when located at the end and 34 inches when located at the side with the door positioned at an angle of 90 degrees from its closed position. When standard compartment doors are used, with a minimum 4-inch clearance for footrests underneath and a self-closing device.

The inside and outside of the compartment door shall be equipped with a loop or U-shaped handle immediately below the latch. The latch shall be flip-over style, sliding, or other hardware not requiring the user to grasp or twist. Except for door-opening widths and door swings, a clear, unobstructed access of not less than 44 inches shall be provided to water closet compartments designed for use by persons with disabilities and the space immediately in front of a water closet compartment shall not be less than 48 inches as measured at right angles to compartment door in its closed position.

1115B.3.1.5 Large toilet rooms.

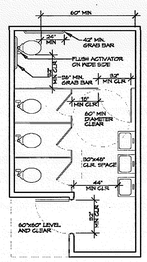
Where six or more stalls are provided within a multiple-accommodation toilet room, at least one stall shall comply with Sections 1115B.3.1.3 and 1115B.3.1.4 and at least one additional stall shall be 36 inches wide with an outward swinging self-closing door and parallel grab bars complying with Section 1115B.4.1.3

1115B.3.2 Single-accommodation toilet facilities.

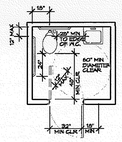
There shall be sufficient space in the toilet room for a wheelchair measuring 30 inches wide by 48 inches long to enter the room and permit the door to close. There shall be in the room a clear floor space of at least 60 inches in diameter, or a T-shaped space. No door shall encroach into this space. The water closet shall be located in a space which provided a minimum 28-inch wide clear space from a fixture or a minimum 32-inch wide clear space from a wall at one side. The other side shall provide 18 inches from the centerline of the water closet to the wall. A minimum 48 inches of clear space shall be provided in front of the water closet. All doors, fixtures and controls shall be on an accessible route. The minimum clear width of an accessible route shall be 36 inches except at doors. If a person in a wheelchair must make a turn around an obstruction, the minimum clear width of the accessible route shall be as shown in Figure 11B-5E.

Note: For bathrooms serving residential occupancies, see section 11B

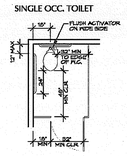
Exception: In an existing building, a single-accommodation toilet facility may have the water closet fixture located in an area which provides a clear space of not less than 36 inches wide by 48 inches long in front of the water closet.



MULTIPLE ACCOMMODATION TOILET



SINGLE OCC. TOILET



MULT. TOILET STALL

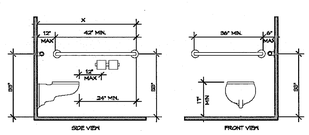
WATER CLOSETS

1115b.4.1

Water closets in bathrooms required to be accessible shall conform to the provisions of the California Plumbing Code. The water closet shall be located in a space a minimum of 60 inches in clear width with 48 inches minimum clear space provided in front of the water closet. This space may include maneuverable space under a lavatory, if provided, arranged so as not to impede access. The minimum height of water closet seats shall be 17 inches above the floor.

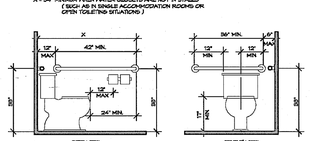
1115b.4.1.5

The force required to activate the water closet flush valve shall be 5 pounds maximum.



WALL-MOUNTED WATER CLOSETS

X = 52" MINIMUM WHEN WATER CLOSETS ARE IN STALLS
X = 54" MINIMUM WHEN WATER CLOSETS ARE NOT IN STALLS
(SIGN AS IN SINGLE ACCOMMODATION ROOMS OR OPEN TOILET/WC SITUATIONS)



FLOOR-MOUNTED WATER CLOSETS

URINALS

1115B.4.2.3 Urinals

Where urinals are provided, at least one shall have a clear floor space 30 inches by 48 inches in front of the urinal to allow forward approach.

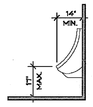
One full unobstructed side of the clear floor or ground space adjoins or overlaps an accessible route or adjoins another wheelchair clear floor space.

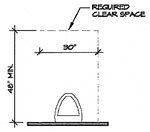
1115B.4.2.1

17 inch maximum rim height above floor and a minimum 14 inches and a maximum 17 inches projection from wall.

1115B.4.2.2 1503.2

The force to activate the urinal flush valve shall be 5 pounds maximum. Flush valve shall be a maximum 44 inches above floor.





VANITIES & LAVATORIES

Vanities and lavatories shall be installed with the center line of the center line of the fixture a minimum of 1 foot 6 inches horizontally from an adjoining wall or fixture. The top of the fixture rim shall be a maximum of 2 feet 10 inches above the finished floor. If knee space is provided below the vanity, the bottom of the apron shall be at least 2 feet 5 inches above the floor. If provided, full knee space shall be at least 1 foot 5 inches deep. Cabinets under lavatories are acceptable provided the bathroom has space to allow a parallel approach by a person in a wheelchair. If parallel approach is not possible within the space, any cabinets provided would have to be removable to afford the necessary knee clearance for forward approach.

1115B.4.3 Lavatory fixtures

The requirements of this subsection shall apply to lavatory fixtures, vanities and built-in lavatories.

1115B.4.3.3

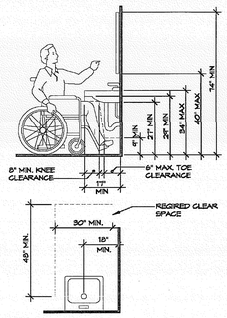
A clear floor space 30 inches by 48 inches complying with Section 1115B.4.3.3 shall be provided in front of a lavatory to allow a forward approach. Such clear floor space shall adjoin or overlap an accessible route and shall extend into knee and toe space underneath the lavatory.

1115B.4.3.4

Hot water and drain pipes shall be insulated.

1115B.4.3.1

Lavatory faucet controls and operating mechanism (operates with one hand) shall be of the type not requiring an operating force exceeding 5 pounds, or light grasping, pinching or twisting of the wrist.
Self closing valves are to remain open for at least 10 seconds.



GRAB BARS

1115B.4.1.3 Location

Grab bars located on each side, or one side and the back of the accessible toilet stall or compartment, shall be securely attached 33 inches above and parallel to the floor, except that where a tank-type toilet is used which obstructs placement at 33 inches the grab bar may be as high as 36 inches. Grab bars shall be at least 42 inches long with the front end positioned 24 inches in front of the water closet stool. Grab bars at the back shall not be less than 36 inches long.

1115B.7.1 Diameter or width

The diameter or width of the gripping surfaces of a grab bar shall be 1 1/4 inches to 1 1/2 inches or the shape shall provide an equivalent gripping surface. If grab bars are mounted adjacent to a wall, the space between the wall and the grab bars shall be 1 1/2 inches.

1115B.7.2 Structural strength

The structural strength of grab bars, tub and shower seats, fasteners, and mounting devices shall meet the following specifications in Sections:

1115B.7.2.1 Bending stress in a grab bar or seat induced by the maximum bending moment from the application of a 250 pound point load shall be less than the allowable stress for the material of the grab bar or seat.

1115B.7.2.2 Shear stress induced in a grab bar or seat by the application of a 250 pound point load shall be less than the allowable shear stress for the material of the grab bar or seat, and its mounting bracket or other support is considered to be fully restrained, then direct and torsional shear stresses shall not exceed the allowable shear stress.

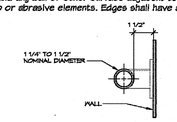
1115B.7.2.3 Shear force induced in fastener or mounting device from the application of a 250 pound point load shall be less than the allowable lateral load of either the fastener or mounting device or the supporting structure, whichever is the smaller allowable load.

1115B.7.2.4 Tensile force induced in a fastener by a direct tension force of a 250 pound point load, plus the maximum moment from the application of a 250 pound point load, shall be less than the allowable withdrawal load between the fastener and supporting structure.

1115B.7.2.5 Grab bars shall not rotate within their fittings.

1115B.7.3 Surface

A grab bar and any wall or other surface adjacent to it shall be free of any sharp or abrasive elements. Edges shall have a minimum radius of 1/8 inch.



TOILET ACCESSORIES

1115B.8.1 Mirrors

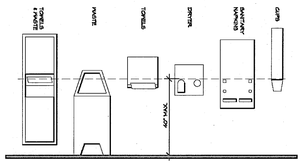
Mirrors shall be mounted with the bottom edge no higher than 40 inches from the floor.

1115B.8.3 Towel, sanitary napkins, waste receptacles.

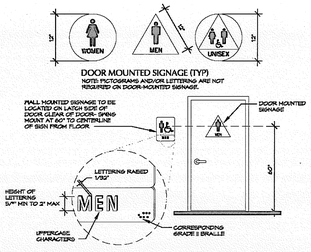
Where towel, sanitary napkins, waste receptacles, and other similar dispensing and disposal fixtures are provided at least one of each type shall be located with all operable parts, including coin slots, within 40 inches from the finished floor.

1115B.8.4 Toilet tissue dispenser.

Toilet tissue dispensers shall be located on the wall within 12 inches of the front edge of the toilet seat below grab bar, a minimum of 19" abv. floor. Dispensers that control delivery or that do not permit continuous paper flow shall not be used.



TOILET ROOM SIGNAGE



WATER FOUNTAINS (Drinking)

1115b.4.6.1 General

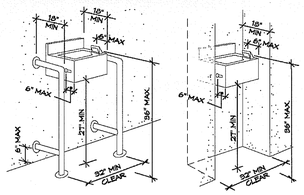
Where water fountains are provided, they shall comply with this section. In new construction, where only one drinking fountain is provided on a floor, there shall be a drinking fountain which is accessible to individuals who use wheelchairs and one accessible to those who have difficulty bending or stooping (this can be accomplished by the use of hi-lo fountain or by such other means as would achieve the required accessibility for each group on each floor.) In new construction, where more than one drinking fountain or water- cooler is provided on a floor, 50 percent of those provided shall comply and shall be on an accessible route.

1117B.4.6.3 Alcoves

Water fountains shall be located completely within alcoves or otherwise positioned so as not encroach into pedestrian ways. The alcove in which the water fountain is located shall not be less than 32 inches in width and 18 inches in depth.

Exception: When the enforcing agency determines that it would create an unreasonable hardship to locate the water fountain in an alcove, the water fountain may project into the path of travel, and the path of travel shall be identifiable to the blind as follows:

1. Wing walls shall be provided on each side of the water fountain. The wing walls shall project out from the supporting wall at least as far as the water fountain to within 6 inches of the surface of the path of travel. Also, there shall be a minimum of 32 inches clear between the wing walls.



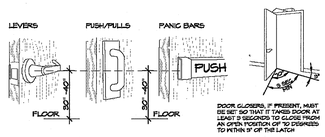
HARDWARE

1133B.2.5.2

Hand activated door-opening hardware shall be centered between 30 inches and 44 inches above the floor. Latching and locking doors that are hand-activated and which are in the path of travel shall be operable with a single effort by lever-type hardware, panic bars, push-pull activating bars, or other hardware designed to provide passage without requiring the ability to grasp the opening hardware. Locked exit doors shall operate as above in egress direction

1133B.2.5 Hardware - Effort to operate doors.

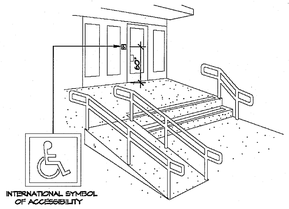
Maximum effort to operate doors shall not exceed 5 pounds for exterior doors and 5 pounds for interior doors, such pull or push effort being applied at right angles to hinged doors and at the center plane of sliding or folding doors. Compensating devices or automatic door operators may be utilized to meet the above standards. When fire doors are required, the maximum effort to operate the door may be increased to the minimum allowable by the appropriate administrative authority, not to exceed 15 pounds.



ENTRANCE SIGNAGE

1127B.3

At every entrance and at every major junction along or leading to an accessible route of travel, there shall be a sign displaying the international symbol of accessibility. Signs shall indicate the direction to accessible building entrances and facilities and comply with the requirements found in sections 1117B/5.1 item 2 and 1117B.5.8.1



ELECTRICAL

1117B.6.5.1

The center of receptacle outlets of 30 amperes or less shall be installed not less than 15 inches or more than 48 inches above the floor.

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601 N. HARBOR BLVD.
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FAX 714/871-1153
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PITASSI ARCHITECTS ,INC.
8439 White Oak Ave., Suite. 105
Rancho Cucamonga, Ca 91730
Tel. 909-980-1361 ▪ Fax. 909-944-5814
e-mail. pjpaia@pitassiarchitects.com

CONSULTANT:

PERRIS VALLEY Big League Dreams

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SHEET TITLE

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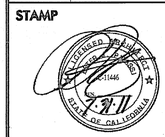

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