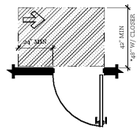
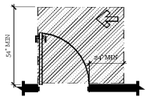
2009 ANSI A117.1 ACCESSIBILITY GUIDELINES

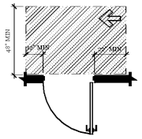
DOORWAY APPROACHES



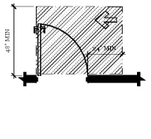
LATCH APPROACH
PUSH SIDE



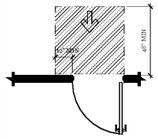
LATCH APPROACH
PULL SIDE
PROVIDED W/ CLOSER



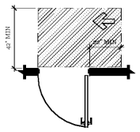
HINGE APPROACH
PUSH SIDE
DOOR WITH BOTH CLOSER & LATCH



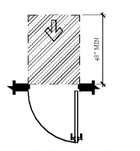
LATCH APPROACH
PULL SIDE



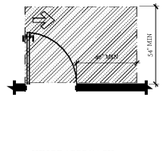
FRONT APPROACH
PUSH SIDE
DOOR WITH BOTH CLOSER & LATCH



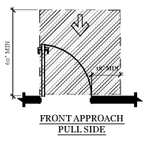
HINGE APPROACH
PUSH SIDE



FRONT APPROACH
PUSH SIDE

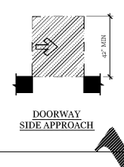


HINGE APPROACH
PULL SIDE

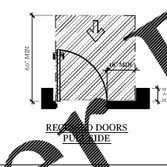


FRONT APPROACH
PULL SIDE

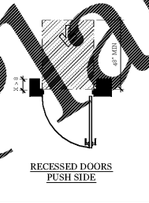
HINGE APPROACH
PULL SIDE



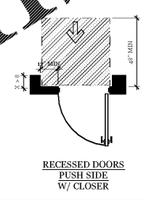
DOORWAY
SIDE APPROACH



RECESSED DOORS
PULL SIDE

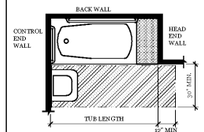


RECESSED DOORS
PUSH SIDE

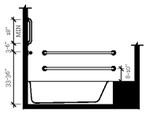


RECESSED DOORS
PULL SIDE
W/ CLOSER

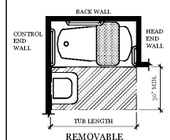
TUBS



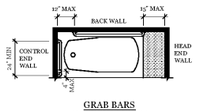
PERMANANT
SEAT



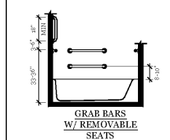
GRAB BARS
W/ PERMANENT
SEATS
ELEVATION



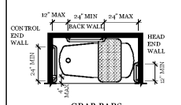
REMOVABLE
IN-TUB SEAT



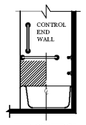
GRAB BARS
W/ PERMANENT
SEATS
PLAN



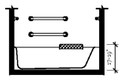
GRAB BARS
W/ REMOVABLE
SEATS
ELEVATION



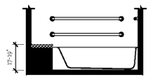
GRAB BARS
W/ REMOVABLE
SEATS
PLAN



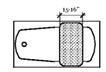
TUB CONTROL
LOCATION



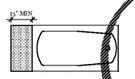
TUB SEAT
REMOVABLE SEAT
ELEVATION



TUB SEAT
PERMANENT SEAT
ELEVATION

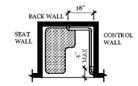


TUB SEAT
REMOVABLE SEAT
PLAN

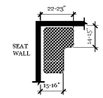


TUB SEAT
PERMANENT SEAT
PLAN

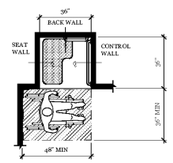
SHOWERS



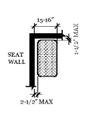
GRAB BARS FOR
TRANSFER TYPE
SHOWERS



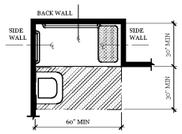
SEAT SIZE
& LOCATION
L SHAPED



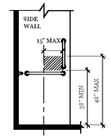
TRANSFER TYPE SHOWER
COMPARTMENT SIZE &
CLEARANCES



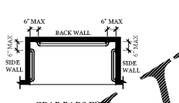
SEAT SIZE
& LOCATION



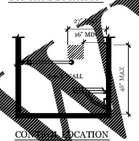
ROLL-IN TYPE SHOWER
COMPARTMENT SIZE &
CLEARANCES



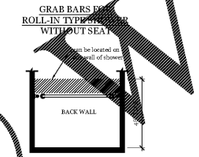
TRANSFER TYPE SHOWER
CONTROL LOCATION



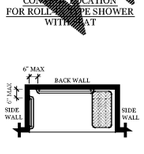
GRAB BARS FOR
ROLL-IN TYPE SHOWER
WITHOUT SEAT



CONTROL LOCATION
FOR ROLL-IN TYPE SHOWER
WITH SEAT



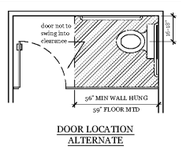
CONTROL LOCATION
FOR ROLL-IN TYPE SHOWER
WITHOUT SEAT



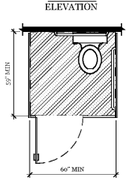
GRAB BARS FOR
ROLL-IN TYPE SHOWER
WITH SEAT

TOILETS (CONTINUED)

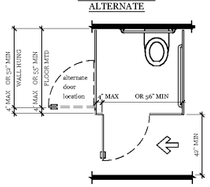
TOE CLEARANCE
AT STALLS
ELEVATION



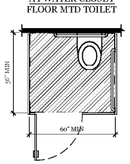
DOOR LOCATION
ALTERNATE



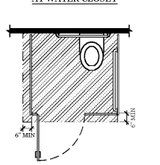
STALL CLEARANCE
AT WATER CLOSET
FLOOR MTD TOILET



DOOR LOCATION
AT WATER CLOSET

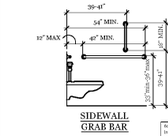


STALL CLEARANCE
AT WATER CLOSET
WALL HUNG TOILET

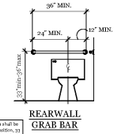


TOE CLEARANCE
AT STALLS
PLAN

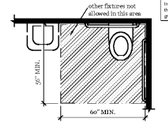
TOILETS (CONTINUED)



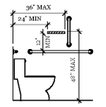
SIDEWALL
GRAB BAR



REARWALL
GRAB BAR

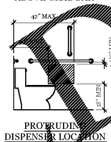


CLEARANCE AT
WATER CLOSET



PROTRUDING
DISPENSER LOCATION
ABOVE GRAB BAR

WALL-HUNG
URINAL
ELEVATION



PROTRUDING
DISPENSER LOCATION
BELOW GRAB BAR

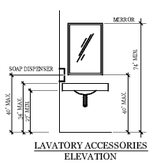
18" MIN
ACCESSIBLE
TOILET LOCATION

RECESSED
DISPENSER LOCATION

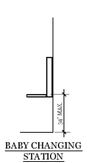
DRINKING FOUNTAINS

LAVATORY CLEARANCES
PLAN

LAVATORY CLEARANCES
ELEVATION

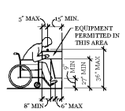


LAVATORY ACCESSORIES
ELEVATION

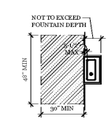


BABY CHANGING
STATION
ELEVATION

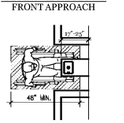
DRINKING FOUNTAINS



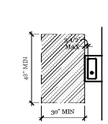
FREESTANDING
FOUNTAIN OR COOLER
FRONT APPROACH



BUILT-IN
FOUNTAIN OR COOLER

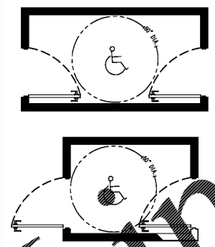


FREESTANDING
FOUNTAIN OR COOLER
FRONT APPROACH

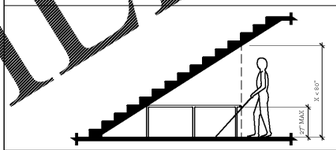


FREESTANDING
FOUNTAIN OR COOLER
SIDE APPROACH

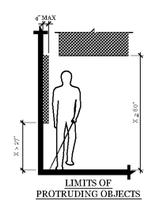
DOORS IN A SERIES



VERTICAL CLEARANCE

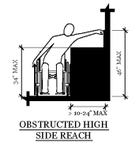


PROTRUDING OBJECTS



REACH RANGES

OBSTRUCTED HIGH
SIDE REACH



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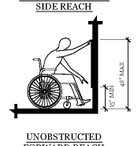
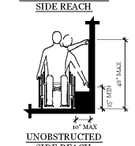


UNOBSTRUCTED
FORWARD REACH



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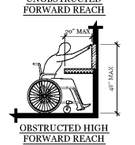

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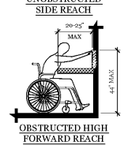
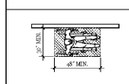


OBSTRUCTED HIGH
FORWARD REACH

CLEAR FLOOR SPACE



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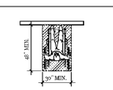

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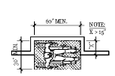
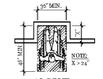


ALCOVE
CLEARANCES
PARALLEL APPROACH



ALCOVE
CLEARANCES
FORWARD APPROACH

TURNING
SPACE

ACCESSIBILITY NOTES

1. THE REQUIRED CLEARANCE AROUND WATER CLOSETS SHALL BE PERMITTED TO OVERLAP THE WATER CLOSET, ASSOCIATED GRAB BARS, TOILET DISPENSERS, SANITARY NAPKIN DISPOSAL UNITS, SHELVES, AND ACCESSIBLE ROUTES. CLOSET COMPARTMENT CLEARANCES REQUIRED FOR ATTENDANTS, AND FOR TURNING SPACE, SHALL BE PERMITTED TO OVERLAP NO OTHER FIXTURE OR OCCUPATION SHALL BE PERMITTED WITHIN THE REQUIRED WATER CLOSET CLEARANCE.

2. SEAT HEIGHT OF WATER CLOSETS SHALL BE 17-19" MAXIMUM.

3. FLUSH CONTROLS FOR WATER CLOSETS SHALL BE HAND OPERATED OR AUTOMATIC. HAND CONTROLS SHALL BE LOCATED ON THE OPEN SIDE OF THE WATER CLOSET.

4. MIRRORS LOCATED ABOVE LAVATORIES OR COUNTERTOPS SHALL BE INSTALLED WITH THE BOTTOM EDGE OF THE REFLECTING SURFACE 40 INCHES MAXIMUM ABOVE THE FINISH FLOOR. MIRRORS NOT LOCATED ABOVE LAVATORIES OR COUNTERTOPS SHALL BE INSTALLED WITH THE BOTTOM EDGE OF THE REFLECTING SURFACE 35 INCHES MAXIMUM ABOVE THE FINISH FLOOR. FULL LENGTH MIRROR TOPS TO BE AT 74 INCHES MIN.

5. LAVATORY DISPENSERS SHALL BE WITHIN THE REACH RANGE OF 46".

6. GRAB BARS AND REINFORCEMENT MUST BE SUFFICIENT TO PERMIT THE INSTALLATION OF GRAB BARS AT THE SIDE WALL GRAB BARS THAT FULLY COMPLY WITH ACCESSIBILITY REQUIREMENTS REGARDING, BUT NOT LIMITED TO, REQUIRED LENGTH, INSTALLATION HEIGHT, AND STRUCTURAL STRENGTH.

7. HAND OPERATED METERING FAUCETS AT LAVATORIES SHALL REMAIN OPEN FOR 10 SECONDS.

8. WATER SUPPLY AND DRAIN PIPES UNDER LAVATORIES AND SINKS SHALL BE INSULATED OR OTHERWISE CONFIGURED TO PROTECT AGAINST CONTACT. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES AND SINKS.

9. NO MORE THAN ONE BOWL OF A MULTI-BOWL SINK SHALL BE REQUIRED TO PROVIDE KNEE AND TOE CLEARANCES.

10. A SHOWER SPRAY UNIT WITH A HOSE 59 INCHES LONG MINIMUM THAT CAN BE USED BOTH AS A FIXED-POSITION SHOWER HEAD AND AS A HAND-HELD SHOWER SHALL BE PROVIDED. THE SHOWER SPRAY UNIT SHALL HAVE AN ON/OFF CONTROL WITH A NON-POSITIVE SHUT-OFF. IF AN ADJUSTABLE-HEIGHT SHOWER HEAD ON A VERTICAL BAR IS USED, THE BAR SHALL BE INSTALLED SO AS NOT TO OBSTRUCT THE USE OF GRAB BARS.

11. THRESHOLDS IN ROLL-IN TYPE SHOWER COMPARTMENTS SHALL BE 1/2 INCH HIGH MAXIMUM. THRESHOLDS SHALL BE BEVELED OR ROUNDED.
*EXCEPTION: A THRESHOLD OF 2 INCHES MAXIMUM SHALL BE PERMITTED IN TRANSFER TYPE SHOWERS IN EXISTING FACILITIES WHERE 1/2 INCH THRESHOLD WOULD DISTURB THE STRUCTURAL REINFORCEMENT OF THE FLOOR SLAB.

12. SWIMMING POOLS SHALL HAVE TWO ACCESSIBLE MEANS OF ENTRY.
*EXCEPTION: WHERE A SWIMMING POOL HAS LESS THAN 300 LINEAR FEET OF SWIMMING POOL WALL, 300 MORE THAN ONE ACCESSIBLE MEANS OF ENTRY SHALL BE REQUIRED, PROVIDED IT IS A LIFT.

13. WASHING MACHINES & DRYERS: TOP LOADING MACHINES SHALL HAVE THE DOOR TO THE LAUNDRY COMPARTMENT LOCATED 36 INCHES MAXIMUM ABOVE FLOOR. FRONT LOADING MACHINES SHALL HAVE THE BOTTOM OF THE OPENING TO THE LAUNDRY COMPARTMENT LOCATED 15 INCHES MINIMUM AND 36 INCHES MAXIMUM ABOVE FLOOR.

14. TACTILE CHARACTERS ON SIGNS SHALL BE LOCATED 48 INCHES MINIMUM ABOVE THE FINISH FLOOR, MEASURED FROM THE BASELINE OF THE LOWEST TACTILE CHARACTER AND 60 INCHES MAXIMUM ABOVE THE FINISH FLOOR, MEASURED FROM THE BASELINE OF THE HIGHEST TACTILE CHARACTER.

15. ALL DOOR CONTROLS AREA TO BE "LEVER" HANDLE TYPE CONFORMING TO "ADA" STANDARDS FOR HANDICAPPED ACCESSIBILITY.

16. ALL DOORS NOTED AS "EXIT" DOORS IN THE REMARKS COLUMN OF THE DOOR SCHEDULE, ARE TO BE OPERABLE FROM INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT.

17. DOORS SHALL NOT SWING IN TO THE CLEAR FLOOR SPACE OR CLEARANCE REQUIRED FOR ANY FIXTURE. DOORS SHALL BE PERMITTED TO SWING INTO THE REQUIRED TURNING SPACE.
*EXCEPTION: DOORS TO A TOILET ROOM OR BATHING ROOM FOR A SINGLE OCCUPANT ACCESSED ONLY THROUGH A PRIVATE OFFICE AND NOT FOR COMMON USE OR PUBLIC USE SHALL BE PERMITTED TO SWING IN TO THE CLEAR FLOOR SPACE OR CLEARANCE PROVIDED THE SWING OF THE DOOR CAN BE REVERSED AND COMPLY WITH STATED ABOVE.

18. THE MINIMUM CLEAR WIDTH OF AN ACCESSIBLE ROUTE SHALL BE 36" EXCEPT AT DOORS.

19. DOORWAYS SHALL PROVIDE A CLEAR OPENING OF 32" MINIMUM, WITH THE DOOR OPEN 90°.

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