

ADA & DWELLING UNIT NOTES

SECTION 603-610

603 TOILET AND BATHING ROOMS

603.1 GENERAL. TOILET AND BATHING ROOM SHALL COMPLY WITH 603.

603.2 CLEARANCES. CLEARANCES SHALL COMPLY WITH 603.2.

603.2.1 TURNING SPACE. TURNING SPACE COMPLYING WITH 304.1 SHALL BE PROVIDED WITHIN THE ROOM.

603.2.2 OVERLAP. REQUIRED CLEAR FLOOR SPACES, CLEARANCE AT FIXTURES, AND TURNING SPACE SHALL BE PERMITTED TO OVERLAP.

603.2.3 DOOR SWING. DOORS SHALL NOT SWING INTO THE CLEAR FLOOR SPACE OR CLEARANCE REQUIRED FOR ANY FIXTURE. DOORS SHALL BE PERMITTED TO SWING INTO THE REQUIRED TURNING SPACE.

EXCEPTIONS:  
1. DOORS TO A TOILET ROOM OR BATHING ROOM FOR A SINGLE OCCUPANT OCCUPANCY ACCESS ONLY THROUGH A PRIVATE OFFICE AND NOT FOR COMMON USE OR PUBLIC USE SHALL BE PERMITTED TO SWING INTO THE CLEAR FLOOR SPACE OR CLEARANCE PROVIDED THE SWING OF THE DOOR CAN BE REVERSED TO COMPLY WITH 603.2.3.  
2. WHERE THE TOILET ROOM OR BATHING ROOM IS FOR INDIVIDUAL USE AND A CLEAR FLOOR SPACE COMPLYING WITH 305.3 IS PROVIDED WITHIN THE ROOM BEYOND THE ARCH OF THE DOOR SWING, DOORS SHALL BE PERMITTED TO SWING INTO THE CLEAR FLOOR SPACE OR CLEARANCE REQUIRED FOR ANY FIXTURE.

ADVISORY 603.2.3 DOOR SWING. EXCEPTION:  
1. AT THE TIME THE DOOR IS INSTALLED, AND IF THE DOOR SWING IS REVERSED IN THE FUTURE, THE DOOR SHALL MEET ALL THE REQUIREMENTS SPECIFIED IN 404. ADDITIONALLY, THE DOOR SWING CANNOT REDUCE THE REQUIRED WIDTH OF AN ACCESSIBILITY ROUTE. 2.5. AVOID VIOLATING OTHER BUILDING OR LIFE SAFETY CODES WHEN THE DOOR SWING IS REVERSED.

603.3 MIRRORS. MIRRORS LOCATED ABOVE LAVATORIES OR COUNTERTOPS SHALL BE INSTALLED WITH THE BOTTOM EDGE OF THE REFLECTING SURFACE 48 INCHES (1200 MM) MAXIMUM ABOVE THE FINISH FLOOR OR GROUND. MIRRORS NOT LOCATED ABOVE LAVATORIES OR COUNTERTOPS SHALL BE INSTALLED WITH THE BOTTOM EDGE OF THE REFLECTING SURFACE 38 INCHES (980 MM) MAXIMUM ABOVE THE FINISH FLOOR OR GROUND.

ADVISORY 603.3 MIRRORS.  
A SINGLE FULL-LENGTH MIRROR CAN ACCOMMODATE A GREATER NUMBER OF PEOPLE, INCLUDING CHILDREN, IN ORDER FOR MIRRORS TO BE USABLE BY PEOPLE WHO ARE AMBULATORY AND PEOPLE WHO USE WHEELCHAIRS. THE TOP EDGE OF MIRRORS SHOULD BE 74 INCHES (1880 MM) MINIMUM FROM THE FLOOR OR GROUND.

603.4 COAT HOOKS AND SHELVES. COAT HOOKS SHALL BE LOCATED WITHIN ONE OF THE REACH RANGES SPECIFIED IN 308. SHELVES SHALL BE LOCATED 40 INCHES (1015 MM) MINIMUM AND 48 INCHES (1220 MM) MAXIMUM ABOVE THE FINISH FLOOR.

604 WATER CLOSETS AND TOILET COMPARTMENTS

604.1 GENERAL. WATER CLOSET AND TOILET COMPARTMENTS SHALL COMPLY WITH 604.2 THROUGH 604.8.

EXCEPTION:  
WATER CLOSETS AND TOILETS FOR CHILDREN USE SHALL BE PERMITTED TO COMPLY WITH 604.1.

604.2 LOCATION. THE WATER CLOSET SHALL BE POSITIONED WITH A WALL OR PARTITION TO THE REAR AND TO ONE SIDE. THE CENTERLINE OF THE WATER CLOSET SHALL BE 16 INCHES (405 MM) MINIMUM TO 19 INCHES (485 MM) MAXIMUM FROM THE SIDE WALL OR PARTITION, EXCEPT THAT THE WATER CLOSET SHALL BE 17 INCHES (430 MM) MINIMUM AND 19 INCHES (485 MM) MAXIMUM FROM THE SIDE WALL OR PARTITION IN THE AMBULATORY ACCESSIBLE TOILET COMPARTMENT SPECIFIED IN 604.2.2. THE WATER CLOSET SHALL BE ARRANGED FOR A LEFT-HAND OR RIGHT-HAND APPROACH.

CLEARANCE. CLEARANCES AROUND WATER CLOSETS AND IN TOILET COMPARTMENTS SHALL COMPLY WITH 604.3.

604.3.1 SIZE. CLEARANCE AROUND A WATER CLOSET SHALL BE 80 INCHES (1525 MM) MINIMUM MEASURED PERPENDICULAR FROM THE SIDE WALL AND 50 INCHES (1265 MM) MINIMUM MEASURED PERPENDICULAR FROM THE REAR WALL.

604.3.2 OVERLAP. THE REQUIRED CLEARANCE AROUND THE WATER CLOSET SHALL BE PERMITTED TO OVERLAP THE WATER CLOSET, ASSOCIATED GRAB BARS, DISPENSERS, SANITARY NAPKIN DISPENSERS, COAT HOOKS, SHELVES, ACCESSIBLE ROUTES, CLEAR FLOOR SPACE AND CLEARANCES REQUIRED AT OTHER FIXTURES, AND THE TURNING SPACE. NO OTHER FIXTURES OR OBSTRUCTIONS SHALL BE LOCATED WITHIN THE REQUIRED WATER CLOSET CLEARANCE.

EXCEPTION:  
IN RESIDENTIAL DWELLING UNITS, A LAVATORY COMPLYING WITH 608 SHALL BE PERMITTED ON THE REAR WALL 16 INCHES (405 MM) MINIMUM FROM THE WATER CLOSET CENTERLINE WHERE THE CLEARANCE AT THE WATER CLOSET 58 INCHES (1475 MM) MINIMUM MEASURED PERPENDICULAR FROM THE REAR WALL.

ADVISORY 604.3.2 OVERLAP.  
WHEN THE DOOR TO THE TOILET ROOM IS PLACED DIRECTLY IN FRONT OF THE WATER CLOSET, THE WATER CLOSET CANNOT OVERLAP THE REQUIRED MANEUVERING CLEARANCE FOR THE DOOR INSIDE THE ROOM.

604.4 SEATS. THE SEAT HEIGHT OF A WATER CLOSET ABOVE THE FINISH FLOOR SHALL BE 17 INCHES (430 MM) MINIMUM AND 19 INCHES (485 MM) MAXIMUM MEASURED TO THE TOP OF THE SEAT. SEATS SHALL NOT BE SPRUNG TO RETURN TO A LIFTED POSITION.

EXCEPTIONS:  
1. A WATER CLOSET IN A TOILET ROOM FOR A SINGLE OCCUPANT ACCESSED ONLY THROUGH A PRIVATE OFFICE AND NOT FOR COMMON USE OR PUBLIC USE SHALL NOT BE REQUIRED TO COMPLY WITH 604.4.  
2. IN RESIDENTIAL DWELLING UNITS, THE HEIGHT OF WATER CLOSET SEAT SHALL BE PERMITTED TO BE 16 INCHES (380 MM) MINIMUM AND 19 INCHES (485 MM) MAXIMUM ABOVE THE FINISH FLOOR MEASURED TO THE TOP OF THE SEAT.

604.5 GRAB BARS. GRAB BARS FOR WATER CLOSETS SHALL COMPLY WITH 609. GRAB BARS SHALL BE PROVIDED ON THE SIDE WALL CLOSING TO THE WATER CLOSET AND ON THE REAR WALL.

EXCEPTIONS:  
1. GRAB BARS SHALL NOT BE REQUIRED TO BE INSTALLED IN A TOILET ROOM FOR A SINGLE OCCUPANT ACCESS ONLY THROUGH A PRIVATE OFFICE AND NOT FOR COMMON USE OR PUBLIC USE.  
2. IN RESIDENTIAL DWELLING UNITS, GRAB BARS SHALL NOT BE REQUIRED TO BE INSTALLED IN TOILET OR BATHROOMS PROVIDED THAT REINFORCEMENT HAS BEEN INSTALLED IN THE WALLS AND LOCATED SO AS TO PERMIT THE INSTALLATION OF GRAB BARS COMPLYING WITH 604.5.  
3. IN DETENTION OR CORRECTION FACILITIES, GRAB BARS SHALL NOT BE REQUIRED TO BE INSTALLED IN HOLDING OR HOLDING CELLS THAT ARE SPECIFICALLY DESIGNED WITHOUT PROVISIONS FOR PURPOSES OF SUICIDE PREVENTION.

ADVISORY 604.5 GRAB BARS EXCEPTION 2.  
REINFORCEMENT MUST BE SUFFICIENT TO PERMIT THE INSTALLATION OF GRAB BARS AND SIDE WALL GRAB BARS THAT FULLY MEET ALL ACCESSIBILITY REQUIREMENTS INCLUDING, BUT NOT LIMITED TO, INSTALLATION HEIGHT, AND STRUCTURAL STRENGTH.

604.5.1 SIDE WALL. THE SIDE WALL GRAB BAR SHALL BE 42 INCHES (1065 MM) LONG MINIMUM. LOCATED 12 INCHES (305 MM) MAXIMUM FROM THE REAR WALL AND EXTENDING 50 INCHES (1270 MM) MINIMUM FROM THE REAR WALL.

604.5.2 REAR WALL. THE REAR WALL GRAB BAR SHALL BE 30 INCHES (765 MM) LONG MINIMUM AND EXTEND FROM THE CENTERLINE OF THE WATER CLOSET 12 INCHES (305 MM) MINIMUM AND 24 INCHES (610 MM) MAXIMUM ON THE OTHER SIDE.

EXCEPTIONS:  
1. THE REAR GRAB BAR SHALL BE PERMITTED TO BE 24 INCHES (610 MM) LONG MINIMUM, CENTERED ON THE WATER CLOSET, WHERE WALL SPACE DOES NOT PERMIT A LENGTH OF 30 INCHES (765 MM) MINIMUM DUE TO THE LOCATION OF A RECESSED FIXTURE ADJACENT TO THE WATER CLOSET.  
2. WHERE AN ADMINISTRATIVE AUTHORITY REQUIRES FLUSH CONTROLS FOR THE FLUSH VALVES TO BE LOCATED IN A POSITION THAT CONFLICTS WITH THE LOCATION OF THE REAR GRAB BAR, THEN THE REAR GRAB BAR SHALL BE PERMITTED TO BE SPILT OR SHIFTED TO THE OPEN SIDE OF THE TOILET AREA.

604.6 FLUSH CONTROLS. FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC. HAND OPERATED FLUSH CONTROLS SHALL COMPLY WITH 608. FLUSH CONTROLS SHALL BE LOCATED ON THE OPEN SIDE OF THE WATER CLOSET EXCEPT IN AMBULATORY ACCESSIBLE COMPARTMENTS COMPLYING WITH 604.2.

ADVISORY 604.6 FLUSH CONTROLS.  
IF PLUMBING VALVES ARE LOCATED DIRECTLY BEHIND THE TOILET SEAT, FLUSH VALVES AND RELATED PLUMBING CAN CAUSE INJURY OR IMBALANCE WHEN A PERSON LEANS BACK AGAINST THEM TO PREVENT CAUSING INJURY OR IMBALANCE. THE PLUMBING SHALL BE LOCATED BEHIND WALLS OR TO THE SIDE OF THE TOILET, OR IF APPROVED BY THE LOCAL AUTHORITY HAVING JURISDICTION, PROVIDE A TOILET SEAT LID.

604.7 DISPENSERS. TOILET PAPER DISPENSERS SHALL COMPLY WITH 609. GRAB BARS SHALL BE 7 INCHES (180 MM) MINIMUM AND 19 INCHES (203 MM) MAXIMUM IN FRONT OF THE WATER CLOSET MEASURED TO THE CENTERLINE OF THE DISPENSER. THE OUTLET OF THE DISPENSER SHALL BE 15 INCHES (380 MM) MINIMUM AND 48 INCHES (1220 MM) MAXIMUM ABOVE THE FINISH FLOOR AND SHALL NOT BE LOCATED BEHIND GRAB BARS OR TOILET DISPENSERS SO THAT THEY ARE CONVENIENTLY USABLE BY A PERSON AT THE CONTINUOUS PAPER FLOW.

ADVISORY 604.7 DISPENSERS.  
IF THE TOILET PAPER DISPENSERS ARE INSTALLED ABOVE THE SIDE WALL GRAB BAR, THE OUTLET OF THE TOILET PAPER DISPENSER MUST BE 48 INCHES (1220 MM) MAXIMUM ABOVE THE FINISH FLOOR AND THE TOP OF THE GRIPPING SURFACE OF THE GRAB BAR MUST BE 31 INCHES (790 MM) MINIMUM AND 48 INCHES (1215 MM) MAXIMUM ABOVE THE FINISH FLOOR.

604.8 TOILET COMPARTMENTS. WHEELCHAIR ACCESSIBLE TOILET COMPARTMENTS SHALL MEET THE REQUIREMENTS OF 604.8.1 AND 604.8.2. COMPARTMENTS CONTAINING MORE THAN ONE PLUMBING FIXTURE SHALL COMPLY WITH 603. AMBULATORY ACCESSIBLE COMPARTMENTS SHALL COMPLY WITH 604.2 AND 604.3.

604.8.1 WHEELCHAIR ACCESSIBLE COMPARTMENTS. WHEELCHAIR ACCESSIBLE COMPARTMENTS SHALL COMPLY WITH 604.8.1.

604.8.1.1 SIZE. WHEELCHAIR ACCESSIBLE COMPARTMENTS SHALL BE 60 INCHES (1525 MM) WIDE MINIMUM MEASURED PERPENDICULAR TO THE SIDE WALL AND 50 INCHES (1265 MM) DEEP MINIMUM FOR WALL HUNG WATER CLOSETS AND 59 INCHES (1500 MM) DEEP MINIMUM FOR FLOOR MOUNTED WATER CLOSETS. MEASURED PERPENDICULAR TO THE REAR WALL, WHEELCHAIR ACCESSIBLE COMPARTMENTS FOR CHILDREN USE SHALL BE 60 INCHES (1525 MM) WIDE MINIMUM MEASURED PERPENDICULAR TO THE SIDE WALL AND 59 INCHES (1500 MM) DEEP MINIMUM FOR WALL HUNG AND 60 INCHES (1525 MM) DEEP MINIMUM FOR FLOOR MOUNTED WATER CLOSETS MEASURED PERPENDICULAR TO THE REAR WALL.

ADVISORY 604.8.1.1 SIZE.  
THE MINIMUM SPACE REQUIRED IN TOILET COMPARTMENTS IS PROVIDED SO THAT A PERSON USING A WHEELCHAIR CAN MANEUVER INTO POSITION AT THE WATER CLOSET. THIS SPACE CANNOT BE OBSTRUCTED BY BABY CHANGING TABLES OR OTHER FIXTURES OR CONVENIENCES, EXCEPT AS SPECIFIED AT 604.2.2 OVERLAP. IF THE TOILET COMPARTMENT IS TO BE USED TO HOUSE FIXTURES OTHER THAN THOSE ASSOCIATED WITH THE WATER CLOSET, THEY MUST BE DESIGNED TO EXCEED THE MINIMUM SPACE REQUIREMENTS. CONVENIENCE FIXTURES SUCH AS BABY CHANGING TABLES MUST ALSO BE ACCESSIBLE TO PEOPLE WITH DISABILITIES AS WELL AS TO OTHER USERS. TOILET COMPARTMENTS THAT ARE DESIGNED TO MEET, AND NOT EXCEED, THE MINIMUM SPACE REQUIREMENTS MAY NOT PROVIDE ADEQUATE SPACE FOR MANEUVERING INTO POSITION AT A BABY CHANGING TABLE.

604.8.2 DOORS. TOILET COMPARTMENT DOORS, INCLUDING DOOR HARDWARE, SHALL COMPLY WITH 404 EXCEPT THAT IF THE APPROACH IS TO THE LATCH SIDE OF THE COMPARTMENT DOOR, CLEARANCE BETWEEN THE DOOR SIDE OF THE COMPARTMENT AND ANY OBSTRUCTION SHALL BE 42 INCHES (1065 MM) MINIMUM. DOORS SHALL BE LOCATED IN THE FRONT PARTITION OR THE SIDE WALL OR PARTITION FARTHEST FROM THE WATER CLOSET, WHERE LOCATED IN THE FRONT PARTITION, THE DOOR OPENING SHALL BE 4 INCHES (100 MM) MAXIMUM FROM THE SIDE WALL OR PARTITION FARTHEST FROM THE WATER CLOSET. WHERE LOCATED IN THE SIDE WALL OR PARTITION, THE DOOR OPENING SHALL BE 4 INCHES (100 MM) MAXIMUM FROM THE FRONT PARTITION. THE DOOR SHALL BE SELF-CLOSING, A DOOR PULL AT CHILDREN'S USE SHALL BE LOCATED ON BOTH SIDES OF THE DOOR NEAR THE LATCH. TOILET COMPARTMENT DOORS SHALL NOT SWING INTO THE MINIMUM REQUIRED COMPARTMENT AREA.

604.8.3 APPROACH. COMPARTMENTS SHALL BE ARRANGED FOR LEFT-HAND OR RIGHT-HAND APPROACH TO THE WATER CLOSET.

604.8.3.1 SIZE. CLEARANCE AROUND A WATER CLOSET SHALL BE 80 INCHES (1525 MM) MINIMUM MEASURED PERPENDICULAR FROM THE SIDE WALL AND 50 INCHES (1265 MM) MINIMUM MEASURED PERPENDICULAR FROM THE REAR WALL.

604.8.3.2 OVERLAP. THE REQUIRED CLEARANCE AROUND THE WATER CLOSET SHALL BE PERMITTED TO OVERLAP THE WATER CLOSET, ASSOCIATED GRAB BARS, DISPENSERS, SANITARY NAPKIN DISPENSERS, COAT HOOKS, SHELVES, ACCESSIBLE ROUTES, CLEAR FLOOR SPACE AND CLEARANCES REQUIRED AT OTHER FIXTURES, AND THE TURNING SPACE. NO OTHER FIXTURES OR OBSTRUCTIONS SHALL BE LOCATED WITHIN THE REQUIRED WATER CLOSET CLEARANCE.

EXCEPTION:  
IN RESIDENTIAL DWELLING UNITS, A LAVATORY COMPLYING WITH 608 SHALL BE PERMITTED ON THE REAR WALL 16 INCHES (405 MM) MINIMUM FROM THE WATER CLOSET CENTERLINE WHERE THE CLEARANCE AT THE WATER CLOSET 58 INCHES (1475 MM) MINIMUM MEASURED PERPENDICULAR FROM THE REAR WALL.

ADVISORY 604.8.3.2 OVERLAP.  
WHEN THE DOOR TO THE TOILET ROOM IS PLACED DIRECTLY IN FRONT OF THE WATER CLOSET, THE WATER CLOSET CANNOT OVERLAP THE REQUIRED MANEUVERING CLEARANCE FOR THE DOOR INSIDE THE ROOM.

604.8.4 SEATS. THE SEAT HEIGHT OF A WATER CLOSET ABOVE THE FINISH FLOOR SHALL BE 17 INCHES (430 MM) MINIMUM AND 19 INCHES (485 MM) MAXIMUM MEASURED TO THE TOP OF THE SEAT. SEATS SHALL NOT BE SPRUNG TO RETURN TO A LIFTED POSITION.

EXCEPTIONS:  
1. A WATER CLOSET IN A TOILET ROOM FOR A SINGLE OCCUPANT ACCESSED ONLY THROUGH A PRIVATE OFFICE AND NOT FOR COMMON USE OR PUBLIC USE SHALL NOT BE REQUIRED TO COMPLY WITH 604.8.4.  
2. IN RESIDENTIAL DWELLING UNITS, THE HEIGHT OF WATER CLOSET SEAT SHALL BE PERMITTED TO BE 16 INCHES (380 MM) MINIMUM AND 19 INCHES (485 MM) MAXIMUM ABOVE THE FINISH FLOOR MEASURED TO THE TOP OF THE SEAT.

604.8.5 GRAB BARS. GRAB BARS FOR WATER CLOSETS SHALL COMPLY WITH 609. GRAB BARS SHALL BE PROVIDED ON THE SIDE WALL CLOSING TO THE WATER CLOSET AND ON THE REAR WALL.

EXCEPTIONS:  
1. GRAB BARS SHALL NOT BE REQUIRED TO BE INSTALLED IN A TOILET ROOM FOR A SINGLE OCCUPANT ACCESS ONLY THROUGH A PRIVATE OFFICE AND NOT FOR COMMON USE OR PUBLIC USE.  
2. IN RESIDENTIAL DWELLING UNITS, GRAB BARS SHALL NOT BE REQUIRED TO BE INSTALLED IN TOILET OR BATHROOMS PROVIDED THAT REINFORCEMENT HAS BEEN INSTALLED IN THE WALLS AND LOCATED SO AS TO PERMIT THE INSTALLATION OF GRAB BARS COMPLYING WITH 604.5.  
3. IN DETENTION OR CORRECTION FACILITIES, GRAB BARS SHALL NOT BE REQUIRED TO BE INSTALLED IN HOLDING OR HOLDING CELLS THAT ARE SPECIFICALLY DESIGNED WITHOUT PROVISIONS FOR PURPOSES OF SUICIDE PREVENTION.

ADVISORY 604.8.5 GRAB BARS EXCEPTION 2.  
REINFORCEMENT MUST BE SUFFICIENT TO PERMIT THE INSTALLATION OF GRAB BARS AND SIDE WALL GRAB BARS THAT FULLY MEET ALL ACCESSIBILITY REQUIREMENTS INCLUDING, BUT NOT LIMITED TO, INSTALLATION HEIGHT, AND STRUCTURAL STRENGTH.

604.8.5.1 SIDE WALL. THE SIDE WALL GRAB BAR SHALL BE 42 INCHES (1065 MM) LONG MINIMUM. LOCATED 12 INCHES (305 MM) MAXIMUM FROM THE REAR WALL AND EXTENDING 50 INCHES (1270 MM) MINIMUM FROM THE REAR WALL.

604.8.5.2 REAR WALL. THE REAR WALL GRAB BAR SHALL BE 30 INCHES (765 MM) LONG MINIMUM AND EXTEND FROM THE CENTERLINE OF THE WATER CLOSET 12 INCHES (305 MM) MINIMUM AND 24 INCHES (610 MM) MAXIMUM ON THE OTHER SIDE.

EXCEPTIONS:  
1. THE REAR GRAB BAR SHALL BE PERMITTED TO BE 24 INCHES (610 MM) LONG MINIMUM, CENTERED ON THE WATER CLOSET, WHERE WALL SPACE DOES NOT PERMIT A LENGTH OF 30 INCHES (765 MM) MINIMUM DUE TO THE LOCATION OF A RECESSED FIXTURE ADJACENT TO THE WATER CLOSET.  
2. WHERE AN ADMINISTRATIVE AUTHORITY REQUIRES FLUSH CONTROLS FOR THE FLUSH VALVES TO BE LOCATED IN A POSITION THAT CONFLICTS WITH THE LOCATION OF THE REAR GRAB BAR, THEN THE REAR GRAB BAR SHALL BE PERMITTED TO BE SPILT OR SHIFTED TO THE OPEN SIDE OF THE TOILET AREA.

604.8.6 FLUSH CONTROLS. FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC. HAND OPERATED FLUSH CONTROLS SHALL COMPLY WITH 608. FLUSH CONTROLS SHALL BE LOCATED ON THE OPEN SIDE OF THE WATER CLOSET EXCEPT IN AMBULATORY ACCESSIBLE COMPARTMENTS COMPLYING WITH 604.2.

ADVISORY 604.8.6 FLUSH CONTROLS.  
IF PLUMBING VALVES ARE LOCATED DIRECTLY BEHIND THE TOILET SEAT, FLUSH VALVES AND RELATED PLUMBING CAN CAUSE INJURY OR IMBALANCE WHEN A PERSON LEANS BACK AGAINST THEM TO PREVENT CAUSING INJURY OR IMBALANCE. THE PLUMBING SHALL BE LOCATED BEHIND WALLS OR TO THE SIDE OF THE TOILET, OR IF APPROVED BY THE LOCAL AUTHORITY HAVING JURISDICTION, PROVIDE A TOILET SEAT LID.

606 LAVATORIES AND SINKS

606.1 GENERAL. LAVATORIES AND SINKS SHALL COMPLY WITH 606.

ADVISORY 606.1 GENERAL. IF SOAP AND TOWEL DISPENSERS ARE PROVIDED, THEY MUST BE LOCATED WITHIN THE REACH RANGES SPECIFIED IN 308. LOCATE SOAP AND TOWEL DISPENSERS SO THAT THEY ARE CONVENIENTLY USABLE BY A PERSON AT THE ACCESSIBLE LAVATORY.

606.2 CLEAR FLOOR SPACE. A CLEAR FLOOR SPACE COMPLYING WITH 305, POSITIONED FOR A FORWARD APPROACH, AND KNEE AND TOE CLEARANCE COMPLYING WITH 305 SHALL BE PROVIDED.

EXCEPTION:  
1. A PARALLEL APPROACH COMPLYING WITH 305 SHALL BE PERMITTED TO A KITCHEN SINK IN A SPACE WHERE A COOK TOP OR CONVENTIONAL RANGE IS NOT PROVIDED AND TO HOT BARS. 2. A LAVATORY IN A TOILET ROOM OR BATHING FACILITY FOR A SINGLE OCCUPANT ACCESSED ONLY THROUGH A PRIVATE OFFICE AND NOT FOR COMMON USE OR PUBLIC USE SHALL NOT BE REQUIRED TO PROVIDE KNEE AND TOE CLEARANCE COMPLYING WITH 305.

3. IN RESIDENTIAL DWELLING UNITS, CABINETS SHALL BE PERMITTED UNDER LAVATORIES AND KITCHEN SINKS PROVIDED THAT ALL OF THE FOLLOWING CONDITIONS ARE MET:  
a) THE CABINETS CAN BE REMOVED WITHOUT REMOVAL OR REPLACEMENT OF THE FIXTURE.  
b) THE FINISH FLOOR EXTENDS UNDER THE CABINETS; AND  
c) THE WALLS BEHIND AND SURROUNDING THE CABINETS ARE FINISHED.

606.2.1 CLEARANCE. A 30 INCH (760 MM) WIDE MINIMUM BY 40 INCH (1020 MM) LONG MINIMUM CLEARANCE SHALL BE PROVIDED ADJACENT TO THE OPEN FACE OF THE SHOWER COMPARTMENT.

EXCEPTION:  
A LAVATORY COMPLYING WITH 608 SHALL BE PERMITTED ON ONE 30 INCH (760 MM) WIDE MINIMUM SIDE OF THE CLEARANCE PROVIDED THAT IT IS NOT ON THE SIDE OF THE CLEARANCE ADJACENT TO THE CONTROLS OR WHERE PROVIDED; NOT ON THE SIDE OF THE CLEARANCE ADJACENT TO THE SHOWER SEAT.

606.2.2 STANDARD ROLL-IN TYPE SHOWER COMPARTMENTS. STANDARD ROLL-IN TYPE SHOWER COMPARTMENTS SHALL BE 30 INCHES (760 MM) WIDE MINIMUM BY 80 INCHES (1525 MM) DEEP MINIMUM CLEAR INSIDE DIMENSIONS MEASURED AT CENTER POINTS OF OPPOSING SIDES AND SHALL HAVE A 60 INCHES (1525 MM) WIDE MINIMUM ENTRY ON THE FACE OF THE SHOWER COMPARTMENT.

606.2.2.1 CLEARANCE. A 30 INCH (760 MM) WIDE MINIMUM BY 40 INCH (1020 MM) LONG MINIMUM CLEARANCE SHALL BE PROVIDED ADJACENT TO THE OPEN FACE OF THE SHOWER COMPARTMENT.

EXCEPTION:  
A LAVATORY COMPLYING WITH 608 SHALL BE PERMITTED ON ONE 30 INCH (760 MM) WIDE MINIMUM SIDE OF THE CLEARANCE PROVIDED THAT IT IS NOT ON THE SIDE OF THE CLEARANCE ADJACENT TO THE CONTROLS OR WHERE PROVIDED; NOT ON THE SIDE OF THE CLEARANCE ADJACENT TO THE SHOWER SEAT.

606.2.3 STANDARD ROLL-IN TYPE SHOWER COMPARTMENTS. STANDARD ROLL-IN TYPE SHOWER COMPARTMENTS SHALL BE 30 INCHES (760 MM) WIDE MINIMUM BY 80 INCHES (1525 MM) DEEP MINIMUM CLEAR INSIDE DIMENSIONS MEASURED AT CENTER POINTS OF OPPOSING SIDES. A 30 INCH (915 MM) WIDE MINIMUM ENTRY SHALL BE PROVIDED AT ONE END OF THE LONG SIDE OF THE SHOWER COMPARTMENT.

EXCEPTION:  
A LAVATORY COMPLYING WITH 608 SHALL BE PERMITTED ON ONE 30 INCH (760 MM) WIDE MINIMUM SIDE OF THE CLEARANCE PROVIDED THAT IT IS NOT ON THE SIDE OF THE CLEARANCE ADJACENT TO THE CONTROLS OR WHERE PROVIDED; NOT ON THE SIDE OF THE CLEARANCE ADJACENT TO THE SHOWER SEAT.

606.2.4 TERMINATE ROLL-IN TYPE SHOWER COMPARTMENTS. ALTERNATE ROLL-IN TYPE SHOWER COMPARTMENTS SHALL BE 30 INCHES (915 MM) WIDE AND 80 INCHES (1525 MM) DEEP MINIMUM CLEAR INSIDE DIMENSIONS MEASURED AT CENTER POINTS OF OPPOSING SIDES. A 30 INCH (915 MM) WIDE MINIMUM ENTRY SHALL BE PROVIDED AT ONE END OF THE LONG SIDE OF THE SHOWER COMPARTMENT.

EXCEPTION:  
A LAVATORY COMPLYING WITH 608 SHALL BE PERMITTED ON ONE 30 INCH (760 MM) WIDE MINIMUM SIDE OF THE CLEARANCE PROVIDED THAT IT IS NOT ON THE SIDE OF THE CLEARANCE ADJACENT TO THE CONTROLS OR WHERE PROVIDED; NOT ON THE SIDE OF THE CLEARANCE ADJACENT TO THE SHOWER SEAT.

606.2.5 HEIGHT, LAVATORIES AND SINKS SHALL BE INSTALLED WITH THE FRONT OF THE HIGHER OF THE RIM OR COUNTER SURFACE 34 INCHES (865 MM) MAXIMUM ABOVE THE FINISH FLOOR OR GROUND.

EXCEPTIONS:  
1. IN A TOILET OR BATHING FACILITY FOR A SINGLE OCCUPANT ACCESSED ONLY THROUGH A PRIVATE OFFICE AND NOT FOR COMMON USE OR PUBLIC USE SHALL NOT BE REQUIRED TO COMPLY WITH 606.3.

2. IN RESIDENTIAL DWELLING UNIT KITCHENS, SINKS THAT ARE ADJUSTABLE TO VARIABLE HEIGHTS, 30 INCHES (765 MM) MINIMUM AND 38 INCHES (915 MM) MAXIMUM SHALL BE PERMITTED WHERE ROUGH-IN PLUMBING PERMITS CONNECTIONS OF SUPPLY AND DRAIN PIPES FOR SINKS MOUNTED AT THE HEIGHT OF 29 INCHES (735 MM).

606.4 FAULTS. CONTROLS FOR WATER CLOSET SHALL COMPLY WITH 309. HAND OPERATED METERING FAULTS SHALL REMAIN OPEN FOR 10 SECONDS MINIMUM.

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

607 BATHTUBS

607.1 GENERAL. BATHTUBS SHALL COMPLY WITH 607.

607.2 CLEARANCE. CLEARANCE IN FRONT OF BATHTUBS SHALL EXTEND THE LENGTH OF THE BATHTUB AND SHALL BE 30 INCHES (760 MM) WIDE MINIMUM. A LAVATORY COMPLYING WITH 608 SHALL BE PERMITTED AT THE CONTROL END OF THE CLEARANCE.

607.3 SEAT. A PERMANENT SEAT AT THE HEAD END OF THE BATHTUB OR A REMOVABLE IN-TUB SEAT SHALL BE PROVIDED. SEATS SHALL COMPLY WITH 610.

607.4 GRAB BARS. GRAB BARS FOR BATHTUBS SHALL COMPLY WITH 609 AND GRAB BAR SHALL BE PROVIDED IN ACCORDANCE WITH 607.4.1 OR 607.4.2.

EXCEPTIONS:  
1. GRAB BARS SHALL NOT BE REQUIRED TO BE INSTALLED IN A BATHTUB LOCATED IN A BATHING FACILITY FOR A SINGLE OCCUPANT ACCESSED ONLY THROUGH A PRIVATE OFFICE AND NOT FOR COMMON USE OR PUBLIC USE PROVIDED THAT REINFORCEMENT HAS BEEN INSTALLED IN WALLS AND LOCATED SO AS TO PERMIT THE INSTALLATION OF GRAB BARS COMPLYING WITH 607.4.

2. IN RESIDENTIAL DWELLING UNITS, GRAB BARS SHALL NOT BE REQUIRED TO BE INSTALLED IN BATHTUBS LOCATED IN BATHING FACILITIES PROVIDED THAT REINFORCEMENT HAS BEEN INSTALLED IN WALLS AND LOCATED SO AS TO PERMIT THE INSTALLATION OF GRAB BARS COMPLYING WITH 607.4.

607.4.1 BATHTUBS WITH PERMANENT SEATS. FOR BATHTUBS WITH PERMANENT SEATS, GRAB BARS SHALL BE PROVIDED IN ACCORDANCE WITH 607.4.1.

607.4.1.1 BACK WALL. TWO GRAB BARS SHALL BE LOCATED ON THE BACK WALL ONE LOCATED IN ACCORDANCE WITH 609.4 AND THE OTHER LOCATED 8 INCHES (205 MM) MINIMUM AND 4 INCHES (100 MM) MAXIMUM ABOVE THE RIM OF THE BATHTUB. EACH GRAB BAR SHALL BE INSTALLED 15 INCHES (380 MM) MAXIMUM FROM THE HEAD END WALL AND 12 INCHES (305 MM) MAXIMUM FROM THE CONTROL END WALL.

607.4.1.2 CONTROL END WALL. A GRAB BAR 24 INCHES (610 MM) LONG MINIMUM SHALL BE INSTALLED ON THE CONTROL END WALL AT THE FRONT EDGE OF THE BATHTUB.

607.4.2 BATHTUBS WITHOUT PERMANENT SEATS. FOR BATHTUBS WITHOUT PERMANENT SEATS, GRAB BARS SHALL COMPLY WITH 607.4.2.

607.4.2.1 BACK WALL. TWO GRAB BARS SHALL BE INSTALLED ON THE BACK WALL ONE LOCATED IN ACCORDANCE WITH 609.4 AND THE OTHER LOCATED 8 INCHES (205 MM) MINIMUM AND 4 INCHES (100 MM) MAXIMUM ABOVE THE RIM OF THE BATHTUB. EACH GRAB BAR SHALL BE 24 INCHES (610 MM) MAXIMUM FROM THE HEAD END WALL AND 12 INCHES (305 MM) MAXIMUM FROM THE CONTROL END WALL.

607.4.2.2 CONTROL END WALL. A GRAB BAR 24 INCHES (610 MM) LONG MINIMUM SHALL BE INSTALLED ON THE CONTROL END WALL AT THE FRONT EDGE OF THE BATHTUB.

607.5 CONTROLS. CONTROLS, OTHER THAN DOOR STOPPERS, SHALL BE LOCATED ON AN END WALL. CONTROLS SHALL BE BETWEEN THE BATHTUB RIM AND GRAB BAR, AND BETWEEN THE OPEN SIDE OF THE BATHTUB AND THE CENTERLINE OF THE WIDTH OF THE BATHTUB. CONTROLS SHALL COMPLY WITH 309.4.

607.6 SHOWER SPRAY UNIT AND WATER. A SHOWER SPRAY UNIT WITH A HOSE OF 59 INCHES (1500 MM) 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. BATHTUB SHOWER SPRAY UNITS SHALL DELIVER WATER THAT IS 120°F (49°C) MINIMUM.

EXCEPTION:  
A FIXED SHOWER HEAD LOCATED AT 48 INCHES (1220 MM) MAXIMUM ABOVE THE SHOWER FINISH FLOOR SHALL BE PERMITTED INSTEAD OF A HAND-HELD SHOWER SPRAY UNIT THAT DOES NOT MEET MEDICAL CARE FACILITIES, LONG TERM CARE FACILITIES, TRANSIENT LODGING GUEST ROOMS, OR RESIDENTIAL DWELLING UNITS SHALL COMPLY WITH 309.4.

ADVISORY 607.6 SHOWER SPRAY UNIT AND WATER.  
ENSURE THAT HAND-HELD SHOWER SPRAY UNITS ARE CAPABLE OF DELIVERING WATER PRESSURE SUBSTANTIALLY EQUIVALENT TO FIXED SHOWER HEADS.

608 SHOWER COMPARTMENTS

608.1 GENERAL. SHOWER COMPARTMENTS SHALL COMPLY WITH 608.

ADVISORY 608.1 GENERAL.  
SHOWER STALLS THAT ARE 80 INCHES (1525 MM) WIDE AND HAVE NO CURB MAY INCREASE THE LIABILITY OF A BATHROOM BECAUSE THE SHOWER AREA PROVIDES ADDITIONAL MANEUVERING SPACE.

608.2 TRANSFER TYPE SHOWER COMPARTMENTS. TRANSFER TYPE SHOWER COMPARTMENTS SHALL BE 30 INCHES (915 MM) WIDE BY 36 INCHES (915 MM) CLEAR INSIDE DIMENSIONS MEASURED AT THE CENTER POINTS OF OPPOSING SIDES AND SHALL HAVE A 30 INCH (915 MM) WIDE MINIMUM ENTRY ON THE FACE OF THE SHOWER COMPARTMENT. CLEARANCE OF 30 INCHES (915 MM) WIDE MINIMUM SHALL BE PROVIDED AT ONE END OF THE LONG SIDE OF THE SHOWER COMPARTMENT.

608.2.1 CLEARANCE. A 30 INCH (760 MM) WIDE MINIMUM BY 40 INCH (1020 MM) LONG MINIMUM CLEARANCE SHALL BE PROVIDED ADJACENT TO THE OPEN FACE OF THE SHOWER COMPARTMENT.

EXCEPTION:  
A LAVATORY COMPLYING WITH 608 SHALL BE PERMITTED ON ONE 30 INCH (760 MM) WIDE MINIMUM SIDE OF THE CLEARANCE PROVIDED THAT IT IS NOT ON THE SIDE OF THE CLEARANCE ADJACENT TO THE CONTROLS OR WHERE PROVIDED; NOT ON THE SIDE OF THE CLEARANCE ADJACENT TO THE SHOWER SEAT.

608.2.2 STANDARD ROLL-IN TYPE SHOWER COMPARTMENTS. STANDARD ROLL-IN TYPE SHOWER COMPARTMENTS SHALL BE 30 INCHES (760 MM) WIDE MINIMUM BY 80 INCHES (1525 MM) DEEP MINIMUM CLEAR INSIDE DIMENSIONS MEASURED AT CENTER POINTS OF OPPOSING SIDES AND SHALL HAVE A 60 INCHES (1525 MM) WIDE MINIMUM ENTRY ON THE FACE OF THE SHOWER COMPARTMENT.

608.2.2.1 CLEARANCE. A 30 INCH (760 MM) WIDE MINIMUM BY 40 INCH (1020 MM) LONG MINIMUM CLEARANCE SHALL BE PROVIDED ADJACENT TO THE OPEN FACE OF THE SHOWER COMPARTMENT.

EXCEPTION:  
A LAVATORY COMPLYING WITH 608 SHALL BE PERMITTED ON ONE 30 INCH (760 MM) WIDE MINIMUM SIDE OF THE CLEARANCE PROVIDED THAT IT IS NOT ON THE SIDE OF THE CLEARANCE ADJACENT TO THE CONTROLS OR WHERE PROVIDED; NOT ON THE SIDE OF THE CLEARANCE ADJACENT TO THE SHOWER SEAT.

608.2.3 STANDARD ROLL-IN TYPE SHOWER COMPARTMENTS. STANDARD ROLL-IN TYPE SHOWER COMPARTMENTS SHALL BE 30 INCHES (760 MM) WIDE MINIMUM BY 80 INCHES (1525 MM) DEEP MINIMUM CLEAR INSIDE DIMENSIONS MEASURED AT CENTER POINTS OF OPPOSING SIDES AND SHALL HAVE A 60 INCHES (1525 MM) WIDE MINIMUM ENTRY ON THE FACE OF THE SHOWER COMPARTMENT.

608.2.3.1 CLEARANCE. A 30 INCH (760 MM) WIDE MINIMUM BY 40 INCH (1020 MM) LONG MINIMUM CLEARANCE SHALL BE PROVIDED ADJACENT TO THE OPEN FACE OF THE SHOWER COMPARTMENT.

EXCEPTION:  
A LAVATORY COMPLYING WITH 608 SHALL BE PERMITTED ON ONE 30 INCH (760 MM) WIDE MINIMUM SIDE OF THE CLEARANCE PROVIDED THAT IT IS NOT ON THE SIDE OF THE CLEARANCE ADJACENT TO THE CONTROLS OR WHERE PROVIDED; NOT ON THE SIDE OF THE CLEARANCE ADJACENT TO THE SHOWER SEAT.

608.2.4 TERMINATE ROLL-IN TYPE SHOWER COMPARTMENTS. ALTERNATE ROLL-IN TYPE SHOWER COMPARTMENTS SHALL BE 30 INCHES (915 MM) WIDE AND 80 INCHES (1525 MM) DEEP MINIMUM CLEAR INSIDE DIMENSIONS MEASURED AT CENTER POINTS OF OPPOSING SIDES. A 30 INCH (915 MM) WIDE MINIMUM ENTRY SHALL BE PROVIDED AT ONE END OF THE LONG SIDE OF THE SHOWER COMPARTMENT.

EXCEPTION:  
A LAVATORY COMPLYING WITH 608 SHALL BE PERMITTED ON ONE 30 INCH (760 MM) WIDE MINIMUM SIDE OF THE CLEARANCE PROVIDED THAT IT IS NOT ON THE SIDE OF THE CLEARANCE ADJACENT TO THE CONTROLS OR WHERE PROVIDED; NOT ON THE SIDE OF THE CLEARANCE ADJACENT TO THE SHOWER SEAT.

608.2.5 HEIGHT. LAVATORIES AND SINKS SHALL BE INSTALLED WITH THE FRONT OF THE HIGHER OF THE RIM