IN DETENTION OR CORRECTION FACILITIES, GRAB BARS SHALL NOT BE REQUIRED TO BE INSTALLED IN HOUSING OR HOLDING CELLS THAT ARE SPECIFICALLY DESIGNED WITHOUT PROTRUSIONS FOR PURPOSES OF SUICIDE PREVENTION. ADVISORY 604.5 GRAB BARS EXCEPTION REINFORCEMENT MUST BE SUFFICIENT TO PERMIT THE INSTALLATION OF REAR 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 54 INCHES (1370 MM) MINIMUM FROM THE REAR WALL 604.5.2 REAR WALL. THE REAR WALL GRAB BAR SHALL BE 36 INCHES

(915 MM) LONG MINIMUM AND EXTEND FROM THE CENTERLINE OF THE WATER CLOSET 12 INCHES (305 MM) MINIMUM ON ONE SIDE AND 24 INCHES (610 MM) MINIMUM ON THE OTHER SIDE.

THE REAR GRAB BAR SHALL BE PERMITTED TO BE 24 INCHES (610 MM) ONG MINIMUM. CENTERED ON THE WATER CLOSET. WHERE WALL SPACE DOES NOT PERMIT A LENGTH OF 36 INCHES (915 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 SPLIT 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 309. FLUSH CONTROLS SHALL BE LOCATED ON THE OPEN SIDE OF THE WATER CLOSET EXCEPT IN AMBULATORY ACCESSIBLE COMPARTMENTS COMPLYING WITH 604.8.2.

ADVISORY 604.6 FLUSH CONTROLS F 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 CAN 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.

FROM THE SIDE WALL OR PARTITION IN THE AMBULATORY ACCESSIBLE TOILET COMPARTMENT SPECIFIED IN 604.8.2 COMPARTMENTS SHALL BE ARRANGED FOR LEFT-HAND OR RIGHT-HAND APPROACH TO THE WATER CLOSET. 604.9.2 CLEARANCE. CLEARANCE AROUND A WATER CLOSET SHALL COMPLY WITH 604.3.

604.9.3 HEIGHT. THE HEIGHT OF WATER CLOSETS SHALL BE 11 INCHES (280 MM) MINIMUM AND 17 INCHES (180 MM) MAXIMUM MEASURED TO THE TOP OF THE SEAT. SEATS SHALL NOT BE SPRUNG TO RETURN TO A LIFTED POSITION.

604.9.4. GRAB BARS. GRAB BARS FOR WATER CLOSETS SHALL 604.9.5 FLUSH CONTROLS. FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC. HAND OPERATED CONTROLS SHALL COMPLY WITH 309.2 AND 309.4 AND SHALL BE INSTALLED 36

INCHES (915 MM) MAXIMUM ABOVE THE FINISH FLOOR. FLUSH CONTROLS SHALL BE LOCATED ON THE OPEN SIDE OF THE WATER CLOSET EXCEPT IN AMBULATORY ACCESSIBLE COMPARTMENTS COMPLYING WITH 604.8.2.

604.9.7 TOILET COMPARTMENTS. TOILET COMPARTMENTS SHALL COMPLY WITH 604.8.

605 URINALS 605.1 GENERAL. URINALS SHALL COMPLY WITH 605.

ADVISORY 605.1 GENERAL. STALL-TYPE URINALS PROVIDE GREATER ACCESSIBILITY FOR A BROADER RANGE OF PERSONS, INCLUDING PEOPLE OF SHORT STATURE.

605.2 HEIGHT AND DEPTH. URINALS SHALL BE THE STALL-TYPE OR THE WALL-HUNG TYPE WITH THE RIM 17 INCHES (430MM) MAXIMUM ABOVE THE FINISH FLOOR OR GROUND. URINALS SHALL BE 13 1/2 INCHES (345 MM) DEEP MINIMUM MEASURED FROM THE OUTER FACE OF THE URINAL RIM TO THE BACK OF THE FIXTURE.

605.3 CLEAR FLOOR SPACE. A CLEAR FLOOR OR GROUND SPACE COMPLYING WITH 305 POSITIONED FOR FORWARD APPROACH SHALL BE PROVIDED.

605.4 FLUSH CONTROLS. FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC. HAND OPERATED FLUSH CONTROLS SHALL COMPLY WITH 309.

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 10 INCHES (255 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

607.4.2.1 BACK WALL. TWO GRAB BARS SHALL BE INSTALLED ON THE BACK WALL, ONE LOCATED IN ACCORDANCE WITH 609.4 AND OTHER LOCATED 8 INCHES (205 MM) MINIMUM AND 10 INCHES (255

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

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.

607.4.2.3 HEAD END WALL. A GRAB BAR 12 INCHES (305 MM) LONG MINIMUM SHALL BE INSTALLED ON THE HEAD END WALL AT THE FRONT EDGE OF THE BATHTUB.

<u>507.5 CONTROLS.</u> CONTROLS, OTHER THAN DRAIN 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) MAXIMUM. 7 BATHTUB ENCLOSURES. ENCLOSURES FOR BATHTUBS SHALL

NOT OBSTRUCT CONTROLS, FAUCETS, SHOWER AND SPRAY UNITS OR OBSTRUCT TRANSFER FROM WHEELCHAIRS ONTO BATHTUB SEATS OR INTO BATHTUBS, ENCLOSURES ON BATHTUBS SHALL NOT HAVE TRACKS INSTALLED ON THE RIM OF THE OPEN FACE OF THE BATHTUB.

608 SHOWER COMPARTMENTS 608.1 GENERAL. SHOWER COMPARTMENTS SHALL COMPLY WITH

ADVISORY 608.1 GENERAL SHOWER STALLS THAT ARE 60 INCHES (1525 MM) WIDE AND HAVE NO CURB MAY INCREASE THE USABILITY OF A BATHROOM BECAUSE THE SHOWER AREA PROVIDES ADDITIONAL MANEUVERING SPACE.

608.2 SIZE AND CLEARANCES FOR SHOWER COMPARTMENTS. SHOWER COMPARTMENTS SHALL HAVE SIZES AND CLEARANCES COMPLYING WITH 608.2.

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 SHALL BE PROVIDED WITHIN THE ROOM.

604.7 DISPENSERS. TOILET PAPER DISPENSERS SHALL COMPLY

OF THE DISPENSER SHALL BE 15 INCHES (380 MM) MINIMUM AND 48

NOT BE LOCATED BEHIND GRAB BARS. DISPENSERS SHALL NOT BE

OF A TYPE THAT CONTROLS DELIVERY OR THAT DOES NOT ALLOW

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 33 INCHES (840 MM) MINIMUM AND 36 INCHES (915 MM) MAXIMUM

604.8 TOILET COMPARTMENTS. WHEELCHAIR ACCESSIBLE TOILET

604.8.3. COMPARTMENTS CONTAINING MORE THAN ONE PLUMBING

604.8.1 WHEELCHAIR ACCESSIBLE COMPARTMENTS. WHEELCHAIR

604.8.1.1 SIZE. WHEELCHAIR ACCESSIBLE COMPARTMENTS SHALL

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'S USE SHALL BE 60

INCHES (1525 MM) WIDE MINIMUM MEASURED PERPENDICULAR TO

WALL HUNG AND FLOOR MOUNTED WATER CLOSETS MEASURED

HE MINIMUM SPACE REQUIRED IN TOILET COMPARTMENTS IS

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 604.3.2

(OVERLAP). IF THE TOILET COMPARTMENTS ARE TO BE USED TO

MINIMUM SPACE REQUIREMENTS, CONVENIENCE FIXTURES SUCH

AS BABY CHANGING TABLES MUST ALSO BE ACCESSIBLE TO PEOPLE

COMPARTMENTS THAT ARE DESIGNED TO MEET, AND NOT EXCEED,

SPACE FOR MANEUVERING INTO POSITION AT A BABY CHANGING

604.8.1.2 DOORS. TOILET COMPARTMENT DOORS. INCLUDING

THE MINIMUM SPACE REQUIREMENTS MAY NOT PROVIDE ADEQUATE

DOOR HARDWARE, SHALL COMPLY WITH 404 EXCEPT THAT IF THE

APPROACH IS TO THE LATCH SIDE OF THE COMPARTMENT DOOR,

AND ANY OBSTRUCTION SHALL BE 42 INCHES (1065 MM) MINIMUM

DOORS SHALL BE LOCATED IN THE FRONT PARTITION OR IN 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

LOCATED IN THE SIDE WALL OR PARTITION, THE DOOR OPENING

PARTITION FARTHEST FROM THE WATER CLOSET, WHERE

SHALL BE 4 INCHES (100 MM) MAXIMUM FROM THE FRONT

PARTITION. THE DOOR SHALL BE SELF-CLOSING. A DOOR PULL

DOOR NEAR THE LATCH. TOILET COMPARTMENT DOORS SHALL

NOT SWING INTO THE MINIMUM REQUIRED COMPARTMENT AREA.

604.8.1.3 APPROACH. COMPARTMENTS SHALL BE ARRANGED FOR

LEFT-HAND OR RIGHT-HAND APPROACH TO THE WATER CLOSET.

604.8.1.4 TOE CLEARANCE. THE FRONT PARTITION AND AT LEAST

INCHES (230 MM) MINIMUM ABOVE THE FLOOR FINISH AND 6 INCHES

(150 MM) DEEP MINIMUM BEYOND THE COMPARTMENT-SIDE FACE

OF THE PARTITION, EXCLUSIVE OF PARTITION SUPPORT MEMBERS.

COMPARTMENTS FOR CHILDREN'S USE SHALL PROVIDE A TOE

CLEARANCE OF 12 INCHES (305 MM) MINIMUM ABOVE THE FINISH

TOE CLEARANCE AT THE FRONT PARTITION IS NOT REQUIRED IN A

COMPARTMENT GREATER THAN 62 INCHES (1575 MM) DEEP WITH A

WALL-HUNG WATER CLOSET OR 65 INCHES (1650 MM) DEEP WITH

A FLOOR-MOUNTED WATER CLOSET. TOE CLEARANCE AT THE SIDE

PARTITION IS NOT REQUIRED IN A COMPARTMENT GREATER THAN

604.8.1.5 GRAB BARS. GRAB BARS SHALL COMPLY WITH 609. A SIDE-

WAI I. GRAB BAR COMPLYING WITH 604.5.1 SHALL BE PROVIDED

AND SHALL BE LOCATED ON THE WALL CLOSEST TO THE WATER

CLOSET. IN ADDITION, A REAR-WALL GRAB BAR COMPLYING WITH

604.8.2 AMBULATORY ACCESSIBLE COMPARTMENTS. AMBULATORY

8.1 SIZE. AMBULATORY ACCESSIBLE COMPARTMENTS SHALL

HAVE A DEPTH OF 60 INCHES (1525 MM) MINIMUM AND A WIDTH OF

DOOR HARDWARE, SHALL COMPLY WITH 404, EXCEPT THAT IF THE

APPROACH IS TO THE LATCH SIDE OF THE COMPARTMENT DOOR

AND ANY OBSTRUCTION SHALL BE 42 INCHES (1065 MM) MINIMUM

THE DOOR SHALL BE SELF-CLOSING. A DOOR PULL COMPLYING

WITH 404.2.7 SHALL BE PLACED ON BOTH SIDES OF THE DOOR

NEAR THE LATCH. TOILET COMPARTMENT DOORS SHALL NOT

SWING INTO THE MINIMUM REQUIRED COMPARTMENT AREA.

604.8.3 COAT HOOKS AND SHELVES. COAT HOOKS SHALL BE

48 INCHES (1220 MM) MAXIMUM ABOVE THE FINISH FLOOR.

WALL OR PARTITION TO THE REAR AND TO ONE SIDE. THE

604.9 WATER CLOSETS AND TOILET COMPARTMENTS FC

FOR CHILDREN'S USE SHALL COMPLY WITH 604.9.

LOCATED WITHIN ONE OF THE REACH RANGES SPECIFIED IN 308.

SHELVES SHALL BE LOCATED 40 INCHES (1015 MM) MINIMUM AND

CHILDREN'S USE. WATER CLOSETS AND TOILET COMPARTMENTS

604.9.1 LOCATION. THE WATER CLOSET SHALL BE LOCATED WITH A

CENTERLINE OF THE WATER CLOSET SHALL BE 12 INCHES (305 MM)

MINIMUM AND 18 INCHES (455 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

604.8.2.3 GRAB BARS. GRAB BARS SHALL COMPLY WITH 609. A SIDE-

LL GRAB BAR COMPLYING WITH 604.5.1 SHALL BE PROVIDED ON

CLEARANCE BETWEEN THE DOOR SIDE OF THE COMPARTMENT

ACCESSIBLE COMPARTMENTS SHALL COMPLY WITH 604.8.2.

604.8.2.2 DOORS. TOILET COMPARTMENT DOORS, INCLUDING

66 INCHES (1675 MM) WIDE. TOE CLEARANCE AT THE FRONT

CHILDREN'S USE THAT IS GREATER THAN 65 INCHES (1650 MM)

PARTITION IS NOTREQUIRED IN A COMPARTMENT FOR

604.5.2 SHALL BE PROVIDED.

35 INCHES (890 MM) MAXIMUM.

BOTH SIDES OF THE COMPARTMENT.

ONE SIDE PARTITION SHALL PROVIDE A TOE CLEARANCE OF 9

COMPLYING WITH 404.2.7 SHALL BE PLACED ON BOTH SIDES OF TH

CLEARANCE BETWEEN THE DOOR SIDE OF THE COMPARTMEN

HOUSE FIXTURES OTHER THAN THOSE ASSOCIATED WITH THE

WATER CLOSET, THEY MUST BE DESIGNED TO EXCEED THE

WITH DISABILITIES AS WELL AS TO OTHER USERS. TOILET

PROVIDED SO THAT A PERSON USING A WHEELCHAIR CAN

THE SIDE WALL, AND 59 INCHES (1500 MM) DEEP MINIMUM FOR

PERPENDICULAR TO THE SIDE WALL, AND 56 INCHES (1420 MM)

FIXTURE SHALL COMPLY WITH 603, AMBULATORY ACCESSIBLE

COMPARTMENTS SHALL COMPLY WITH 604.8.2 AND 604.8.3.

ACCESSIBLE COMPARTMENTS SHALL COMPLY WITH 604.8.1.

BE 60 INCHES (1525 MM) WIDE MINIMUM MEASURED

PERPENDICULAR TO THE REAR WALL.

ADVISORY 604.8.1.1 SIZE

COMPARTMENTS SHALL MEET THE REQUIREMENTS OF 604.8.1 AND

INCHES (1220 MM) MAXIMUM ABOVE THE FINISH FLOOR AND SHAL

WITH 309.4 AND SHALL BE 7 INCHES (180 MM) MINIMUM AND 9

INCHES (230 MM) MAXIMUM IN FRONT OF THE WATER CLOSET MEASURED TO THE CENTERLINE OF THE DISPENSER. THE OUTLE

CONTINUOUS PAPER FLOW.

ABOVE THE FINISH FLOOR.

606 LAVATORIES AND SINKS

ACCESSIBLE LAVATORY.

WITH 306

WITH 306.

(735 MM).

TO COMPLY WITH 606.3.

FOR 10 SECONDS MINIMUM.

LAVATORIES AND SINKS

<u>607 BATHTUBS</u>

OR 607.4.2.

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

606.2 CLEAR FLOOR SPACE. A CLEAR FLOOR SPACE COMPLYING

AND TOE CLEARANCE COMPLYING WITH 306 SHALL BE PROVIDED.

PERMITTED TO A KITCHEN SINK IN A SPACE WHERE A COOK TOP

OR CONVENTIONAL RANGE IS NOT PROVIDED AND TO WET BARS.

SINGLE OCCUPANT ACCESSED ONLY THROUGH A PRIVATE OFFICE

REQUIRED TO PROVIDE KNEE AND TOE CLEARANCE COMPLYING

2. A LAVATORY IN A TOILET ROOM OR BATHING FACILITY FOR A

AND NOT FOR COMMON USE OR PUBLIC USE SHALL NOT BE

3. IN RESIDENTIAL DWELLING UNITS, CABINETRY SHALL BE

THAT ALL OF THE FOLLOWING CONDITIONS ARE MET:

REPLACEMENT OF THE FIXTURE;

CHILDREN 5 YEARS AND YOUNGER.

DETERMINING KNEE AND TOE CLEARANCES.

PERMITTED LINDER LAVATORIES AND KITCHEN SINKS PROVIDED

a) THE CABINETRY CAN BE REMOVED WITHOUT REMOVAL OR

b) THE FINISH FLOOR EXTENDS UNDER THE CABINETRY: AND

c) THE WALLS BEHIND AND SURROUNDING THE CABINETRY ARE

4. A KNEE CLEARANCE OF 24 INCHES (610 MM) MINIMUM ABOVE

THROUGH 12 YEARS WHERE THE RIM, OR COUNTER SURFACE IS 31

INCHES (785 MM) MAXIMUM ABOVE THE FINISH FLOOR OR GROUND.

THE FINISH FLOOR OR GROUND SHALL BE PERMITTED AT

5. A PARALLEL APPROACH COMPLYING WITH 305 SHALL BE

PFRMITTED TO LAVATORIES AND SINKS USED PRIMARILY BY

6. THE DIP OF THE OVERFLOW SHALL NOT BE CONSIDERED IN

7. NO MORE THAN ONE BLOW OF A MULTI-BOWL SINK SHALL BE

REQUIRED TO PROVIDE KNEE AND TOE CLEARANCE COMPLYING

606.3 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. A LAVATORY IN A TOILET OR BATHING FACILITY FOR A SINGLE

OCCUPANT ACCESSED ONLY THROUGH A PRIVATE OFFICE AND

2. IN RESIDENTIAL DWELLING UNIT KITCHENS, SINKS THAT ARE

ADJUSTABLE TO VARIABLE HEIGHTS, 29 INCHES (735 MM) MINIMUM

AND 36 INCHES (915 MM) MAXIMUM SHALL BE PERMITTED WHERE

DRAIN PIPES FOR SINKS MOUNTED AT THE HEIGHT OF 29 INCHES

606.4 FAUCETS. CONTROLS FOR FAUCETS SHALL COMPLY WITH

309. HAND-OPERATED METERING FAUCETS SHALL REMAIN OPEN

606.5 EXPOSED PIPES AND SURFACES. WATER SUPPLY AND DRAIN

PIPES UNDER LAVATORIES AND SINKS SHALL BE INSULATED OR

OTHERWISE CONFIGURED TO PROTECT AGAINST CONTACT.

607.1 GENERAL. BATHTUBS SHALL COMPLY WITH 607.

THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER

607.2 CLEARANCE. CLEARANCE IN FRONT OF BATHTUBS SHALL

FXTEND THE LENGTH OF THE BATHTUB AND SHALL BE 30 INCHES

(760 MM) WIDE MINIMUM. A LAVATORY COMPLYING WITH 606 SHALI

BE PERMITTED AT THE CONTROL END OF THE CLEARANCE. WHERE

MINIMUM BEYOND THE WALL AT THE HEAD END OF THE BATHTUB.

A PERMANENT SEAT IS PROVIDED AT THE HEAD END OF THE

BATHTUB, THE CLEARANCE SHALL EXTEND 12 INCHES (305 MM)

607.3 SEAT. A PERMANENT SEAT AT THE HEAD END OF THE

SEATS SHALL COMPLY WITH 610.

BATHTUB OR A REMOVABLE IN-TUB SEAT SHALL BE PROVIDED.

607.4 GRAB BARS. GRAB BARS FOR BATHTUBS SHALL COMPLY

WITH 609 AND SHALL BE PROVIDED IN ACCORDANCE WITH 607.4.1

ROUGH-IN PLUMBING PERMITS CONNECTIONS OF SUPPLY AND

NOT FOR COMMON USE OR PUBLIC USE SHALL NOT BE REQUIRED

LAVATORIES AND SINKS USED PRIMARILY BY CHILDREN 6

WITH 305, POSITIONED FOR A FORWARD APPROACH, AND KNEE

1. A PARALLEL APPROACH COMPLYING WITH 305 SHALL BE

THEY ARE CONVENIENTLY USABLE BY A PERSON AT THE

SPECIFIED IN 308. LOCATE SOAP AND TOWEL DISPENSERS SO THAT

<u>603.2.2 OVERLAP.</u> 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

FOR COMMON USE OR PUBLIC USE SHALL BE PERMITTED TO SWING

AND A CLEAR FLOOR SPACE COMPLYING WITH 305.3 IS PROVIDED

WITHIN THE ROOM BEYOND THE ARC OF THE DOOR SWING, DOORS

SHALL BE PERMITTED TO SWING INTO THE CLEAR FLOOR SPACE OR

OF THE DOOR CAN BE REVERSED TO COMPLY WITH 603.2.3

REVERSED IN THE FUTURE. THE DOOR MUST MEET ALL THE

603.3 MIRRORS. MIRRORS LOCATED ABOVE LAVATORIES OR

FINISH FLOOR OR GROUND. MIRRORS NOT LOCATED ABOVE

MAXIMUM ABOVE THE FINISH FLOOR OR GROUND.

MM) MAXIMUM ABOVE THE FINISH FLOOR.

COMPLY WITH 604.2 THROUGH 604.8

PERMITTED TO COMPLY WITH 604.9.

AMRI II ATORY ACCESSIRI E

COMPARTMENTS SHALL COMPLY WITH 604.3.

PERPENDICULAR FROM THE REAR WALL.

PERPENDICULAR FROM THE REAR WALL.

SPRUNG TO RETURN TO A LIFTED POSITION.

THE TOP OF THE SEAT.

COMPLYING WITH 604.5.

HAND APPROACH.

CLOSET CLEARANCE.

604 WATER CLOSETS AND TOILET COMPARTMENTS

LAVATORIES OR COUNTERTOPS SHALL BE INSTALLED WITH THE

BOTTOM EDGE OF THE REFLECTING SURFACE 35 INCHES (890 MM)

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

603.4 COAT HOOKS AND SHELVES. COAT HOOKS SHALL BE LOCATED

SHALL BE LOCATED 40 INCHES (1015 MM) MINIMUM AND 48 INCHES (1220

604.1 GENERAL. WATER CLOSETS AND TOILET COMPARTMENTS SHALL

EXCEPTION: WATER CLOSETS AND TOILETS FOR CHILDREN'S USE SHALL BE

604.2 LOCATION. THE WATER CLOSET SHALL BE POSITIONED WITH A

OF THE WATER CLOSET SHALL BE 16 INCHES (405 MM) MINIMUM TO 18

WALL OR PARTITION TO THE REAR AND TO ONE SIDE. THE CENTERLINE

INCHES (455 MM) MAXIMUM FROM THE SIDE WALL OR PARTITION. EXCEPT

THAT THE WATER CLOSET SHALL BE 17 INCHES (430 MM) MINIMUM AND 19

CIFIED IN 604.8 '

INCHES (485 MM) MAXIMUM FROM THE SIDE WALL OR PARTITION IN THE

WATER CLOSETS SHALL BE ARRANGED FOR A LEFT-HAND OR RIGHT-

CLEARANCE. CLEARANCES AROUND WATER CLOSETS AND IN TOILET

604.3.1 SIZE. CLEARANCE AROUND A WATER CLOSET SHALL BE 60

<u>604.3.2 OVERLAP.</u> THE REQUIRED CLEARANCE AROUND THE WATER CLOSET SHALL BE PERMITTED TO OVERLAP THE WATER CLOSET,

SIDE WALL AND 56 INCHES (1420 MM) MINIMUM MEASURED

ASSOCIATED GRAB BARS, DISPENSERS, SANITARY NAPKIN

DISPOSAL UNITS, 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

IN RESIDENTIAL DWELLING UNITS, A LAVATORY COMPLYING WITH 606

SHALL BE PERMITTED ON THE REAR WALL 18 INCHES (455 MM) MINIMUM

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

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

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 CLOSETS

SHALL BE PERMITTED TO BE 15 INCHES (380 MM) MINIMUM AND 19

INCHES (485 MM) MAXIMUM ABOVE THE FINISH FLOOR MEASURED TO

604.5 GRAB BARS. GRAB BARS FOR WATER CLOSETS SHALL COMPLY

EXCEPTIONS: 1. GRAB BARS SHALL NOT BE REQUIRED TO BE INSTALLED IN A TOILET

PROVIDED THAT REINFORCEMENT HAS BEEN INSTALLED IN THE WALLS

AND LOCATED SO AS TO PERMIT THE INSTALLATION OF GRAB BARS

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 WALLS AND LOCATED

SO AS TO PERMIT THE INSTALLATION OF GRAB BARS COMPLYING WITH

WITH 609. GRAB BARS SHALL BE PROVIDED ON THE SIDE WALL

ROOM FOR A SINGLE OCCUPANT ACCESSED ONLY THROUGH A

PRIVATE OFFICE AND NOT FOR COMMON USE OR PUBLIC USE

CLOSEST TO THE WATER CLOSET AND ON THE REAR WALL.

EXCEPTIONS: 1. A WATER CLOSET IN A TOILET ROOM FOR A SINGLE OCCUPANT

REQUIRED MANEUVERING CLEARANCE FOR THE DOOR INSIDE THE

FROM THE WATER CLOSET CENTERLINE WHERE THE CLEARANCE AT

THE WATER CLOSET IS 66 INCHES (1675 MM) MINIMUM MEASURED

INCHES (1525 MM) MINIMUM MEASURED PERPENDICULAR FROM THE

WITHIN ONE OF THE REACH RANGES SPECIFIED IN 308. SHELVES

USE WHEELCHAIRS, THE TOP EDGE OF MIRRORS SHOULD BE 74

INCHES (1880 MM) MINIMUM FROM THE FLOOR OR GROUND.

CLEARANCE REQUIRED FOR ANY FIXTURE.

ADVISORY 603.2.3 DOOR SWING EXCEPTION

WHEN THE DOOR SWING IS REVERSED.

ADVISORY 603.3 MIRRORS.

INTO THE CLEAR FLOOR SPACE OR CLEARANCE PROVIDED THE SWING

2 WHERE THE TOILET ROOM OR BATHING ROOM IS FOR INDIVIDUAL USE

1. AT THE TIME THE DOOR IS INSTALLED, AND IF THE DOOR SWING IS

REQUIREMENTS SPECIFIED IN 404. ADDITIONALLY, THE DOOR SWING

CANNOT REDUCE THE REQUIRED WIDTH OF AN ACCESSIBLE ROUTE.

COUNTERTOPS SHALL BE INSTALLED WITH THE BOTTOM EDGE OF THE

ALSO, AVOID VIOLATING OTHER BUILDING OR LIFE SAFETY CODES

RFFI FCTING SURFACE 40 INCHES (1015 MM) MAXIMUM ABOVE THE

OCCUPANT ACCESSED ONLY THROUGH A PRIVATE OFFICE AND NOT

ADA & DWELLING UNIT NOTES

SECTION 603-610

COMPARTMENT.

COMPARTMENT.

08.2.1 TRANSFER TYPE SHOWER COMPARTMENTS. TRANSFER YPE SHOWER COMPARTMENTS SHALL BE 36 INCHES (915 MM) BY 36 INCHES (915 MM) CLEAR INSIDE DIMENSIONS MEASURED AT THE CENTER POINTS OF OPPOSING SIDES AND SHALL HAVE A 36 INCH (915 MM) WIDE MINIMUM ENTRY ON THE FACE OF THE SHOWER COMPARTMENT, CLEARANCE OF 36 INCHES (915 MM) WIDE MINIMUM BY 48 INCHES (1220 MM) LONG MINIMUM MEASURED FROM THE CONTROL WALL SHALL BE PROVIDED.

08.2.2 STANDARD ROLL-IN TYPE SHOWER COMPARTMENTS. STANDARD ROLL-IN TYPE SHOWER COMPARTMENTS SHALL BE 30 INCHES (760 MM) WIDE MINIMUM BY 60 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

608.2.2.1 CLEARANCE. A 30 INCH (760 MM) WIDE MINIMUM BY 60 INCH (1525 MM) LONG MINIMUM CLEARANCE SHALL BE PROVIDED ADJACENT TO THE OPEN FACE OF THE SHOWER COMPARTMENT.

A LAVATORY COMPLYING WITH 606 SHALL BE PERMITTED ON ONE 30 INCH (760 MM) WIDE MINIMUM SIDE OF THECLEARANCE PROVIDED THAT IT IS NOT ON THE SIDE OF THECLEARANCE ADJACENT TO THE CONTROLS OR, WHERE PROVIDED, NOT ON THE SIDE OF THE CLEARANCE ADJACENT TO THE SHOWER SEAT

08.2.2 STANDARD ROLL-IN TYPE SHOWER COMPARTMENTS. STANDARD ROLL-IN TYPE SHOWER COMPARTMENTS SHALL BE 30 INCHES (760 MM) WIDE MINIMUM BY 60 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

608.2.2.1 CLEARANCE. A 30 INCH (760 MM) WIDE MINIMUM BY 60 NCH (1525 MM) LONG MINIMUM CLEARANCE SHALL BE PROVIDED ADJACENT TO THE OPEN FACE OF THE SHOWER COMPARTMENT.

A LAVATORY COMPLYING WITH 606 SHALL BE PERMITTED ON ONE 30 INCH (760 MM) WIDE MINIMUM SIDE OF THECLEARANCE PROVIDED THAT IT IS NOT ON THE SIDE OF THECLEARANCE ADJACENT TO THE CONTROLS OR, WHERE PROVIDED, NOT ON THE SIDE OF THE CLEARANCE ADJACENT TO THE SHOWER SEAT

508.2.3 ALTERNATE ROLL-IN TYPE SHOWER COMPARTMENTS ALTERNATE ROLL-IN TYPE SHOWER COMPARTMENTS SHALL BE 36 INCHES (915 MM) WIDE AND 60 INCHES (1525 MM) DEEP MINIMUM CLEAR INSIDE DIMENSIONS MEASURED AT CENTER POINTS OF OPPOSING SIDES. A 36 INCH (915 MM) WIDE MINIMUM ENTRY SHALL BE PROVIDED AT ONE END OF THE LONG SIDE OF THE COMPARTMENT.

608.3 GRAB BARS. GRAB BARS SHALL COMPLY WITH 609 AND SHALL BE PROVIDED IN ACCORDANCE WITH 608.3. WHERE MULTIPLE GRAB BARS ARE USED, REQUIRED HORIZONTAL GRAB BARS SHALL BE INSTALLED AT THE SAME HEIGHT ABOVE THE FINISH FLOOR.

1. GRAB BARS SHALL NOT BE REQUIRED TO BE INSTALLED IN A SHOWER 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 608 3 2. IN RESIDENTIAL DWELLING UNITS, GRAB BARS SHALL NOT BE REQUIRED TO BE INSTALLED IN SHOWERS 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 608.3.

608.3.1 TRANSFER TYPE SHOWER COMPARTMENTS. IN TRANSFER PE COMPARTMENTS, GRAB BARS SHALL BE PROVIDED ACROSS THE CONTROL WALL AND BACK WALL TO A POINT 18 INCHES (455 MM) FROM THE CONTROL WALL.

08.3.2 STANDARD ROLL-IN TYPE SHOWER COMPARTMENTS.

WHERE A SEAT IS PROVIDED IN STANDARD ROLL-IN TYPE SHOWER COMPARTMENTS. GRAB BARS SHALL BE PROVIDED ON THE BACK WALL AND THE SIDE WALL OPPOSITE THE SEAT. GRAB BARS SHALL NOT BE PROVIDED ABOVE THE SEAT. WHERE A SEAT IS NOT PROVIDED IN STANDARD ROLL-IN TYPE SHOWER COMPARTMENTS, GRAB BARS SHALL BE PROVIDED ON THREE WALLS. GRAB BARS SHALL BE INSTALLED 6 INCHES (150 MM) MAXIMUM FROM ADJACENT WALLS. 08.4 SEATS. A FOLDING OR NON-FOLDING SEAT SHALL BE

ROVIDED IN TRANSFER TYPE SHOWER COMPARTMENTS. A FOLDING SEAT SHALL BE PROVIDED IN ROLL-IN TYPE SHOWERS REQUIRED IN TRANSIENT LODGING GUEST ROOMS WITH MOBILITY FEATURES COMPLYING WITH 806.2. SEATS SHALL COMPLY WITH

IN RESIDENTIAL DWELLING UNITS, SEATS SHALL NOT BE REQUIRED IN TRANSFER TYPE SHOWER COMPARTMENTS PROVIDED THAT REINFORCEMENT HAS BEEN INSTALLED IN WALLS SO AS TO PERMIT THE INSTALLATION OF SEATS COMPLYING WITH 608.4. 608.5 CONTROLS. CONTROLS, FAUCETS AND SHOWER SPRAY JNITS SHALL COMPLY WITH 309.4.

<u>1 TRANSFER TYPE SHOWER COMPARTMENTS.</u> IN TRANSFER YPE SHOWER COMPARTMENTS. THE CONTROLS. FAUCETS AND SHOWER SPRAY UNIT SHALL BE INSTALLED ON THE SIDE WALL OPPOSITE THE SEAT 38 INCHES (965 MM) MINIMUM AND 48 INCHES (1220 MM) MAXIMUM ABOVE THE SHOWER FLOOR AND SHALL BE LOCATED ON THE CONTROL WALL 15 INCHES (380 MM) MAXIMUM FROM THE CENTERLINE OF THE SEAT TOWARD THE SHOWER

OPFNING.

THE SEAT WALL.

608.5.2 STANDARD ROLL-IN TYPE SHOWER COMPARTMENTS. IN STANDARD ROLL-IN TYPE SHOWER COMPARTMENTS THE CONTROLS, FAUCETS AND SHOWER SPRAY UNIT SHALL BE I OCATED ABOVE THE GRAB BAR. BUT NO HIGHER THAN 48 INCHES (1220 MM) ABOVE THE SHOWER FLOOR. WHERE A SEAT IS PROVIDED, THE CONTROLS, FAUCETS AND SHOWER SPRAY UNIT SHALL BE INSTALLED ON THE BACK WALL ADJACENT TO THE SEAT WALL AND SHALL BE LOCATED 27 INCHES (685 MM) MAXIMUM FROM

DVISORY 608.5.2 STANDARD ROLL-IN TYPE SHOWEF OMPARTMENTS. IN STANDARD ROLL-IN TYPE SHOWERS WITHOUT SEATS, THE SHOWER HEAD AND OPERABLE PARTS CAN BE LOCATED ON ANY OF THE THREE WALLS OF THE SHOWER WITHOUT ADVERSELY AFFECTING ACCESSIBILITY

608.5.3 ALTERNATE ROLL-IN TYPE SHOWER COMPARTMENTS. IN ALTERNATE ROLL-IN TYPE SHOWER COMPARTMENTS, THE CONTROLS. FAUCETS AND SHOWER SPRAY UNIT SHALL BE LOCATED ABOVE THE GRAB BAR, BUT NO HIGHER THAN 48 INCHES (1220 MM) ABOVE THE SHOWER FLOOR, WHERE A SEAT IS PROVIDED, THE CONTROLS, FAUCETS AND SHOWER SPRAY UNIT SHALL BE LOCATED ON THE SIDE WALL ADJACENT TO THE SEAT 27 INCHES (685 MM) MAXIMUM FROM THE SIDE WALL BEHIND THE SEAT OR SHALL BE LOCATED ON THE BACK WALL OPPOSITE THE SEAT 15 INCHES (380 MM) MAXIMUM, LEFT OR RIGHT, OF THE CENTERI INF OF THE SEAT. WHERE A SEAT IS NOT PROVIDED. THE CONTROLS. FAUCETS AND SPRAY UNIT SHALL BE INSTALLED ON THE SIDE WALL FARTHEST FROM THE COMPARTMENT ENTRY.

608.6 SHOWER SPRAY UNIT AND WATER. A SHOWER SPRAY UNIT WITH A HOSE 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. SHOWER SPRAY UNITS SHALL DELIVER WATER THAT IS 120°F (49°C) MAXIMUM.

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

ADVISORY 608.6 SHOWER SPRAY UNIT AND WATER. ENSURE THAT HAND-HELD SHOWER SPRAY UNITS ARE CAPABLE OF DELIVERING WATER PRESSURE SUBSTANTIALLY EQUIVALENT TO FIXED SHOWER HEADS.

08.7 THRESHOLDS. THRESHOLDS IN ROLL-IN TYPE SHOWER COMPARTMENTS SHALL BE ½ INCH (13 MM) HIGH MAXIMUM IN ACCORDANCE WITH 303. IN TRANSFER TYPE SHOWER COMPARTMENTS, THRESHOLDS 1/2 INCH (13 MM) HIGH MAXIMUM SHALL BE BEVELED. ROUNDED OR VERTICAL.

A THRESHOLD 2 INCHES (51 MM) HIGH MAXIMUM SHALL BE PERMITTED IN TRANSFER TYPE SHOWER COMPARTMENTS IN EXISTING FACILITIES WHERE PROVISION OF A ½ INCH (13 MM) HIGH THRESHOLD WOULD DISTURB THE STRUCTURAL REINFORCEMENT OF THE FLOOR SLAB.

608.8 SHOWER ENCLOSURES. ENCLOSURES FOR SHOWER COMPARTMENTS SHALL NOT OBSTRUCT CONTROLS, FAUCETS AND SHOWER SPRAY UNITS OR OBSTRUCT TRANSFER FROM WHEELCHAIRS ONTO SHOWER SEATS.

609 GRAB BARS

609.1 GENERAL. GRAB BARS IN TOILET FACILITIES AND BATHING FACILITIES SHALL COMPLY WITH 609.

609.2 CROSS SECTION. GRAB BARS SHALL HAVE A CROSS SECTION COMPLYING WITH 609.2.1 OR 609.2.2.

609.2.1 CIRCULAR CROSS SECTION. GRAB BARS WITH CIRCULAR CROSS SECTIONS SHALL HAVE AN OUTSIDE DIAMETER OF 1 1/4 INCHES (32 MM) MINIMUM AND 2 INCHES (51 MM) MAXIMUM.

609.2.2 NON-CIRCULAR CROSS SECTION. GRAB BARS WITH NON-CIRCULAR CROSS SECTIONS SHALL HAVE A CROSS-SECTION OF 2 INCHES (51 MM) MAXIMUM AND A PERIMETER DIMENSION OF 4 INCHES (100 MM) MINIMUM AND 4.8 INCHES (120 MM) MAXIMUM.

609.3 SPACING. THE SPACE BETWEEN THE WALL AND THE GRAB BAR SHALL BE 1 ½ INCHES (38 MM). THE SPACE BETWEEN THE GRAB BAR AND PROJECTING OBJECTS BELOW AND AT THE ENDS SHALL BE 1 1/2 INCHES (38 MM) MINIMUM. THE SPACE BETWEEN THE GRAB BAR AND PROJECTING OBJECTS ABOVE SHALL BE 12 INCHES (305 MM) MINIMUM.

THE SPACE BETWEEN THE GRAB BARS AND SHOWER CONTROLS. SHOWER FITTINGS, AND OTHER GRAB BARS ABOVE SHALL BE PERMITTED TO BE 1 1/2 INCHES (38 MM) MINIMUM.

609.2.2 NON-CIRCULAR CROSS SECTION. GRAB BARS WITH NON-CIRCULAR CROSS SECTIONS SHALL HAVE A CROSS-SECTION OF 2 INCHES (51 MM) MAXIMUM AND A PERIMETER DIMENSION OF 4 INCHES (100 MM) MINIMUM AND 4.8 INCHES (120 MM) MAXIMUM.

609.4 POSITION OF GRAB BARS. GRAB BARS SHALL BE INSTALLED IN A HORIZONTAL POSITION. 33 INCHES (840 MM) MINIMUM AND 36 INCHES (915 MM) MAXIMUM ABOVE THE FINISH FLOOR MEASURED TO THE TOP OF THE GRIPPING SURFACE, EXCEPT THAT AT WATER CLOSETS FOR CHILDREN'S USE COMPLYING WITH 604.9. GRAB BARS SHALL BE INSTALLED IN A HORIZONTAL POSITION 18 INCHES (455 MM) MINIMUM AND 27 INCHES (685 MM) MAXIMUM ABOVE THE FINISH FLOOR MEASURED TO THE TOP OF THE GRIPPING SURFACE. THE HEIGHT OF THE LOWER GRAB BAR ON THE BACK WALL OF A BATHTUB SHALL COMPLY WITH 607.4.1.1 OR 607.4.2.1.

609.5 SURFACE HAZARDS. GRAB BARS AND ANY WALL OR OTHER SURFACES ADJACENT TO GRAB BARS SHALL BE FREE OF SHARP OR ABRASIVE ELEMENTS AND SHALL HAVE ROUNDED EDGES. 609.6 FITTINGS. GRAB BARS SHALL NOT ROTATE WITHIN THEIR

609.7 INSTALLATION. GRAB BARS SHALL BE INSTALLED IN ANY

MANNER THAT PROVIDES A GRIPPING SURFACE AT THE SPECIFIED LOCATIONS AND THAT DOES NOT OBSTRUCT THE REQUIRED CLEAR FLOOR SPACE.

609.8 STRUCTURAL STRENGTH. ALLOWABLE STRESSES SHALL NOT BE EXCEEDED FOR MATERIALS USED WHEN A VERTICAL OR HORIZONTAL FORCE OF 250 POUNDS (1112N) IS APPLIED AT ANY POINT ON THE GRAB BAR, FASTENER, MOUNTING DEVICE, OR SUPPORTING STRUCTURE.

<u>610 SEATS</u>

610.1 GENERAL. SEATS IN BATHTUBS AND SHOWER COMPARTMENTS SHALL COMPLY WITH 610.

610.2 BATHTUB SEATS. THE TOP OF BATHTUB SEATS SHALL BE 17 INCHES (430 MM) MINIMUM AND 19 INCHES (485 MM) MAXIMUM ABOVE THE BATHROOM FINISH FLOOR. THE DEPTH OF A REMOVABLE IN-TUB SEAT SHALL BE 15 INCHES (380 MM) MINIMUM AND 16 INCHES (405 MM) MAXIMUM. THE SEAT SHALL BE CAPABLE OF SECURE PLACEMENT. PERMANENT SEATS AT THE HEAD END OF THE BATHTUB SHALL BE 15 INCHES (380 MM) DEEP MINIMUM AND SHALL EXTEND FROM THE BACK WALL TO OR BEYOND THE OUTER EDGE OF THE BATHTUB.

610.3 SHOWER COMPARTMENT SEATS. WHERE A SEAT IS PROVIDED IN A STANDARD ROLL-IN SHOWER COMPARTMENT, IT SHALL BE A FOLDING TYPE, SHALL BE INSTALLED ON THE SIDE WALL ADJACENT TO THE CONTROLS, AND SHALL EXTEND FROM THE BACK WALL TO A POINT WITHIN 3 INCHES (75 MM) OF THE COMPARTMENT ENTRY. WHERE A SEAT IS PROVIDED IN AN ALTERNATE ROLL-IN TYPE SHOWER COMPARTMENT. IT SHALL BE A FOLDING TYPE. SHALL BE INSTALLED ON THE FRONT WALL OPPOSITE THE BACK WALL, AND SHALL EXTEND FROM THE ADJACENT SIDE WALL TO A POINT WITHIN 3 INCHES (75 MM) OF THE COMPARTMENT ENTRY. IN TRANSFER-TYPE SHOWERS, THE SEAT SHALL EXTEND FROM THE BACK WALL TO A POINT WITHIN 3 INCHES (75 MM) OF THE COMPARTMENT ENTRY. THE TOP OF THE SEAT

SHALL BE 17 INCHES (430 MM) MINIMUM AND 19 INCHES (485 MM) MAXIMUM ABOVE THE BATHROOM FINISH FLOOR. SEATS SHALL COMPLY WITH 610.3.1 OR 610.3.2.

610.3.1 RECTANGULAR SEATS. THE REAR EDGE OF A RECTANGULAR SEAT SHALL BE 2 1/2 INCHES (64 MM) MAXIMUM AND THE FRONT EDGE 15 INCHES (380 MM) MINIMUM AND 16 INCHES (405 MM) MAXIMUM FROM THE SEAT WALL. THE SIDE EDGE OF THE SEAT SHALL BE 1 ½ INCHES (38 MM) MAXIMUM FROM THE ADJACENT WALL.

610.3.2 L-SHAPED SEATS. THE REAR EDGE OF AN L-SHAPED SEAT SHALL BE 2 1/2 INCHES (64 MM) MAXIMUM AND THE FRONT EDGE 15 INCHES (380 MM) MINIMUM AND 16 INCHES (405 MM) MAXIMUM FROM THE SEAT WALL, THE REAR EDGE OF THE "L" PORTION OF THE SEAT SHALL BE 1 1/2 INCHES (38 MM) MAXIMUM FROM THE WALL AND THE FRONT EDGE SHALL BE 14 INCHES (355 MM) MINIMUM AND 15 INCHES (380 MM) MAXIMUM FROM THE WALL. THE END OF THE "L" SHALL BE 22 INCHES (560 MM) MINIMUM AND 23 INCHES MAXIMUM (585 MM) FROM THE MAIN SEAT WALL

610.4 STRUCTURAL STRENGTH. ALLOWABLE STRESSES SHALL NOT BE EXCEEDED FOR MATERIALS USED WHEN A VERTICAL OR HORIZONTAL FORCE OF 250 POUNDS (1112 N) IS APPLIED AT ANY POINT ON THE SEAT, FASTENER, MOUNTING DEVICE, OR SUPPORTING STRUCTURE.

809 RESIDENTIAL DWELLING UNITS

809.1 GENERAL. RESIDENTIAL DWELLING UNITS SHALL COMPLY WITH 809. RESIDENTIAL DWELLING UNITS REQUIRED TO PROVIDE MOBILITY FEATURES SHALL COMPLY WITH 809.2 THROUGH 809.4. RESIDENTIAL DWELLING UNITS REQUIRED TO PROVIDE COMMUNICATION FEATURES SHALL COMPLY WITH 809.5.

809.2 ACCESSIBLE ROUTES. ACCESSIBLE ROUTES COMPLYING WITH CHAPTER 4 SHALL BE PROVIDED WITHIN RESIDENTIAL DWELLING UNITS IN ACCORDANCE WITH 809.2.

ACCESSIBLE ROUTES SHALL NOT BE REQUIRED TO OR WITHIN UNFINISHED ATTICS OR UNFINISHED BASEMENTS.

809.2.1 LOCATION. AT LEAST ONE ACCESSIBLE ROUTE SHALL CONNECT ALL SPACES AND ELEMENTS WHICH ARE A PART OF THE RESIDENTIAL DWELLING UNIT. WHERE ONLY ONE ACCESSIBLE ROUTE IS PROVIDED, IT SHALL NOT PASS THROUGH THE BATHROOMS, CLOSETS, OR SIMILAR SPACES.

809.2.2 TURNING SPACE. ALL ROOMS SERVED BY AN ACCESSIBLE ROUTE SHALL PROVIDE A TURNING SPACE COMPLYING WITH 304

TURNING SPACE SHALL NOT BE REQUIRED IN EXTERIOR SPACES 30 INCHES (760 MM) MAXIMUM IN DEPTH OR WIDTH.

<u>DVISORY 809.2.2 TURNING SPAC</u> IT IS GENERALLY ACCEPTABLE TO USE REQUIRED CLEARANCES TO PROVIDE WHEEL CHAIR TURNING SPACE, FOR EXAMPLE, IN KITCHENS 804.3.1 REQUIRES AT LEAST ONE WORK SURFACE WITH CLEAR FLOOR SPACE COMPLYING WITH 306 TO BE CENTERED BENEATH. IF DESIGNERS ELECT TO PROVIDE CLEAR FLOOR SPACE THAT IS AT LEAST 36 INCHES (915 MM) WIDE, AS OPPOSED TO THE REQUIRED 30 INCHES (760 MM) WIDE. THAT CLEARANCE CAN BE PART OF A T-TURN THEREBY MAXIMIZING EFFICIENT USE OF THE KITCHEN AREA. HOWEVER, THE OVERLAP OF TURNING SPACE MUST BE LIMITED TO ONE SEGMENT OF THE T-TURN SO THAT BACK-UP MANEUVERING IS NOT RESTRICTED. IT WOULD. THEREFORE. BE UNACCEPTABLE TO US BOTH THE CLEARANCES UNDER THE WORK SURFACE AND THE SINK AS PART OF A T-TURN. SEE SECTION 340.3.2 REGARDING T-TURNS. 809.3 KITCHEN. WHERE A KITCHEN IS PROVIDED IT SHALL COMPLY

809.4 TOILET FACILITIES AND BATHING FACILITIES. AT LEAST ONE BATHROOM SHALL COMPLY WITH 603. NO FEWER THAN ONE OF EACH TYPE OF FIXTURE PROVIDED SHALL COMPLY WITH APPLICABLE REQUIREMENTS OF 603 THROUGH 610. TOILET AND BATHING FIXTURES REQUIRED TO COMPLY WITH 603 THROUGH 610 SHALL BE LOCATED IN THE SAME TO LET AND BATHING AREA. SUCH THAT TRAVEL BETWEEN

FIXTURES DOES NOT REQUIRE TRAVEL BETWEEN OTHER PARTS OF THE

RESIDENTIAL DWELLING UNIT.

ADVISORY 809.4 TOILET FACILITIES AND BATHING FACILITIES IN AN EFFORT TO PROMOTE SPACE EFFICIENCY, VANITY COUNTER TOP SPACE IN ACCESSIBLE RESIDENTIAL DWELLING UNITS IS OFTEN OMITTED. THIS OMISSION DOES NOT PROMOTE EQUAL ACCESS OR EQUAL ENJOYMENT OF THE UNIT. WHERE COMPARABLE UNITS HAVE VANITY COUNTER TOPS, ACCESSIBLE UNITS SHOULD ALSO HAVE VANITY COUNTER TOPS LOCATED AS CLOSE AS POSSIBLE TO THE LAVATORY FOR CONVENIENT ACCESS TO TOILETRIES.

09.5 RESIDENTIAL DWELLING UNITS WITH COMMUNICATION ATURES. RESIDENTIAL DWELLING UNITS REQUIRED TO PROVIDE OMMUNICATION FEATURES SHALL COMPLY WITH 809.5.

809.5.1 BUILDING FIRE ALARM SYSTEM. WHERE A BUILDING FIRE ALARM SYSTEM IS PROVIDED. THE SYSTEM WIRING SHALL BE EXTENDED TO A POINT WITHIN THE RESIDENTIAL DWELLING UNIT IN THE VICINITY OF THE RESIDENTIAL DWELLING UNIT SMOKE DETECTION SYSTEM.

809.5.1.1 ALARM APPLIANCES. WHERE ALARM APPLIANCES ARE PROVIDED WITHIN A RESIDENTIAL DWELLING UNIT AS PART OF THE BUILDING FIRE ALARM SYSTEM, THEY SHALL COMPLY WITH 702. 809.5.1.2 ACTIVATION. ALL VISIBLE ALARM APPLIANCES PROVIDED WITHIN THE RESIDENTIAL DWELLING UNIT FOR BUILDING FIRE

ALARM NOTIFICATION SHALL BE ACTIVATED UPON ACTIVATION OF THE BUILDING FIRE ALARM IN THE PORTION OF THE BUILDING CONTAINING THE RESIDENTIAL DWELLING UNIT.

809.5.2 RESIDENTIAL DWELLING UNIT SMOKE DETECTION SYSTEM RESIDENTIAL DWELLING UNIT SMOKE DETECTION SYSTEMS SHAL COMPLY WITH NFPA 72 (1999 OR 2002 EDITION) (INCORPORATED BY REFERENCE, SEE "REFERENCED STANDARDS" IN CHAPTER 1). 809.5.2.1 ACTIVATION. ALL VISIBLE ALARM APPLIANCES PROVIDED

WITHIN THE RESIDENTIAL DWELLING UNIT FOR SMOKE DETECTION NOTIFICATION SHALL BE ACTIVATED UPON SMOKE DETECTION.

09.5.3 INTERCONNECTION. THE SAME VISIBLE ALARM APPLIANCES SHALL BE PERMITTED TO PROVIDE NOTIFICATION OF RESIDENTIAL DWELLING UNIT SMOKE DETECTION AND BUILDING FIRE ALARM ACTIVATION.

809.5.4 PROHIBITED USE. VISIBLE ALARM APPLIANCES USED TO INDICATE RESIDENTIAL DWELLING UNIT SMOKE DETECTION OR BUILDING FIRE ALARM ACTIVATION SHALL NOT BE USED FOR ANY OTHER PURPOSE WITHIN THE RESIDENTIAL DWELLING UNIT.

809.5.5 RESIDENTIAL DWELLING UNIT PRIMARY ENTRANCE COMMUNICATION FEATURES SHALL BE PROVIDED AT TH RESIDENTIAL DWELLING UNIT PRIMARY ENTRANCE COMPLYING WITH 809.5.5.

09.5.5.1 NOTIFICATION. A HARD-WIRED DOORBELL SHALL BE PROVIDED. A BUTTON OR SWITCH SHALL BE PROVIDED OUTSIDE THE RESIDENTIAL DWELLING UNIT PRIMARY ENTRANCE. ACTIVATION OF THE BUTTON OR SWITCH SHALL INITIATE AN AUDIBLE TONE AND VISIBLE SIGNAL WITHIN THE RESIDENTIAL DWELLING UNIT. WHERE VISIBLE DOORBELL SIGNALS ARE LOCATED IN SLEEPING AREAS, THEY SHALL HAVE CONTROLS TO DEACTIVATE THE SIGNAL.

IDENTIFICATION A MEANS FOR VISUALLY IDENTIFYING A VISITOR WITHOUT OPENING THE RESIDENTIAL DWELLING UNIT ENTRY DOOR SHALL BE PROVIDED AND SHALL ALLOW FOR A MINIMUM 180 DEGREE RANGE OF VIEW.

ADVISORY 809.5.5.2 IDENTIFICATION. IN DOORS, PEEPHOLES THAT INCLUDE PRISMS CLARIEY TH IMAGE AND SHOULD OFFER A WIDE-ANGLE VIEW OF THE HALLWAY OR EXTERIOR FOR BOTH STANDING PERSONS AND WHEEL CHAIR USERS, SUCH PEEPHOLES CAN BE PLACED AT A STANDARD HEIGHT AND PERMIT A VIEW FROM SEVERAL FEET FROM THE DOOR.

809.5.6 SITE, BUILDING, OR FLOOR ENTRANCE. WHERE A SYSTEM, INCLUDING A CLOSED-CIRCUIT SYSTEM. PERMITTING VOICE COMMUNICATION BETWEEN A VISITOR AND THE OCCUPANT OF THE RESIDENTIAL DWELLING IS PROVIDED, THE SYSTEM SHALL COMPLY WITH 708.4.



