SECTIONS 606.5 - EXPOSED PIPES AND SURFACES
- A. WATER AND DRAIN PIPES UNDER LAVATORIES SHALL BE INSULATED OR OTHERWISE CONFIGURED TO PROTECT AGAINST CONTACT.
- B. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES AND SINKS.

SECTION 606.4 - FAUCETS
- A. CONTROLS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST.
- B. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5.0 LBS.
- C. LEVER-OPERATED, PUSH-TYPE, AND ELECTRONICALLY CONTROLLED MECHANISMS ARE EXAMPLES OF ACCEPTABLE DESIGNS.
- D. HAND-OPERATED METERING FAUCETS SHALL REMAIN OPEN FOR 10 SECONDS MINIMUM.

SECTION 603.3 - MIRRORS
- A. MIRRORS LOCATED ABOVE LAVATORIES OR CONTERTOPS SHALL BE INSTALLED WITH THE BOTTOM EDGE OF THE REFLECTING SURFACE 40" MAXIMUM ABOVE THE FINISH FLOOR OR GROUND.
- B. MIRRORS NOT LOCATED ABOVE LAVATORIES OR COUNTERTOPS SHALL BE INSTALLED WITH THE BOTTOM EDGE OF THE REFLECTING SURFACE 35" MAXIMUM ABOVE THE FINISH FLOOR OR GROUND.

607 BATHTUBS

SECTIONS 607.2 - CLEARANCE
- A. CLEARANCE IN FRONT OF BATHTUBS SHALL EXTEND THE LENGTH OF THE BATHTUB AND SHALL BE 30" WIDE MINIMUM. A LAVATORY COMPLYING WITH 606 SHALL BE PERMITTED AT THE CONTROL END OF THE CLEARANCE. WHERE A PERMANENT SEAT IS PROVIDED AT THE HEAD END OF THE BATHTUB, THE CLEARANCE SHALL EXTEND 12" MINIMUM BEYOND THE WALL AT THE HEAD END OF THE BATHTUB.

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

SECTION 610.2 - BATHTUB SEATS
- A. THE TOP OF BATHTUB SEATS SHALL BE 17" MINIMUM AND 19" MAXIMUM ABOVE THE BATHROOM FINISH FLOOR. THE DEPTH OF A REMOVEABLE IN-TUB SEAT SHALL BE 15" MINIMUM AND 16" MAXIMUM AND BE CAPABLE OF SECURE PLACEMENT. PERMANENT SEATS AT THE HEAD END OF THE BATHTUB SHALL BE 15" DEEP MINIMUM AND SHALL EXTEND FROM THE BACK WALL TO OR BEYOND THE OUTER EDGE OF THE BATHTUB.

SECTION 607.4 - GRAB BARS

SECTION 607.4.1 - BATHTUBS WITH PERMANENT SEATS
- A. TWO BARS SHALL BE INSTALLED ON THE BACK WALL. ONE SHALL BE 33" MIN. AND 36" MAX. ABOVE THE FINISH FLOOR MEASURED TO THE TOP OF THE GRIPPING SURFACE. THE SECOND GRAB BAR SHALL BE 8" MIN. AND 10" MAX. ABOVE THE RIM OF THE BATHTUB. EACH SHALL BE 15" MAX. FROM THE HEAD END WALL AND 12" MAX. FROM THE CONTROL END WALL.
- B. A GRAB BAR 24" LONG MINIMUM SHALL BE INSTALLED ON THE CONTROL END WALL AT THE FRONT EDGE OF THE BATHTUB.

SECTION 607.4.2 - BATHTUBS WITHOUT PERMANENT SEATS
- A. TWO BARS SHALL BE INSTALLED ON THE BACK WALL. ONE SHALL BE 33" MINIMUM AND 36" MAXIMUM ABOVE THE FINISH FLOOR MEASURED TO THE TOP OF THE GRIPPING SURFACE. THE SECOND GRAB BAR SHALL BE 8" MINIMUM AND 10" MAXIMUM ABOVE THE RIM OF THE BATHTUB. EACH SHALL BE 24" LONG MINIMUM AND 24" MAXIMUM FROM THE HEAD END WALL AND 12" MAXIMUM FROM THE CONTROL END WALL.
- B. A GRAB BAR 24" LONG MINIMUM SHALL BE INSTALLED ON THE CONTROL END WALL AT THE FRONT EDGE OF THE BATHTUB.
- C. A GRAB BAR 12" LONG MINIMUM SHALL BE INSTALLED ON THE HEAD END WALL AT THE FRONT EDGE OF THE BATHTUB.

SECTION 607.5 - CONTROLS
- A. CONTROLS, OTHER THAN DRAIN STOPPERS, SHALL BE LOCATED ON AN END WALL, BETWEEN THE BATHTUB RIM AND GRAB BAR, AND BETWEEN THE OPEN SIDE OF THE BATHTUB AND THE CENTERLINE OF ITS WIDTH.

SECTION 607.6 - SHOWER UNIT
- A. A SHOWER SPRAY UNIT WITH A HOSE AT LEAST 59" LONG SHALL BE PROVIDED THAT THEY CAN BE USED BOTH AS FIXED AND HAND HELD.

608 SHOWER COMPARTMENTS

SECTION 608.2 - SIZE AND CLEARANCES
- A. SHOWER STALLS SHALL BE EITHER 36"X36" CLEAR INSIDE DIMENSION (HOLD) AT TRANSFER TYPE OR 30" MIN. X 60" MIN. CLEAR INSIDE DIMENSION AT ROLL IN TYPE OR 36" MIN. X 60" MIN. AT ALTERNATE ROLL-IN TYPE.

SECTION 608.4 - SEATS
- A. A SEAT SHALL BE PROVIDED IN TRANSFER TYPE SHOWERS AND A FOLDING SEAT SHALL BE PROVIDED IN ROLL-IN TYPE SHOWERS REQUIRED IN TRANSIENT LODGING GUEST ROOMS WITH MOBILITY FEATURES.

SECTION 610.3 - SHOWER COMPARTMENT SEATS
- A. 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" 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" OF THE COMPARTMENT ENTRY. IN TRANSFER-TYPE SHOWERS, THE SEAT SHALL EXTEND FROM THE BACK WALL TO A POINT WITHIN 3"OF THE COMPARTMENT ENTRY. THE TOP OF THE SEAT SHALL BE 17" MIN. AND 19" MAX. ABOVE THE BATHROOM FINISH FLOOR. SEATS SHALL COMPLY WITH 610.3.1 OR 610.3.2.

SECTION 610.3.1 - RECTANGULAR SEATS
- A. THE REAR EDGE OF A RECTANGULAR SEAT SHALL BE 2-1/2" MAX. AND THE FRONT EDGE 15" MIN AND 16" MAX. FROM THE SEAT WALL. THE SIDE EDGE OF THE SEAT SHALL BE 1-1/2" MAX. FROM THE ADJACENT WALL.

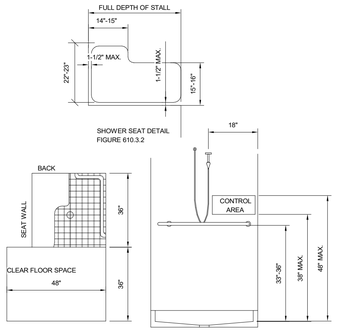
SECTION 610.3.2 - L-SHAPED SEATS
- A. SEE FIGURE 610.3.2

SECTION 609.4 - POSITION OF GRAB BARS
- A. GRAB BARS SHALL BE MOUNTED 33-36" ABOVE FLOOR

SECTION 608.5.1 - CONTROLS FOR TRANSFER TYPE SHOWER
- A. ALL SHOWER CONTROLS SHALL BE LOCATED 38" MINIMUM AND 48" MAXIMUM ABOVE THE FLOOR, UP FRONT ON THE OPEN SIDE.

SECTION 608.5.2 - CONTROLS FOR ROLL-IN TYPE SHOWER
- A. ALL CONTROLS LOCATED ABOVE GRAB BAR, NO HIGHER THAN 48" ABOVE THE SHOWER FLOOR. WITH SEAT, THE CONTROLS, FAUCETS, AND SPRAY UNIT INSTALL ON BACK WALL 27" MAX. FROM SEAT WALL.

SECTION 608.5.3 - CONTROLS FOR ALT. ROLL-IN SHOWER
- A. ALL CONTROLS LOCATED ABOVE GRAB BAR, NO HIGHER THAN 48" ABOVE SHOWER FLOOR. WITH SEAT, CONTROLS LOCATED ON SIDE WALL 27" MAX. FORM SIDE WALL BEHIND THE SEAT. OR ALL CONTROLS CAN BE ON THE BACK WALL OPPOSITE THE SEAT, 15" MAX. FROM CENTERLINE OF THE SEAT.



SECTION 608.6 - SHOWER UNIT
- A. A SHOWER SPRAY UNIT WITH A HOSE AT LEAST 59" LONG THAT CAN BE USED BOTH AS A FIXED SHOWER HEAD AND AS A HAND HELD SHOWER SHALL BE PROVIDED. THE MOUNTING DECIDE SHALL COMPLY WITH THE REQUIREMENTS FOR FORWARD REACH.

SECTION 608.7 - THRESHOLDS
- A. IF PROVIDED, CURBS ON TRANSFER SHOWERS SHALL BE NO HIGHER THAN 1/2" ROLL-IN SHOWERS SHALL NOT HAVE CURBS.

603 TOILET AND BATHING ROOMS

SECTION 603.2.3 - DOOR SWING
- A. DOORS SHALL NOT SWING INTO CLEAR FLOOR SPACE REQUIRED FOR ANY FIXTURE. CLEAR FLOOR TURNING SPACE MAY OVERLAP DOOR SWINGS.

SECTION 304.3, 305.3- TURNING SPACE/CLEAR FLOOR SPACE
- A. THE CLEAR FLOOR SPACE SHALL BE 30" X 48" MIN.
- B. A CIRCULAR TURNING SPACE SHALL BE 60" DIAMETER MIN. THE SPACE SHALL BE PERMITTED TO INCLUDE KNEE AND TOE CLEARANCE COMPLYING WITH 306.
- C. A T-SHAPED SPACE SHALL BE WITHIN A 60" SQUARE MIN. WITH ARMS AND BASE 36" WIDE MIN. EACH ARM OF THE T SHALL BE CLEAR OF OBSTRUCTIONS 12" MIN. IN EACH DIRECTION AND THE BASE SHALL BE CLEAR OF OBSTRUCTIONS 24" MIN. THE SPACE SHALL BE PERMITTED TO INCLUDE KNOW AND TOE CLEARANCE COMPLYING WITH 306 ONLY AT THE END OF EITHER THE BASE OR ONE ARM.

SECTION 213.3.1 - TOILET COMPARTMENTS
- A. IF TOILET STALLS ARE PROVIDED, THEN AT LEAST ONE SHALL BE A STANDARD TOILET STALL COMPLYING WITH 604.8.1. IN ADDITION TO THE COMPARTMENT REQUIRED TO COMPLY WITH 604.8.1, AT LEAST ONE COMPARTMENT SHALL COMPLY WITH 604.8.2 WHERE SIX OR MORE TOILER COMPARTMENTS ARE PROVIDED, OR WHERE THE COMBINATION OF URINALS AND WATER CLOSETS TOTALS SIX OR MORE FIXTURES.

SECTION 213.3.3 - URINALS
- A. IF URINALS ARE PROVIDED, THEN AT LEAST ONE SHALL COMPLY WITH 605

SECTION 213.3.4, 213.3.5 - LAVATORIES AND MIRRORS
- A. WHERE LAVATORIES ARE PROVIDED, AT LEAST ONE SHALL COMPLY WITH 606 AND SHALL NOT BE LOCATED IN A TOILET COMPARTMENT.
- B. WHERE MIRRORS ARE PROVIDED, AT LEAST ONE SHALL COMPLY WITH 603.3

213 - TOILET AND BATHING FACILITIES

SECTION 213.1 - GENERAL
- A. WHERE TOILET AND BATHING FACILITIES ARE PROVIDED, THEY SHALL COMPLY WITH 213. WHERE THEY ARE PERMITTED BY 206.2.3 EXCEPTIONS 1 AND 2 NOT TO CONNECT STORIES BY AN ACCESSIBLE ROUTE, THEN THEY SHALL BE PROVIDED ON A STORY CONNECTED BY AN ACCESSIBLE ROUTE TO AN ACCESSIBLE ENTRANCE.

212.3 - SINKS
- A. WHERE SINKS ARE PROVIDED (WITH THE EXCEPTION OF MOP OR SERVICE SINKS), AT LEAST 5 PERCENT, BUT NO FEWER THAN ONE, OF EACH TYPE PROVIDED IN EACH ACCESSIBLE ROOM OR SPACE SHALL COMPLY WITH 606.

SECTION 606.3 - HEIGHT
- A. SINKS SHALL BE MOUNTED WITH THE RIM OR COUNTER SURFACE NO HIGHER THAN 34" ABOVE THE FINISHED FLOOR.

SECTION 306.3 - KNEE CLEARANCE
- A. KNEE CLEARANCE OF 27" HIGH MINIMUM, 30" WIDE MINIMUM, AND 19" DEEP MINIMUM SHALL BE PROVIDED UNDERNEATH SINKS.

SECTION 606.5 - EXPOSED PIPES AND SURFACES
- A. WATER AND DRAIN PIPES UNDER SINKS SHALL BE INSULATED OR OTHERWISE CONFIGURED TO PROTECT AGAINST CONTACT
- B. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER SINKS.

SECTION 606.4 / 309.4 - FAUCETS / OPERATION
- A. CONTROLS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST.
- B. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5LBS.
- C. LEVER-OPERATED, PUSH-TYPE, AND ELECTRONICALLY CONTROLLED MECHANISMS ARE EXAMPLES OF ACCEPTABLE DESIGNS.
- D. IF SELF-CLOSING VALVES ARE USED THE FAUCET SHALL REMAIN OPEN FOR AT LEAST 10 SECONDS.

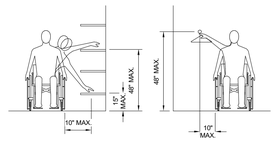
811 - STORAGE

SECTION 305.3 - SIZE
- A. THE CLEAR FLOOR SPACE SHALL BE 30" X 48" MIN.

SECTION 811.3 - HEIGHT
- A. WHERE A FORWARD REACH IS REQUIRED, ACCESSIBLE STORAGE SPACES SHALL BE 48" MAXIMUM AND 15" MINIMUM ABOVE THE FLOOR. OF THE FORWARD REACH IS OVER AN OBSTRUCTION (WITH KNEE SPACE EQUAL TO OR GREATER THAN REACH DISTANCE) 20"-25" DEEP, THE MAXIMUM HEIGHT SHALL BE 44"; IF THE OBSTRUCTION IS LESS THAN 20", MAXIMUM HEIGHT SHALL BE 48".
- B. WHERE A SIDE REACH IS PROVIDED, ACCESSIBLE STORAGE SPACES SHALL BE 48" MAXIMUM AND 15" MINIMUM ABOVE THE FLOOR. MAXIMUM HEIGHT SHALL BE 48" FOR SIDE REACH OVER AN OBSTRUCTION 34" MAXIMUM HIGH AND 24" MAXIMUM DEEP.

SECTION 225.2 - STORAGE
- A. EACH TYPE OF STORAGE MUST BE WITHIN THE REACH RANGES SPECIFIED IN 308; HOWEVER, IT IS PERMISSIBLE TO INSTALL ADDITIONAL STORAGE OUTSIDE THE REACH RANGES.

SECTIONS 811.4 - OPERABLE PARTS
- A. HARDWARE FOR ACCESSIBLE STORAGE FACILITIES SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST
- B. THE FORCE REQUIRED TO ACTIVATE THE HARDWARE SHALL BE NO GREATER THAN 5LBS.



609 GRAB BARS

SECTION 609.2 - CROSS SECTION
- A. DIAMETER OR WIDTH OF CIRCULAR GRAB BARS SHALL BE 1-1/4" TO 2".
- B. NON-CIRCULAR GRAB BARS SHALL HAVE A CROSS-SECTION DIMENSION OF 2" MAX AND A PERIMETER DIMENSION OF 4" MIN. AND 4.8" MAX.
- C. THE SPACE BETWEEN THE WALL AND THE GRAB BAR SHALL BE 1-1/2" MIN. THE SPACE BETWEEN THE GRAB BAR AND PROJECTING OBJECTS ABOVE SHALL BE 12" MIN.

SECTION 609.4 - POSITION OF GRAB BARS.
- A. GRAB BARS SHALL BE INSTALLED IN A HORIZONTAL POSITION, 33" MIN. AND 36" MAX 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" MIN. AND 27" MAX. ABOVE THE FINISH FLOOR MEASURED TO THE TOP OF THE GRIPPING SURFACE.

SECTION 609.5 - SURFACE HAZARDS.
- A. 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.

SECTION 609.6 - FITTINGS.
- A. GRAB BARS SHALL NOT ROTATE WITHIN THEIR FITTINGS.

SECTION 609.7 - INSTALLATION.
- A. 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.

SECTION 609.8 - STRUCTURAL STRENGTH.
- A. 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 GRAB BAR, FASTENER, MOUNTING DEVICE, OR SUPPORTING STRUCTURE.

309 OPERABLE PARTS

SECTION 309.1 - GENERAL
- A. OPERABLE PARTS SHALL COMPLY WITH 309

SECTION 309.2 - CLEAR FLOOR SPACE
- A. CLEAR FLOOR SPACE COMPLYING WITH 305 SHALL BE PROVIDED

SECTION 309.3 - HEIGHT
- A. OPERABLE PARTS SHALL BE PLACED WITHIN ON OR MORE OF THE REACH RANGES SPECIFIED IN 308.

SECTION 309.4 - OPERATION
- A. OPERABLE PARTS SHALL BE OPERABLE WITH ON HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE OPERABLE PARTS SHALL BE 5 LBS MAX.

215 FIRE ALARM SYSTEMS

SECTION 702.1 - GENERAL
- A. FIRE ALARM SYSTEMS SHALL HAVE PERMANENTLY INSTALLED AUDIBLE AND VISIBLE ALARMS COMPLYING WITH NFPA 72 (1999 OR 2002 EDITION), EXCEPT THAT THE MAXIMUM ALLOWABLE SOUND LEVEL OF AUDIBLE NOTIFICATION APPLIANCES COMPLYING WITH SECTION 4-3.2.1 OF NFPA 72 (1999 EDITION) SHALL HAVE A SOUND LEVEL NO MORE THAN 110 DB AT THE MINIMUM HEARING DISTANCE FROM THE AUDIBLE APPLIANCE. IN ADDITION, ALARMS IN GUEST ROOMS REQUIRED TO PROVIDE COMMUNICATION FEATURES SHALL COMPLY WITH SECTIONS 4-3 AND 4-4 OF NFPA 72 (1999 EDITION) OR SECTIONS 7.4 AND 7.5 OF NFPA 72 (2002 EDITION).EXCEPTION: FIRE ALARM SYSTEMS IN MEDICAL CARE FACILITIES SHALL BE PERMITTED TO BE PROVIDED IN ACCORDANCE WITH INDUSTRY PRACTICE.

SECTION 215.2 PUBLIC AND COMMON USE AREAS
- A. ALARMS IN PUBLIC USE AREAS AND COMMON USE AREAS SHALL COMPLY WITH 702.

SECTION 215.3 EMPLOYEE WORK AREAS
- A. WHERE EMPLOYEE WORK AREAS HAVE AUDIBLE ALARM COVERAGE, THE WIRING SYSTEM SHALL BE DESIGNED SO THAT VISIBLE ALARMS COMPLYING WITH 702 CAN BE INTEGRATED INTO THE ALARM SYSTEM.

703 SIGNS

SECTION 703.1 - GENERAL
- A. WHERE BOTH VISUAL AND TACTIAL CHARACTERS ARE REQUIRED, EITHER ONE SIGN WITH BOTH VISUAL AND TACTILE CHARACTERS, OR TWO SEPARATE SIGNS, ONE WITH VISUAL, AND ONE WITH TACTILE CHARACTERS, SHALL BE PROVIDED.

SECTION 703.2 - RAISED CHARACTERS
- A. RAISED CHARACTERS SHALL COMPLY WITH 703.2 AND SHALL BE DUPLICATED IN BAILLE COMPLYING WITH 703.3. RAISED CHARACTERS SHALL BE INSTALLED IN ACCORDANCE WITH 703.4
- B. RAISED CHARACTER DEPTH SHALL BE 1/32" MIN. ABOVE THEIR BACKGROUND. CHARACTERS SHALL BE UPPERCASE IN SANS SERIF STYLE WITH NO ITALIC, OBLIQUE, SCRIPT, HIGHLY DECORATIVE, OR OTHER UNSUAL FORMS.
- C. CHARACTERS SHALL BE SELECTED FROM FONTS WHERE THE WIDTH OF THE UPPERCASE LETTER "O" IS 55% MIN. AND 110% MAX. OF THE HEIGHT OF THE UPPERCASE LETTER "I".
- D. CHARACTER HEIGHT MEASURED VERTICALLY FROM THE BASELINE OF THE CHARACTER SHALL BE 5/8" MIN. AND 2" MAX. BASED ON THE HEIGHT OF THE UPPERCASE LETTER "I".
- E. STROKE THICKNESS OF THE UPPERCASE LETTER "I" SHALL BE 15% MAX. OF THE HEIGHT OF THE CHARACTER.
- F. CHARACTER SPACING SHALL BE MEASURED BETWEEN THE TWO CLOSEST POINTS OF ADJACENT RAISED CHARACTERS WITHIN A MESSAGE, EXCLUDING WORD SPACES. WHERE CHARACTERS HAVE RECTANGULAR CROSS SECTIONS, SPACING BETWEEN INDIVIDUAL RAISED CHARACTERS SHALL BE 1/8" MIN. AND 4 TIMES THE RAISED CHARACTER STROKE WIDTH MAX. WHERE CHARACTERS HAVE OTHER CROSS SECTIONS, SPACING BETWEEN INDIVIDUAL RAISED CHARACTERS SHALL BE 1/16" MIN. AND 4 TIMES THE RAISED CHARACTER STROKE WIDTH MAX. AT THE BASE OF THE CROSS SECTIONS, AND 1/8" MIN. AND 4 TIMES THE RAISED CHARACTER STROKE WIDTH MAXIMUM AT THE TOP OF THE CROSS SECTIONS. CHARACTERS SHALL BE SEPARATED FROM RAISED BORDERS AND DECORATIVE ELEMENTS 3/8" MIN.
- G. SPACING BETWEEN THE BASELINES OF SEPARATE LINES OF RAISED CHARACTERS WITHIN A MESSAGE SHALL BE 135% MIN. AND 170% MAX. OF THE RAISED CHARACTER HEIGHT.

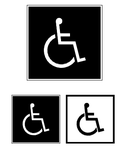
SECTION 703.3 - BRAILLE
- A. BRAILLE DOTS SHALL HAVE A DOMED OR ROUNDED SHAPE AND SHALL COMPLY WITH TABLE 703.3.1. THE INDICATION OF AN UPPERCASE LETTER OR LETTERS SHALL ONLY BE USED BEFORE THE FIRST WORD OF SENTENCES, PROPER NOUNS AND NAMES, INDIVIDUAL LETTERS OF THE ALPHABET, INITIALS, AND ACRONYMS.
- B. BRAILLE SHALL BE POSITIONED BELOW THE CORRESPONDING TEXT. BRAILL SHALL BE SEPARATED 3/8" MIN. FROM ANY OTHER TACTILE CHARACTERS AND 3/8" MIN. FROM RAISED BORDERS AND DECORATIVE ELEMENTS.

SECTION 703.4 - INSTALLATION HEIGHT AND LOCATION
- A. TACTILE CHARACTERS ON SIGNS SHALL BE LOCATED 48" MIN. ABOVE THE FINISH FLOOR OR GROUND SURFACE, MEASURED FROM THE BASELINE OF THE LOWEST TACTILE CHARACTER AND 60" MAX. ABOVE FINISH FLOOR SURFACE, MEASURED FROM THE BASELINE OF THE HIGHEST TACTILE CHARACTER.
- B. AT A DOOR, THE TACTILE SIGN SHALL BE LOCATED ON THE LATCH SIDE. ON A DOUBLE DOOR WITH ONE ACTIVE LEAF, THE SIGN SHALL BE LOCATED ON THE INACTIVE LEAF. ON A DOUBLE DOOR WITH TWO ACTIVE LEAFS, THE SIGN SHALL BE LOCATED THE THE RIGHT OF THE RIGHT HAND DOOR. WHERE THERE IS NO WALL SPACE AVAILABLE, SIGNS SHALL BE LOCATED ON THE NEAREST ADJACENT WALL. SIGNS CONTAINING TACTILE CHARACTERS SHALL BE LOCATED SO THAT A CLEAR FLOOR SPACE OF 18"X18" MIN., CENTERED ON THE CHARACTERS, IS PROVIDED BEYOND THE ARC OF ANY DOOR SWING BETWEEN THE CLOSED POSITION AND 45 DEGREE OPEN POSITION.

SECTION 703.5/703.6 - VISUAL CHARACTERS/PICTOGRAMS
- A. CHARACTERS, PICTOGRAMS, AND SYMBOLS OF ACCESSIBILITY SHALL CONTRAST WITH THEIR BACKGROUND WITH EITHER LIGHT CHARACTERS ON DARK BACKGROUND OR DARK CHARACTERS ON A LIGHT BACKGROUND. BOTH SHALL HAVE A NON-GLARE FINISH.

SECTION 703.6.1 - PICTOGRAM FIELD
- A. PICTOGRAMS SHALL HAVE A FIELD HEIGHT OF 6" MIN. CHARACTERS AND BRAILLE SHALL NOT BE LOCATED IN THE PICTOGRAM FIELD.

SECTION 216.1 - GENERAL
- A. SIGNS SHALL BE PROVIDED IN ACCORDANCE WITH 216 WHICH APPLIES TO THE FOLLOWING: DESIGNATIONS, DIRECTIONAL AND INFORMATIONAL SIGNS, MEANS OF EGRESS (EXIT DOORS, AREAS OF REFUGE, AND DIRECTIONAL SIGNS) PARKING, ENTRANCES, ELEVATORS, TOILET AND BATHING ROOMS, TTYS (IDENTIFICATION SIGNS AND DIRECTIONAL SIGNS), ASSISTIVE LISTENING SYSTEMS, CHECK OUT AISLES, AND AMUSEMENT RIDES.
- B. THOSE AREAS NOT REQUIRED TO COMPLY WITH SECTION 703 ARE BUILDING DIRECTORIES, MENUS, SEAT AND ROW DESIGNATIONS IN ASSEMBLY AREAS, OCCUPANT NAMES, BUILDING ADDRESSES, COMPANY NAMES AND LOGOS, TEMPORARY (7 DAYS OR LESS) SIGNS, AND THOSE NOT LOCATED IN PUBLIC USE AREAS OF DETENTION AND CORRECTIONAL FACILITIES.
- C. PARKING FACILITIES DO NOT REQUIRE COMPLIANCE WITH SECTIONS 216.2, 216.3, AND 216.6 THROUGH 216.12.



INTERNATIONAL SYMBOL OF ACCESSIBILITY

FIGURE 703.7.2.1

LETTERS AND NUMBERS ON SIGNS SHALL HAVE A WIDTH TO HEIGHT RATIO OF BETWEEN 3:5 & 1:1 AND A STROKE - WIDTH TO HEIGHT RATIO BETWEEN 1:5 & 1:10. LETTERS AND NUMBERS SHALL BE RAISED 1/32", UPPER CASE, SANS SERIF OR SIMPLE SERIF TYPE AND SHALL BE ACCOMPANIED WITH GRADE 2 BRAILLE, RAISED CHARACTERS SHALL BE AT LEAST 5/8" HEIGHT, BUT NO MORE THAN 2".

FIGURE 703.6.1

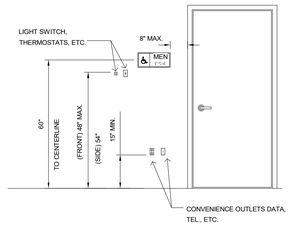


FIGURE 703.4.1

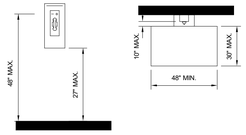
217 TELEPHONES

SECTION 217.1 - GENERAL
- A. IF PUBLIC PAY TELEPHONES, PUBLIC CLOSED CIRCUIT TELEPHONES, OR OTHER PUBLIC TELEPHONES IF PROVIDED, THEN THEY SHALL COMPLY WITH THIS SECTION IN THE QUANTITIES BELOW:
  1. IF ONE OR MORE SINGLE UNIT OF A TYPE OF PUBLIC TELEPHONE IS PROVIDED ON A FLOOR, THEN AT LEAST ONE OF THOSE PHONES SHALL COMPLY WITH THIS SECTION.
  2. IF ONE BANK (DEFINED AS TWO OR MORE ADJACENT PUBLIC TELEPHONES, OFTEN INSTALLED AS A UNIT) OF A TYPE OF TELEPHONE IS PROVIDED ON A FLOOR, THEN AT LEAST ONE OF THE TELEPHONES AT THE BANK SHALL COMPLY WITH THIS SECTION
  3. IF TWO OR MORE BANKS OF A TYPE OF PUBLIC TELEPHONE ARE PROVIDED ON A FLOOR, THEN AT LEAST ONE TELEPHONE PER BANK SHALL COMPLY WITH THESE SECTION.

SECTION 217.3 - VOLUME CONTROLS
- A. ALL PUBLIC TELEPHONES SHALL HAVE VOLUME CONTROLS COMPLYING WITH 704.3
- B. TELEPHONES WITH A VOLUME CONTROL SHALL BE IDENTIFIED BY A VOLUME CONTROL TELEPHONE PICTOGRAM.

SECTION 217.4 - TTYS
- A. WHERE FOUR OR MORE PUBLIC PAY TELEPHONES ARE PROVIDED AT A BANK OF TELEPHONES, AT LEAST ONE PUBLIC TTY COMPLYING WITH 704.4 SHALL BE PROVIDED AT THAT BANK. BUT A TTY IS NOT REQUIRED AT A BANK OF TELEPHONES THAT IS LOCATED WITHIN 200 FEET OF, AND ON THE SAME FLOOR AS, A BANK CONTAINING A PUBLIC TTY.
- A. WHERE ON PUBLIC PAY TELEPHONE IS PROVIDED ON A FLOOR OF A PUBLIC BUILDING, AT LEAST ONE PUBLIC TTY SHALL BE PROVIDED ON THAT FLOOR.
- B. WHERE ONE PUBLIC PAY TELEPHONE IS LOCATED IN THE FOLLING LOCATIONS, AT LEAST ONE PUBLIC TTY SHALL BE PROVIDED:
  PUBLIC REST STOPS, EMERGENCY ROAD STOPS, SERVICE PLAZAS, HOSPITAL EMERGENCY ROOMS, HOSPITAL RECOVERY ROOMS, HOSPITAL WAITING ROOMS, BUS OR RAIL FACILITY ENTRANCES, AND DETENTION OR CORRECTIONAL FACILITIES WHERE THE PHONE IS USED ONLY BY DETAINEESS OR INMATES AND SECURITY PERSONNEL.

SECTION 308 - REACH RANGES (REFERENCE DETAIL 704.2.1.1)
- A. THE HIGHEST OPERABLE PART OF THE TELEPHONE SHALL BE 48" MAXIMUM ABOVE THE FLOOR WHERE A FORWARD REACH IS REQUIRED.
- B. IF THE FORWARD REACH IS OVER AN OBSTRUCTION (WITH KNEE SPACE EQUAL TO OR GREATER THAN REACH DISTANCE) 20"-25" DEEP THE MAXIMUM HEIGHT SHALL BE 44". IF THE OBSTRUCTION IS LESS THAN 20", MAXIMUM HEIGHT SHALL BE 48"
- C. MAXIMUM HEIGHT SHALL BE 46" FOR SIDE REACH OVER AN OBSTRUCTION 34" MAXIMUM HIGH AND 24" MAXIMUM DEEP.



DETAIL 704.2.1.1

902 DINING AND WORK SURFACES

SECTION 902.4.1 - CLEAR FLOOR OR GROUND SPACE
- A. IF SEATING SPACES FOR PEOPLE IN WHEELCHAIRS ARE PROVIDED AT FIXED TABLES OR COUNTERS, CLEAR FLOOR SPACE OF 30" X 48" SHALL BE PROVIDED. FLOOR SPACE SHALL NOT OVERLAP REQUIRED KNEE SPACE BY MORE THAN 19"
- B. IF SEATING FOR PEOPLE IN WHEELCHAIRS IS PROVIDED AT FIXED TABLES OR COUNTERS, KNEE SPACE AT LEAST 24" HIGH, 30" WIDE AND 19" DEEP SHALL BE PROVIDED.

SECTION 902.4.2 - HEIGHT OF TABLES OR COUNTER
- C. THE TOPS OF ACCESSIBLE TABLES AND COUNTERS SHALL BE 26" MINIMUM, AND 30" MAXIMUM, ABOVE THE FINISHED FLOOR.

707 AUTOMATIC TELLER MACHINES

SECTION 707.2 - CLEAR FLOOR SPACE
- A. FLOOR SPACE SHALL COMPLY WITH 305 TO ALLOW A FORWARD, PARALLEL APPROACH OR BOTH.
- B. OPERABLE PARTS SHALL COMPLY WITH 309. UNLESS A CLEAR OR CORRECT KEY IS PROVIDED, EACH OPERABLE PART SHALL BE ABLE TO BE DIFFERENTIATED BY SOUND OR TOUCH, WITHOUT ACTIVATION.

SECTION 309.4 - OPERATION
- A. OPERABLE PARTS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE OPERABLE PARTS SHALL BE 5 POUNDS MAX.
- B. OPERABLE PARTS SHALL BE PLACED WITHIN ONE OR MORE OF THE REACH RANGES SPECIFIED IN 308

SECTION 308.2 - FORWARD REACH
- A. UNOBSTRUCTED - HIGH REACH IS 48" AND LOW REACH IS 15"
- B. OBSTRUCTED - WITH 20" MAX. REACH DEPTH, 48" IS THE MAX HEIGHT OF OPERABLE PARTS. WHERE THE REACH HEIGHT IS BEYOND 20" BUT A MAXIMUM OF 25", THE MAX. REACH HEIGHT IS 44".

SECTION 308.3 - SIDE REACH
- A. UNOBSTRUCTED - HIGH REACH IS 48" AND LOW REACH IS 15".
- B. OBSTRUCTED - OBSTRUCTION SHALL BE 34" MAX. HEIGHT AND 24" DEPTH. FOR AN OBSTRUCTION DEPTH OF 10" MAX, THE REACH HEIGHT SHALL BE