403 WALKING SURFACES

SECTIONS 403.5.1 - CLEAR WIDTH
- A. THE CLEAR WIDTH OF WALKING SURFACES SHALL BE 36" WIDE MINIMUM.
- B. THE CLEAR WIDTH SHALL BE PERMITTED TO BE REDUCED TO 32" MINIMUM FOR A LENGTH OF 24" MAXIMUM PROVIDED THAT REDUCED WIDTH SEGMENTS ARE SEPARATED BY SEGMENTS THAT ARE 48" LONG MINIMUM AND 36" WIDE MINIMUM.

SECTIONS 403.5.3 - PASSING SPACES
- A. WIDTH FOR WHEELCHAIR PASSING AN ACCESSIBLE ROUTE WITH A CLEAR WIDTH LESS THAN 60" SHALL PROVIDE PASSING SPACES AT INTERVALS OF 200' MAXIMUM. PASSING SPACES SHALL BE EITHER: A SPACE 60" MINIMUM BY 60" MINIMUM; OR, AN INTERSECTION OF TWO WALKING SURFACES PROVIDING A T-SHAPED SPACE COMPLYING WITH 304.3.2 WHERE THE BASE AND ARMS OF THE T-SHAPED SPACE EXTEND 48" MINIMUM BEYOND THE INTERSECTION.

SECTIONS 305.3 - SIZE
- A. MINIMUM CLEAR FLOOR SPACE FOR A WHEELCHAIR AND OCCUPANT SHALL BE 30" X 48".

SECTIONS 305.5 - POSITION
- A. UNLESS OTHERWISE SPECIFIED, CLEAR FLOOR OR GROUND SPACE SHALL BE POSITIONED FOR EITHER FORWARD OR PARALLEL APPROACH TO AN ELEMENT.

206 ACCESSIBLE ROUTE

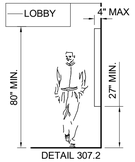
SECTIONS 206.2.1 - SITE ARRIVAL POINTS
- A. AT LEAST ONE ACCESSIBLE ROUTE SHALL BE PROVIDED WITHIN THE SITE FROM ACCESSIBLE PARKING SPACES AND ACCESSIBLE PASSENGER LOADING ZONES; PUBLIC STREETS AND SIDEWALKS; AND PUBLIC TRANSPORTATION STOPS TO THE ACCESSIBLE BUILDING ENTRANCE THEY SERVE.

SECTIONS 307.4 - VERTICAL CLEARANCE
- A. VERTICAL CLEARANCE SHALL BE 80" HIGH MINIMUM. GUARDRAILS OR OTHER BARRIERS SHALL BE PROVIDED WHERE THE VERTICAL CLEARANCE IS LESS THAN 80 INCHES HIGH. THE LEADING EDGE OF SUCH GUARDRAIL OR BARRIER SHALL BE LOCATED 27" MAXIMUM ABOVE THE FINISH FLOOR OR GROUND.

SECTION 403.3 - SLOPE
- A. THE RUNNING SLOPE OF WALKING SURFACES SHALL NOT BE STEEPER THAN 1:20.
- B. THE CROSS SLOPE SHALL NOT BE STEEPER THAN 1:48.

307 PROTRUDING OBJECTS

(REFERENCE FIGURES 307.2, 307.3 & 307.4)
- A. PROTRUSION LIMITS - OBJECTS WITH LEADING EDGES MORE THAN 27" AND NO MORE THAN 80" ABOVE THE FINISH FLOOR OR GROUND SHALL PROTRUDE 4" MAX. HORIZONTALLY INTO THE CIRCULATION PATH
- B. POST-MOUNTED OBJECTS - FREE-STANDING OBJECTS MOUNTED ON POSTS OR PYLONS SHALL OVERHANG CIRCULATION PATHS 12" MAX. WHEN LOCATED 27"-80" MAX. ABOVE THE FINISH FLOOR OR GROUND.
- C. WHERE A SIGN OR OTHER OBSTRUCTION IS MOUNTED B/N OR PYLONS IS GREATER THAN 12", THE LOWEST EDGE OF STS SUCH SIGN OR OBSTRUCTION SHALL BE 27"-80" ABOVE THE FINISH FLOOR OR GROUND.
- D. VERTICAL CLEARANCE - SHALL BE 80" HIGH MIN. GUARDRAILS OR OTHER BARRIER SHALL BE PROVIDED WHERE THE VERTICAL CLEARANCE IS LESS THAN 80" HIGH. THE LEADING EDGE OF SUCH GUARDRAIL OR BARRIER SHALL BE LOCATED 27" MAX. ABOVE THE FINISH FLOOR OR GROUND.
- E. PROTRUDING OBJECTS SHALL NOT REDUCE THE CLEAR WIDTH REQUIRED FOR ACCESSIBLE ROUTES.



DETAIL 307.2

302 FLOOR OR GROUND SURFACES

SECTION 302.2 - CARPET
- A. CARPET OR CARPET TILE SHALL BE SECURELY ATTACHED AND SHALL HAVE A FIRM CUSHION, PAD, OR BACKING OR NO CUSHION OR PAD AND SHALL HAVE A LEVEL LOOP, TEXTURED LOOP, LEVEL CUT PILE, OR LEVEL CUT/UNCUT PILE TEXTURE. PILE HEIGHT SHALL BE 1/2" MAX. EXPOSED EDGES OF CARPET SHALL BE FASTENED TO FLOOR SURFACES AND SHALL HAVE TRIM ON THE ENTIRE LENGTH OF THE EXPOSED EDGE. CARPET EDGE TRIM SHALL COMPLY WITH 303.

SECTION 302.3 - OPENINGS
- A. OPENINGS IN FLOOR OR GROUND SURFACES SHALL NOT ALLOW PASSAGE OF A SPHERE MORE THAN 1/2" DIAMETER.
- B. ELONGATED OPENINGS SHALL BE PLACED SO THAT THE LONG DIMENSION IS PERPENDICULAR TO THE DOMINANT DIRECTION OF TRAVEL.

SECTIONS 303 - CHANGES IN LEVEL (REFERENCE FIGURE 303)
- A. CHANGES IN LEVEL OF 1/4" HIGH MAX. SHALL BE PERMITTED TO BE VERTICAL.
- B. CHANGES IN LEVEL BETWEEN 1/4" HIGH MAX. AND 1/2" HIGH MAX. SHALL BE BEVELED WITH A SLOPE NOT STEEPER THAN 1:2.

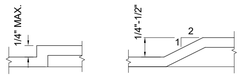


FIGURE 303

502 & 503 PARKING AND PASSENGER LOADING ZONES

SECTION 502 - PARKING SPACES
- A. CAR PARKING SPACES SHALL BE AT LEAST 96" WIDE MIN.
- B. VAN PARKING SPACES SHALL BE PERMITTED TO BE 96" WIDE MIN. WHERE THE ACCESS AISLE BETWEEN THEM IS 96" WIDE MIN.
- C. PARKING SPACES AND ACCESS AISLES SERVING THEM SHALL COMPLY WITH 302. ACCESS AISLES SHALL BE AT THE SAME LEVEL AS THE PARKING SPACES THEY SERVE. CHANGES IN LEVELS ARE NOT PERMITTED.

SECTION 502.5 - VERTICAL CLEARANCE
- A. PARKING SPACES FOR VANS AND ACCESS AISLES AND VEHICULAR ROUTES SERVING THEM SHALL PROVIDE A VERTICAL CLEARANCE OF 98" MIN.

SECTION 502.6 - IDENTIFICATION
- A. PARKING SPACE IDENTIFICATION SIGNS SHALL INCLUDE THE INTERNATIONAL SYMBOL OF ACCESSIBILITY COMPLYING WITH 703.7.2.1.
- B. SIGNS IDENTIFYING VAN PARKING SPACES SHALL CONTAIN THE DESIGNATION "VAN ACCESSIBLE."
- C. SIGNS SHALL BE 60" MINIMUM ABOVE THE GROUND SURFACE MEASURED TO THE BOTTOM OF THE SIGN.

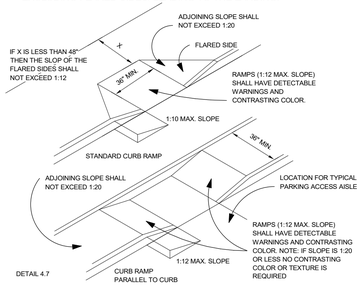
SECTION 503 - PASSENGER LOADING ZONES
- A. PASSENGER LOADING ZONES SHALL PROVIDE A VEHICULAR PULL-UP SPACE 96" WIDE MIN. AND 20' LONG MIN.
- B. PASSENGER LOADING ZONES SHALL PROVIDE ACCESS AISLES COMPLYING WITH 503 ADJACENT TO THE VEHICLE PULL-UP SPACE. ACCESS AISLES SHALL ADJOIN AN ACCESSIBLE ROUTE AND SHALL NOT OVERLAP THE VEHICULAR WAY.
- C. ACCESS AISLE SERVING VEHICLE PULL-UP SPACES SHALL BE 60" WIDE. SHALL EXTEND THE FULL LENGTH OF THE VEHICLE PULL-UP SPACES THEY SERVE AND SHALL BE MARKED SO AS TO DISCOURAGE PARKING IN THEM.

406 CURB RAMPS

SECTION 406.1 - GENERAL
- A. CURB RAMPS ON ACCESSIBLE ROUTES SHALL COMPLY WITH 406, 405.2 THROUGH 405.5, AND 405.10.

SECTION 406.2 - SLOPE
- B. COUNTER SLOPES OF ADJOINING GUTTERS AND ROAD SURFACES IMMEDIATELY ADJACENT TO THE CURB RAMP SHALL NOT BE STEEPER THAN 1:20. CURB RAMP FLARES SHALL NOT BE STEEPER THAN 1:10.

SECTION 406.4 - LANDINGS
- A. LANDINGS SHALL BE PROVIDED AT THE TOPS OF CURB RAMPS. THE LANDING CLEAR LENGTH SHALL BE 36" MIN. THE LANDING CLEAR WIDTH SHALL BE AT LEAST AS WIDE AS THE CURB RAMP, EXCLUDING FLARED SIDES, LEADING TO THE LANDING.



SECTION 406.6 - DIAGONAL CURB RAMPS
- A. DIAGONAL OR CORNER TYPE CURB RAMPS WITH RETURNED CURBS OR OTHER WELL-DEFINED EDGES SHALL HAVE THE EDGES PARALLEL TO THE DIRECTION OF PEDESTRIAN FLOW. THE BOTTOM DIAGONAL CURB RAMPS SHALL HAVE A CLEAR SPACE 48" MINIMUM OUTSIDE ACTIVE TRAFFIC LANES OF THE ROADWAY. DIAGONAL CURB RAMPS PROVIDED AT MARKED CROSSINGS SHALL PROVIDE THE 48" MIN. CLEAR SPACE WITHIN THE MARKINGS. DIAGONAL CURB RAMPS WITH FLARED SIDES SHALL HAVE A SEGMENT OF CURB 24" LONG MIN. LOCATED ON EACH SIDE OF THE CURB RAMP AND WITHIN THE MARKED CROSSING.

SECTION 406.7 - ISLANDS
- A. RAISED ISLANDS IN CROSSINGS SHALL BE CUT THROUGH LEVEL WITH THE STREET OR CURB RAMPS AT BOTH SIDES. EACH CURB RAMP SHALL HAVE A LEVEL AREA 48" LONG MIN BY 36" WIDE MIN. AT THE TOP OF THE CURB RAMP IN THE PART OF THE ISLAND INTERSECTED BY THE CROSSINGS.

405 RAMPS

RAMP: A WALKING SURFACE THAT HAS A RUNNING SLOPE STEEPER THAN 1:20.
SECTION 405.2-405.4 - SLOPE
- A. RAMP RUNS SHALL HAVE A RUNNING SLOPE NOT STEEPER THAN 1:12.
- B. CROSS SLOPE OF RAMP RUNS SHALL NOT BE STEEPER THAN 1:48.
- C. FLOOR OR GROUND SURFACES OF RAMP RUNS SHALL COMPLY WITH 302.
- D. THE RISE FOR ANY RAMP RUN SHALL BE 30" MAX.

SECTION 405.5 - CLEAR WIDTH
- A. THE CLEAR WIDTH OF A RAMP RUN AND, WHERE HANDRAILS ARE PROVIDED, THE CLEAR WIDTH BETWEEN HANDRAILS SHALL BE 36" MIN.

SECTION 405.7 - LANDINGS
- A. RAMPS SHALL HAVE LANDINGS AT THE TOP AND THE BOTTOM OF EACH RAMP RUN. LANDING SHALL COMPLY WITH 302.
- B. THE LANDING CLEAR WIDTH SHALL BE AT LEAST AS WIDE AS THE WIDEST RAMP RUN LEADING TO THE LANDING.
- C. THE LANDING CLEAR LENGTH SHALL BE 60" MIN.
- D. RAMPS THAT CHANGE DIRECTION BETWEEN RUNS AT LANDINGS SHALL HAVE A CLEAR LANDING 60" MIN. BY 60" MIN.
- E. RAMP RUNS WITH A RISE GREATER THAN 6" SHALL HAVE HANDRAILS COMPLYING WITH 505.

SECTION 405.9 - EDGE PROTECTION
- A. THE FLOOR OR GROUND SURFACE OF THE RAMP RUN OR LANDING SHALL EXTEND 12" MIN BEYOND THE INSIDE FACE OF A HANDRAIL COMPLYING WITH 505.
- B. A CURB OR BARRIER SHALL BE PROVIDED THAT PREVENTS THE PASSAGE OF A 4" DIAMETER SPHERE, WHERE ANY PORTION OF THE SPHERE IS WITHIN 4" OF THE FINISH FLOOR OR GROUND SURFACE.

SECTION 405.10 - WET CONDITIONS
- A. LANDINGS SUBJECT TO WET CONDITIONS SHALL BE DESIGNED TO PREVENT THE ACCUMULATION OF WATER.

504 STAIRWAYS

SECTION 504.2 - TREADS AND RISERS
- A. ALL STEPS ON A FLIGHT OF STAIRS SHALL HAVE UNIFORM RISER HEIGHTS AND READ DEPTHS.
  1. RISERS SHALL BE 4" HIGH MIN AND 7" HIGH MAX.
  2. TREADS SHALL BE 11" DEEP MIN.
  3. OPEN RISERS ARE NOT PERMITTED.
  4. THE RADIUS OF THE CURVATURE AT THE LEADING EDGE OF THE TREAD SHALL BE 1/2 MAX. NOSINGS THAT PROJECT BEYOND RISERS SHALL HAVE THE UNDERSIDE OF THE LEADING EDGE CURVED OR BEVELED.
  5. THE PERMITTED PROJECTION OF THE NOSING SHALL EXTEND 1-1/2" MAX OVER THE TREAD BELOW.
  6. HANDRAILS SHALL COMPLY WITH 505.

SECTION 505 - HANDRAILS
- A. HANDRAILS SHALL BE PROVIDED ON BOTH SIDES OF STAIRS AND RAMPS AND BE CONTINUOUS WITHIN THE FULL LENGTH OF EACH STAIR FLIGHT OR RAMP RUN.
- B. TOP OF GRIPPING SURFACES OF HANDRAILS SHALL BE BETWEEN 34" MIN AND 38" MAX VERTICALLY ABOVE WALKING SURFACES, STAIR NOSINGS, AND RAMP SURFACES.
- C. CLEARANCE BETWEEN HANDRAIL GRIPPING SURFACES AND ADJACENT SURFACES SHALL BE 2 1/4" MIN.
- D. AT THE TOP OF A STAIR FLIGHT, HANDRAILS SHALL EXTEND HORIZONTALLY ABOVE THE LANDING FOR 12" MIN. BEGINNING DIRECTLY ABOVE THE FIRST RISER NOSING.
- E. AT THE BOTTOM OF A STAIR FLIGHT, HANDRAILS SHALL EXTEND AT THE SLOPE OF THE STAIR FLIGHT FOR A HORIZONTAL DISTANCE AT LEAST EQUAL TO ONE TREAD DEPTH BEYOND THE LAST RISER NOSING.
- F. EXTENSIONS SHALL RETURN TO A WALL, GUARD, OR THE LANDING SURFACE, OR SHALL BE CONTINUOUS TO THE HANDRAIL OF AN ADJACENT STAIR FLIGHT.
- G. HEIGHT: 34"-38", MEASURED FROM THE STAIR NOSING.

407 ELEVATORS

SECTIONS 407.1 - GENERAL
- A. ELEVATORS SHALL COMPLY WITH 407 AND ASME A17.1. THEY SHALL BE PASSENGER ELEVATORES AS CLASSIFIED BY ASME A17.1. ELEVATOR OPERATION SHALL BE AUTOMATIC.

SECTION 407.2.1 - CALL CONTROLS
- A. SHALL COMPLY WITH 407.2.1 AND 309.4. CALL BUTTONS SHALL BE RAISED OR FLUSH.
- B. SHALL BE LOCATED WITHIN ONE OF THE REACH RANGES SPECIFIED IN 308, MEASURED TO THE CENTERLINE OF THE HIGHEST OPERABLE PART.
- C. CALL BUTTONS SHALL BE 3/4" " MIN. IN THE SMALLEST DIMENSION.
- D. A CLEAR FLOOR SPACE COMPLYING WITH 305 SHALL BE PROVIDED. AT CALL CONTROLS.
- E. THE CALL BUTTON THAT DESIGNATES THE UP DIRECTION SHALL BE LOCATED ABOVE THE CALL BUTTON THAT DESIGNATES THE DOWN DIRECTION.
- F. CALL BUTTONS SHALL HAVE VISIBLE SIGNALS TO INDICATE WHEN EACH CALL IS REGISTERED AND WHEN EACH CALL IS ANSWERED.
- G. KEYPADS SHALL BE IN A STANDARD TELEPHONE KEYPAD ARRANGEMENT AND SHALL COMPLY WITH 407.4.7.2.

SECTIONS 407.2.2.2 - VISIBLE SIGNALS
- A. VISIBLE SIGNAL FIXTURES SHALL BE CENTERED AT 72" MIN. ABOVE THE FINISH FLOOR.
- B. THE VISIBLE SIGNAL ELEMENTS SHALL BE 2 1/2" MIN. MEASURED ALONG THE VERTICAL CENTERLINE OF THE ELEMENT.

SECTIONS 407.2.3 - HOISTWAY SIGNS

SECTIONS 407.2.3.1 - FLOOR DESIGNATION
- A. FLOOR DESIGNATIONS SHALL BE PROVIDED ON BOTH JAMBS OF ELEVATOR HOISTWAY ENTRANCES. FLOOR DESIGNATIONS SHALL BE PROVIDED IN BOTH TACTILE CHARACTERS AND BRAILLE. TACTILE CHARACTERS SHALL BE 2" HIGH MINIMUM. A TACTILE STAR SHALL BE PROVIDED ON BOTH JAMBS AT THE MAIN ENTRY LEVEL.

SECTIONS 407.2.3.2 - CAR DESIGNATIONS
- A. DESIGNATION-ORIENTED ELEVATORS SHALL PROVIDE TACTILE CAR IDENTIFICATION COMPLYING WITH 703.2 ON BOTH JAMBS OF THE HOISTWAY IMMEDIATELY BELOW THE FLOOR DESIGNATION. CAR DESIGNATIONS SHALL BE PROVIDED IN BOTH TACTILE CHARACTERS AND BRAILLE. TACTILE CHARACTERS SHALL BE 2" HIGH MINIMUM.

SECTIONS 407.3.2 & 407.3.3 - OPERATION & REOPENING DEVICE
- A. ELEVATOR DOORS SHALL OPEN AND CLOSE AUTOMATICALLY. THEY SHALL BE PROVIDED WITH A REOPENING DEVICE THAT WILL STOP AND REOPEN A CAR DOOR AND HOIST WAY DOOR AUTOMATICALLY IF THE DOOR BECOMES OBSTRUCTED BY AN OBJECT OR PERSON.

SECTIONS 4.10.12 - CAR CONTROLS
- A. ALL CONTROL BUTTONS SHALL BE DESIGNATED BY BRAILLE AND BY RAISED STANDARD ALPHABET CHARACTERS FOR LETTERS, ARABIC CHARACTERS FOR NUMERALS. THE CALL BUTTON FOR THE MAIN ENTRY FLOOR SHALL BE DESIGNATED BY A RAISED STAR AT THE LEFT FOR THE FLOOR DESIGNATION.

SECTIONS 407.4.6.4 - EMERGENCY CONTROLS:
- A. SHALL HAVE CENTERLINES 35" MINIMUM ABOVE FLOOR.
- B. SHALL BE GROUPED AT BOTTOM OF PANEL.

410 - PLATFORM LIFTS

SECTIONS 410.1 - GENERAL
- A. PLATFORM LIFTS SHALL COMPLY WITH ASME A18.1 (1999 EDITION OR 2003 EDITION). PLATFORM LIFTS SHALL NOT BE ATTENDANT-OPERATED AND SHALL PROVIDE UNASSISTED ENTRY AND EXIT FROM THE LIFT.

SECTIONS 410.3 - CLEAR FLOOR SPACE
- A. CLEAR FLOOR SPACE IN PLATFORM LIFTS SHALL COMPLY WITH 305. CLEAR FLOOR OR GROUND SPACE SHALL BE POSITIONED FOR EITHER FORWARD OR PARALLEL APPROACH TO AN ELEMENT. THE CLEAR FLOOR OR GROUND SPACE SHALL BE 30" MINIMUM BY 48" MINIMUM.

SECTION 410.4 - PLATFORM TO RUNWAY CLEARANCE
- A. THE CLEARANCE BETWEEN THE PLATFORM SILL AND THE EDGE OF ANY RUNWAY LANDING SHALL BE 1 1/4" MAXIMUM.

404 DOORS

SECTION 404.2.2 - DOUBLE-LEAF DOORS
- A. AT LEAST ONE OF THE ACTIVE LEAVES OF DOORWAYS WITH TWO LEAVES SHALL COMPLY WITH 404.2.3 AND 404.2.4.

SECTION 404.2.3 - CLEAR WIDTH
- A. DOOR OPENINGS SHALL PROVIDE A CLEAR WIDTH OF OF 32" MINIMUM.
  1. CLEAR OPENINGS WITH SWINGING DOORS SHALL BE MEASURED BETWEEN THE FACE OF THE DOOR AND THE STOP, WITH DOOR OPEN 90 DEGREES.
  2. OPENINGS MORE THAN 24" DEEP SHALL PROVIDE A CLEAR OPENING OF 36" MINIMUM.

SECTION 404.2.4 - MANEUVERING CLEARANCES AT DOORS
PROVIDE LEVEL (1:50 MAX. SLOPE) AND CLEAR MANEUVERING AREA AT DOORS AS FOLLOWS
- A. FRONT APPROACH/PULL SIDE - 60" MIN. WIDTH & 18" MIN. BEYOND LATCH SIDE
  FRONT APPROACH/PUSH SIDE - 48" MIN. WIDTH & 0" BEYOND LATCH SIDE (ADD 12" @ LATCH SIDE IF CLOSER AND LATCH ARE PROVIDED)
- B. HINGE SIDE APPROACH/PULL SIDE - 60" MIN. WIDTH; 36 " MIN. BEYOND LATCH SIDE
  OR - 54" MIN. WIDTH; 42" MIN. BEYOND LATCH SIDE.
  HINGE APPROACH/PUSH SIDE - 42" MIN. WIDTH; 22" MIN. BEYOND HINGE SIDE
  (48" MIN. WIDTH IF CLOSER AND LATCH ARE PROVIDED)
- C. LATCH SIDE APPROACH/PULL SIDE - 48" MIN. WIDTH; 24" MIN. BEYOND LATCH SIDE.
  (54" MIN. WIDTH IF CLOSER IS PROVIDED)
  LATCH SIDE APPROACH/PUSH SIDE - 42" MIN. WIDTH & 24" MIN. BEYOND LATCH SIDE
  (48" MIN. WIDTH IF CLOSER IS PROVIDED)

SECTION 404.2.5 - THRESHOLDS

- A. SHALL BE 1/2" HIGH MAXIMUM. RAISED THRESHOLDS AND CHANGES IN LEVEL AT DOORWAYS SHALL COMPLY WITH 302 AND 303. EXISTING OR ALTERED THRESHOLDS 3/4" HIGH MAXIMUM THAT HAVE A BEVELED EDGE ON EACH SIDE WITH A SLOPE NOT STEEPER THAN 1:2 SHALL NOT BE REQUIRED TO COMPLY WITH 404.2.5.

SECTION 404.2.7 - DOOR HARDWARE
1. HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERABLE PARTS ON DOORS SHALL COMPLY WITH 309.4. WHICH STATES, OPERABLE PARTS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST.
2. OPERABLE PARTS OF SUCH HARDWARE SHALL BE 34" MIN. AND 48" MAXIMUM ABOVE THE FINISH FLOOR OR GROUND.
3. WHERE SLIDING DOORS ARE IN THE FULLY OPEN POSITION, OPERATING HARDWARE SHALL BE EXPOSED AND USABLE FROM BOTH SIDES.

SECTION 404.2.8.1 - DOOR CLOSERS
- A. DOOR CLOSERS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO A POSITION OF 12 DEGREES FROM THE LATCH IS 5 SECONDS MINIMUM.

SECTION 404.2.9 DOOR OPENING FORCE
FIRE DOORS SHALL HAVE A MINIMUM OPENING FORCE ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY.
1. OTHER THAN FIRE DOORS:
   - a. EXTERIOR HINGED DOORS NO REQUIREMENT.
   - b. INTERIOR HINGED DOORS : 5.0 LBS. MAXIMUM.
   - c. SLIDING OR FOLDING DOORS : 5.0 LBS. MAXIMUM. THESE FORCES DO NOT APPLY TO THE FORCE REQUIRED TO RETRACT LATCH BOLTS OR DISENGAGE OTHER DEVICES THAT HOLD THE DOOR IN A CLOSED POSITION.

602 DRINKING FOUNTAINS

SECTION 211.2 - MINIMUM NUMBER OF DRINKING FOUNTAINS
- A. NO FEWER THAN TWO DRINKING FOUNTAINS SHALL BE PROVIDED. IN ADDITION TO ACCESSIBLE UNIT, AT LEAST ONE DRINKING FOUNTAIN SHALL BE AT STANDARD HEIGHT (MAY BE "HIGH/LOW" TYPE IF LOCATED IN ONE LOCATION.)
- SHALL COMPLY WITH 307 AND 602

SECTION 602.4 - SPOUT HEIGHT
- A. SPOUT OUTLETS SHALL BE 36" MAXIMUM ABOVE THE FINISH FLOOR OR GROUND.

SECTION 602.5 - SPOUT LOCATION
- A. THE SPOUT SHALL BE LOCATED 15" MIN. FROM THE VERTICAL SUPPORT AND 5" MAX. FROM THE FRONT EDGE OF THE UNIT, INCLUDING BUMPERS.

SECTION 602.6 WATER FLOW
1. THE SPOUT SHALL PROVIDE A FLOW OF WATER 4" HIGH MIN. AND BE LOCATED 5" MAX. FROM THE FRONT OF THE UNIT.
2. THE ANGLE OF THE WATER STREAM SHALL BE MEASURED HORIZONTALLY RELATIVE TO THE FRONT FACE OF THE UNIT.
   2.1. WHERE SPOUTS ARE LOCATED LESS THAN 3" FROM THE FRONT OF THE UNIT, THE ANGLE OF THE WATER STREAM SHALL BE 30 DEGREES MAX.
   2.2. WHERE SPOUTS ARE LOCATED BETWEEN 3" AND 5" MAX. FROM THE FRONT OF THE UNIT, THE ANGLE OF THE WATER STREAM SHALL BE 15 DEGREES MAX.

SECTION 306 - KNEE AND TOE CLEARANCE

SECTION 306.2 - TOE CLEARANCE
- A. SPACE UNDER AN ELEMENT BETWEEN THE FINISH FLOOR OR GROUND AND 9" ABOVE THE FINISH FLOOR OR GROUND SHALL BE CONSIDERED TOE CLEARANCE.
- B. TOE CLEARANCE SHALL EXTEND 25" MAXIMUM UNDER AN ELEMENT.
- C. TOE CLEARANCE SHALL BE 30" WIDE MINIMUM.

SECTION 306.3 - KNEE CLEARANCE
- A. SPACE UNDER AN ELEMENT BETWEEN 9" AND 27" ABOVE THE FINISH FLOOR OR GROUND SHALL BE CONSIDERED KNEE CLEARANCE.
- B. KNEE CLEARANCE SHALL EXTEND 25" MAXIMUM UNDER AN ELEMENT AT 9" ABOVE THE FINISH FLOOR OR GROUND.
- C. KNEE CLEARANCE SHALL BE 30" WIDE MINIMUM.

SECTION 305.2 - SIZE OF CLEAR FLOOR
- A. THE CLEAR FLOOR OR GROUND SPACE SHALL BE 30" MINIMUM BY 48" MINIMUM.

SECTION 305.5 - POSITION
- A. UNLESS OTHERWISE SPECIFIED, CLEAR FLOOR OR GROUND SPACE SHALL BE POSITIONED FOR EITHER FORWARD OR PARALLEL APPROACH TO AN ELEMENT.

604 WATER CLOSETS

SECTION 604.2 - LOCATION
- A. THE WATER CLOSET SHALL BE POSITION WITH A WALL OR PARTITION TO THE REAR AND TO ONE SIDE.
- B. THE CENTERLINE OF THE WATER CLOSET SHALL BE 16" MIN. TO 18" MAX. FROM THE SUDE WALL OR PARTITION.
- C. WATER CLOSETS SHALL BE ARRANGED FOR A LEFT-HAND OR RIGHT-HAND APPROACH.

SECTION 604.3 CLEARANCE
- D. CLEARANCE AROUND A WATER CLOSETS SHALL BE 60" MIN. MEASURED PERPENDICULAR FROM THE SIDE WALL AND 56" MIN. MEASURED PERPENDICULAR FROM THE REAR WALL.

603.2.3 DOORS SHALL NOT SWING INTO THE CLEAR FLOOR SPACE OR CLEARANCE REQUIRED FOR ANY FIXTURE.

SECTION 604.4 - SEATS
- A. THE SEAT HEIGHT OF A WATER CLOSET ABOVE THE FINISH FLOOR SHALL BE 17" MIN. AND 19" MAX MEASURED TO THE TOP OF THE SEAT.
- B. SEATS SHALL NOT BE SPRUNG TO RETURN TO A LIFTED POSITION

SECTION 604.5 - GRAB BARS (REFERENCE FIGURES 604.5.1 & 604.5.2) COMPLY WITH 609 AND THE FOLLOWING:
1. SIDE WALL: 42" LONG MIN., LOCATED 12" MAX. FROM REAR WALL AND EXTENDING 54" MIN. FROM THE REAR WALL
2. REAR WALL: 36" LONG MIN., AND EXTEND FROM THE CENTERLINE OF THE WATER CLOSET 12" MIN. ON ONE SIDE AND 24" MIN. ON THE OTHER SIDE

SECTION 604.6 - FLUSH CONTROLS (REFERENCE FIGURE 604.5.2)
3. FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC.
4. HAND OPERATED CONTROLS SHALL COMPLY WITH 309.
5. FLUSH CONTROLS SHALL BE LOCATED ON THE OPEN SIDE OF THE WATER CLOSET.

SECTION 309 - OPERABLE PARTS
309.3. OPERABLE PARTS SHALL BE PLACED WITHIN ONE OR MORE OF THE REACH RANGES SPECIFIED IN 308.
309.4-A. OPERABLE PARTS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST.
309.4-4B.THE FORCE REQUIRED TO ACTIVATE OPERABLE PARTS SHALL BE 5 LBS. MAX.

SECTION 604.7 - DISPENSERS (REFERENCE FIGURE 604.5.1)
- A. TOILETS TISSUE DISPENSERS SHALL COMPLY WITH 309.4
  1. SHALL BE 7" MIN. AND 9" MAX. IN FRONT OF THE WATER CLOSET MEASURED TO THE CENTERLINE OF THE DISPENSER.
  2. THE OUTLET OF THE DISPENSER SHALL BE 15" MIN AND 48" MAX. ABOVE THE FINISH FLOOR AND SHALL NOT BE LOCATED BEHIND GRAB BARS.
  3. DISPENSERS SHALL NOT BE OF A TYPE THAT CONTROLS DELIVERY OR THAT DOES NOT ALLOW CONTINUOUS PAPER FLOW.

SECTION 604.8.1 WHEELCHAIR ACCESSIBLE COMPARTMENTS
1. SHALL BE 60" WIDE MIN. MEASURED PERPENDICULAR TO THE SIDE WALL, AND 56" DEEP MIN. FOR WALL HUNG WATER CLOSETS AND 59" DEEP MIN. FOR FLOOR MOUNTED WATER CLOSETS MEASURED PERPENDICULAR TO THE REAR WALL.

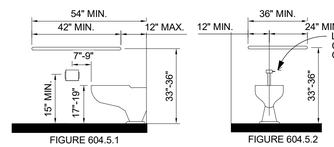


FIGURE 604.5.1 FIGURE 604.5.2

213 TOILET FACILITIES

SECTION 213.3.1 - TOILET COMPARTMENTS
- A. WHERE TOILET COMPARTMENTS ARE PROVIDED, AT LEAST ONE SHALL COMPLY WITH 604.8.1.
- B. IN ADDITION TO 213.3.1-A, AT LEAST ONE COMPARTMENT SHALL COMPLY WITH 604.8.2. WHERE SIX OR MORE TOILET COMPARTMENTS ARE PROVIDED OR WHERE THE COMBINATION OF URINALS AND WATER CLOSETS TOTALS SIX OR MORE FIXTURES.

SECTION 604.2 - LOCATION
- A. THE WATER CLOSET SHALL BE POSITIONED WITH A WALL OR PARTITION TO THE REAR AND TO ONSE SIDE OF THE CENTERLINE OF THE WATER CLOSET SHALL BE 16" MINIMUM TO 18" MAXIMUM FROM THE SIDE WALL OR PARTITION, EXCEPT THAT THE WATER CLOSET SHALL BE 17" MINIMUM AND 19" MAXIMUM FROM THE SIDE WALL OR PARTITION IN THE AMBULATORY ACCESSIBLE TOILET COMPARTMENT SPECIFIED IN 604.8.2. WATER CLOSETS SHALL BE ARRANGED FOR A LEFT-HAND OR RIGHT-HAND APPROACH.

SECTION 604.3.1 - SIZE
- A. CLEARANCE AROUND A WATER CLOSET SHALL BE 60" MINIMUM MEASURED PERPENDICULAR FROM THE SIDE WALL AND 56" MINIMUM MEASURED PERPENDICULAR FROM THE REAR WALL.

SECTION 604.4 - SEATS
- A. THE SEAT HEIGHT OF A WATER CLOSET ABOVE THE FINISH FLOOR SHALL BE 17" MINIMUM AND 19" MAXIMUM MEASURED TO THE TOP OF THE SEAT. SEATS SHALL NOT BE SPRUNG TO RETURN TO A LIFTED POSITION.

SECTION 604.5 - GRAB BARS
- A. THE SIDE WALL GRAB BAR SHALL BE 42" LONG MINIMUM, LOCATED 12" MAXIMUM FROM THE REAR WALL AND EXTENDING 54" MINIMUM FROM THE REAR WALL.
- B. THE REAR WALL GRAB BAR SHALL BE 36" LONG MINIMUM AND EXTEND FOM THE CENTERLINE OF THE WATER CLOSET 12" MINIMUM ON ONE SIDE AND 24" MINIMUM ON THE OTHER SIDE.
- C. THE REAR GRAB BAR SHALL BE PERMITTED TO BE 2" LONG MINIMUM, CENTERED ON THE WATER CLOSET, WHERE WALL SPACE DOES NOT PERMIT A LENGTH OF 36" MINIMUM DUE TO THE LOCATION OF A RECESSED FIXTURE ADJACENT TO THE WATER CLOSET.

SECTION 604.7 - DISPENSERS
- A. TOILET PAPER DISPENSERS SHALL BE 7" MINIMUM AND 9" MAXIMUM IN FRONT OF THE WATER CLOSET MEASURED TO THE CENTERLINE OF THE DISPENSER. THE OUTLET OF THE DISPENSER SHALL BE 15" MINIMUM AND 48" MAXIMUM ABOVE THE FINISH FLOOR AND SHALL NOT BE LOCATED BEHIND GRAB BARS.

SECTION 604.8.1.2 - DOORS
- A. TOILET COMPARTMENT DOORS, INCLUDING DOOR HARDWARE, SHALL COMPLY WITH 404 EXCEPT THAT IF THE APPROACH IS TO THE LATCH SIDE OF THE COMPARTMENT DOOR, CLEAR