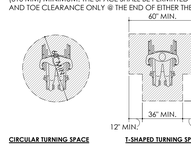
2009 ANSI ACCESSIBLE BUILDING STANDARDS

FLOOR & GROUND SURFACES

1. FLOOR AND GROUND SURFACES SHALL BE STABLE, FIRM, AND SLIP RESISTANT
2. CARPET OR CARPET TILE SHALL BE SECURELY ATTACHED AND SHALL HAVE A FIRM CUSHION, PAD, OR BACKING OR NO CUSHION OR PAD. CARPET OR CARPET TILE SHALL HAVE A LEVEL LOOP, TEXTURED LOOP, LEVEL CUT PILE, OR LEVEL CUT/UNCUT PILE TEXTURE. PILE HEIGHT SHALL BE ½ INCH (13 MM) MAXIMUM. EXPOSED EDGES OF CARPET SHALL BE FASTENED TO FLOOR SURFACES AND SHALL HAVE TRIM ON THE ENTIRE LENGTH OF THE EXPOSED EDGE.
3. OPENINGS IN FLOOR OR GROUND SURFACES SHALL NOT ALLOW PASSAGE OF A SPHERE MORE THAN ½ INCH (13 MM) DIAMETER. ELONGATED OPENINGS SHALL BE PLACED SO THAT THE LONG DIMENSION IS PERPENDICULAR TO THE DOMINANT DIRECTION OF TRAVEL.
4. CHANGES IN LEVEL OF ¼ INCH (6.4 MM) HIGH MAXIMUM SHALL BE PERMITTED TO BE VERTICAL.
5. CHANGES IN LEVEL BETWEEN ¼ INCH (6.4 MM) HIGH MINIMUM AND ½ INCH (13 MM) HIGH MAXIMUM SHALL BE BEVELED WITH A SLOPE NOT STEEPER THAN 1:2
6. FLOOR SURFACES OF A TURNING SPACE SHALL HAVE A SLOPE NOT STEEPER THAN 1:48
7. CIRCULAR TURNING SPACE : TURNING SPACE SHALL BE A SPACE OF 60 INCHES (1525 MM) DIAMETER MINIMUM. THE SPACE SHALL BE PERMITTED TO INCLUDE KNEE AND TOE CLEARANCE

   T-SHAPED TURNING SPACE : THE TURNING SPACE SHALL BE A T-SHAPED SPACE WITHIN A 60 INCH (1525 MM) SQUARE MINIMUM WITH ARMS AND BASE 36 INCHES (915 MM) WIDE MINIMUM. EACH ARM OF THE T SHALL BE CLEAR OF OBSTRUCTIONS 12 INCHES (305 MM) MINIMUM IN EACH DIRECTION AND THE BASE SHALL BE CLEAR OF OBSTRUCTIONS 24 INCHES (610 MM) MINIMUM. THE SPACE SHALL BE PERMITTED TO INCLUDE KNEE AND TOE CLEARANCE ONLY IF THE END OF EITHER THE BASE OR ONE ARM,

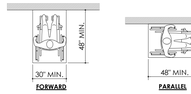


CIRCULAR TURNING SPACE T-SHAPED TURNING SPACE

8. UNLESS OTHERWISE SPECIFIED, DOORS SHALL BE PERMITTED TO SWING INTO TURNING SPACES.
9. UNLESS OTHERWISE SPECIFIED, CLEAR FLOOR SPACES, CLEARANCES AT FIXTURES, MANEUVERING CLEARANCES AT DOORS, AND TURNING SPACES SHALL BE PERMITTED TO OVERLAP

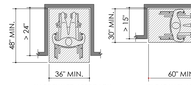
CLEAR FLOOR SPACE

1. FLOOR SURFACES OF A CLEAR FLOOR SPACE SHALL HAVE A SLOPE NOT STEEPER THAN 1:48.
2. THE CLEAR FLOOR SPACE SHALL BE 48 INCHES MINIMUM IN LENGTH & 30 INCHES MINIMUM IN WIDTH.



3. UNLESS OTHERWISE SPECIFIED, CLEAR FLOOR SPACE SHALL BE PERMITTED TO INCLUDE KNEE AND TOE CLEARANCE.
4. UNLESS OTHERWISE SPECIFIED, THE CLEAR FLOOR SPACE SHALL BE POSITIONED FOR EITHER FORWARD OR PARALLEL APPROACH TO AN ELEMENT.
5. ONE FULL, UNOBSTRUCTED SIDE OF THE CLEAR FLOOR SPACE SHALL ADJOIN OR OVERLAP AN ACCESSIBLE ROUTE OR ADJOIN ANOTHER CLEAR FLOOR SPACE.
6. IF A CLEAR SPACE IS IN AN ALCOVE OR OTHERWISE CONFINED ON ALL OR PART OF THREE SIDES, ADDITIONAL MANEUVERING CLEARANCES SHALL BE PROVIDED, AS APPLICABLE.
7. FORWARD APPROACH : WHERE THE CLEAR SPACE IS POSITIONED FOR A FORWARD APPROACH, THE ALCOVE SHALL BE 36 INCHES MINIMUM IN WIDTH WHERE THE DEPTH EXCEED 24 INCHES.

   PARALLEL : WHERE THE CLEAR SPACE IS POSITIONED FOR A PARALLEL APPROACH, THE ALCOVE SHALL BE 60 INCHES MINIMUM IN WIDTH WHERE THE DEPTH EXCEED 15 INCHES.



(A) FORWARD APPROACH (B) PARALLEL APPROACH

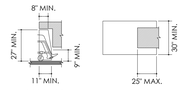
TOE CLEARANCE

1. SPACE UNDER AN ELEMENT BETWEEN THE FINISH FLOOR OR GROUND AND 9 INCHES (230 MM) ABOVE THE FINISH FLOOR OR GROUND SHALL BE CONSIDERED TOE CLEARANCE.
2. TOE CLEARANCE SHALL EXTEND 25 INCHES (635 MM) MAXIMUM UNDER AN ELEMENT.
3. WHERE TOE CLEARANCE IS REQUIRED AT AN ELEMENT AS PART OF A CLEAR FLOOR SPACE, THE TOE CLEARANCE SHALL EXTEND 17 INCHES (430 MM) MINIMUM UNDER THE ELEMENT.
4. SPACE EXTENDING GREATER THAN 6 INCHES (150 MM) BEYOND THE AVAILABLE KNEE CLEARANCE AT 9 INCHES (230 MM) ABOVE THE FINISH FLOOR OR GROUND SHALL NOT BE CONSIDERED TOE CLEARANCE.
5. TOE CLEARANCE SHALL BE 30 INCHES (760 MM) WIDE MINIMUM.

(A) ELEVATION (B) PLAN

KNEE CLEARANCE

1. SPACE UNDER AN ELEMENT BETWEEN 9 INCHES (230 MM) AND 27 INCHES (685 MM) ABOVE THE FINISH FLOOR OR GROUND SHALL BE CONSIDERED KNEE CLEARANCE
2. KNEE CLEARANCE SHALL EXTEND 25 INCHES (635 MM) MAXIMUM UNDER AN ELEMENT AT 9 INCHES (230 MM) ABOVE THE FINISH FLOOR OR GROUND.
3. WHERE KNEE CLEARANCE IS REQUIRED UNDER AN ELEMENT AS PART OF A CLEAR FLOOR SPACE, THE KNEE CLEARANCE SHALL BE 11 INCHES (280 MM) DEEP MINIMUM AT 9 INCHES (230 MM) ABOVE THE FINISH FLOOR OR GROUND, AND 8 INCHES (205 MM) DEEP MINIMUM AT 27 INCHES (685 MM) ABOVE THE FINISH FLOOR OR GROUND.
4. BETWEEN 9 INCHES (230 MM) AND 27 INCHES (685 MM) ABOVE THE FINISH FLOOR OR GROUND, THE KNEE CLEARANCE SHALL BE PERMITTED TO REDUCE AT A RATE OF 1 INCH (25 MM) IN DEPTH FOR EACH 6 INCHES (150 MM) IN HEIGHT.
5. KNEE CLEARANCE SHALL BE 30 INCHES (760 MM) WIDE MINIMUM.

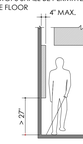


(A) ELEVATION (B) PLAN

PROTRUDING OBJECTS

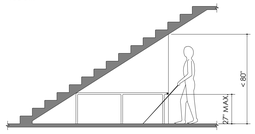
1. OBJECTS WITH LEADING EDGES MORE THAN 27 INCHES (685 MM) AND NOT MORE THAN 80 INCHES (2000 MM) ABOVE THE FINISH FLOOR OR GROUND SHALL PROTRUDE 4 INCHES (100 MM) MAXIMUM HORIZONTALLY INTO THE CIRCULATION PATH.

   EXCEPTIONS:
   1. HANDRAILS SHALL BE PERMITTED TO PROTRUDE 4½ INCHES MAXIMUM.
   2. DOOR CLOSERS & DOOR STOPS SHALL BE PERMITTED TO BE 78 INCHES MINIMUM ABOVE THE FLOOR



2009 ANSI ACCESSIBLE BUILDING STANDARDS

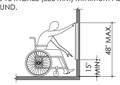
2. GUARDRAILS OR OTHER BARRIERS SHALL BE PROVIDED WHERE OBJECT CLEARANCE IS LESS THAN 80 INCHES ABOVE THE FLOOR. THE LEADING EDGE OF THE GUARDRAIL SHALL BE 27 INCHES MAXIMUM ABOVE THE FLOOR.



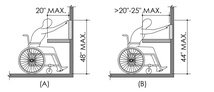
3. PROTRUDING OBJECT SHALL NOT REDUCE THE CLEAR WIDTH FOR ACCESSIBLE ROUTES.

REACH RANGES

1. WHERE A FORWARD REACH IS UNOBSTRUCTED, THE HIGH FORWARD REACH SHALL BE 48 INCHES (1220 MM) MAXIMUM AND THE LOW FORWARD REACH SHALL BE 15 INCHES (380 MM) MINIMUM ABOVE THE FINISH FLOOR OR GROUND.

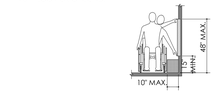


2. WHERE A HIGH FORWARD REACH IS OVER AN OBSTRUCTION, THE CLEAR FLOOR SPACE SHALL EXTEND BENEATH THE ELEMENT FOR A DISTANCE NOT LESS THAN THE REQUIRED REACH DEPTH OVER THE OBSTRUCTION. THE HIGH FORWARD REACH SHALL BE 48 INCHES (1220 MM) MAXIMUM WHERE THE REACH DEPTH IS 20 INCHES (510 MM) MAXIMUM. WHERE THE REACH DEPTH EXCEEDS 20 INCHES (510 MM), THE HIGH FORWARD REACH SHALL BE 44 INCHES (1120 MM) MAXIMUM AND THE REACH DEPTH SHALL BE 25 INCHES (635 MM) MAXIMUM. 308.3 SIDE

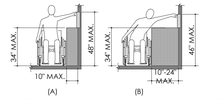


(A) (B)

3. WHERE A CLEAR FLOOR OR GROUND SPACE ALLOWS A PARALLEL APPROACH TO AN ELEMENT AND THE SIDE REACH IS UNOBSTRUCTED, THE HIGH SIDE REACH SHALL BE 48 INCHES (1220 MM) MAXIMUM AND THE LOW SIDE REACH SHALL BE 15 INCHES (380 MM) MINIMUM ABOVE THE FINISH FLOOR OR GROUND.



4. WHERE A CLEAR FLOOR OR GROUND SPACE ALLOWS A PARALLEL APPROACH TO AN ELEMENT AND THE HIGH SIDE REACH IS OVER AN OBSTRUCTION, THE HEIGHT OF THE OBSTRUCTION SHALL BE 34 INCHES (865 MM) MAXIMUM AND THE DEPTH OF THE OBSTRUCTION SHALL BE 24 INCHES (610 MM) MAXIMUM. THE HIGH SIDE REACH SHALL BE 48 INCHES (1220 MM) MAXIMUM FOR A REACH DEPTH OF 10 INCHES (255 MM) MAXIMUM. WHERE THE REACH DEPTH EXCEEDS 10 INCHES (255 MM), THE HIGH SIDE REACH SHALL BE 46 INCHES (1170 MM) MAXIMUM FOR A REACH DEPTH OF 24 INCHES (610 MM) MAXIMUM.
   EXCEPTION: EXISTING ELEMENTS UNALTERED SHALL BE PERMITTED AT 54 INCHES MAXIMUM ABOVE THE FLOOR



(A) (B)

EXCEPTION: WASHING AND DRYING MACHINES ARE ALLOWED 36" MAX.

OPERABLE PARTS

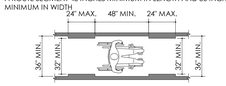
1. A CLEAR FLOOR SPACE SHALL BE PROVIDED
2. OPERABLE PARTS SHALL BE PLACED WITHIN ONE OR MORE OF THE REACH RANGES SPECIFIED (REACH RANGES LISTED ABOVE).
3. OPERABLE PARTS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE OPERABLE PARTS SHALL BE 5.0 LBS. MAXIMUM.

ACCESSIBLE ROUTES

1. THE RUNNING SLOPE OF WALKING SURFACES SHALL NOT BE STEEPER THAN 1:20. THE CROSS SLOPE OF WALKING SURFACES SHALL NOT BE STEEPER THAN 1:48.
2. THE CLEAR WIDTH OF WALKING SURFACES SHALL COMPLY W/ THE FOLLOWING TABLE:

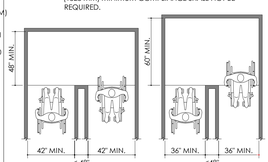
SEGMENT LENGTH	MINIMUM SEGMENT WIDTH
< OR = 24 INCHES	32 INCHES [1]
> 24 INCHES	36 INCHES

1. CONSECUTIVE SEGMENTS OF 32 INCHES IN WIDTH MUST BE SEPARATED BY A ROUTE SEGMENT 48 INCHES MINIMUM IN LENGTH AND 36 INCHES MINIMUM IN WIDTH



2. WHERE THE ACCESSIBLE ROUTE MAKES A 180 DEGREE TURN AROUND AN ELEMENT WHICH IS LESS THAN 48 INCHES (1220 MM) WIDE, CLEAR WIDTH SHALL BE 42 INCHES (1065 MM) MINIMUM APPROACHING THE TURN, 48 INCHES (1220 MM) MINIMUM AT THE TURN AND 42 INCHES (1065 MM) MINIMUM LEAVING THE TURN.

   EXCEPTION: WHERE THE CLEAR WIDTH AT THE TURN IS 60 INCHES (1525 MM) MINIMUM COMPLIANCE SHALL NOT BE REQUIRED.



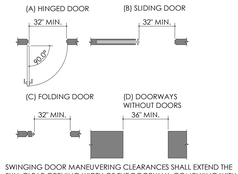
(A) 180 DEGREE TURN (B) 180 DEGREE TURN (EXCEPTION)

3. AN ACCESSIBLE ROUTE WITH A CLEAR WIDTH LESS THAN 60 INCHES (1525 MM) SHALL PROVIDE PASSING SPACES AT INTERVALS OF 200 FEET (61 M) MAXIMUM. PASSING SPACES SHALL BE EITHER: A SPACE 60 INCHES (1525 MM) MINIMUM BY 60 INCHES (1525 MM) MINIMUM; OR, AN INTERSECTION OF TWO WALKING SURFACES PROVIDING A T-SHAPED SPACE WHERE THE BASE AND ARMS OF THE T-SHAPED SPACE EXTEND 48 INCHES (1220 MM) MINIMUM BEYOND THE INTERSECTION.
4. DOOR OPENINGS SHALL PROVIDE A CLEAR WIDTH OF 32 INCHES (815 MM) MINIMUM. CLEAR OPENINGS OF DOORWAYS WITH SWINGING DOORS SHALL BE MEASURED BETWEEN THE FACE OF THE DOOR AND THE STOP, WITH THE DOOR OPEN 90 DEGREES. OPENINGS, DOORS & DOORWAYS MORE THAN 24 INCHES (610 MM) DEEP SHALL PROVIDE A CLEAR OPENING OF 36 INCHES (915 MM) MINIMUM. THERE SHALL BE NO PROJECTIONS INTO THE REQUIRED CLEAR OPENING WIDTH LOWER THAN 34 5 (865 MM) ABOVE THE FINISH FLOOR OR GROUND. PROJECTIONS INTO THE CLEAR OPENING WIDTH BETWEEN 34 INCHES (865 MM) AND 80 INCHES (2030 MM) ABOVE THE FINISH FLOOR OR GROUND SHALL NOT EXCEED 4 INCHES (100 MM).

   EXCEPTIONS:
   1. IN ALTERATIONS , A PROJECTION OF 5/8 INCH (16 MM) MAXIMUM INTO THE REQUIRED CLEAR WIDTH SHALL BE PERMITTED FOR THE LATCH SIDE STOP.
   2. DOOR CLOSERS AND DOOR STOPS SHALL BE PERMITTED TO BE 78 INCHES (1980 MM) MINIMUM ABOVE THE FINISH FLOOR OR GROUND.

2009 ANSI ACCESSIBLE BUILDING STANDARDS

ACCESSIBLE ROUTES (CONTINUED)

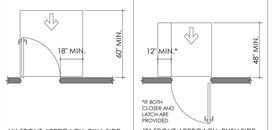


5. SWINGING DOOR MANEUVERING CLEARANCES SHALL EXTEND THE FULL CLEAR OPENING WIDTH OF THE DOORWAY. COMPLYING WITH THE FOLLOWING TABLE:

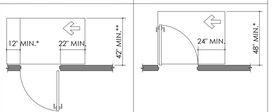
MANEUVERING CLEARANCES AT MANUAL SWINGING DOORS AND GATES

TYPE OF USE		MINIMUM MANEUVERING CLEARANCE	
APPROACH DIRECTION	DOOR OR GATE SIDE	PERPENDICULAR TO DOORWAY	PARALLEL TO DOORWAY (BEYOND STOP/LATCH SIDE UNLESS NOTED)
FROM FRONT	PULL	60"	18"
FROM FRONT	PUSH	48"	0" [3]
FROM HINGE SIDE	PULL	60"	36"
FROM HINGE SIDE	PUSH	54"	42"
FROM HINGE SIDE	PUSH	42" [1]	22" [3, 4]
FROM LATCH SIDE	PULL	48" [2]	24"
FROM LATCH SIDE	PUSH	42" [2]	24"

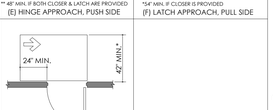
1. ADD 6" IF CLOSER & LATCH PROVIDED
2. ADD 6" IF CLOSER PROVIDED
3. ADD 12" BEYOND LATCH IF CLOSER & LATCH PROVIDED
4. BEYOND HINGE SIDE



(A) FRONT APPROACH, PULL SIDE (B) FRONT APPROACH, PUSH SIDE
(C) HINGE APPROACH, PULL SIDE (D) HINGE APPROACH, PUSH SIDE



(E) HINGE APPROACH, PUSH SIDE (F) LATCH APPROACH, PULL SIDE



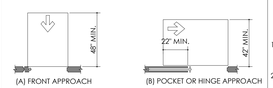
(G) LATCH APPROACH, PUSH SIDE

6. SLIDING DOORS & FOLDING DOORS SHALL HAVE MANEUVERING CLEARANCES, COMPLYING WITH THE FOLLOWING TABLE:

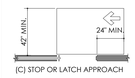
MANEUVERING CLEARANCES AT SLIDING & FOLDING DOORS

	MINIMUM MANEUVERING CLEARANCE	
APPROACH DIRECTION	PERPENDICULAR TO DOORWAY	PARALLEL TO DOORWAY (BEYOND STOP/LATCH SIDE UNLESS NOTED)
FROM FRONT	48"	0"
FROM NON-LATCH SIDE	42"	22" [1]
FROM LATCH SIDE	42"	24"

1. BEYOND POCKET OR HINGE SIDE



(A) FRONT APPROACH (B) POCKET OR HINGE APPROACH

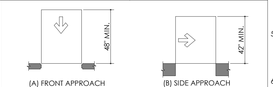


(C) STOP OR LATCH APPROACH

7. DOORWAYS WITHOUT DOORS THAT ARE LESS THAN 36 INCHES IN WIDTH SHALL HAVE MANEUVERING CLEARANCES, COMPLYING WITH THE FOLLOWING TABLE:

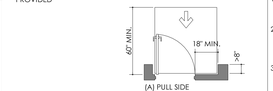
MANEUVERING CLEARANCES FOR DOORWAYS WITHOUT DOORS

APPROACH DIRECTION	MINIMUM MANEUVERING CLEARANCE PERPENDICULAR TO DOORWAY
FROM FRONT	48"
FROM SIDE	42"

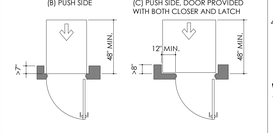


(A) FRONT APPROACH (B) SIDE APPROACH

8. WHERE ANY OBSTRUCTION WITHIN 18 INCHES OF THE LATCH SIDE OF A DOORWAY PROJECTS MORE THAN 8 INCHES BEYOND THE FACE OF THE DOOR, MEASURED PERPENDICULAR TO THE FACE OF THE DOOR, MANEUVERING CLEARANCES FOR A FORWARD APPROACH SHALL BE PROVIDED



(A) PULL SIDE



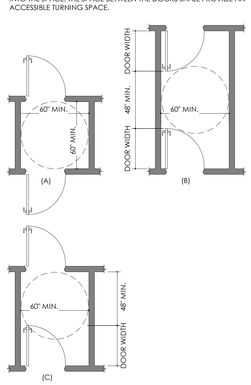
(B) PUSH SIDE (C) PUSH SIDE, DOOR PROVIDED WITH BOTH CLOSER AND LATCH

9. FLOOR SURFACE WITHIN THE MANEUVERING CLEARANCES SHALL HAVE A SLOPE NOT STEEPER THAN 1:48
10. IF PROVIDED, THRESHOLDS @ DOORWAYS SHALL BE 1/2" MAXIMUM IN HEIGHT. RAISED THRESHOLDS AND CHANGES IN LEVEL @ DOORWAYS SHALL COMPLY WITH FLOOR SURFACES AND CHANGE IN LEVEL REQUIREMENTS.
    EXCEPTION: EXISTING OR ALTERED THRESHOLDS 3/4" MAXIMUM IN HEIGHT THAT HAVE A BEVELED EDGE ON EACH SIDE W/ A MINIMUM SLOPE OF 1:2 FOR THE HEIGHT EXCEEDING 1/4".

2009 ANSI ACCESSIBLE BUILDING STANDARDS

ACCESSIBLE ROUTES (CONTINUED)

11. DISTANCE BETWEEN TWO HINGED OR PIVOTED DOORS IN SERIES SHALL BE 48 INCHES MINIMUM PLUS THE WIDTH OF ANY DOOR SWINGING INTO THE SPACE. THE SPACE BETWEEN THE DOORS SHALL PROVIDE AN ACCESSIBLE TURNING SPACE.



12. HANDLES, PULLS, LATCHES, LOCKS AND OTHER OPERABLE PARTS ON ACCESSIBLE DOORS SHALL HAVE A SHAPE THAT IS EASY TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST TO OPERATE. OPERABLE PARTS OF SUCH HARDWARE SHALL BE 34 INCHES MINIMUM AND 48 INCHES MAXIMUM ABOVE THE FLOORS. WHERE SLIDING DOORS ARE IN THE FULLY OPEN POSITION, OPERATING HARDWARE SHALL BE EXPOSED AND USABLE FROM BOTH SIDES.
    EXCEPTION:
    1. LOCKS USED ONLY FOR SECURITY PURPOSES AND NOT USED FOR NORMAL OPERATION ARE PERMITTED IN ANY LOCATION.
13. DOOR CLOSER'S AND GATE CLOSER'S 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.
14. DOOR AND GATE SPRING HINGES SHALL BE ADJUSTED SO THAT FROM THE OPEN POSITION OF 70 DEGREES, THE DOOR OR GATE SHALL MOVE TO THE CLOSED POSITION IN 1.5 SECONDS MINIMUM.
15. FIRE DOORS SHALL HAVE A MINIMUM OPENING FORCE ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY . THE FORCE FOR PUSHING OR PULLING OPEN A DOOR OR GATE OTHER THAN FIRE DOORS SHALL BE AS FOLLOWS:
    1. INTERIOR HINGED DOORS AND GATES: 5 POUNDS (22.2 N) MAXIMUM.
    2. SLIDING OR FOLDING DOORS: 5 POUNDS (22.2 N) MAXIMUM.

    THESE FORCES DO NOT APPLY TO THE FORCE REQUIRED TO RETRACT LATCH BOLTS OR DISENGAGE OTHER DEVICES THAT HOLD THE DOOR OR GATE IN A CLOSED POSITION.
16. SWINGING DOOR AND GATE SURFACES WITHIN 10 INCHES (255 MM) OF THE FINISH FLOOR OR GROUND MEASURED VERTICALLY SHALL HAVE A SMOOTH SURFACE ON THE PUSH SIDE EXTENDING THE FULL WIDTH OF THE DOOR. PARTS CREATING HORIZONTAL OR VERTICAL JOINTS IN THESE SURFACES SHALL BE WITHIN 1/16 INCH (1.6 MM) OF THE SAME PLANE AS THE OTHER. CAVITIES CREATED BY ADDED KICK PLATES SHALL BE CAPPED.
    EXCEPTIONS:
    1. SLIDING DOORS SHALL NOT BE REQUIRED TO COMPLY.
    2. TEMPERED GLASS DOORS WITHOUT STILES AND HAVING A BOTTOM RAIL OR SHOE WITH THE TOP LEADING EDGE TAPERED AT 60 DEGREES MINIMUM FROM THE HORIZONTAL SHALL NOT BE REQUIRED TO MEET THE 10 INCH (255 MM) BOTTOM RAIL HEIGHT REQUIREMENT.
    3. DOORS THAT DO NOT EXTEND TO WITHIN 10 INCHES (255 MM) OF THE FLOOR SHALL NOT BE REQUIRED TO COMPLY.
17. DOORS AND SIDE LIGHTS ADJACENT TO DOORS, CONTAINING ONE OR MORE GLAZING PANELS THAT PERMIT VIEWING THROUGH THE PANELS SHALL HAVE THE BOTTOM OF AT LEAST ONE PANEL, ON EITHER THE DOOR OR AN ADJACENT SIDELIGHT, 43 INCHES (1090 MM) MAXIMUM ABOVE THE FLOOR.
    EXCEPTION: VISION LIGHTS WITH THE LOWEST PART MORE THAN 66 INCHES (1675 MM) FROM THE FINISH FLOOR OR GROUND SHALL NOT BE REQUIRED TO COMPLY
18. FULL-POWERED AUTOMATIC DOORS SHALL COMPLY WITH ANSI/BHMA A156.10.
    LOW-ENERGY AND POWER-ASSISTED DOORS SHALL COMPLY WITH ANSI/BHMA A156.19 (1997 OR 2002 EDITION).
19. DOORWAYS SHALL PROVIDE A CLEAR OPENING OF 32 INCHES (815 MM) MINIMUM IN POWER-ON AND POWER-OFF MODE. THE MINIMUM CLEAR OPENING WIDTH FOR AUTOMATIC DOOR SYSTEMS SHALL BE BASED ON THE CLEAR OPENING PROVIDED WITH ALL LEAVES IN THE OPEN POSITION.

BUILT-IN FURNISHINGS AND EQUIPMENT

BUILT-IN FURNISHINGS AND EQUIPMENT REQUIRED TO BE ACCESSIBLE BY THE SCOOPING PROVISIONS ADOPTED BY THE ADMINISTRATIVE AUTHORITY SHALL COMPLY WITH THE APPLICABLE PROVISIONS AS FOLLOWS.

-DINING SURFACES AND WORK SURFACES

1. A CLEAR FLOOR SPACE, POSITIONED FOR A FORWARD APPROACH, SHALL BE PROVIDED. KNEE AND TOE CLEARANCE SHALL BE PROVIDED.
2. THE TOPS OF DINING SURFACES AND WORK SURFACES SHALL BE 28 INCHES (710 MM) MINIMUM AND 34 INCHES (865 MM) MAXIMUM IN HEIGHT ABOVE THE FLOOR.

-BENCHES (BOOTHS)

A CLEAR FLOOR SPACE, POSITIONED FOR PARALLEL APPROACH TO AN END OF THE BENCH SEAT, SHALL BE PROVIDED.

1. BENCHES SHALL HAVE SEATS 42 INCHES (1065 MM) MINIMUM IN LENGTH, AND 20 INCHES (510 MM) MINIMUM AND 24 INCHES (610 MM) MAXIMUM IN DEPTH.

THE BENCH SHALL PROVIDE FOR BACK SUPPORT OR SHALL BE AFFIXED TO A WALL. BACK SUPPORT SHALL BE 42 INCHES (1065 MM) MINIMUM IN

2. LENGTH AND SHALL EXTEND FROM A POINT 2 INCHES (51 MM) MAXIMUM ABOVE THE SEAT SURFACE TO A POINT 18 INCHES (455 MM) MINIMUM ABOVE THE SEAT SURFACE. BACK SUPPORT SHALL BE 21/2 INCHES (64 MM) MAXIMUM FROM THE REAR EDGE OF THE SEAT MEASURED HORIZONTALLY.

THE TOP OF THE BENCH SEAT SHALL BE 17 INCHES (430 MM) MINIMUM AND 19 INCHES (485 MM) MAXIMUM ABOVE THE FLOOR. MEASURED TO

3. THE TOP OF THE SEAT.

ALLOWABLE STRESSES SHALL NOT BE EXCEEDED FOR MATERIALS USED WHERE A VERTICAL OR HORIZONTAL FORCE OF 250 POUNDS (1112 N) IS

4. APPLIED AT ANY POINT ON THE SEAT, FASTENER MOUNTING DEVICE, OR

5. SUPPORTING STRUCTURE.

WHERE PROVIDED IN WET LOCATIONS THE SURFACE OF THE SEAT SHALL BE

6. SLIP RESISTANT AND SHALL NOT ACCUMULATE WATER.

-SALES AND SERVICE COUNTERS

1. ALL PORTIONS OF COUNTERS REQUIRED TO BE ACCESSIBLE SHALL BE LOCATED ADJACENT TO AN ACCESSIBLE WALKING SURFACE.

THE ACCESSIBLE PORTION OF THE COUNTERTOP SHALL EXTEND THE SAME

2. DEPTH AS THE SALES AND SERVICE COUNTERTOP AND MEET ONE OF THE FOLLOWING:

A PORTION OF THE COUNTER SURFACE 36 INCHES (915 MM) MINIMUM IN

3. LENGTH AND 36 INCHES (915 MM) MAXIMUM IN HEIGHT ABOVE THE FLOOR SHALL BE PROVIDED. WHERE THE COUNTER SURFACE IS LESS THAN 36 INCHES (915 MM) IN LENGTH, THE ENTIRE COUNTER SURFACE SHALL BE 36 INCHES (915 MM) MAXIMUM IN HEIGHT ABOVE THE FLOOR. A CLEAR

4. FLOOR SPACE (30" X 42") POSITIONED FOR A PARALLEL APPROACH ADJACENT TO THE ACCESSIBLE COUNTER, SHALL BE PROVIDED.

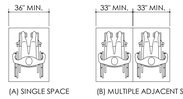
A PORTION OF THE COUNTER SURFACE 30 INCHES (760 MM) MINIMUM IN LENGTH AND 36 INCHES (915 MM) MAXIMUM IN HEIGHT ABOVE THE

5. FLOOR SHALL BE PROVIDED. A CLEAR FLOOR SPACE (30" X 42", POSITIONED FOR A FORWARD APPROACH TO THE ACCESSIBLE COUNTER, SHALL BE PROVIDED. KNEE AND TOE CLEARANCE SHALL BE PROVIDED

6. UNDER THE ACCESSIBLE COUNTER.

WHEELCHAIR SPACES

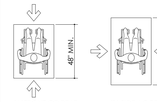
1. WIDTH: A SINGLE WHEELCHAIR SPACE SHALL BE 36 INCHES (915 MM) WIDE MINIMUM WHERE TWO ADJACENT WHEELCHAIR SPACES ARE PROVIDED. EACH WHEELCHAIR SPACE SHALL BE 33 INCHES (840 MM) MINIMUM IN WIDTH.



(A) SINGLE SPACE (B) MULTIPLE ADJACENT SPACES

2009 ANSI ACCESSIBLE BUILDING STANDARDS

2. DEPTH: WHERE A WHEELCHAIR SPACE CAN BE ENTERED FROM THE FRONT OR REAR, THE WHEELCHAIR SPACE SHALL BE 48 INCHES (1220 MM) MINIMUM IN DEPTH. WHERE A WHEELCHAIR SPACE CAN BE ENTERED ONLY FROM THE SIDE, THE WHEELCHAIR SPACE SHALL BE 60 INCHES (1525 MM) MINIMUM IN DEPTH.



(A)FRONT OR REAR ACCESS (B) SIDE ACCESS

3. THE WHEELCHAIR SPACE LOCATION SHALL ADJOIN AN ACCESSIBLE ROUTE. THE ACCESSIBLE ROUTE SHALL NOT OVERLAP THE WHEELCHAIR SPACE LOCATION.
4. A COMPANION SEAT SHALL BE PROVIDED BESIDE EACH WHEELCHAIR SPACE

SYMBOLS

1. GLOBAL SYMBOL OF ACCESSIBILITY
2. INTERNATIONAL SYMBOL OF TTY
3. VOLUME CONTROL TELEPHONES
4. ASSISTIVE LISTENING SYSTEMS