

**TAS SECTION 4.2 - SPACE ALLOWANCES AND REACH RANGES**

**TAS SECTION 4.2.1 - WHEELCHAIR PASSAGE WIDTH**

- A. THE MINIMUM CLEAR WIDTH FOR SINGLE WHEELCHAIR PASSAGE SHALL BE 32" AT A POINT AND 36" CONTINUOUSLY.

**TAS SECTION 4.2.2 - WIDTH FOR WHEELCHAIR PASSING**

- A. THE MINIMUM CLEAR WIDTH FOR TWO WHEELCHAIRS TO PASS IS 60".

**TAS SECTION 4.2.4.1 - SIZE AND APPROACH**

- A. MINIMUM CLEAR FLOOR SPACE FOR A WHEELCHAIR AND OCCUPANT SHALL BE 30" WIDE x 60" LONG. CLEAR FLOOR SPACE SHALL BE CENTERED ON THE ELEMENT IT SERVES.

**TAS SECTION 4.2 - ACCESSIBLE ROUTE**

**TAS SECTION 4.3.2 - LOCATION**

- A. AT LEAST ONE ACCESSIBLE ROUTE SHALL BE PROVIDED FROM PUBLIC TRANSPORTATION STOPS, ACCESSIBLE PARKING AND LOADING ZONES, AND PUBLIC STREETS OR SIDEWALKS TO THE ACCESSIBLE BUILDING ENTRANCE.

**TAS SECTION 4.3.3 - WIDTH**

- A. THE MINIMUM CLEAR WIDTH OF AN ACCESSIBLE ROUTE SHALL BE 36" EXCEPT AT DOORS.

**TAS SECTION 4.3.4 - PASSING SPACE**

- A. IF AN ACCESSIBLE ROUTE IS LESS THAN 60" IN WIDTH, THEN PASSING SPACES OF AT LEAST 60"x60" SHALL BE PROVIDED AT 200' MAX. SPACING.

**TAS SECTION 4.3.5 - HEAD ROOM**

- A. ACCESSIBLE ROUTES SHALL HAVE 80" MIN. CLEAR HEAD ROOM.

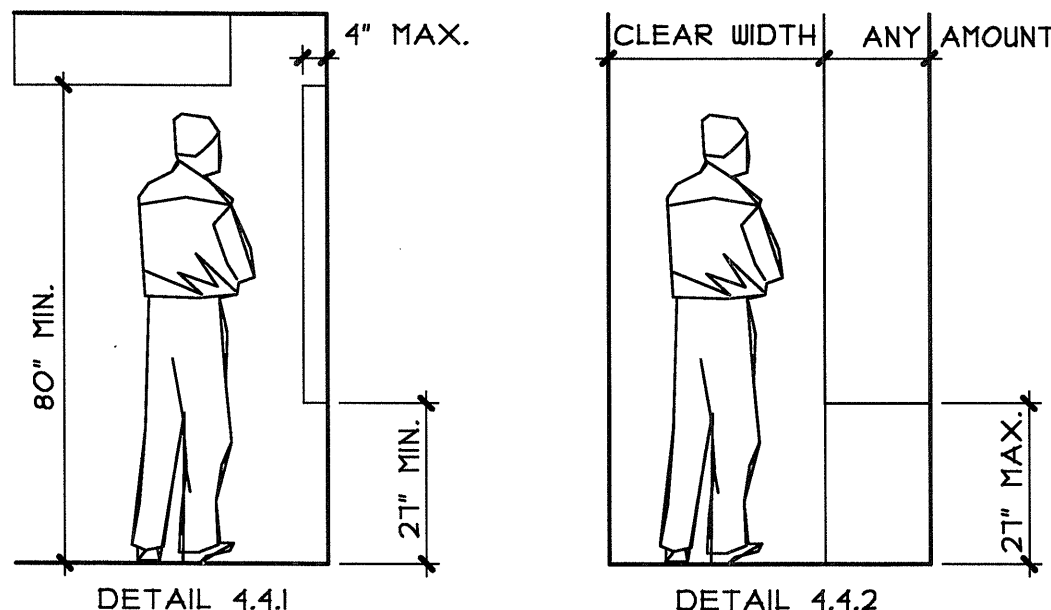
**TAS SECTION 4.3.1 - SLOPE**

- A. RUNNING SLOPE SHALL NOT EXCEED 1:20. (IF SLOPE EXCEEDS 1:20, REFER TO SECTION 4.8.)
- B. CROSS SLOPE SHALL NOT EXCEED 1:50.

**TAS SECTION 4.4 - PROTRUDING OBJECTS (REFERENCE DETAIL 4.4.1 & 4.4.2)**

**TAS SECTION 4.4.1 - GENERAL**

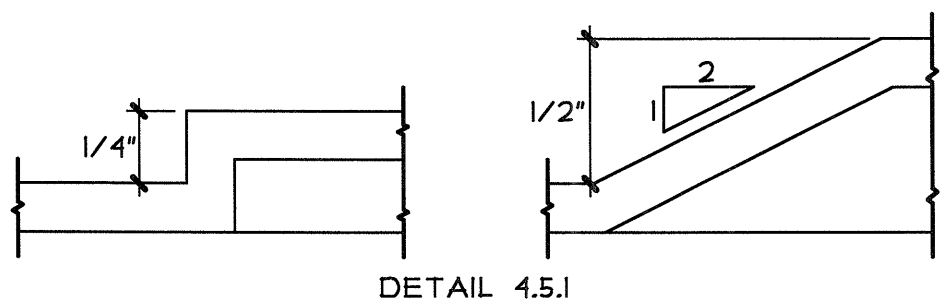
- A. OBJECTS PROJECTING FROM WALLS (FOR EXAMPLE, TELEPHONES) WITH THEIR LEADING EDGES BETWEEN 27"-80" ABOVE THE FINISHED FLOOR SHALL PROTRUDE NO MORE THAN 4" INTO WALKS, HALLS, CORRIDORS, PASSAGEWAYS, OR AISLES. OBJECTS MOUNTED WITH THEIR LEADING EDGES AT OR BELOW 27" ABOVE THE FINISHED FLOOR MAY PROTRUDE ANY AMOUNT. FREE-STANDING OBJECTS MOUNTED ON POSTS OR PYLONS MAY OVERHANG 12" MAXIMUM FROM 27"-80" ABOVE THE GROUND OR FINISHED FLOOR. PROTRUDING OBJECTS SHALL NOT REDUCE THE CLEAR WIDTH OF AN ACCESSIBLE ROUTE OR MANEUVERING SPACE.



**TAS SECTION 4.5 - GROUND AND FLOOR SURFACES**

**TAS SECTION 4.5.2 - CHANGES IN LEVEL (REFERENCE DETAIL 4.5.1)**

- A. CHANGES IN LEVEL UP TO 1/4" MAY BE VERTICAL AND WITHOUT TREATMENT.
- B. CHANGES IN LEVEL BETWEEN 1/4" AND 1/2" SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1:2.
- C. CHANGES IN LEVEL GREATER THAN 1/2" SHALL BE ACCOMPLISHED BY A RAMP THAT COMPLIES WITH 4.7 OR 4.8.



**TAS SECTION 4.5.3 - CARPET**

- A. CARPET PROVIDED ON A FLOOR SURFACE SHALL BE SECURELY ATTACHED; HAVE A FIRM PAD OR BACKING, OR NO PAD; AND HAVE A LEVEL LOOP, TEXTURED LOOP, LEVEL CUT PILE, OR LEVEL CUT/UNLIT PILE. MAXIMUM PILE THICKNESS SHALL BE 1/2" EXPOSED EDGES OF CARPET SHALL BE FASTENED TO FLOOR SURFACES AND HAVE TRIM ALONG THE EXPOSED EDGES.

**TAS SECTION 4.5.4 - GRATINGS**

- A. IF GRATINGS ARE LOCATED IN WALKING SURFACES OR ALONG ACCESSIBLE ROUTES, THEN THEY SHALL HAVE SPACES NO GREATER THAN 1/2" WIDE IN ONE DIRECTION.
- B. IF GRATINGS HAVE ELONGATED OPENINGS, THEN THEY SHALL BE PLACED SO THAT THE LONG DIMENSION IS PERPENDICULAR TO THE DOMINANT DIRECTION OF TRAVEL.

**TAS SECTION 4.6 - PARKING AND PASSENGER LOADING ZONES**

**TAS SECTION 4.6.3 - PARKING SPACES**

- A. ACCESSIBLE PARKING SHALL BE AT LEAST 96" WIDE.
- B. PARKING ACCESS AISLES SHALL BE 60" WIDE. VAN ACCESSIBLE AISLES SHALL BE 74" WIDE.
- C. SURFACE SLOPE SHALL NOT EXCEED 1:50 IN ALL DIRECTIONS. (NOTE: NO BUILT-UP CURB RAMP MAY BE LOCATED IN AN ACCESSIBLE PARKING ACCESS AISLE.)

**TAS SECTION 4.6.4 - SIGNAGE**

- A. EACH ACCESSIBLE PARKING SPACE MUST HAVE AN INDIVIDUAL VERTICALLY MOUNTED OR SUSPENDED SIGN. REQUIRED VAN ACCESSIBLE SPACES MUST BE DESIGNATED.
- B. CHARACTERS AND SYMBOLS ON SUCH SIGNS SHALL BE LOCATED 60" MINIMUM ABOVE THE GROUND.
- C. SIGNAGE LOCATED WITHIN AN ACCESSIBLE ROUTE SHALL BE LOCATED 80" MIN. ABOVE THE WALKING SURFACE.

**TAS SECTION 4.6.5 - VERTICAL CLEARANCE**

- A. PROVIDE MIN. VERTICAL CLEARANCE OF 11' AT ACCESSIBLE PASSENGER LOADING ZONES AND ALONG AT LEAST ONE VEHICLE ACCESS ROUTE FROM SITE ENTRANCES AND EXITS.

**TAS SECTION 4.6.6 - PASSENGER LOADING ZONE**

- A. PASSENGER LOADING ZONES SHALL PROVIDE AN ACCESSIBLE ASLE 72" WIDE AT EACH ADJACENT AND PARALLEL TO THE VEHICLE PULL-UP SPACE. IF THERE ARE CURBS BETWEEN THE ACCESS AISLE AND THE VEHICLE PULL-UP SPACE, THESE CURBS SHALL BE PROVIDED. VEHICLE STANDING SPACES AND ACCESS AISLES SHALL BE LEVEL WITH SURFACE SLOPE NOT EXCEEDING 1:50 IN ALL DIRECTIONS.

**TAS SECTION 4.7 - CURB RAMPS**

**TAS SECTION 4.7.2 - SLOPE (REFERENCE DETAIL 4.7)**

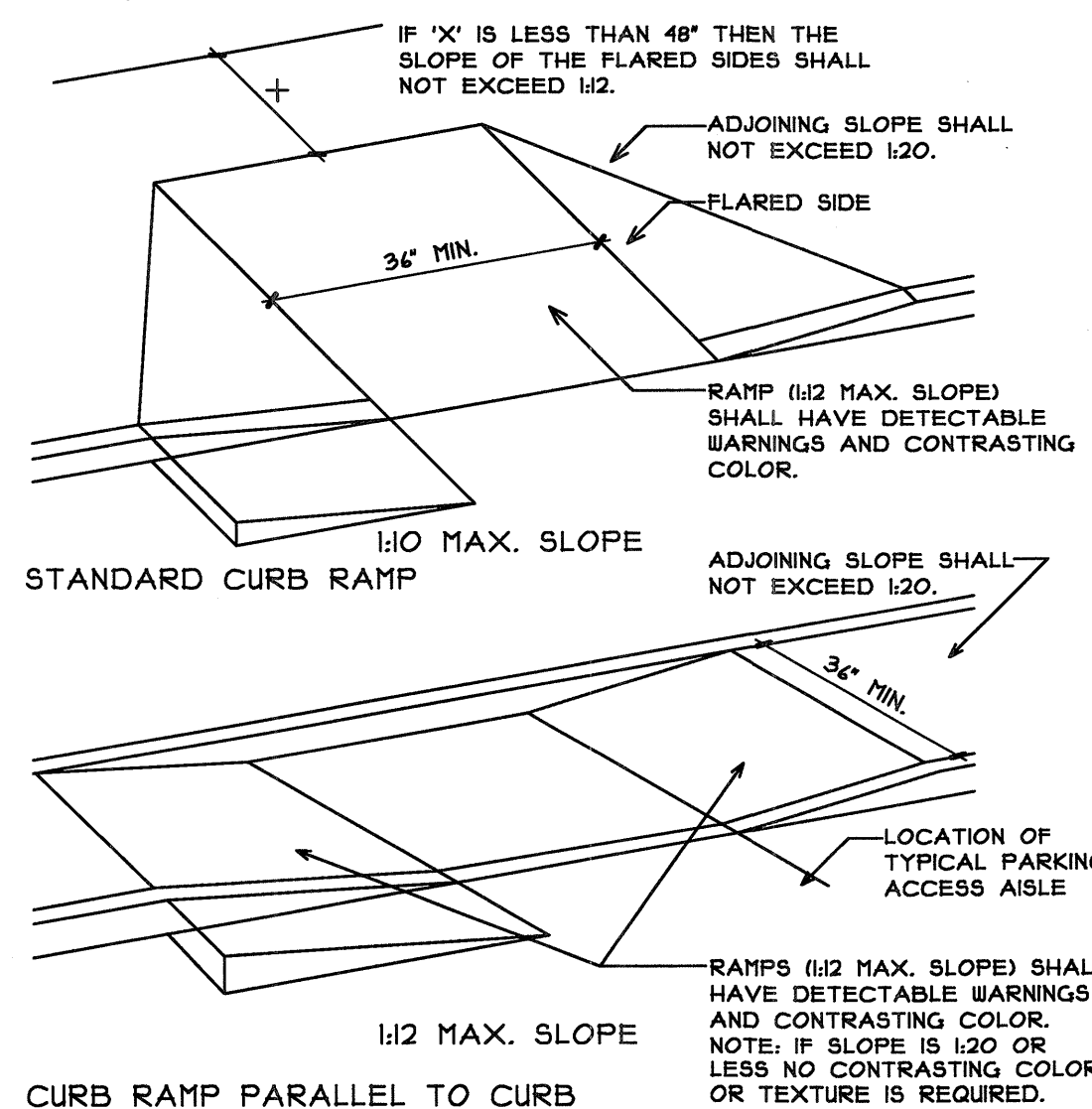
- A. SLOPES OF CURB RAMPS SHALL COMPLY WITH 4.8.2.
- B. MAXIMUM SLOPES OF ADJOINING GUTTERS, ROAD SURFACES IMMEDIATELY ADJACENT TO THE CURB RAMP, OR ACCESSIBLE ROUTES SHALL NOT EXCEED 1:20.

**TAS SECTION 4.7.3 - WIDTH (REFERENCE DETAIL 4.7)**

- A. THE MINIMUM WIDTH OF A CURB RAMP SHALL BE 36", EXCLUSIVE OF FLARED SIDES.

**TAS SECTION 4.7.5 - SIDES OF CURB RAMPS (REFERENCE DETAIL 4.7)**

- A. IF A CURB RAMP IS LOCATED WHERE PEDESTRIANS MUST WALK ACROSS THE RAMP OR WHERE IT IS NOT PROTECTED BY HANDRAILS OR GUARDRAILS, IT SHALL HAVE FLARED SIDES; THE MAXIMUM SLOPE OF THE FLARE SHALL BE 1:10.



**TAS SECTION 4.7.10 - DIAGONAL CURB RAMPS**

- A. IF DIAGONAL CURB RAMPS HAVE RETURNED CURBS OR OTHER WELL-DEFINED EDGES, SUCH EDGES SHALL BE PARALLEL TO THE DIRECTION OF PEDESTRIAN FLOW. THE BOTTOM OF DIAGONAL CURB RAMPS SHALL HAVE 48" MINIMUM CLEAR SPACE. IF DIAGONAL CURB RAMPS ARE PROVIDED AT MARKED CROSSINGS, THE 48" CLEAR SPACE SHALL BE WITHIN THE MARKINGS. IF DIAGONAL CURB RAMPS HAVE FLARED SIDES, THEY SHALL ALSO HAVE AT LEAST A 24" LONG SEGMENT OF STRAIGHT CURB LOCATED ON EACH SIDE OF THE CURB RAMP AND WITHIN THE MARKED CROSSING.

**TAS SECTION 4.7.11 - ISLANDS**

- A. ANY RAISED ISLANDS IN CROSSINGS SHALL BE CUT THROUGH LEVEL WITH THE STREET OR HAVE CURB RAMPS AT BOTH SIDES AND A LEVEL AREA AT LEAST 48" LONG BETWEEN THE CURB RAMPS IN THE PART OF THE ISLAND INTERSECTED BY THE CROSSINGS.

**TAS SECTION 4.8 - RAMPS**

**TAS SECTION 4.8.1 - GENERAL**

- A. ANY PART OF AN ACCESSIBLE ROUTE WITH A SLOPE GREATER THAN 1:20 SHALL BE CONSIDERED A RAMP AND SHALL COMPLY WITH 4.8.

**TAS SECTION 4.8.2 - SLOPE AND RISE**

- A. THE LEAST POSSIBLE SLOPE SHALL BE USED FOR ANY RAMP. THE MAXIMUM SLOPE OF A RAMP IN NEW CONSTRUCTION SHALL BE 1:12. THE MAXIMUM RISE FOR ANY RUN SHALL BE 30".

**TAS SECTION 4.8.3 - CLEAR WIDTH**

- A. THE MINIMUM CLEAR WIDTH OF A RAMP 30' OR LESS IN LENGTH SHALL BE 36". RAMPS MORE THAN 30' IN LENGTH SHALL HAVE A MINIMUM CLEAR WIDTH OF 44".

**TAS SECTION 4.8.4 - LANDINGS**

- A. RAMPS SHALL HAVE LEVEL LANDINGS AT TOP AND BOTTOM OF EACH RAMP AND EACH RAMP RUN. LANDINGS SHALL HAVE THE FOLLOWING FEATURES:
  1. MINIMUM WIDTH - EQUAL TO WIDTH OF RAMP.
  2. LENGTH - MINIMUM 60" CLEAR.
  3. AT CHANGE OF DIRECTION, LANDING SHALL BE 60"x60" MIN.

**TAS SECTION 4.8.5 - HANDRAILS**

- A. HANDRAILS ARE REQUIRED AT ALL RAMPS WITH 1/4" RISE.
- B. HEIGHT - 34"-38" ABOVE RAMP SURFACE.
- C. THE CLEAR SPACE BETWEEN THE HANDRAIL AND THE WALL SHALL BE 1 1/2".

**TAS SECTION 4.8.1 - EDGE PROTECTION**

- A. RAMPS AND LANDINGS WITH DROP OFFS SHALL HAVE CURBS, WALLS, RAILINGS, OR PROJECTING SURFACES THAT PREVENT SLIPPING OFF THE RAMP. CURBS SHALL BE A MINIMUM OF 2" HIGH.

**TAS SECTION 4.9 - STAIRS**

**TAS SECTION 4.9.2 - TREADS AND RISERS**

- A. ALL STEPS ON A FLIGHT OF STAIRS SHALL HAVE UNIFORM RISER HEIGHTS AND TREAD WIDTHS.
  1. MINIMUM TREAD DEPTH SHALL BE 11" MEASURED FROM THE FRONT RISER TO RISER (NOT INCLUDING NOSING).
  2. OPEN RISERS ARE NOT PERMITTED.

**TAS SECTION 4.9.4 - HANDRAILS**

- A. NON-CONTINUOUS HANDRAILS SHALL EXTEND 12" BEYOND THE TOP RISER AND 12" PLUS THE WIDTH OF ONE TREAD BEYOND THE BOTTOM RISER. AT THE TOP, THE EXTENSION SHALL BE PARALLEL TO THE FLOOR. AT THE BOTTOM, THE HANDRAIL SHALL CONTINUE TO SLOPE FOR A DISTANCE OF ONE TREAD WIDTH (11"). THE REMAINING EXTENSION SHALL BE HORIZONTAL.
- B. HEIGHT: 34"-38", MEASURED FROM THE STAIR NOSING.

**TAS SECTION 4.10 - ELEVATORS**

**TAS SECTION 4.10.3 - HALL CALL BUTTONS**

- A. CALL BUTTONS IN ELEVATOR LOBBIES AND HALLS SHALL BE CENTERED AT 42" ABOVE THE FLOOR.

**TAS SECTION 4.10.4 - HALL LANTERNS**

- A. VISIBLE AND AUDIBLE SIGNALS SHALL BE PROVIDED AT EACH HOISTWAY ENTRANCE TO INDICATE WHICH CAR IS ANSWERING THE CALL. VISIBLE SIGNALS SHALL HAVE THE FOLLOWING FEATURES:
  1. FIXTURES SHALL BE MOUNTED WITH CENTERLINE AT LEAST 12" ABOVE THE LOBBY FLOOR.
  2. VISUAL ELEMENTS SHALL BE AT LEAST 1 1/2" IN THE SMALLEST DIRECTION.

**TAS SECTION 4.10.5 - RAISED AND BRAILLE CHARACTERS ON HOISTWAY ENTRANCES**

- A. ALL ELEVATOR HOISTWAY ENTRANCES SHALL HAVE RAISED AND BRAILLE FLOOR DESIGNATIONS PROVIDED ON BOTH SIDES. THE CENTERLINE OF THE CHARACTERS SHALL BE 60" ABOVE THE FLOOR. CHARACTERS SHALL BE 2" HIGH.

**TAS SECTION 4.10.6 - DOOR PROTECTIVE AND 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 IF OBSTRUCTED BY AN OBJECT OR PERSON.

**TAS SECTION 4.10.12 - CAR CONTROLS**

- A. ELEVATOR CONTROL PANELS SHALL HAVE THE FOLLOWING FEATURES:
  1. ALL CONTROL BUTTONS SHALL BE AT LEAST 3/4" IN THEIR SMALLEST DIMENSION. THEY SHALL BE FLUSH OR RAISED.
  2. ALL CONTROL BUTTONS SHALL BE DESIGNATED BY BRAILLE AND BY RAISED STANDARD ALPHABET CHARACTERS FOR LETTERS. ARABIC CHARACTERS FOR NUMERALS. THE CONTROL BUTTON FOR THE MAIN ENTRY FLOOR SHALL BE DESIGNATED BY A RAISED STAR AT THE LEFT OF THE FLOOR DESIGNATION.
  3. MAXIMUM 54" ABOVE FLOOR WHERE SIDE APPROACH IS PROVIDED.
  4. MAXIMUM 48" ABOVE FLOOR WHERE FORWARD APPROACH IS PROVIDED.

**TAS SECTION 4.11 - PLATFORM LIFTS (WHEELCHAIR LIFTS)**

- NOTE: REQUIRES A VARIANCE FROM THE T.D.L.R. TO USE IN LIEU OF AN ELEVATOR.

**TAS SECTION 4.11.2 - OTHER REQUIREMENTS & TAS SECTION 4.2.1.3 - CONTROLS AND OPERATING SYSTEMS**

- A. HEIGHTS PERMITTED: CONTROLS AND OPERATING MECHANISMS SHALL BE LOCATED FOR EITHER A FORWARD OR SIDE APPROACH FROM ANY DIRECTION OF TRAVEL. THEY SHALL BE LOCATED 28" MINIMUM AND 48" MAXIMUM ABOVE THE FLOOR. THEY SHALL BE OPERABLE WITH ONE HAND. THERE SHALL BE AT LEAST ONE HANDY COMPLIING WITH 4.24 WHEELSTOPS AND GUARDRAILS SHALL BE PROVIDED WHERE NECESSARY.
- B. EMERGENCY CONTROLS:
  1. SHALL HAVE CENTERLINES 35" MINIMUM ABOVE FLOOR.
  2. SHALL BE GROUPED AT BOTTOM OF PANEL.
- C. THE EMERGENCY COMMUNICATION SYSTEM SHALL NOT REQUIRE VOICE COMMUNICATION.

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**TAS SECTION 4.13 - DOORS**

**TAS SECTION 4.13.4 - DOUBLE-LEAF DOORWAYS**

- A. DOORWAYS WITH TWO INDEPENDENTLY OPERATED LEAVES SHALL HAVE AT LEAST ONE ACTIVE LEAF THAT MEETS THE SPECIFICATIONS IN 4.13.5 AND 4.13.6.

**TAS SECTION 4.13.5 - CLEAR WIDTH**

- A. DOORWAYS SHALL PROVIDE A CLEAR OPENING OF 32" MINIMUM WITH THE DOOR OPEN 90°.

- 1. THE CLEAR OPENING SHALL BE MEASURED BETWEEN THE FACE OF THE DOOR AND OPPOSITE STOP.
- 2. OPENINGS MORE THAN 24" IN DEPTH SHALL PROVIDE A CLEAR OPENING OF 32" MINIMUM. EXCEPTION: DOORS NOT REQUIRING FULL USER PASSAGE, SUCH AS SHALLOW CLOSETS, MAY REDUCE THE CLEAR OPENING TO 20" MINIMUM.

**TAS SECTION 4.13.6 - 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. BESIDE STRIKE EDGE.
  - B. HINGE SIDE APPROACH PUSH SIDE - 48" MIN. WIDTH; 0" BESIDE STRIKE EDGE. (12" MIN. IF DOOR HAS BOTH A CLOSER AND A LATCH.)
  - C. LATCH SIDE APPROACH PULL SIDE - 48" MIN. WIDTH; 24" MIN. BESIDE STRIKE EDGE. (54" MIN. IF DOOR HAS A CLOSER.)
  - D. LATCH SIDE APPROACH PUSH SIDE - 42" MIN. WIDTH; 24" MIN. BESIDE STRIKE EDGE. (48" MIN. WIDTH IF DOOR HAS A CLOSER.)

**TAS SECTION 4.13.8 - THRESHOLDS AT DOORWAYS**

- A. MAXIMUM THRESHOLD HEIGHT: 1/2" (3/4" AT EXTERIOR SLIDING DOORS). RAISED THRESHOLDS AND FLOOR LEVEL CHANGES SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1:2.

**TAS SECTION 4.13.9 - DOOR HARDWARE**

- A. HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERATING DEVICES SHALL HAVE SHAPES THAT IS EASY TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST TO OPERATE.
  1. LEVER-OPERATED MECHANISMS, PUSH-TYPE MECHANISMS, AND U-SHAPED HANDLES ARE ACCEPTABLE DESIGNS.
  2. WHEN SLIDING DOORS ARE FULLY OPEN, OPERATING HARDWARE SHALL BE EXPOSED AND USABLE FROM BOTH SIDES.
  3. HARDWARE REQUIRED FOR ACCESSIBLE DOOR PASSAGE SHALL BE NO HIGHER THAN 48" ABOVE FINISH FLOOR.

**TAS SECTION 4.13.10 - DOOR CLOSERS**

- A. IF A DOOR HAS A CLOSER, THEN THE SWEEP PERIOD OF THE CLOSER SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION TO THE CLOSED POSITION IT WILL TAKE AT MOST 3 SECONDS TO MOVE TO A POINT 3" FROM THE LATCH, MEASURED TO THE LEADING EDGE OF THE DOOR.

**TAS SECTION 4.13.11 - DOOR OPENING FORCE**

- A. THE MAXIMUM FORCE FOR PUSHING OR PULLING OPEN A DOOR SHALL BE AS FOLLOWS:
  1. FIRE DOORS SHALL HAVE THE MINIMUM OPENING FORCE ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY.
  2. OTHER DOORS
    - a. EXTERIOR HINGED DOORS: NO REQUIREMENT
    - b. INTERIOR HINGED DOORS: 5.0 LBF.
    - c. SLIDING OR FOLDING DOORS: 5.0 LBF.
 NOTE: THESE FORCES DO NOT APPLY TO THE FORCE REQUIRED TO RETRACT LATCH BOLTS OR DISENGAGE OTHER DEVICES THAT MAY HOLD THE DOOR IN A CLOSED POSITION.

**TAS SECTION 4.15 - DRINKING FOUNTAINS**

**TAS SECTION 4.15.2 - SPOUT HEIGHT (REFERENCE DETAIL 4.15)**

- A. ACCESSIBLE SPOUTS SHALL BE NO HIGHER THAN 36", MEASURED FROM THE FLOOR OR GROUND SURFACE TO THE SPOUT OUTLET.
- B. IN ADDITION TO ACCESSIBLE UNIT, AT LEAST ONE DRINKING FOUNTAIN SHALL BE STANDARD HEIGHT (MAY BE "HIGH/LOW" TYPE IF LOCATED IN ONE LOCATION).

**TAS SECTION 4.15.3 - SPOUT LOCATION**

- A. SPOUTS SHALL BE LOCATED AT THE FRONT OF THE UNIT AND SHALL DIRECT THE WATER FLOW IN A TRAJECTORY THAT IS PARALLEL OR NEARLY PARALLEL TO THE FRONT OF THE UNIT.
  1. THE SPOUT SHALL PROVIDE A FLOW OF WATER AT LEAST 4" HIGH.
  2. IF THE FOUNTAIN HAS A ROUND OR OVAL BOWL, THE SPOUT MUST BE POSITIONED SO THE FLOW OF WATER IS WITHIN 3" OF THE FRONT EDGE OF THE FOUNTAIN.

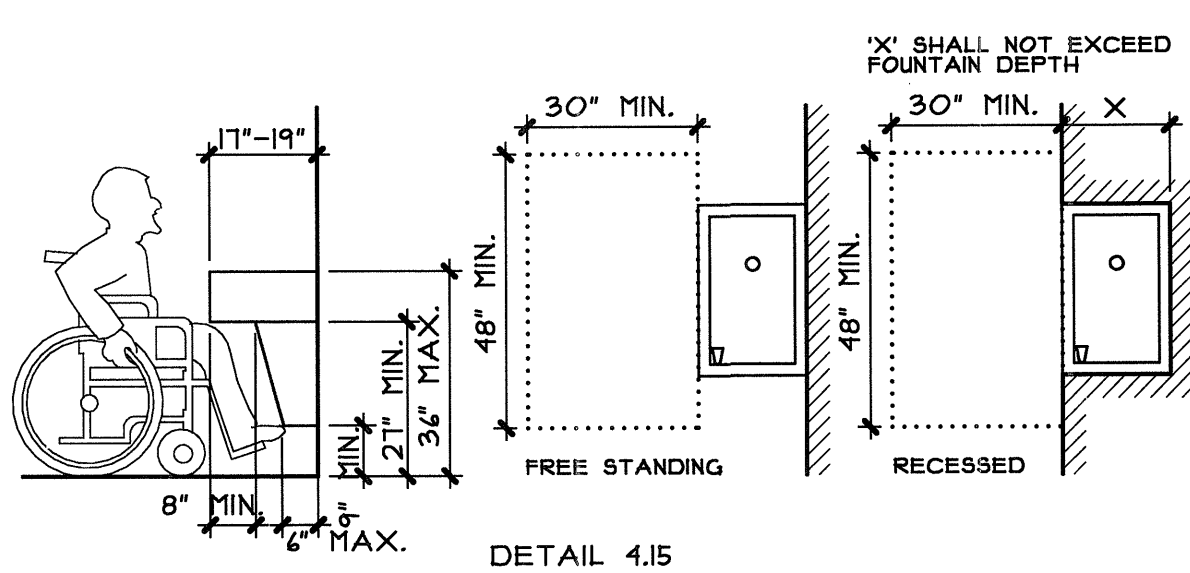
**TAS SECTION 4.15.4 - CONTROLS**

- A. UNIT CONTROLS SHALL BE FRONT MOUNTED OR SIDE MOUNTED NEAR THE FRONT EDGE.

**TAS SECTION 4.15.5 - CLEARANCES (REFERENCE DETAIL 4.15)**

- A. WALL AND POST MOUNTED CANTILEVER FOUNTAINS SHALL HAVE CLEAR KNEE SPACE AS FOLLOWS:
  1. MINIMUM 27" HIGH (FROM APRON BOTTOM TO FLOOR) MINIMUM 30" WIDE AND 17"-19" DEEP.
  2. A MINIMUM 30" x 48" CLEAR FLOOR SPACE ALLOWING A FORWARD APPROACH TO THE UNIT SHALL BE PROVIDED.

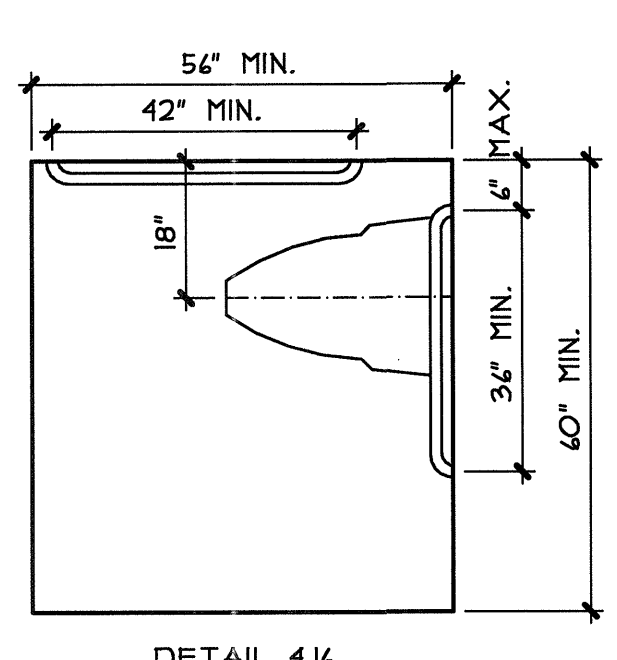
- B. FREE STANDING OR BUILT-IN UNITS NOT HAVING A CLEAR KNEE SPACE SHALL HAVE A MINIMUM 30" x 48" CLEAR FLOOR SPACE ALLOWING A PARALLEL APPROACH TO THE UNIT.



**TAS SECTION 4.16 - WATER CLOSETS**

**TAS SECTION 4.16.2 - CLEAR FLOOR SPACE**

- A. CLEAR FLOOR SPACE FOR WATER CLOSETS NOT IN STALLS SHALL BE PROVIDED AS FOLLOWS:
  1. FRONT APPROACH - 48" MIN. WIDE x 64" MIN. LONG. SIDE APPROACH - 48" MIN. WIDE x 56" MIN. LONG. FRONT AND SIDE APPROACH - 60" MIN. WIDE x 56" MIN. LONG. (REFERENCE DETAIL 4.16)
  2. NO DOORSWINGS ARE ALLOWED IN THE CLEAR FLOOR AREA.



**TAS SECTION 4.16.3 - HEIGHT (REFERENCE DETAIL 4.16.2)**

- A. THE HEIGHT TO THE TOP OF THE TOILET SEAT SHALL BE 17"-19" ABOVE THE FLOOR.
  1. SEATS SHALL NOT BE SPRUNG TO RETURN TO A LIFTED POSITION.

- TAS SECTIONS 4.16.4 & 4.26 - GRAB BARS (REFERENCE DETAILS 4.16.1, 4.16.2 & 4.16.3)

- A. FOR WATER CLOSETS NOT LOCATED IN TOILET STALLS, THE FOLLOWING GRAB BARS SHALL BE PROVIDED, 33"-36" ABOVE THE FINISH FLOOR:
  1. SIDE WALL - 42" LONG MIN. 12" FROM BACK WALL.
  2. BACK WALL - 36" LONG MIN. 12" MIN. EACH SIDE OF WATER CLOSET CENTERLINE.

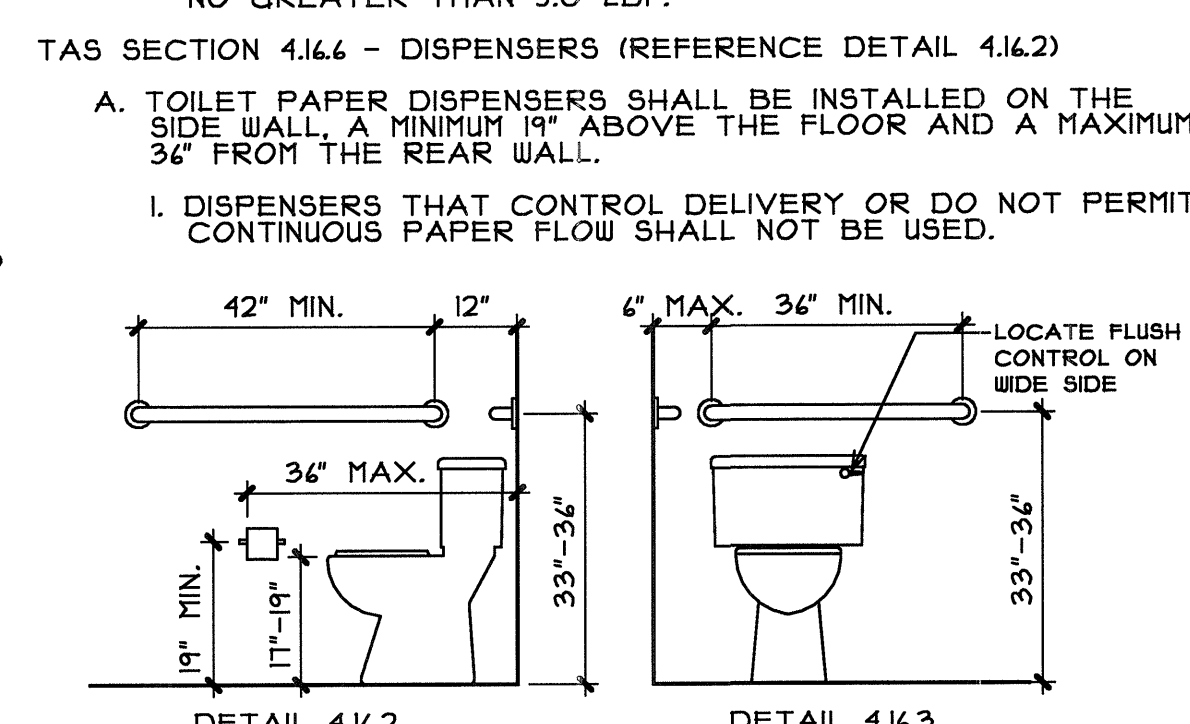
- REFER TO 4.26 FOR SIZE AND STRUCTURAL ELEMENTS.

- TAS SECTIONS 4.16.5 & 4.21.4 - FLUSH CONTROLS (REFERENCE DETAIL 4.16.3)

- A. CONTROLS SHALL BE 44" MAX. ABOVE THE FINISH FLOOR.
  1. LEVER CONTROLS OR FLUSH VALVES SHALL BE MOUNTED ON THE WIDE SIDE OF TOILET AREAS.
  2. CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC.
  3. CONTROLS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST.
  4. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5.0 LBF.

- TAS SECTION 4.16.4 - DISPENSERS (REFERENCE DETAIL 4.16.2)

- A. TOILET PAPER DISPENSERS SHALL BE INSTALLED ON THE SIDE WALL A MINIMUM 18" ABOVE THE FLOOR AND A MAXIMUM 36" FROM THE REAR WALL.
  1. DISPENSERS THAT CONTROL DELIVERY OR DO NOT PERMIT CONTINUOUS PAPER FLOW SHALL NOT BE USED.



**TAS SECTION 4.17 - TOILET STALLS**

**TAS SECTION 4.22.4 - WHERE APPLICABLE**

- A. IF TOILET STALLS ARE PROVIDED IN A TOILET ROOM OR BATHROOM, THEN AT LEAST ONE SHALL BE A "STANDARD" ACCESSIBLE TOILET STALL (FOR WHEELCHAIR USERS) COMPLYING WITH THIS SECTION. (REFERENCE DETAIL 4.17)
- B. IF 4 OR MORE TOILET STALLS ARE PROVIDED IN A TOILET ROOM OR BATHROOM IN ADDITION TO THE "STANDARD" ACCESSIBLE STALL REQUIRED, AN ADDITIONAL "ALTERNATE A" ACCESSIBLE STALL SHALL BE PROVIDED FOR AMBULATORY PERSONS WITH DISABILITIES) COMPLYING WITH THIS SECTION SHALL BE PROVIDED. (REFERENCE DETAIL 4.17.2)
- C. ALTERATIONS/EXISTING CONDITIONS IN ALTERATION WORK SHALL PROVIDE A STANDARD "ALTERNATE B" ACCESSIBLE STALL IS TECHNICALLY INFEASIBLE, OR WHERE PLUMBING CODE REQUIREMENTS PREVENT COMBINING EXISTING STALLS TO PROVIDE A STANDARD STALL (NOTE: REQUIRES A VARIANCE FROM T.D.L.R.)

**TAS SECTION 4.17.3 - SIZE AND ARRANGEMENT (REFERENCE DETAIL 4.17.1 & 4.17.2)**

- A. TOILET STALLS MAY BE ARRANGED TO PROVIDE EITHER A LEFT OR A RIGHT HAN