

ACCESSIBILITY GUIDELINES (TAS)

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 48" long. Clear floor space shall be centered on the element it serves.

4.3 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" x 60" shall be provided at 200' max. spacing.

TAS SECTION 4.3.5 - HEAD ROOM

- A. Accessible routes shall have 80" min. clear head room.

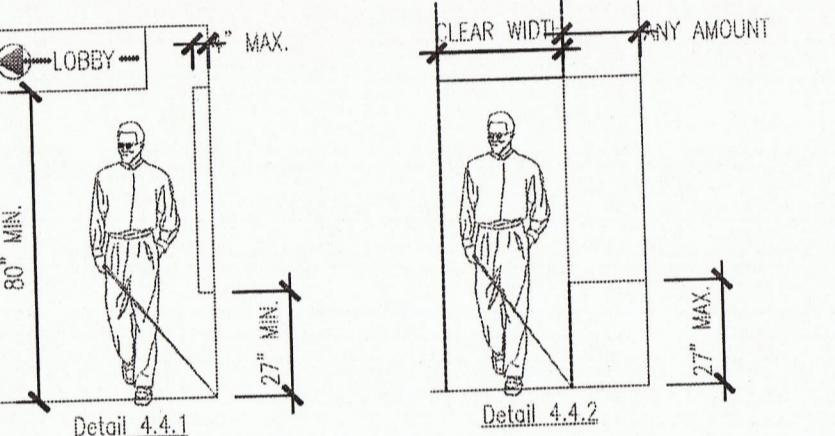
TAS SECTION 4.3.7 - SLOPE

- 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.

4.4 PROTRUDING OBJECTS (REFERENCE DETAIL 4.4.1 & 4.4.2)

TAS SECTION 4.4.1 - GENERAL

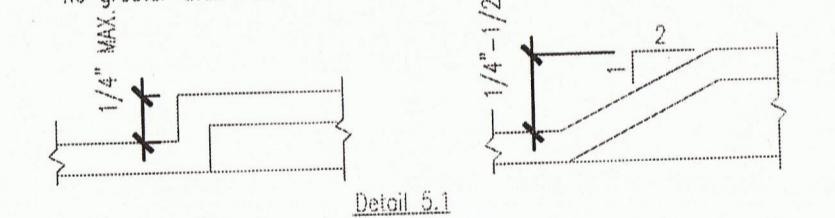
- A. Objects projecting from walls (for example, telephones) with their leading edges between 27"-80" above the finished floor shall protrude no more than 4" into walks, halls, corridors, passageways, or aisles. Objects mounted with their leading edges of or below 27" above the finished floor may protrude 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.



4.5 GROUND AND FLOOR SURFACES

TAS SECTION 4.5.2 - CHANGES IN LEVEL (REFERENCE DETAIL 5.1)

- A. Changes in level up to 1/4" may be vertical and without edge treatment.
- B. Changes in level between 1/4" and 1/2" shall be beveled with a slope no greater than 1:2.



TAS SECTION 4.5.3 - CARPET

- A. Carpet provided on floor surfaces 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/furcut pile texture. 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.

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.
- 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 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 minimum vertical clearance of 114" 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 access aisle of at least 60" wide and 20 ft long, adjacent and parallel to the vehicle pull-up space. If there are curbs between the access aisle and the vehicle pull-up space, then a curb ramp complying with 4.7 shall be provided. Vehicle standing spaces and access aisles shall be level with surface slopes not exceeding 1:50 in all directions.

4.7 CURB RAMPS

TAS SECTION 4.7.2 - SLOPE (REFERENCE DETAIL 4.7)

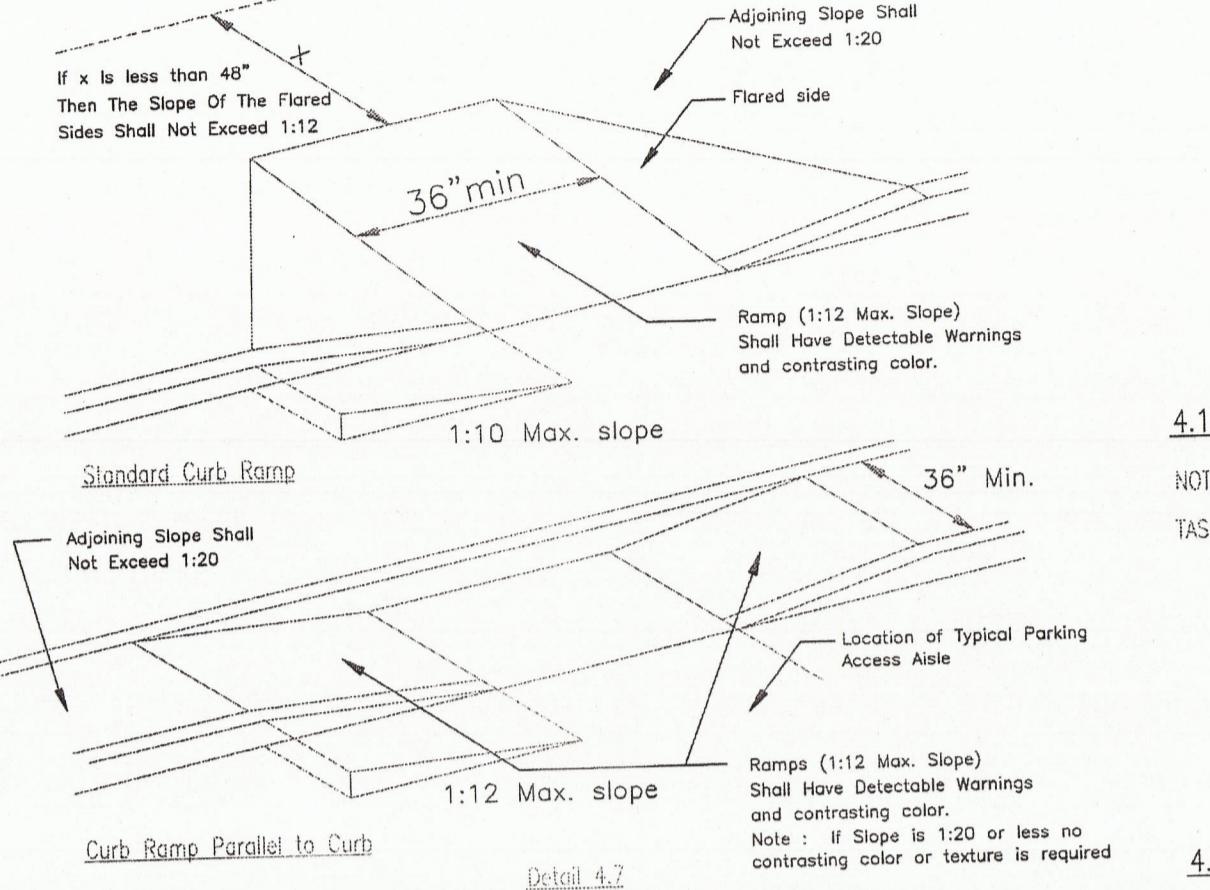
- A. Slopes of curb ramps shall comply with 4.8.2.
- B. Maximum slopes of adjoining gutters, road surface immediately adjacent to the curb ramp, or accessible route shall not exceed 1:20.

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 curves 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 curb ramps of both sides and a level area of at least 48" long between the curb ramps in the part of the island intersected by the crossings.

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 ft or less in length shall be 36". Ramps more than 30 ft in length shall have a minimum clear width of 44".

TAS SECTION 4.8.4 - LANDINGS

- A. Level landings required at top and bottom of each run, with 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" x 60" min.

TAS SECTION 4.8.5 - HANDRAILS

- A. Handrails are required on all ramps with > 6" 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 4.8.7 - 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 4.8.9 - DOOR HARDWARE

- A. Handles, pulls, latches, locks, and other operating devices shall have a shape that is easy to grasp with one hand and does not require tight grasping, light pinching, or twisting of the wrist to operate.

TAS SECTION 4.8.10 - 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 of 70°, the door will take at least 3 seconds to move to a point 3" from the latch, measured to the leading edge of the door.

TAS SECTION 4.15.11 - 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.

TAS SECTION 4.15.10 - HANDBARLS

- A. Non-contiguous 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.

TAS SECTION 4.10.3 - 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 riser to riser (not including nosing).
 2. Open risers are not permitted.

TAS SECTION 4.10.4 - HALL LANTERN

- A. Visible signals shall have the following features:
 1. Fixtures shall be mounted with centerline of at least 72" above the lobby floor.
 2. Visual elements shall be at least 2-1/2" in the smallest dimension.

TAS SECTION 4.10.5 - HALL CALL BUTTONS

- A. Shall be centered 12" above floor.

TAS SECTION 4.10.6 - HALL LANTERN

- A. Visible signals shall have the following features:
 1. Fixtures shall be mounted with centerline of at least 72" above the lobby floor.
 2. Visual elements shall be at least 2-1/2" in the smallest dimension.

TAS SECTION 4.10.7 - ELEVATORS

- A. Provide minimum vertical clearance of 114" at accessible passenger loading zones and along at least one vehicle access route from site entrances and exits.

TAS SECTION 4.10.8 - HALL CONTROL

- A. Shall be centered 12" above floor.

TAS SECTION 4.10.9 - HALL LANTERN

- A. Visible signals shall have the following features:
 1. Fixtures shall be mounted with centerline of at least 72" above the lobby floor.
 2. Visual elements shall be at least 2-1/2" in the smallest dimension.

TAS SECTION 4.10.10 - DRINKING FOUNTAINS

- A. Accessible spouts shall be no higher than 36", measured from the floor or ground surface to the spout outlet.

TAS SECTION 4.15.2 - SPOUT HEIGHT (REFERENCE DETAIL 4.15 for accessible unit)

- A. Accessible spouts shall be no higher than 36", measured from the floor or ground surface to the spout outlet.

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.

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" x 19" deep.
- 2. A minimum 30" by 48" clear floor space allowing a forward approach to the unit shall be provided.

TAS SECTION 4.15.6 - GRAB BARS (REFERENCE DETAILS 4.16.2, 4.16.3, 4.17.1 & 4.17.2)

- A. Grab bars shall be mounted 33" - 36" above the floor.

TAS SECTION 4.15.7 - TOE CLEARANCES

- A. In "Standard" accessible stalls, the front partition and at least one side partition shall provide a toe clearance of at least 9" above the floor.