

# ADA OVERVIEW

EZ-ACCESS<sup>®</sup> manufactures ramps for residential use only and are not to be used for commercial purposes. To ensure the highest quality and safety possible, EZ-ACCESS Modular ramps were designed with the ADA specifications in mind.

Although not binding to personal residences, these standards should be taken into consideration when purchasing a modular ramp.

## WHERE DO MODULAR RAMPS FIT IN?

As it relates to ramps, the ADAAG specifies how steep (incline) a ramp must be, ramp width, handrail design, etc. The EZ-ACCESS Modular Ramp System was designed with the ADAAG requirements in mind. Although a ramp system installed at a private residence typically is not obligated to meet ADAAG requirements, by following these guidelines the end user is assured acceptable levels of convenience, comfort, and safety:

### 4.8.1 GENERAL

Any part of an accessible route with a slope greater than 1:20 shall be considered a ramp and shall comply with 4.8.

### 4.8.2 SLOPE AND RISE

The maximum slope of a ramp in new construction shall be 1:12. The maximum rise for any single ramp run shall be 30-inches (760 mm). Curb ramps and ramps to be constructed on existing sites or in existing buildings or facilities shall be permitted to have slopes and rises provided space limitations prohibit use of a 1:12 may have slopes and rises as follows (4.1.6):

- 1) A slope between 1:10 and 1:12 is allowed for a maximum rise of 6-inches.
- 2) A slope between 1:8 and 1:10 is allowed for a maximum rise of 3-inches. A slope steeper than 1:8 is not allowed.

### 4.8.3 CLEAR WIDTH

The minimum clear width of a ramp shall be 36-inches (915 mm) (see FIG A).

### 4.8.4 LANDING

Ramps shall have level landings (platforms) at the bottom and top of each ramp and each ramp run. Landings shall have the following features:

- 1) Landing width shall be at least as wide as the ramp run leading to it.
- 2) Landing length shall be 60 inches (1525 mm) minimum clear.
- 3) Ramps that change direction at landings (platforms) shall have a 5'x 5' (1525 mm by 1525 mm) minimum landing (platform).
- 4) If a doorway is located at a landing (platform), then the area in front of the doorway shall comply with 4.13.6.

### 4.13.6 MANEUVERING CLEARANCES AT DOORS

Minimum maneuvering clearances at doors that are not automatic or power assisted shall be as shown in FIG A. The floor or ground area within the required clearances shall be level and clear.

### 4.8.5 HANDRAILS

If a ramp run has a rise greater than 6-inches (150 mm) or a run greater than 72-inches (1833 mm), then it shall have handrails on both sides. Handrails shall comply with 4.26 and have the following features:

- 1) Handrails shall be provided along both sides of ramp segments. The inside handrail on switchback (turn back platform) or dogleg (turn platform) ramps shall always be continuous.

- 2) If handrails are not continuous, they shall extend at least 12-inches (305 mm) beyond the top and bottom of the ramp segment and shall be parallel with the floor or ground surface (see FIG A).
- 3) The clear space between the handrail and the wall shall be 1½-inches (38 mm).
- 4) Gripping surfaces shall be continuous.
- 5) Top of handrail gripping surface shall be mounted between 34" and 38" (865 mm and 965 mm) above ramp surfaces.
- 6) Ends of handrails shall be either rounded or returned smoothly to floor, wall, or post.
- 7) Handrails shall not rotate within their fittings.

#### **4.8.6 CROSS SLOPE AND SURFACES**

The cross slope of ramp surfaces shall be no greater than 1:50; ramp surfaces shall comply with 4.5:

##### **4.5.1 GENERAL**

Ground and floor surfaces along accessible routes and in accessible rooms and spaces including floors, walks, ramps, stairs, and curb ramps, shall be stable, firm, slip-resistant and comply with 4.5.

#### **4.8.7 EDGE PROTECTION**

Ramps and landings (platforms) with drop-offs shall have curbs, walls, railings, or projecting surfaces that prevent people from slipping off the ramp. Curbs shall be a minimum of 2-inches (50 mm) high (see FIG A).

#### **4.8.8 OUTDOOR CONDITIONS**

Outdoor ramps and their approaches shall be designed so that water will not accumulate on walking surfaces.

THE ABOVE TEXT WAS  
TAKEN FROM

**CODE OF FEDERAL REGULATIONS, ADA STANDARDS FOR ACCESSIBLE DESIGN 28CFR PART 36**

