

## 2020 RESIDENTIAL ACCESSIBILITY RAMPS R311

**Maximum slope** Ramps serving the egress door shall have a slope of not more than 1-unit vertical in 12-units' horizontal (8.33-percent slope). Consult an inspector for other options inside an existing building with interior ramps in limited interior space.

**Landings required** There shall be a floor or landing at the top and bottom of each ramp, at any change in direction and as wide as the ramp but not less than 36" perpendicular to the slope.

**Handrails required** Handrails shall be provided on one side of ramps when exceeding a slope of 1-unit vertical in 12-units horizontal (8.33-percent slope). Also see Continuity below.

**Height** Handrail is measured vertically above the finished surface of the ramp slope and shall be not less than 34 inches or more than 38 inches.

**Handrail grip size** Handrails on ramps shall comply. Circular diameter– measuring not less than 1-1/4 inches or greater than 2". Non circular – perimeter measurement of not less than 4 inches or greater than 6-1/4 inches and a cross section not more than 2-1/4 inches with no sharp edges. Consult an inspector for other options having a perimeter greater than 6-1/4 inches.

**Continuity** Handrails on ramps shall be continuous for the full length of the ramp. Handrail ends shall be returned or shall terminate in newel posts or safety terminals. Handrails adjacent to a wall shall have a space of not less than 1-1/2 inches between the wall and the handrails.

## COMMERCIAL ACCESSIBILITY RAMPS A117

**Maximum slope** - same as above.

**Landings required** - wide as the ramp AND 60 inches in the direction of travel.

**Handrails required**- on BOTH sides.

**Height** – same as above.

**Handrail grip size** – same as above.

**Continuity** – 12" horizontal extensions beyond the top and bottom ends of the ramp that self-return.