

RAMPS

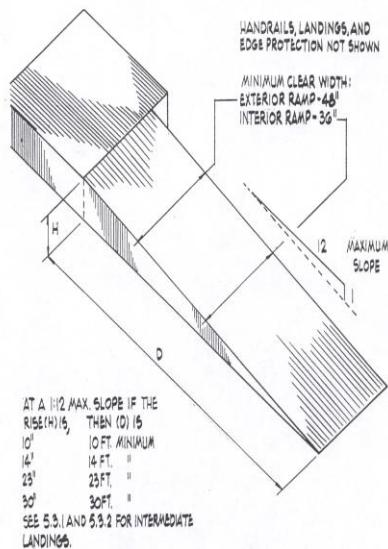
Before the construction of any ramp, please consult our inspections department for proper permits. Also, you will need to contact the zoning department at 919.496.2909.

Since each project is unique to the project site, it might be best to talk to inspectors so that your project will be successful.

Below you will find rules and code sections pertaining to building a ramp for ADA purposes. These general illustrations and statements from the Building Code will help you in designing and building of your ramp. If you have any questions or concerns, please feel free to contact us.

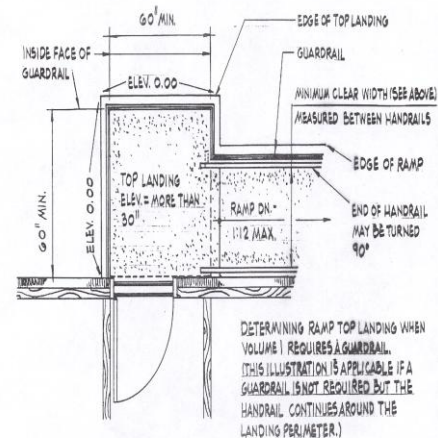
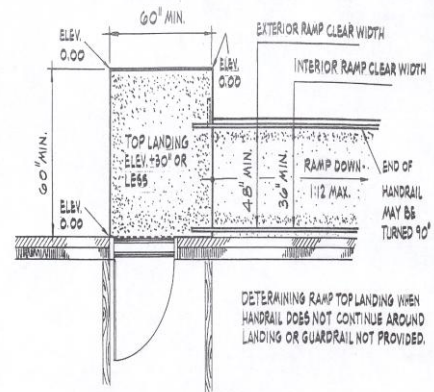
- Ramps shall have surfaces that are fixed, firm and non-fixed. Surfaces that become soft when exposed to heat, sunlight, water, etc shall not be used.
- The maximum slope of a ramp shall be 1:12. **See illustration "A"** (Residential ramps can be 1:8")
- The minimum clear width shall be 48"
- At the top of a ramp there shall be a 60" x 60" minimum clear landing. At the bottom of the ramp there shall be a 60" minimum straight and level clearance measured parallel direction to the direction of the travel. **See illustration "B"**
- Mounting height for handrails shall be between 34" and 38" above the walking surface. Handrails shall be between 1-1/4 " and 1-1/2" in diameter or width and shall be continuous. They shall be free of any sharp or abrasive edges and shall have a clear hand space between the rail and any wall surface of 1-1/2". **See illustration "C"**
- Edge protection shall be provided along the walking surface of the ramp. This will prevent chair wheels, crutches, canes or other similar aids from slipping off the edge of the ramp or landing. Edge protection shall have a minimum of 2" in height. **See illustration "D"**

ILLUSTRATION A



- 5.2.1- RAMPS SHALL HAVE A
1:12 MAXIMUM SLOPE
- 5.2.2- EXTERIOR RAMPS SHALL HAVE
A MINIMUM 48" CLEAR WIDTH.
- FOR EXCEPTION
SEE 10.9.1
- 5.2.3- AN INTERIOR ACCESSIBLE ROUTE
(INCLUDING RAMPS) SHALL HAVE
A MINIMUM 36" CLEAR WIDTH.

ILLUSTRATION B

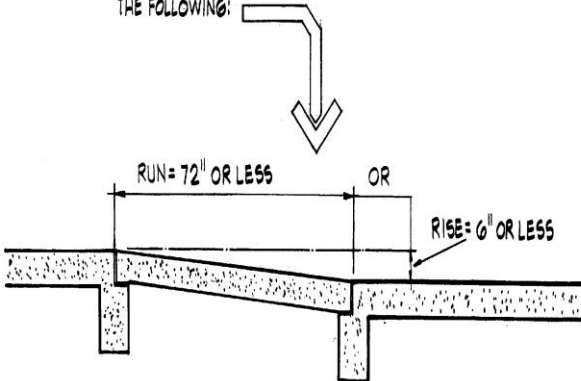


5.3.3- EACH RAMP SHALL HAVE A 60" x 60" TOP LANDING

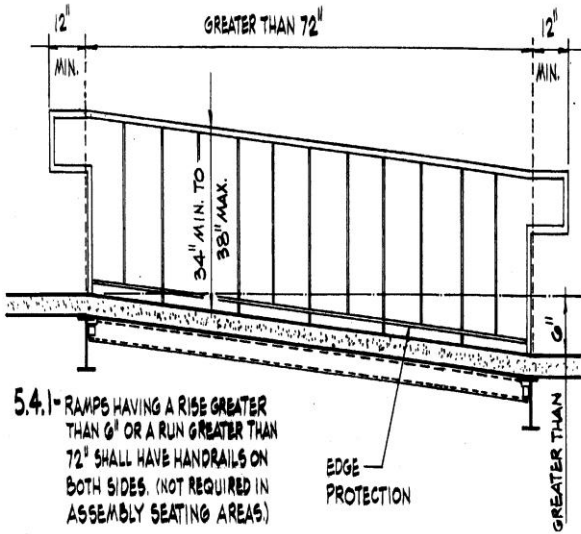
ILLUSTRATION C

ILLUSTRATION D

5.4.1- HANDRAILS ARE NOT REQUIRED IF THE RAMP CONFORMS TO THE FOLLOWING:

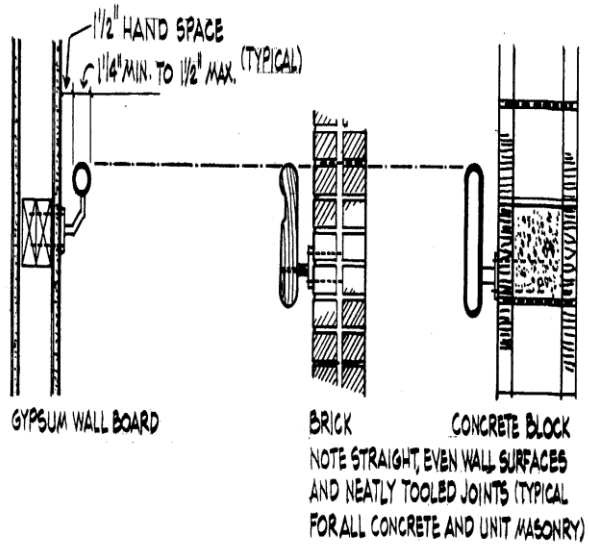


RAMP SLOPE-SEE 5.3.1 AND 5.3.2



5.4.1- RAMPS HAVING A RISE GREATER THAN 6" OR A RUN GREATER THAN 72" SHALL HAVE HANDRAILS ON BOTH SIDES. (NOT REQUIRED IN ASSEMBLY SEATING AREAS)

5.4.1- RAMPS REQUIRING HANDRAILS



5.4.2(10)- HANDRAILS AND ADJACENT WALL SURFACES SHALL BE FREE OF ANY SHARP OR ABRASIVE ELEMENTS.

5.4.2- HANDRAILS