

RAMPS

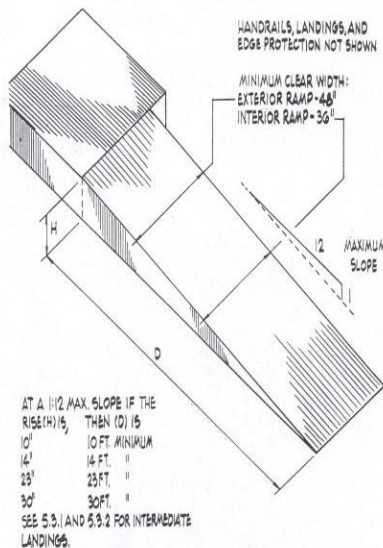
Before the construction of any ramp, please consult the Planning and Development Department for the proper Zoning and Building permits required.

Since each project is unique to the project site, it might be best to speak with an inspector about the project so that your building experience will be smooth.

Below you will find rules and code sections pertaining to building a ramp for ADA (American with Disabilities Act) purposes. These general illustrations and statements from the Building Code will help you in designing and building 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"**

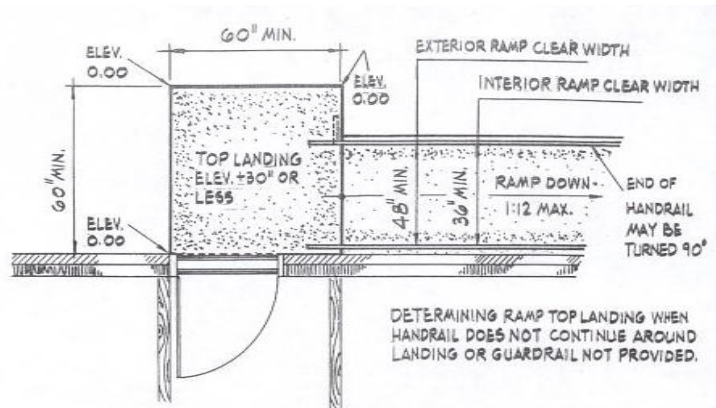
Illustration A



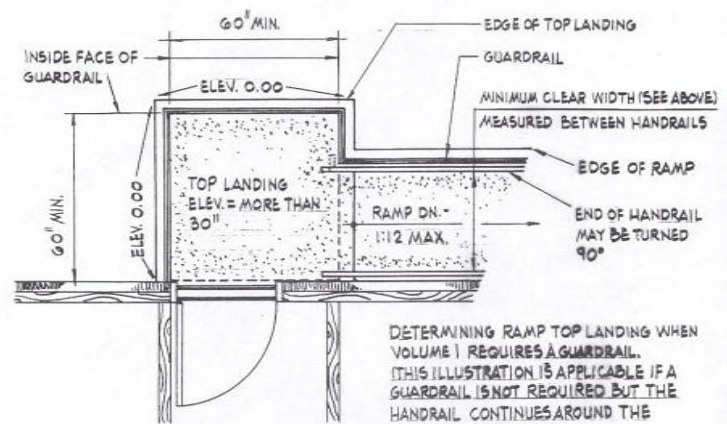
AT A 1:12 MAX. SLOPE IF THE RISE (H) IS:
 10' THEN (D) IS 10 FT. MINIMUM
 14' 14 FT. "
 28' 28 FT. "
 30' 30 FT. "
 SEE 5.3.1 AND 5.3.2 FOR INTERMEDIATE LANDINGS.

- 5.2.1- RAMPS SHALL HAVE A 1:12 MAXIMUM SLOPE
 - 5.2.2- EXTERIOR RAMPS SHALL HAVE A MINIMUM 48" CLEAR WIDTH.
 - 5.2.3- AN INTERIOR ACCESSIBLE ROUTE (INCLUDING RAMPS) SHALL HAVE A MINIMUM 36" CLEAR WIDTH.
- FOR EXCEPTION SEE 10.5.1

Illustration B



DETERMINING RAMP TOP LANDING WHEN HANDRAIL DOES NOT CONTINUE AROUND LANDING OR GUARDRAIL NOT PROVIDED.



DETERMINING RAMP TOP LANDING WHEN VOLUME 1 REQUIRES A GUARDRAIL. (THIS ILLUSTRATION IS APPLICABLE IF A GUARDRAIL IS NOT REQUIRED BUT THE HANDRAIL CONTINUES AROUND THE LANDING PERIMETER.)

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

Illustration C

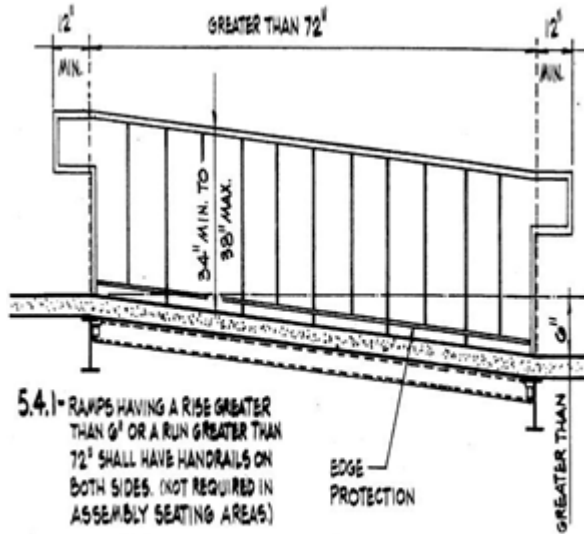
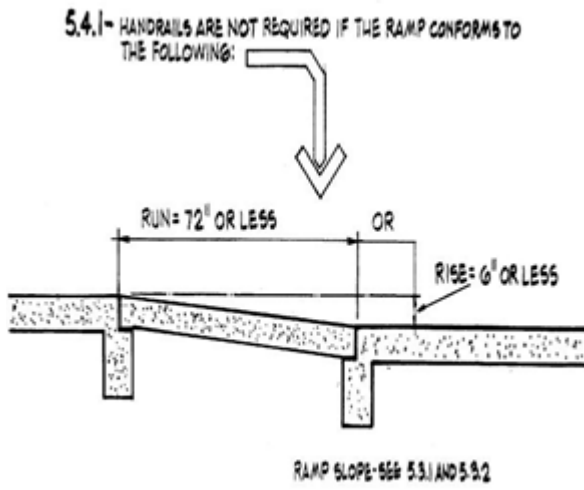
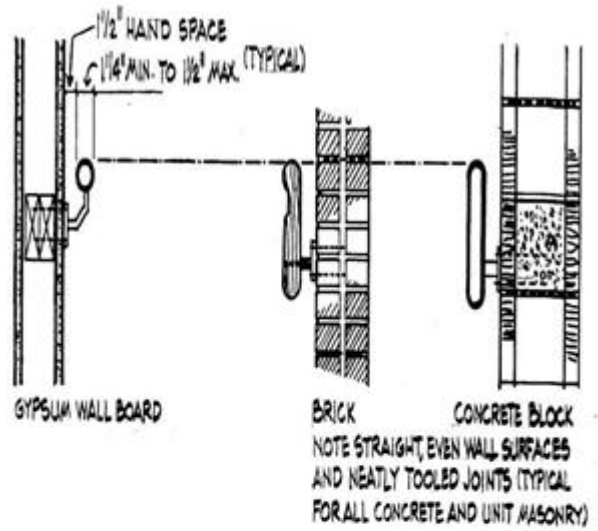


Illustration D



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

5.4.2- HANDRAILS