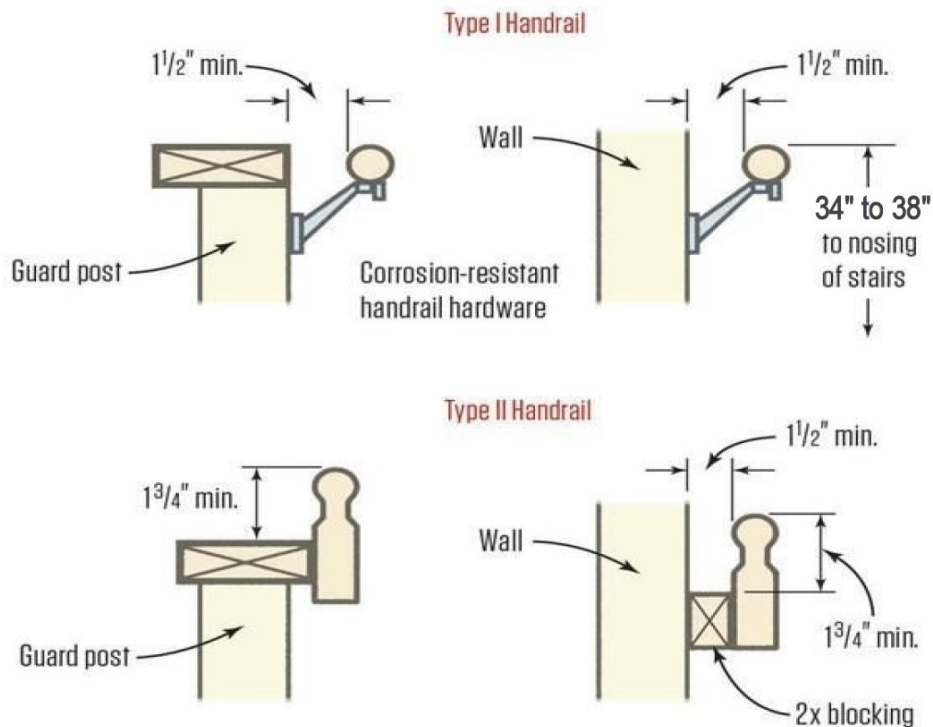


Residential Ramp Requirements

2020 MN Residential Code [R311.8](#) & [R312.1](#)

- Maximum slope is 1-unit vertical in 12-units horizontal (1:12) or 1:8 where it is technically infeasible because of site constraints.
- A minimum 3-foot-by-3-foot landing shall be provided at the top and bottom of ramps, where doors open onto ramps and where ramps change direction.
- Guards not less than 36 inches high with less than 4 inch openings are required along open sides of ramps and landings more than 30 inches above the floor or grade below, [R312.1.1](#).
- Handrails are required on at least one side of ramps that exceed a slope of 1:12.
- When required, handrails shall run full length of the ramp with no open ends or sharp edges.
- There shall be a minimum 1½– inch clear space around the graspable portion of the handrail.
- Handrail height shall be 34 inches to 38 inches above the ramp surface.
- Handrails on ramps shall comply with Section [R311.7.8 Handrails](#) – see examples below.

Handrail Mounting



Note: A 2x4 or 2x6 is not acceptable without recessed areas on both sides as shown above.

Handrails must be graspable



Accuracy – Efficiency – Uniformity