



RESIDENTIAL EXTERIOR RAMPS

*A Building permit is required for any alteration or addition to any existing building or structure. *MN State Building Code Section 1300.0120 Subpart 1*. Permit may be applied for at the Austin Building Department.

****A building permit is required for ramps that exceed 30 inches in height or are attached to the dwelling.**

NOTE: We require contractors and homeowners to allow 15 working days for the city to review your site drawings and plans, as well as compliance to MN State Building Code. When the review process has been completed the City Building Department will contact you after the review is complete and at that time you will pay any applicable permit fees and be allowed to commence work on your project. **No work shall be started without prior approval by the Building Official.**

R311.8 Ramps.

R311.8.1 Maximum slope.

Ramps shall have a maximum slope of 1 unit vertical in 12 units horizontal (8.3-percent slope).

Exception: Where it is technically infeasible to comply because of site constraints, ramps may have a maximum slope of one unit vertical in eight horizontal (12.5-percent slope).

R311.8.2 Landings required.

A minimum 3-foot-by-3-foot (914 mm by 914 mm) landing shall be provided:

1. At the top and bottom of ramps.
2. Where doors open onto ramps.
3. Where ramps change direction.

R311.8.3 Handrails required.

Handrails shall be provided on at least one side of all ramps exceeding a slope of one unit vertical in 12 units horizontal (8.33-percent slope).

R311.8.3.1 Height.

Handrail height, measured above the finished surface of the ramp slope, shall be not less than 34 inches (864 mm) and not more than 38 inches (965 mm).

R311.8.3.2 Grip size.

Handrails on ramps shall comply with [Section R311.7.8.3](#).

R311.8.3.3 Continuity.

Handrails where required 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 1½ inches (38 mm) between the wall and the handrails.

Call Gopher State One at 1-800-252-1166 to identify utility locations prior to digging!

INSPECTIONS DEPT.

**RESIDENTIAL EXTERIOR RAMP
DESIGN RECOMMENDATIONS**
FOR 1 & 2 FAMILY DWELLINGS

DESIGN CONSIDERATIONS SHOULD REFLECT USER NEEDS AND SITE CONDITIONS

INTERMEDIATE LANDINGS MAY BE NECESSARY IF RAMP IS OF CONSIDERABLE LENGTH OR IF DIRECTION OF RAMP CHANGES

PLAN 1/2" = 1'-0"

MATERIALS FOR RAMP SURFACE	
RECOMMENDED	NOT RECOMMENDED
TREATED LUMBER - 2x6s	PLYWOOD
CEDAR OR REDWOOD - 2x6s	NON-SLIP ADHESIVE STRIPS
ROUGH-SAWN TIMBERS - 2x6s	

15" MIN. REOOD.

32" MIN.

5'-0" x 5'-0" LEVEL LANDING

36" MIN. WIDE STAIR

Max slope: 12/1

36" MIN.

NON-SLIP SURFACE PROVIDING ADEQUATE DRAINAGE

REMOVE SCREEN DOOR IF POSSIBLE

THE SURFACE OF THE RAMPWAY SHOULD PROVIDE A NON-SLIP SURFACE. TREATED LUMBER OR WOOD OF NATURAL RESISTANCE TO DECAY, SUCH AS CEDAR OR REDWOOD, IS RECOMMENDED FOR EXTERIOR USE. ROUGH-SAWN TIMBERS WILL PROVIDE AN ADEQUATE SURFACE. 2x6 BOARDS WITH 10-PENNY NAIL HEAD GAPS (1/4 INCH) IS RECOMMENDED. PLYWOOD IS NOT RECOMMENDED, AS IT DOES NOT PROVIDE DRAINAGE. NON-SLIP STRIPS OF ADHESIVE ARE NOT RECOMMENDED, AS THEY TRAP MOISTURE IN THE SPRING AND FALL, BECOMING ICE STRIPS UNDER FREEZING CONDITIONS.

The language & depictions in this hand out is meant as a guide for the construction code & building process and may not contain exact code language. For exact code you may go online at www.revisor.mn.gov or contact the Austin Building Department.

PLOT PLAN

ADDRESS: _____

LEGAL DESCRIPTION: _____

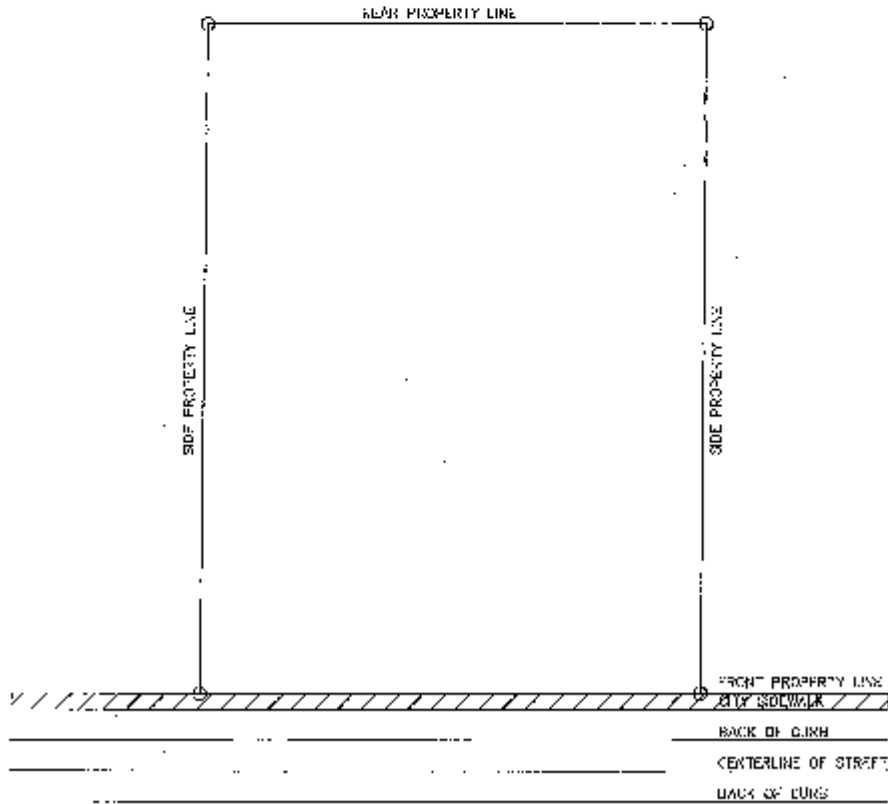
LOT BLOCK ADDITION

SITE AREA: _____ SQ. FT. AREA OF SITE OCCUPIED BY BUILDING: _____ SQ. FT.

INSTRUCTIONS TO APPLICANT: COVERAGE PERCENTAGE: _____ %

FOR NEW BUILDINGS AND BUILDING ADDITIONS THE FOLLOWING INFORMATION MUST BE PROVIDED IN THE SPACE BELOW:

- 1) Location of proposed construction and existing improvements.
- 2) Show buildings (square footage) and setback distances of existing buildings and new structures.
 - a) How far the new building will be away from the front property line.
 - b) How far the new building will be away from the side property line.
 - c) How far the new building will be away from the rear property line.
 - d) How far the new building will be away from existing structures.
- 3) Show easements.
- 4) Indicate whether property is a corner lot.
- 5) Show street and avenue location.



SIGNATURE OF OWNER OR AUTHORIZED REPRESENTATIVE: _____