



Decks More Than 30" Above Grade

- **Two (2) copies of site plan**
- **Two (2) copies of foundation/framing plans including guard rail/stairway details**
- **Design to meet the intent of the 2006 IRC (International Residential Code)**

Minimum Requirements for Construction Drawings

Submitted plans and documentation must contain adequate information and be sufficiently detailed so that code compliance can be verified and your drawings approved. To prevent avoidable delays, the City of Marysville requests that you adhere to our guidelines and provide all of the following information.

Please submit identical copies of your plans in the quantity requested by City of Marysville Community Development Department personnel. Acceptable drawings sizes are 8 ½" x 10", 8 ½" x 14" or 18" x 24".

Washington State law requires that any registered professional who prepares or supervises the preparation of drawings and construction documents stamp and sign such documents.

NOTE: Homeowner can design their own deck. Subject to plan review approval

Site Plan

- 1. Provide scale and north arrow. Maximum scale 1"= 40' (Preferred scale 1" = 20')
- 2. Show the sizes, locations, setbacks, and uses of existing and proposed buildings.
- 3. Show the location of utilities (water, sewer, gas, and electricity) for new buildings or additions.
- 4. Identify any existing structures, or portions thereof, that are to be removed or demolished.
- 5. Indicate the width of driveways and describe paving materials.
- 6. Specify project square footage on floor plans.

Foundation Plan

Provide scale (1/4" or 1/8") and north arrow.

- 1. Show dimensions of perimeter foundation, isolated footings, concrete slabs, patios, porches, landings, and deck supports.
- 2. Clearly indicate the locations and sizes of exterior and interior bearing footings/foundations. Specify pier sizes (show thickened footings where posts are supported on exterior footings where necessary to support imposed loads).

Framing Plans

- 1. Show on the drawings the numbers and sizes of nails connecting wood members, or include on the drawings IRC Tables R602.3 (1) and R602.3 (2).
- 2. Provide complete framing plans including sizes, grades, spacing, and species of all framing members including posts, lateral bracing, and guardrails. Show sizes and depths of concrete

footing pads. Show all connections.

Elevations

- 1. Specify the height above finish grade to finished floor.
- 2. Specify all finished materials to be used.
- 3. Show all doors and windows (distinguish between operable and fixed).
- 4. Show finish grade elevations in relation to structure.

Building Cross Sections

Blocking, bridging, straps, approved framing anchors or mechanical fasteners shall be installed to provide continuous ties from the roof to the foundation system.

- 1. Specify material (cedar or pressure treated). IRC Sec. R319.
- 2. Where post and beam or girder construction is used, the design shall be in accordance with the provisions of this code. Detail positive connections to ensure against uplift and lateral displacement.
- 3. Provide full height section through stairways. Show riser and tread framing materials; riser height, tread width; handrail/guardrail height above tread nosing; and clearance to ceiling above the stairs measured from a line drawn at and parallel to tread nosings. IRC Sec. R311.5.
- 4. The minimum stairway width must not be less than **36"**. IRC Sec. R311.5.1 -Stairways must have a handrail placed not less than **34"** or more than **38"** above the nosing of treads. The handgrip portion of handrails must not be less than **1-1/4"** nor more than **2"** in cross-sectional dimension. Handrails shall return to a post or the wall. The rise of every step in a stairway must not be greater than **7 3/4"**. The greatest riser height within any flight of stairs must not exceed the smallest by more than **3/8"**. The run must not be less than **10"**. The largest tread run within any flight of stairs must not exceed the smallest by more than **3/8"**.
- 5. The open sides of stairways, landings, balconies or porches, which are more than 30 inches above grade or floor below shall be shown to have a 36" guardrail with intermediate rails or an ornamental pattern such that a sphere 4 inches in diameter cannot pass through. IRC Sec. R312.