

R404.5 Electric readiness. Water heaters, space heaters, household clothes dryers, and cooking appliances that use fuel gas or liquid fuel shall comply with Sections R404.4.1 through R404.4.5. The electrical circuit used for a fuel gas or liquid gas appliance is permitted to meet this requirement.

R404.5.1 Cooking appliances. A dedicated branch circuit outlet with a rating not less than 240-volts, 40-amperes shall be installed and terminate within three feet of conventional cooking tops, conventional ovens or cooking appliances combining both.

Exception: Cooking appliances not installed in an individual dwelling unit.

R404.5.2 Household Clothes Dryers. A dedicated branch circuit with a rating not less than 240-volts, 30-amperes shall be installed and terminate within three feet (304 mm) of each household clothes dryer.

Exception: Clothes dryers not installed in an individual dwelling unit.

R404.5.3 Space heaters. A designated exterior location(s) in accordance with the following:

1. A dedicated branch circuit in compliance with Washington Electrical Code based on heat pump space heating equipment sized in accordance with Section R403.7 and terminating within 3 feet (914 mm) of the location with no obstructions. Both ends of the branch circuit shall be labeled "For Future Heat Pump Space Heater."

Exception: Where an electrical circuit in compliance with the Washington Electrical Code exists for space cooling equipment.

~~A two-pole breaker space shall be provided and designated for future space heating needs. A dedicated branch circuit with a rating not less than either 240 volts, 30-amperes or 120V, 20-amperes shall be installed and terminate within three feet (304-mm) of each space heater.~~

~~Exception: Space heaters serving multiple dwelling units in a R-2 occupancy~~

R404.5.4 Water heaters. A dedicated branch circuit with a rating not less than either 240-volts, 30-amperes or 120V, 20-amperes shall be installed and terminate within three feet (304 mm) of each water heater.

Exception: Water heaters serving multiple dwelling units in a R-2 occupancy

R404.5.4.1 Water heater space. An indoor space that is at least three feet by three feet by seven feet high shall be available surrounding or within 3 feet of the installed water heater.

~~Exception: The water heater space requirement does not need to be met where a heat pump water heater or tankless water heater is installed.~~

R404.5.5 Electrification-ready circuits. The unused conductors required by Sections R404.~~45.1~~ through R404.~~45.4~~ shall be labeled with the word "spare." Space shall be reserved in the electrical panel in which the branch circuit originates for the installation of an overcurrent device. Capacity for the circuits required by Sections R404.~~45.1~~ through R404.~~45.4~~ shall be included in the load calculations of the original installation.

TABLE R405.2
REQUIREMENTS FOR SIMULATED BUILDING PERFORMANCE

SECTION ^a	TITLE
<u>R404.5</u>	<u>Electric readiness</u>

R407.1 General. Projects shall comply with Section 404.5 and Section R407.2 or Section R407.3.