

RAJ608 ELECTRICAL

§RAJ608.1 General. Any alteration to an existing electrical system relating to work done in any work area shall be made in conformity with the provisions of Chapter R33 through Chapter R42.

§RAJ608.2 Increased loads. Where alterations subject portions of existing electrical systems to increased loads, such portions shall be made to comply with Chapter R33 through Chapter R42.

§RAJ608.3 Electrical service. Service to dwelling units shall be a minimum of 100 ampere, three-wire capacity, and service equipment shall be dead front having no live parts exposed whereby accidental contact could be made. Type "S" fuses shall be installed when fused equipment is used.

Exception: Existing service of 60 ampere, three-wire capacity, and feeders of 30 ampere or larger two- or three-wire capacity shall be accepted if adequate for the electrical load being served.

§RAJ608.3.1 Clearance. Clearance for electrical service equipment shall be provided in accordance with §RE3305.

§RAJ608.4 Ground-fault and arc-fault circuit-interrupter protection. Ground-fault and arc-fault circuit-interrupter protection shall be provided on newly installed receptacle outlets as required by §RE3802.

§RAJ608.5 Additional electrical requirements. When the work area includes any of the following areas within a dwelling unit, the requirements of §RAJ608.5.1 through §RAJ608.5.3 shall apply.

§RAJ608.5.1 Enclosed areas. All enclosed areas other than closets, kitchens, basements, garages, hallways, laundry areas and bathrooms shall have a minimum of two duplex receptacle outlets, or one duplex receptacle outlet and one ceiling or wall type lighting outlet.

§RAJ608.5.2 Kitchen and laundry areas. Kitchen areas shall have a minimum of two duplex receptacle outlets. Laundry areas shall have a minimum of one duplex receptacle outlet located near the laundry equipment and installed on an independent circuit.

§RAJ608.5.3 Bathrooms, hallways, stairways, attached and detached garages. At least one lighting outlet shall be provided in every bathroom, hallway, stairway, attached garage and detached garage with electric power to illuminate outdoor entrances and exits, and in utility rooms and basements where these spaces are used for storage or contain equipment requiring service.

RE3801.2 Convenience receptacle distribution. In every kitchen, family room, dining room, living room, parlor, library, den, sun room, bedroom, recreation room, or similar room or area of dwelling units, receptacle outlets shall be installed in accordance with the general provisions specified in §RE3801.2.1 through §RE3801.2.3.

RE3801.2.1 Spacing. Receptacles shall be installed so that no point measured horizontally along the floor line in any wall space is more than 6 feet (1829 mm), from a receptacle outlet.

§RE3801.2.2 Wall space. As used in this section, a wall space shall include the following:

1. Any space that is 2 feet (610 mm) or more in width, (including space measured around corners), and that is unbroken along the floor line by doorways, fireplaces, and similar openings.
2. The space occupied by fixed panels in exterior walls, excluding sliding panels.
3. The space created by fixed room dividers such as railings and freestanding bar-type counters.

RE3801.9 Basements and garages. At least one receptacle outlet, in addition to any provided for laundry equipment, shall be installed in each basement and in each attached garage, and in each detached garage that is provided with electrical power. Where a portion of the basement is finished into one or more habitable room(s), each separate unfinished portion shall have a receptacle outlet installed in accordance with this section.

RE3803 LIGHTING OUTLETS

§RE3803.1 General. Lighting outlets shall be provided in accordance with §RE3803.2 through §RE3803.4.

§RE3803.2 Habitable rooms. At least one wall switch-controlled lighting outlet shall be installed in every habitable room and bathroom.

Exceptions:

1. In other than kitchens and bathrooms, one or more receptacles controlled by a wall switch shall be considered equivalent to the required lighting outlet.
2. Lighting outlets shall be permitted to be controlled by occupancy sensors that are in addition to wall switches, or that are located at a customary wall switch location and equipped with a manual override that will allow the sensor to function as a wall switch.

* The excerpts contained in this document are for informational purposes only, and are not to be construed as being all inclusive of building code requirements for any given construction project. Please note, these and all building codes are minimum requirements and in no way prohibit the owner/builder/contractor from performing above code construction work.