Residential Receptacle Requirements (General)

(2010 California Electrical Code)

1) This document applies to all dwelling unit kitchens, family rooms, dining rooms, living rooms, parlors, libraries, dens, sunrooms, bedrooms, recreation rooms, or similar rooms.

2) Receptacles shall be installed so that no point measured horizontally along the floor line in any wall space is over 6 feet from the receptacle. This allows for a maximum of 12 feet between receptacles on the same wall. Commonly called the 6 ft. /12 ft. rule. *(See Figures 1&2)*

3) Wall space includes the following:

a) Any space 2 foot or more (including space measured around corners) and unbroken along the floor line by doorways, fireplaces, and similar openings *(See Figure 1)*.
b) The space occupied by fixed door panels *(See Figure 1)* (Note: *See #4 for floor receptacles*).
c) The space afforded by fixed room dividers such as bar counters or railings (See Figure 2).

Fig. 1

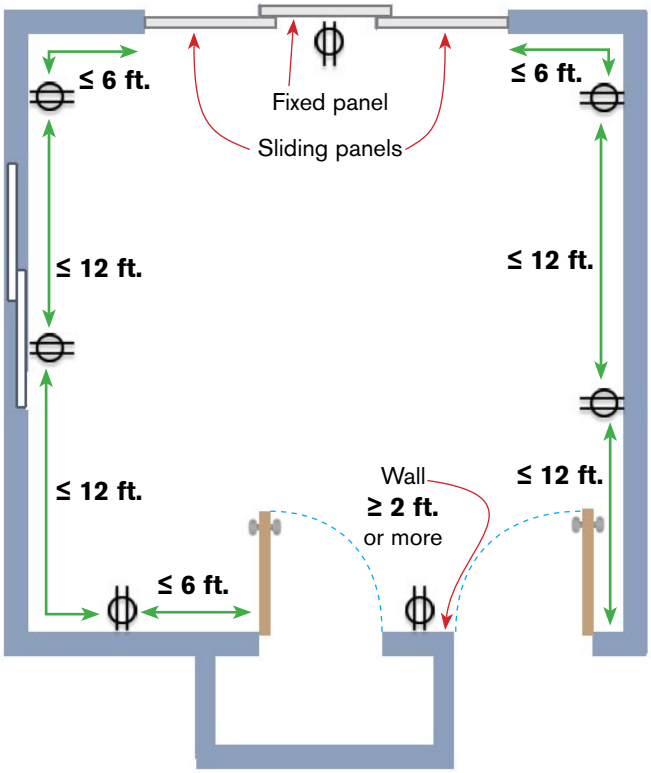


Fig. 2 **6 ft. & 12 ft. Rule Explained**

Wall receptacles serve spaces for 6 ft. on each side of receptacle. Therefore, max. spacing between wall receptacles is 12 ft.

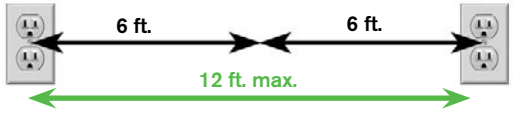
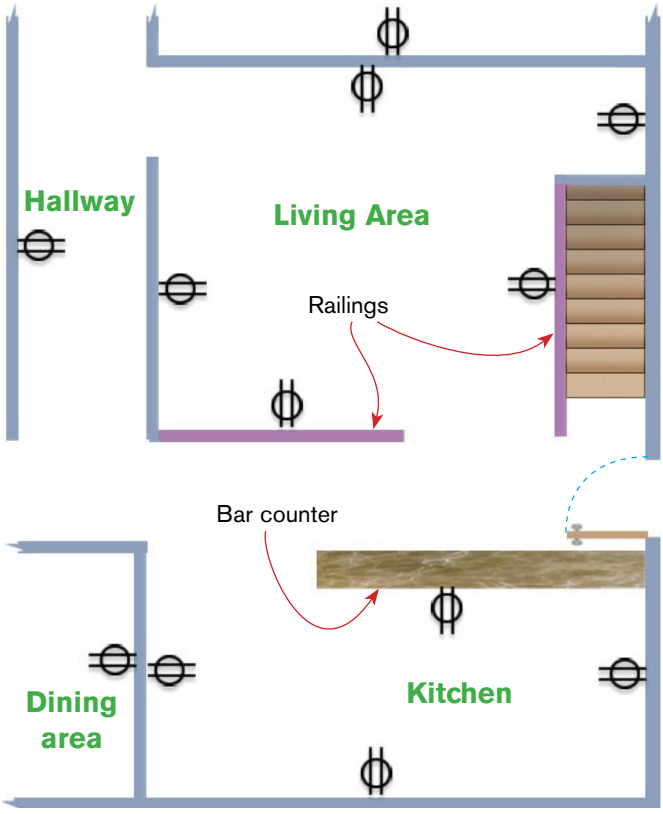


Fig. 3



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4) Receptacles installed in the floor must be within 18 inches of the wall to be included as a require receptacle *(See Figure 3).*

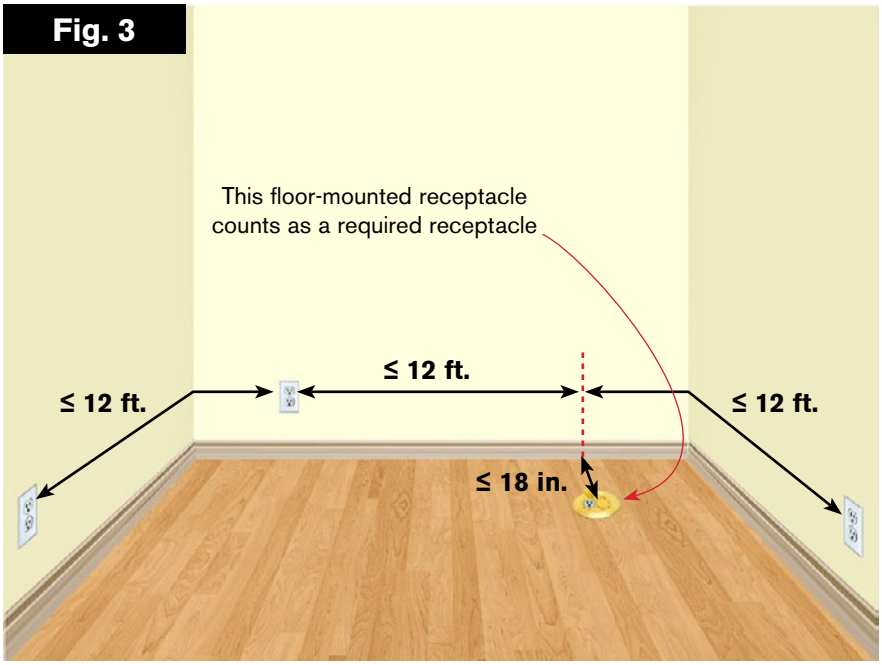
5) At least one receptacle shall be installed for the laundry. *(See Figure 4).*

6) Any receptacle installed for a specific appliance must be located within 6 feet of the appliance *(See Figure 4).*

7) At least one receptacle must be installed at the front and back of the dwelling unit, and be listed as weather resistant type receptacle.

8) At least one general-purpose receptacle must be install within each basement, attached garage, detached garage with electrical power, and hallways 10 feet or more in length.

Fig. 3



All 120V 15- and 20- ampere receptaclesin-stalled in areas specified by Art. 210.52 shall be listed as tamper-resistant type.

All 120V 15- and 20- ampere receptaclesshall have Arc-Fault Circuit Protectionper NEC Art. 210.12(B).

All 120V 15- and 20- ampere receptaclesin dwelling unit garages, accessorybuildings and basements shall be GFICprotected per NEC Art. 210.8(A)(2).

Fig. 4