

POWER DISTRIBUTION

The IRC establishes location requirements for receptacle and lighting outlets.

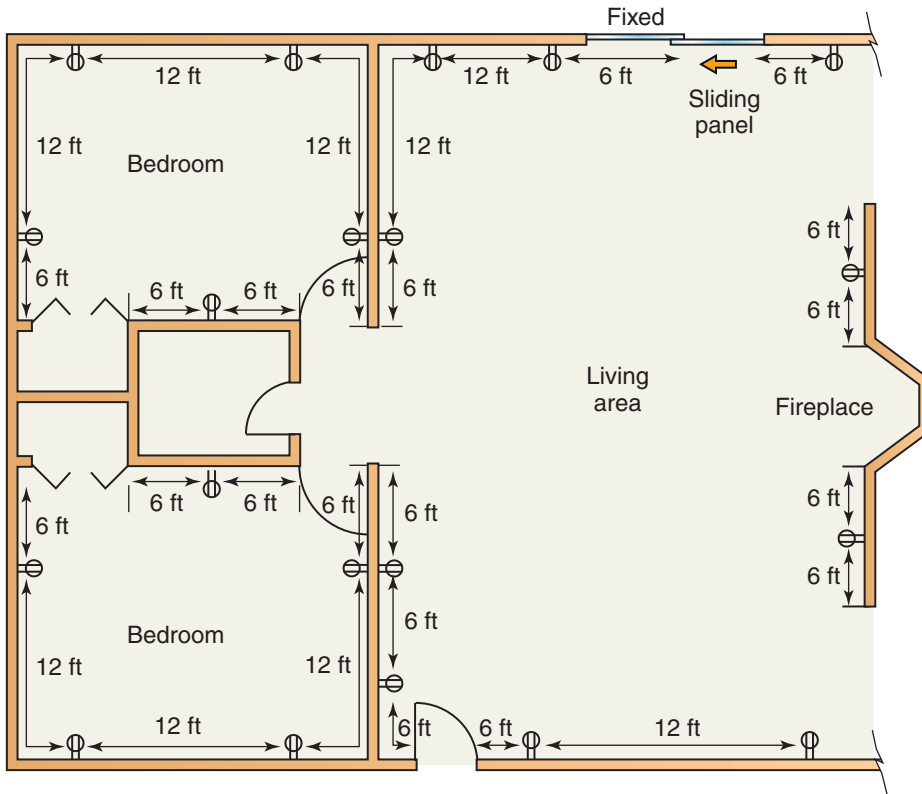
Receptacle outlet locations

In addition to providing convenience for the occupants, proper placement of receptacle outlets to serve fixtures and appliances reduces electrical hazards in the home, such as may occur with the use of extension cords (Table 14-8 and Figures 14-8 through 14-11). [\[Ref. E3901\]](#)

TABLE 14-8 Receptacle outlet locations

Description	Maximum Spacing (ft.)	Minimum number of receptacle outlets	Location	Note
Habitable rooms	12		within 6 ft. of a door and within 6 ft. of any point along a wall	for wall space \geq 24 in. wide; wall receptacles \leq 5.5 ft. above the floor; floor receptacles \leq 18 in. from wall
Kitchen wall counters	4		within 2 ft. of any point along the wall line and \leq 20 in. above counter	for wall counter \geq 12 in. wide
Kitchen island or peninsular counter		1	\leq 20 in. above counter	for counter \geq 12 in. x 24 in.
Hallway		1		for hallways \geq 10 ft.
Bathroom		1	\leq 36 in. from lavatory	measured from the outside edge of each lavatory basin
Outdoors		1 in front & 1 in back	\leq 6 feet 6 inches above grade	where there is access to grade
Deck, balcony, or porch		1	\leq 6 feet 6 inches above floor	applies to all decks, balconies, or porches \geq 20 sq. ft. and accessible from inside dwelling
Laundry Areas		1	\leq 6 ft. from appliance	-
Basement		1	-	for basement with finished habitable space, one outlet for each separate unfinished area
Garage		1	-	-
HVAC Equipment		1	\leq 25 ft. from equipment	-

HVAC = Heating, ventilation, air conditioning



Dimensions shown are maximum spacing of general purpose receptacles

FIGURE 14-8 Habitable room receptacle outlet locations

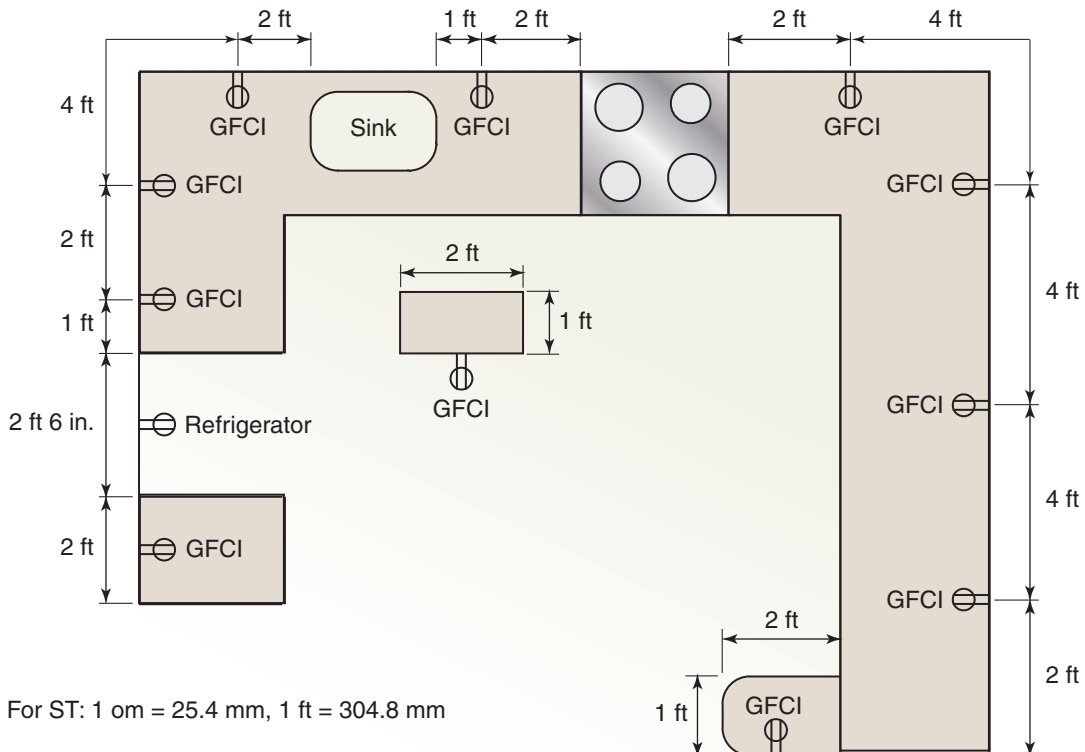


FIGURE 14-9 Kitchen counter receptacle outlets

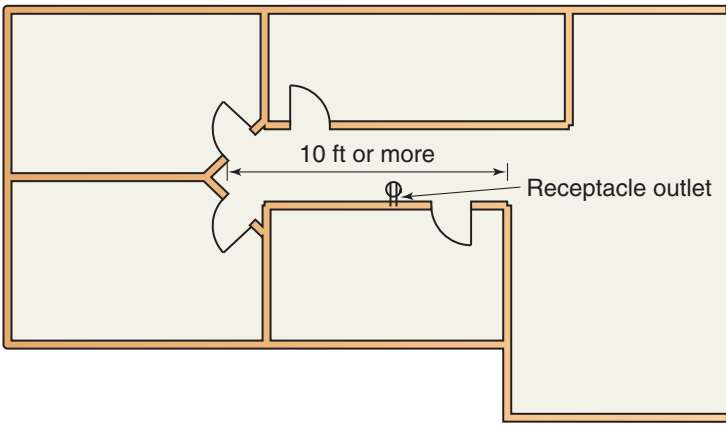
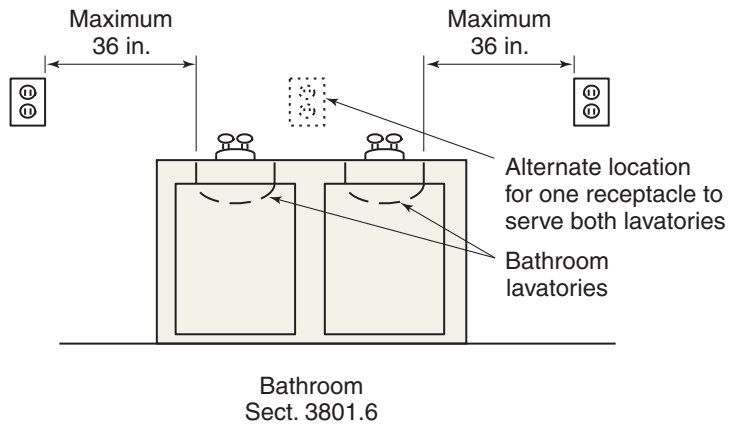


FIGURE 14-10 Bathroom and hallway receptacle outlets

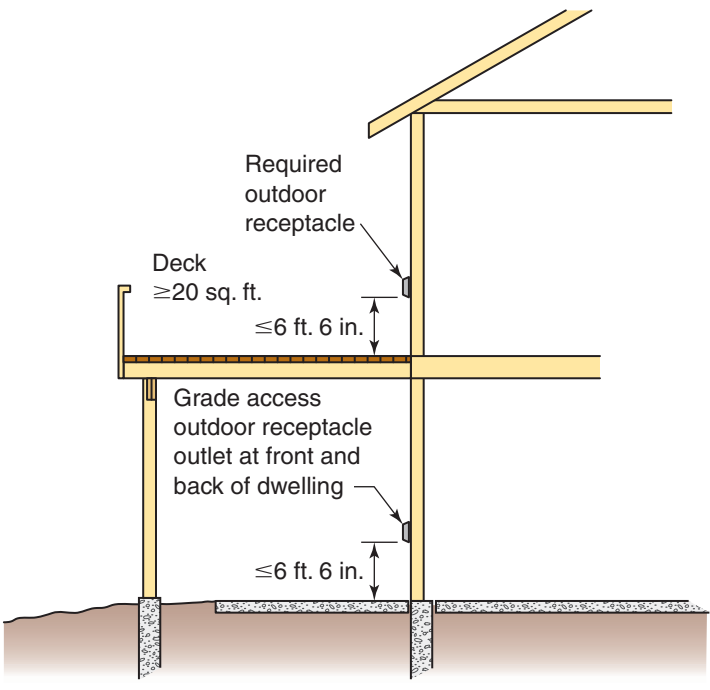


FIGURE 14-11 Outdoor receptacle outlets