

Rough Electric

- Nail guards to protect conductors as required 300.4(A)(1)
- Conductors properly secured and supported 300.11
- All branch conductors must terminate properly in outlet box- at least 6" of free conductor 300.14
- In every kitchen, family room, dining room, living room, parlor, library, den, sunroom, bedroom, recreation room, or similar room or area of dwelling, no place on unbroken wall line or railing can be more than 6' from a receptacle. 210.52(A)(1)
- Any unbroken wall line 2' or more in width must have a receptacle. 210.52(A)(2)
- One- two-family dwelling units must have an emergency disconnecting means installed in a readily accessible outdoor location on or within sight (not more than 50') of the dwelling unit 225.41
- Dedicated Equipment Space (Service equipment, panelboards)- no ducts, pipes, etc. 110.26
- Working Space for panels and HVAC disconnects 110.26, 440.14
- Open equipment doors cannot reduce path of egress to less than 24" wide and 6.5' high. 110.26
- Panels are not allowed in bathrooms, clothes closets, or over steps 240.30
- Air barrier must extend behind panels on exterior walls IECC
- Box fill limitations must be maintained to code 314.16
- Ceiling fans must have fan rated outlet boxes 314.27(C)
- Floor outlets must have approved floor rated outlet boxes 314.27(B)
- Raceways passing from the interior to the exterior of a building must be sealed 300.7
- Conductors used at the exterior of a building and buried conductors must be rated for wet locations 339.10
- Direct-buried cable, conduit, or other raceways must be installed to meet the minimum cover requirements 300.5
- Interconnected smoke and CO detectors must be installed per code NFPA 72, IRC R310
- Grounding electrode(s) & grounding electrode conductor must be installed per code 250.50
- Where concrete-encased electrode (UFER) is stubbed up, clamp on electrode must be accessible 250.68(A)
- Metal boxes must be bonded 250.148(C)
- Metal water piping must be bonded with 6 AWG copper (4 AWG aluminum). Clamp must be accessible. 250.104(A)
- Other metal piping (conductive materials) likely to become energized must be bonded with 6 AWG copper (4 AWG aluminum). Pipe must be free of paint or coating at clamp. Clamp can be indoors or outdoors but must be accessible. 250.104
- Structural steel likely to become energized must be bonded: 4 AWG copper (2 AWG aluminum)/200A; 6 AWG copper (4 AWG aluminum)/100A. Clamp must be accessible. 250.104(C)
- Yellow CSST must be bonded with 6 AWG copper (4 AWG aluminum). Clamp must be on first fitting of CSST or on black iron pipe connected to CSST. Clamp must be accessible. G2411.1
- Barrier needed between Class 2 and power conductors in outlet box for doorbell 725.136(B)
- Junction boxes cannot be concealed. They must remain accessible 314.29

Rough Electric (cont.)

- Countertops and Work Surfaces 12" or wider in kitchens, pantries, breakfast rooms, dining rooms, and similar areas must have receptacles fed by the required 20A small-appliance circuits. 210.52(B)(1), 210.52(C)(1)
- At least one receptacle shall be installed at each island and peninsular countertop space with a long dimension of 24 in. or greater and a short dimension of 12 in. or greater. 210.52(C)(2) GA Amendment
- At least one readily accessible exterior receptacle (not more than 6.5' above grade) needed at front and back of dwelling. Porches, decks, and balconies must have at least one receptacle. 210.52(E)
- Service receptacle needed within 25' of equipment (interior & exterior) 210.8(E), 210.63
- Appliance receptacle must be within 6' of intended appliance location. 210.50(C)
- Laundry area must have at least one 20A branch circuit supplying receptacle outlet(s) and no other outlets. 210.11(C)(2)
- Bathroom sink receptacle must be within 3' of outside edge of sink (210.529(D)) and on 20A circuit with no other outlets 210.11(C)(3) *see exception
- Receptacles must have proper distance from tubs & showers. 406.9(C)
- Dishwasher receptacle cannot be located behind unit. Relocate to adjacent cabinet so receptacle is readily accessible. 422.16(B)(2)(5)
- Hallways 10' or longer must have at least one receptacle 210.52(H)
- Minimum of one receptacle in each garage vehicle bay on 20A circuit(s) with no other outlets 210.11(C)(4) *see exception
- At least one receptacle needed in each separate unfinished portion of a basement, and accessory buildings with power must have at least one receptacle 210.52(G)
- Hydromassage bathtub receptacle face must be within direct view and not more than 1 ft of the access opening. 680.73
- Interior stairway with six or more risers between floor levels must have a listed wall mounted control device at each floor level and at each landing level that includes a stairway entry to control the lighting outlets 210.70(A)(2)(3)
- Closet lighting located to provide proper clearance from shelving 410.16(A)
- Basements, crawlspaces, attics must have a light where used for storage or where equipment is located. Switch or wall switch must be located at each entry. (A light must be located near equipment.) 210.70(C)
- Exterior light controlled by a listed wall-mounted control device must be installed to provide illumination on the exterior side of outdoor entrances or exits with grade-level access 210.70(A)(2)(2)
- Only one branch circuit or feeder shall supply a structure 225.30
- Garages and other detached structures must have building service disconnecting means- can be double-pole breaker backfeeding panel. Disconnect must be at a readily accessible location nearest the point of entrance of the conductors. 225.32
- Building(s) or structure(s) supplied by feeder(s) or branch circuit(s) shall have a grounding electrode or grounding electrode system installed 250.32(A) *see exception