

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
- 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
- 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
- All kitchen countertop receptacles must be fed by two or more 20A small-appliance circuits. All other receptacles in kitchen, dining room, breakfast nook, and pantry must also be on 20A small-appliance circuits with no other outlets. 210.52(B)(1)
- Receptacles must be located on or above countertop and work surface and spaced according to code 210.52(C)

Rough Electric (cont.)

- No outlets are allowed below the countertop. On islands and peninsulas, install pop-up receptacles, backsplash receptacles, or future provisions for future receptacles- provisions must include conduit, raceway, or cable that terminates in a junction box with cover 210.52(C)(2)
- At least one readily accessible exterior receptacle 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 edge of sink 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
- 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