

## Release Electric

- All panel covers must be removed
- Height of mast/bottom of drip loop and clearances for overhead service 230.9, 230.24
- Service mast strap 12" from meter then every 3'
- Conduit for underground service lateral must extend vertically downward 2' below final grade
- Conduit for underground service lateral must be fastened within 12" of meter and 6" of final grade
- Verify equipment is correctly installed and securely mounted.
- Verify grounding and bonding
- One-and two-family dwelling units (with service or supplied by a feeder) 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, 230.85
- Where service equipment is replaced on older installation, an Emergency Disconnect must be added 230.85(C)
- Only one service disconnecting means per enclosure 230.71(B)
- Line-side guards/barriers needed at service disconnect(s). 230.62(C)
- Whole-house surge protection needed. 230.67(A)
- Verify clear working space for panels and HVAC disconnects 110.26, 440.14
- Verify open equipment doors do not reduce path of egress to less than 24" wide and 6.5' high. 110.26
- Blanks needed on deadfront openings that are not used 408.7
- No paint overspray or foreign material is allowed in panel boxes, meter bases, junction boxes, or outlet boxes 110.12(B)
- Verify all conductors are properly sized for breakers at panel 210.18
- Only one grounded (neutral) conductor allowed per terminal on bus bar 408.41
- White ungrounded conductors must be reidentified with black or red paint, tape or other permanent, effective means where they terminate (breaker, disconnect, outlet, etc.). 200.7(C)(1)
- When garage panel location is in direction of vehicle travel, a bollard or curb stop must be installed in front of it to prevent physical damage from a moving vehicle. (Ensure edge of bollard or curb stop is at least 36" from front of panel.) 110.27(B)
- Where devices, fixtures, and/or appliances are not installed, conductors must terminate with wire nuts in closed electrical boxes.
- Verify code-compliant installation of receptacles, luminaires, and smoke & CO detectors
- All receptacles must be tamper-resistant (TR) 406.12 \*see exceptions
- No parts of cord-connected luminaires, chain-, cable-, or cord-suspended luminaires, lighting track, pendants, or ceiling-suspended (paddle) fans shall be located within a zone measured 3 ft horizontally and 8 ft vertically from the top of the bathtub rim or shower stall threshold. 410.10(D)
- All exterior receptacles must be rated weather-resistant (WR) 406.9
- All exterior receptacles must have covers- damp or wet (Extra-Duty) rated depending on location 406.9
- AFCI & GFCI protection must be installed per code 210.12, 210.8(A)

- GFCI protection needed for specific appliances 210.8(D)
- GFCI receptacles must be readily accessible 100, 210.8