

Storey County Community Development



110 Toll Road ~ Gold Hill Divide
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The following checklist is to be reviewed for completion by the owner/contractor prior to scheduling an inspection.

Important: Failure to complete all applicable items on this checklist may result in re-inspections, project delays, and associated re-inspection fees. This checklist is intended as a guidance tool and may not include every requirement relevant to your project.

2023 National Electric Code:

Electric Service Inspection Checklist

- 1) Confirm address & permit number.
- 2) Verify that the submitted plans accurately reflect the proposed installation size of main service panel. *(If applicable, not usually if it's an existing dwelling electric service change or upgrade).*
- 3) Verify compliance of "workspace" requirements in front of panel. NEC 110.26 (Table 110.26(A)(1))
- 4) Verify conductor size to breaker amperage. NEC 310.15
- 5) Grounded and ungrounded conductors shall be identified as such.
- 6) Verify correct installation of "Grounding Electrode System". (Grounding and bonding) be sure panels are bonded to each other and the main service panel is grounded to either ground rod or UFER ground.
- 7) Where applicable verify grounding conductor is grounded to metal EMT conduit.
- 8) Usually, grounding wire to ground rod or UFER is #4 AWG. Larger if aluminum.
- 9) All bonding components (gas & water bonding if applicable) shall be in place at the time of this inspection. NEC 250.104 B.
- 10) Verify that all finished panels & conduit are properly mounted and secured and watertight.
- 11) Verify conduit straps are within 36" of panel for PVC. 5' for ridged EMT.
- 12) Bonding Buss bar shall in place and verify continuity visually.

- 13) Verify NM cable (Romex) sheath or jacketing shall be striped back in panels but a minimum of 4" jacketing shall be in the beyond clamp.
- 14) All required AFCI & GFCI circuit breakers shall be installed at of inspection. (Where applicable / sub panels not usually service panels).
- 15) Verify no holes in panels, use approved knock outs to plug holes are the plastic spacers to fill missing breakers. Duct tape not allowed.
- 16) Labeling of all circuits shall be identified.
- 17) If a new service mast was installed, roof flashing & conduit is properly installed, mounted, and secured.
- 18) Verify that overhead conductors are not within 36" of building openings. (Windows, doors etc.)
- 19) Verify all Smoke Alarms and Carbon Monoxide Detectors are present where required and in working order. (Smoke & CO Affidavit signed by the building owner meets the above requirement).
- 20) Write up service tag and leave at meter.
- 21) If electric service inspection passes be sure to result so the electrical department gets notified.