

D. System: Electrical

1. The inspector shall observe and report on:
 - a. The exterior service entrance conductors,
 - b. The service equipment, including the main overcurrent device,
 - c. The grounding system device,
 - d. The service and distribution panels by removing the enclosure cover,
 - e. The branch circuit, overcurrent devices, and conductor capability; and
 - f. A representative number of interior and exterior receptacles.
2. The inspector shall identify:
 - a. The service as being overhead or underground,
 - b. The type of interior wiring,
 - c. The ampacity of the main service-disconnect,
 - d. The location of the service and distribution panels, and
 - e. The presence of aluminum wiring in branch circuits.
3. The inspector shall test:
 - a. The polarity and grounding of a representative number of receptacles; and
 - b. The operation of a comprehensible sample of all readily accessible ground fault circuit interrupters.
4. Exclusions: In addition to the exclusions and prohibitions found in §§ 5.22.5 and 5.22.6 of this Part, the inspector shall not be required to:
 - a. Collect engineering data on the compatibility of the overcurrent devices with the panel and/or determine the short circuit interrupting current capacity;
 - b. Determine the adequacy of the ground and/or the in-place systems to provide sufficient power to the dwelling or reflect on the sufficiency of the electric distribution system in the dwelling;
 - c. Insert any tool, probe, or testing device inside the panels;
 - d. Test or operate any overcurrent device except ground fault circuit interrupters;
 - e. Dismantle any electrical device or control other than to remove the covers of the service and distribution panels. However, the inspector is not required to remove the covers of the service and distribution panels if the panel covers are not readily accessible, if there are dangerous or adverse situations present, or when removal would damage or mar any painted surface and/or covering materials; and/or
 - f. Observe or report on:
 - (1) The quality of the conductor insulation,
 - (2) Low voltage systems, doorbells, thermostats, and/or other,
 - (3) Telephone, security alarms, cable TV, intercoms, or other ancillary wiring that is not a part of the primary electrical distribution system,
 - (4) Underground utilities, pipes, buried wires, or conduits, and
 - g. Test or operate arc fault circuit interrupters.