



# Clark County Building and Fire Prevention Field Inspection Division **FIELD INSPECTION GUIDELINE**

<b>Division:</b>	<b>Inspections</b>	<b>Policy &amp; Procedure:</b>	<b>FIG-E-010</b>
<b>Subject:</b>	<b>Quality Assurance Agency – Electrical Testing</b>	<b>Effective Date:</b>	<b>06/01/2007</b>
<b>Code:</b>	<b>2018 Clark County Building Administrative Code, Section 22.02.510</b>	<b>Revised Date:</b>	<b>10/01/2020</b>
<b>Proposed:</b>	<b>Matthew Brewer</b>	<b>Approved:</b>	<b>Sam Palmer</b>

## **Interpretation:**

Electrical testing shall be performed by an approved agency listed by Clark County.

- Testing shall include, but is not limited to: ground resistance tests, hi-pot testing of insulation, ground-fault protection system testing, and meg-ohm testing. Such testing shall be deemed Special Inspection and performed by approved Special Inspectors as required by CCBAC 22.02.510
- Plans Exam may determine upon review of plans prior to permit issue that electrical testing will be required and stipulated the electrical QAA (EQAA) requirement.
  - The testing is required for services that are 1000-amps or more, per 230.95 and 230.95 (C).
  - This would be on 480-volt services (solidly grounded wye electric services of more than 150-volts to ground (277/480) but NOT exceeding 1000-volts phase to phase (parent language in 230.95).
- Electrical testing that becomes necessary during the course of construction shall be identified by the electrical inspector. The electrical inspector shall require the owner, or owner's representative, to return to Plans Exam to obtain an EQAA contract.
- Upon completion of field testing, a field inspection/testing report shall be left at the job site indicating the testing performed, test date, inspector, and results of the inspection. A field report indicating approval of the required inspection/testing will allow the electrical inspector to proceed with routine requested inspections.
- The electrical inspector shall monitor that the testing has been performed and reported as approved at the appropriate time(s) during the construction and inspection processes.
- A final EQAA report shall be submitted to the Inspection Special Assignment group. Acceptance of the report by the Inspection Special Assignment group will result in an approved entry of the required clearance for the EQAA.