



Clark County Department of Building & Fire Prevention

Building Division – Inspection Services

Field Inspection Guideline

SUBJECT: Inspections Per Engineered Plans

FIG-E-013

Effective Date: January 4, 2007

Revised: May 18, 2014

Approved By: BAT

Code Chapter: 2011 NEC Sec. 90.1 (B)

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Interpretation: Engineered plans shall take precedence over minimum code requirements.

Field Application: The following policies will be adhered to with their accompanying procedures, when inspecting to a plan that is stamped and signed by a Nevada registered engineer or licensed contractor:

- **Depth:** The depth shall be required to meet minimum code requirements or the depth required on the approved plans, whichever is most restrictive.
- **Conduit and Conductors:** Material changes from the approved plans shall require an approved plan change.

Exception: PVC conduit may be changed or upgraded from schedule 40 to schedule 80.

Size changes from approved engineered plans shall require an approved plan change when the size is decreased. No approval is required when the size is increased.

Routing of conduits or conductors shall be the responsibility of the design professional and the installer and will not require a plan change, provided the electrical load does not change.

- **Services, Panels and Transformers:** Services, panels and transformers changed from the approved plans shall require an approved plan change.
- **Circuits:** The addition of minor circuit loads which clearly do not exceed the panel or service calculated load shall not require an approved plan change. If it is suspected that the panel or service may exceed their capacity, an approved plan change will be required.
- **Fixtures and Appliances:** Fixture and appliance changes from the approved plans will be the responsibility of the design professional and the installer and will not require approval provided the electrical load does not change.
- **Location of Equipment:** On engineered plans, changes in equipment location shall require an approved plan change. For non-engineered plans, equipment location changes shall not require a plan change provided the location is in compliance with minimum code requirements.

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- **Notes:** Any items not listed or referenced shall be inspected in accordance with the requirements of the National Electrical Code. Details on the approved plans shall take precedence over the general plan notes.

Revision History:

Reference #	Title	Effective Date	Revised	Reviewed
FIG-E-013	Inspections Per Engineered Plans	January 4, 2007		May 23, 2013
FIG-E-013	Inspections Per Engineered Plans		May 18, 2014	