

MONTGOMERY COUNTY BUILDING REGULATIONS DIVISION

CODE ENFORCEMENT POLICY

Issued: August 2005
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Chief Building Official

Effective: Immediately

When: This procedure is applicable to all new construction Building Permits applied for after September 1, 2005, also, all other electrical permits obtained under the 2005 National Electrical Code.

Code Issue: National Electrical Code Article 250.50 & 250.52(A)(3).

Why: According to article 250.52(A)(3), when ½" diameter or larger rebar, in lengths equal to or greater than 20' are present, they shall be bonded to the grounding electrode system by means of a bare copper conductor not smaller than #4 awg.

Procedure: The building inspector shall conduct the inspection of the installation of the bonding conductor at the time of the footing inspection. A "Grounding Approved" tag, furnished by Montgomery County, with the job address, date, and inspector's name will be attached to the approved bonding wire or re-bar for identification. The electrical inspector will look for the tag during the service inspection to make sure the electrical system is grounded in an approved manner.

Missed

Inspection: If the drawings call for rebar that meets the requirements of the '05 NEC, and no inspection was conducted to verify the proper grounding was installed in the concrete, the following requirements will be required:

First Offense:

1. Pay missed inspection penalty fee
2. Show proof of ground wire entering footer
3. If no ground was installed a ground rod will be required

Second Offense:

1. Pay missed inspection penalty fee plus pay for one additional inspection
2. Expose re-bar in footing, install #4 ground wire, schedule inspection, install dowel pins and replace concrete
3. 2nd Option – dig additional spread footer beside existing footer, install re-bar (that meets requirements) with ground wire, dowel pin additional footing to existing footing schedule inspection, concrete encase.