

# STANDARD OPERATING POLICY AND PROCEDURE

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Subject:	Grounding Electrode System (UFER)		Approval Date: May 17, 2007
Approval:	Chuck	King, Building Official	Effective Date: May 17, 2007

## 1.0 PURPOSE

Provides an installation method utilizing a concrete encased electrode system (UFER).

## 2.0 DISTRIBUTION

Public, Community and Economic Development (CED) Personnel

## 3.0 REVISION HISTORY

February, 2016 January, 2019 (code update)

## 4.0 CODE REFERENCE

2018 International Residential Code (IRC) Section E3608.1.2; 2017 National Electrical Code (NEC), Article 250.52(A)(3)

## 5.0 POLICY

When a concrete encased electrode (UFER) is used, the installation requires that the conductor be attached to a twenty foot section of reinforcing steel embedded in the foundation. Due to issues related to copper theft and the potential for damaging the grounding conductor, the following method of installation may be used:

The twenty foot section of reinforcing steel may be bent upward and extend out of the foundation, terminating three (3) to six (6) inches above the foundation. When installed, the grounding conductor shall be secured to the reinforcing steel be by use of a listed irreversible connector, and extended to the electrical service entrance panel. A listed fitting that is not irreversible may be used if the point of connection is readily accessible by means of a minimum four (4) inch square access opening.