

UFER Ground Installation

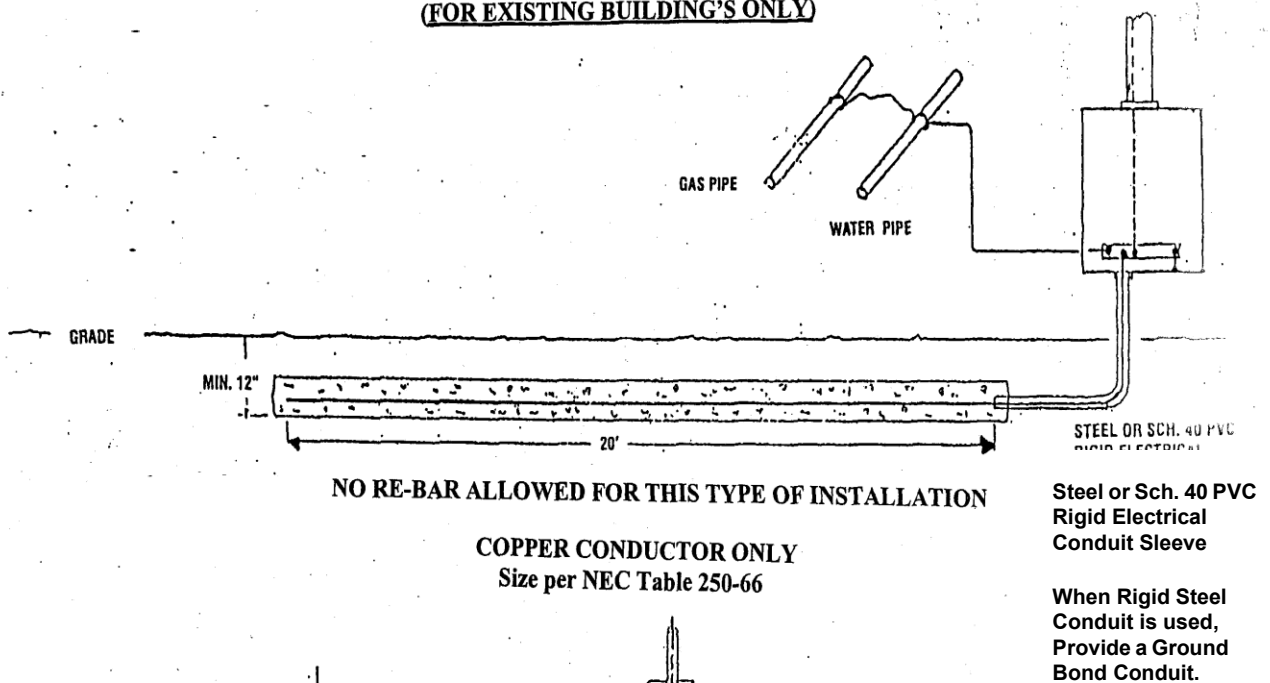
General Notes:

1. The installation of the UFER shall be as described in 2022 CEC 250.52(A)(3).
2. When (the minimum) ½" rebar is used and is bent vertically at 90 degrees and exits the top of the footing, a minimum of 8" rebar above the footing is required to allow for connection to the grounding electrode conductor.
3. The electrode (#4 copper or ½" rebar) shall be incased in 2" of concrete for a minimum of 20'.
4. The UFER can be secured with standard tie wires to the structural steel located at the lower portion of the footing. This may be necessary to attain the 20' of concrete encasement required.
5. If the building is designed with a post tension slab, a 21' trench at the edge of the slab at least 6" below grade shall be made available for the replacement of an adequately supported electrode that will allow for 2" concrete encasement. The electrode can be suspended by tie wires or supported by concrete dobies. The use of steel stakes to support the electrode will not be accepted.

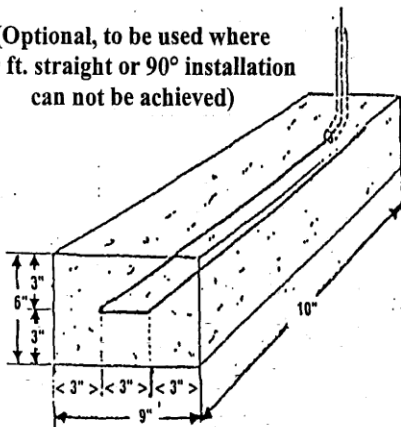
Approved Methods of Support and Installation

UFER GROUND INSTALLATION OUTSIDE OF FOUNDATION

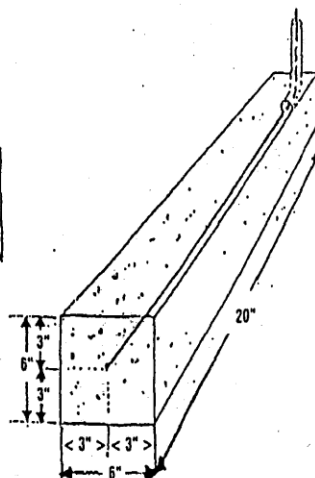
(FOR EXISTING BUILDING'S ONLY)



(Optional, to be used where
20 ft. straight or 90° installation
can not be achieved)

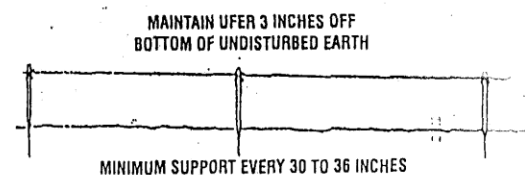


20 FT. LONG UFER
IN 10 FT. U - SHAPE



20 FT. LONG UFER

(Typical)



ufcr2.cdr/traab/12-v7
Rev. GMC 9-03