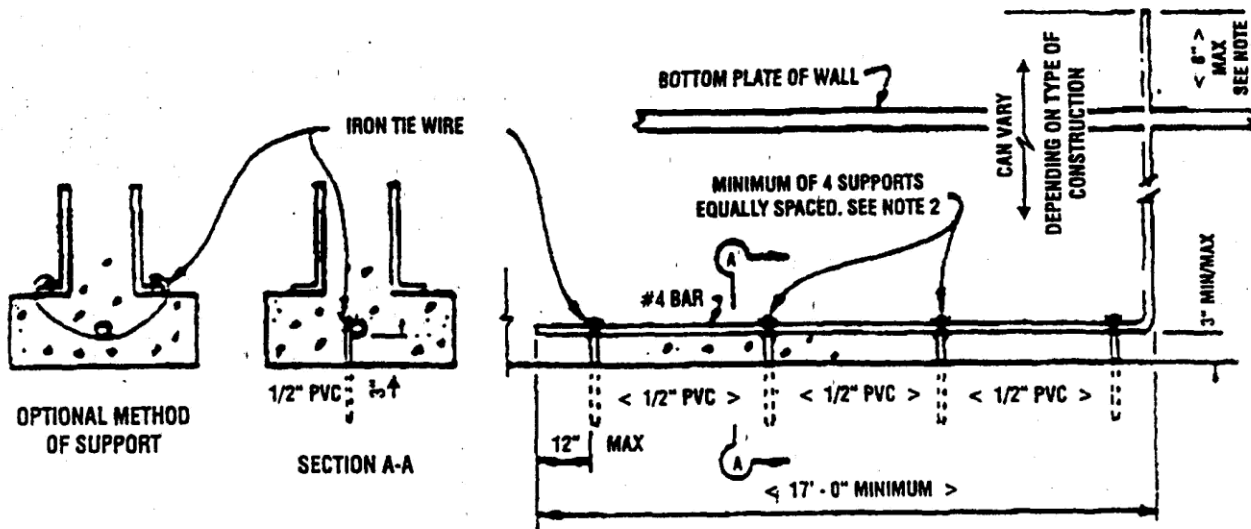


UFER Ground Installation

When using #4 (½ inch) Re-bar, the following **minimums** shall be followed:

1. 17 feet of Re-bar horizontally in bottom of footing.
2. Installed at center of footing and 3" from bottom.
3. Minimum of 4 substantial supports – equally spaced with Re-bar not to extend at either end more than 12".

Approved Methods of Support and Installation

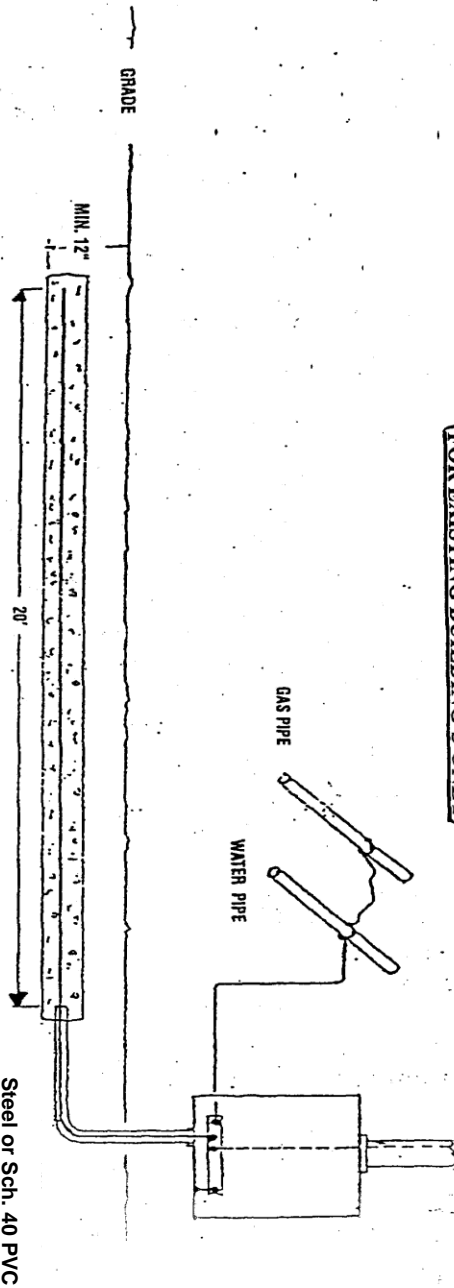


General Notes

1. UFER ground electrode shall be properly supported to insure proper placement while concrete is being poured.
2. Re-bar Stakes may be used for support of UFER only when steel is sleeved /enclosed with a piece of PVC conduit.
3. Re-bar shall be clean and free of foreign material to enable maximum conductivity. (System good for Max. 200 amp service.
4. A maximum of 8" of Re-bar to extend above plate.
5. When using #4 AWG bare copper conductor, the conductor shall be supported every 30" or less and be properly tensioned to prevent sag when pouring concrete. A minimum of 3" of concrete encasement twenty feet long shall prevail.

UFER GROUND INSTALLATION OUTSIDE OF FOUNDATION

(FOR EXISTING BUILDING'S ONLY)

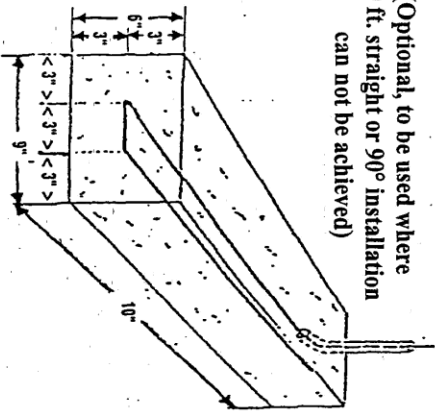


NO RE-BAR ALLOWED FOR THIS TYPE OF INSTALLATION

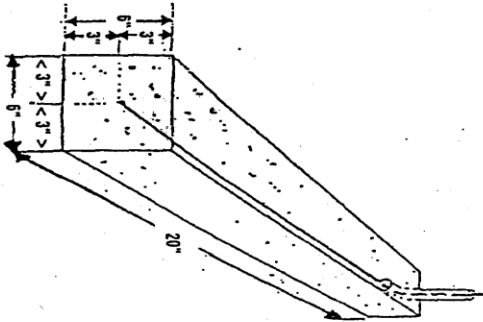
COPPER CONDUCTOR ONLY
Size per NEC Table 250-66

Steel or Sch. 40 PVC Rigid Electrical Conduit Sleeve
When Rigid Steel Conduit is used, Provide a Ground Bond Conduit.

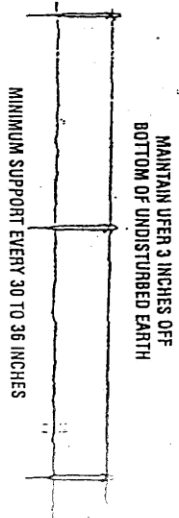
(Optional, to be used where 20 ft. straight or 90° installation can not be achieved)



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



20 FT. LONG UFER (Typical)



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