

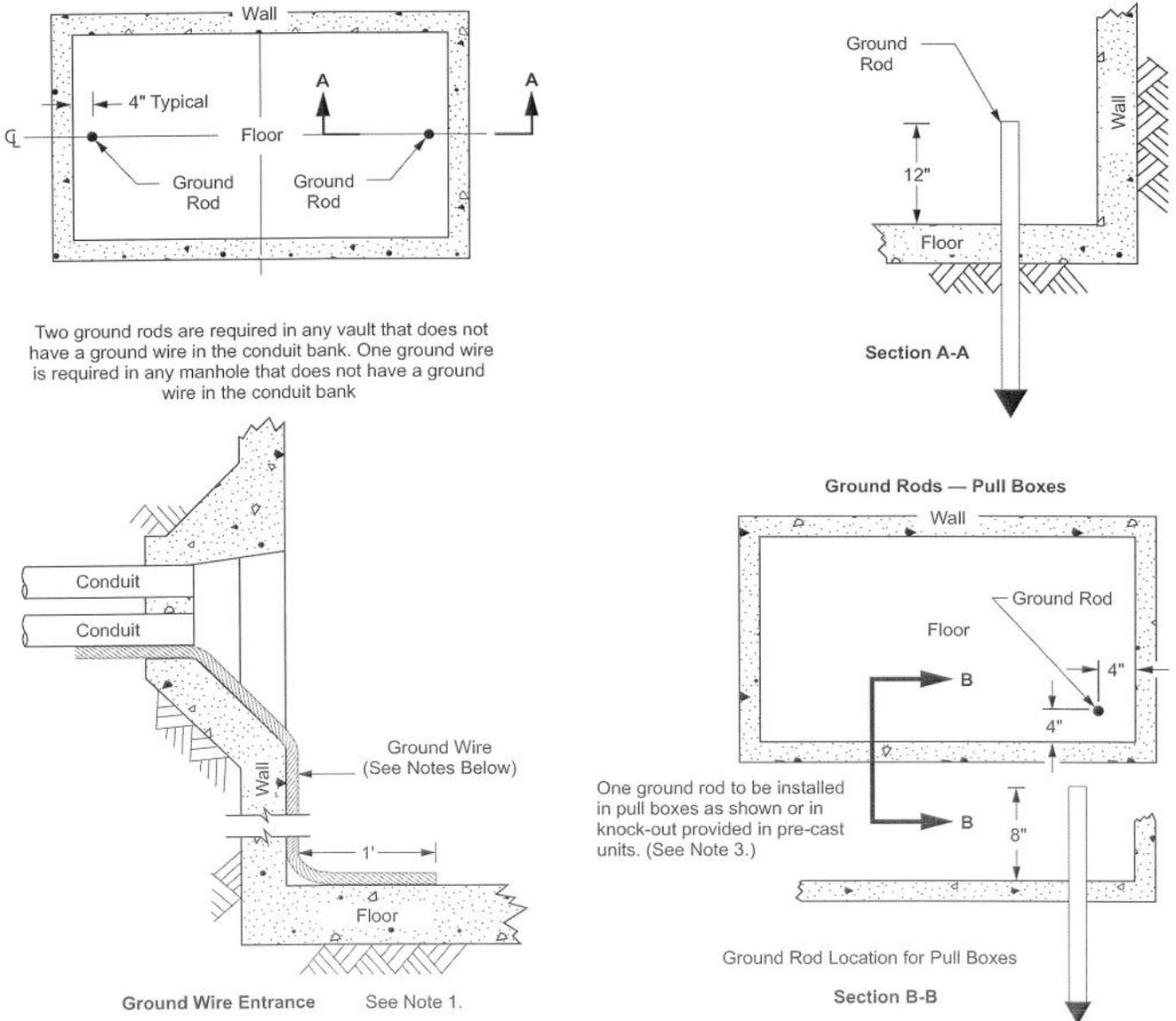
**AC 700 Ground Rod — Ground Wires**

**Scope AC 700.1 Ground Rod — Ground Wires**

Precast tunnel-style vaults (7' x 8' and 8' x 9'-4") are furnished with two one-half-inch bronze grounding inserts on each end section. Other styles (stacked and so on) of precast vaults and manholes are normally furnished with grounding bars (two per vault/one per manhole). Grounding bars are five-eighths-inch (minimum diameter) copperclad steel bars. Both the grounding inserts and bars are welded to the reinforcing mats of the structures. No ground rods are required where grounding inserts or bars are present.

Where grounding inserts or bars are not present (and in field-poured structures), install 5/8" x 8' copperclad steel ground rods as shown in Figure AC 700-1 (Sheet 1).

**Figure AC 700-1: Ground Rod Location for Vaults and Manholes**



Two ground rods are required in any vault that does not have a ground wire in the conduit bank. One ground wire is required in any manhole that does not have a ground wire in the conduit bank

Ground Wire Entrance See Note 1.

One ground rod to be installed in pull boxes as shown or in knock-out provided in pre-cast units. (See Note 3.)

Approved by:

*PHH*

**Ground Rod — Ground Wires**

Effective Date:

10-28-2005

**What's Changed?**

**AC 700**

Sheet 1 of 2

**UGS**