

Electrolytic Grounding System Specification Insert

PART 2 MATERIALS

2.01 ELECTRODES

A. Electrolytic Ground Rods

1. Ground Rods shall be a self-contained system consisting of a 10-foot vertical copper tube with drilled holes, containing non-hazardous Calsolyte® salts. Systems shall be permanently capped at the top and bottom ends. All Electrical connections to the ground rods shall be made via exothermic welding. All cables shall be copper. Backfill material shall be natural volcanic non-corrosive form of Bentonite, free of polymer sealants and bear the NSF mark. Backfill shall have maximum resistivity of 60 ohm-cm at 30% solids density and be near neutral pH.
2. System shall be UL listed.
3. System shall include a 30-year minimum warranty with 50-year life expectancy.
4. System access from grade shall incorporate the use of a composite Fibrelyte inspection box (test well) model XB12-F load rated for incidental traffic. Box shall be installed flush with finished grade.
5. Manufacturers:
 - a. Lyncole XIT Grounding - K2-10CS4/0 or K2L-10CS4/0 800-962-2610
 - b. Or Approved Equal