



- Reduced Downtime
- Better Surge Protection
- Meet Resistance Targets

Telecom & Broadcast

Enhanced asset reliability

The Risk

- Lost time and revenue caused by equipment and infrastructure damage because of lightning strikes and AC power main ground fault currents.
- Noise and electrical interference caused by improper grounding practices and shared systems whose individual grounding systems may conflict with each other thus producing a degraded signal quality or costly service interruption.
- Safety of onsite personnel and corporate liability exposure.

The Solution

A systematic approach to the development of a grounding system specifically designed to protect the asset from electrical damage. A system that delivers uninterrupted service through normal operations while also ensuring protection against lightning surges or other energy anomalies.



SAE uses various ground enhancement materials that prevent corrosion and ensure proper grounding can be achieved in the most difficult types of terrain.

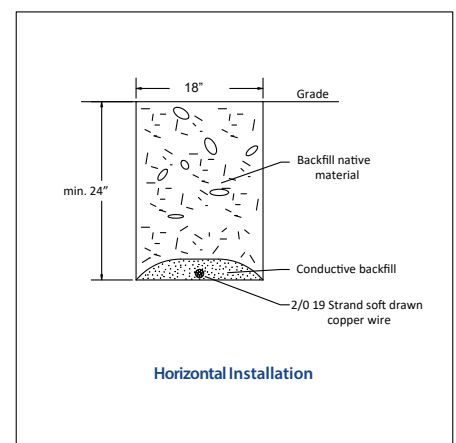
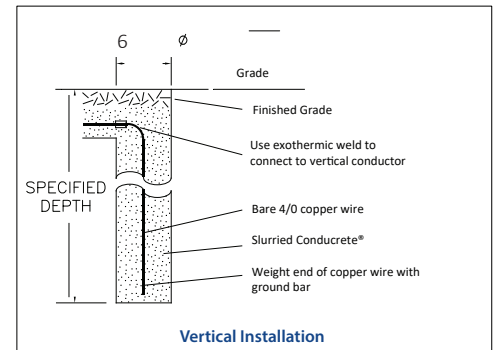
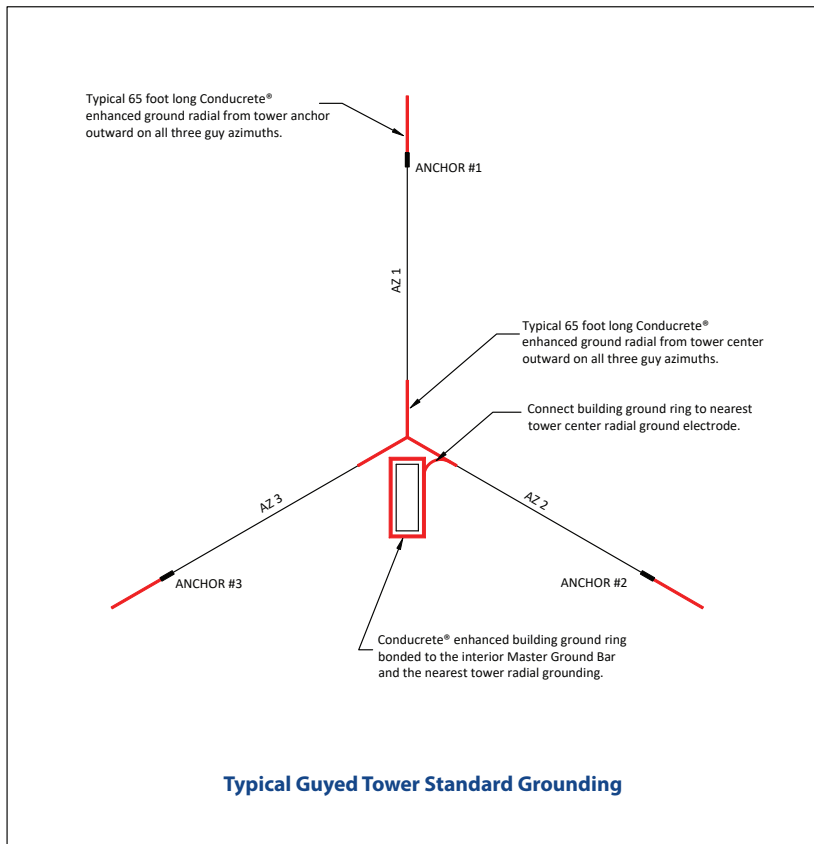


What makes SAE's approach to grounding better than traditional grounding systems?

An SAE grounding system is designed with both resistance and impedance in mind. It will successfully mitigate the risk of equipment damage by quickly and efficiently dissipating surge energy. SAE designs telecommunication tower grounding systems to meet or exceed industry standards and **lower surge impedance, decrease ground resistance, protect equipment, eliminate corrosion and prohibit theft.**

Testing & Design

Soil resistivity testing is completed to accurately model the soil where the grounding system will be installed. With site specific information, SAE is able to design a grounding system that will ensure the desired results are obtained.



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