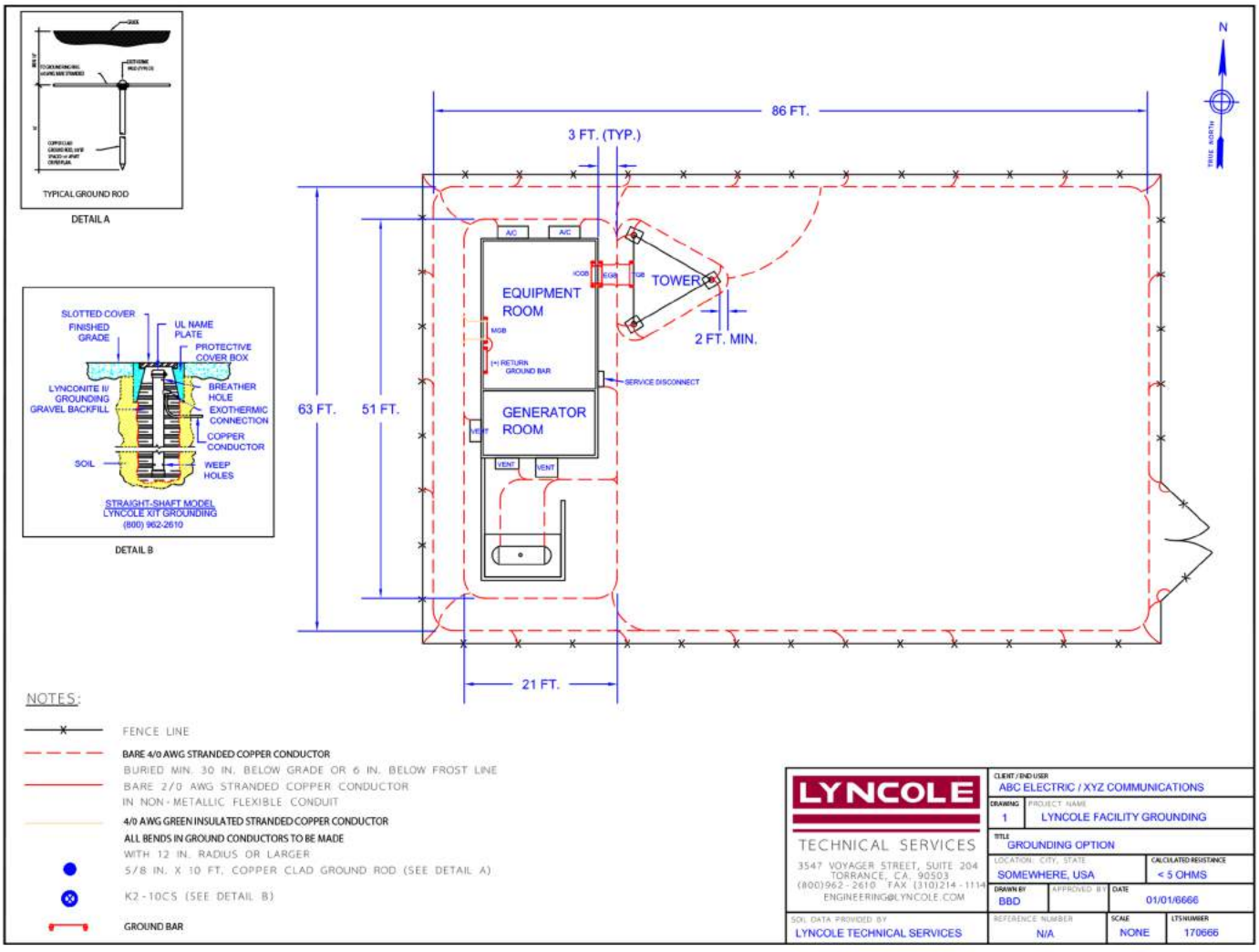
Why Use Lyncole Engineering Services

Lyncole has the most experienced staff in the industry on providing Grounding, Lightning Protection, Surge Suppression and Lightning Warning Protection. Our Total Site and Facility Protection approach is your best insurance in protection of your structures and equipment. No matter what your challenge is, Lyncole can provide a scientific approach to its protection. Our services, described below, are site specific and priced according to the project. Our account managers can work with you to determine specific needs and costs associated with your project. With over 30 years of experience along with special tools that we utilize, we provide you with proven results.



Grounding System Design

Grounding system designs are the foundation of a well-protected facility and they need to be done scientifically. We utilize a modulated computer based calculation program that takes the results of Four-Point Soil Resistivity Tests and creates a multi-layered soil model. Our engineers then create a three dimensional representation of the grounding system which the computer combines with the layered soil model to predetermine the achieved resistance to earth. The results of these calculations help us in defining the proper design for the target resistance with the site's considerations. As shown in the diagrams above, the result is a design based upon science, not estimation.

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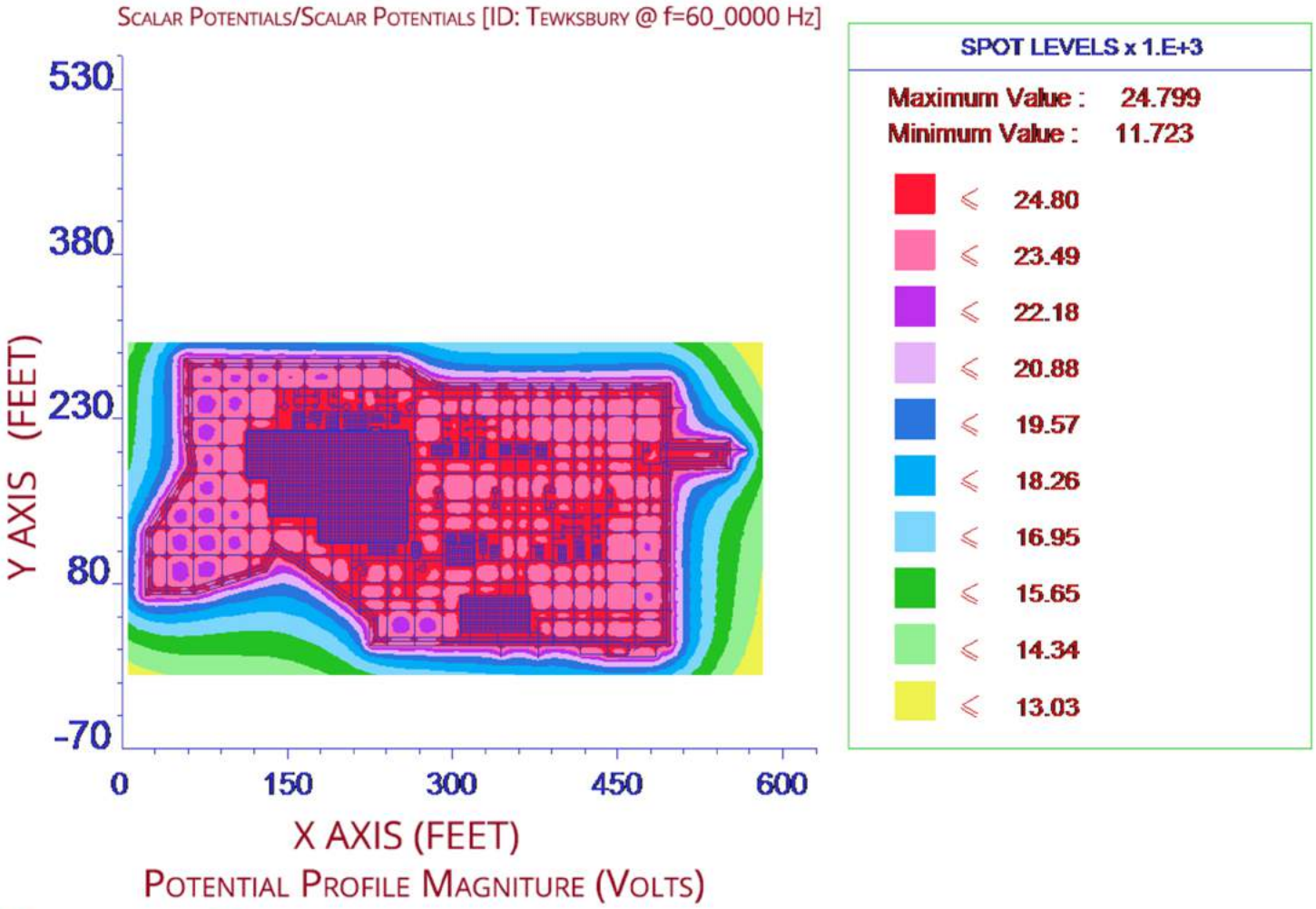
Grounding System Testing & GPR Studies

Lyncole's engineering team utilizes state of the art testing equipment to test grounding systems around the world. Understanding the benefits and draw-backs of both the Fall-of-Potential and Clamp-on tests, our engineers evaluate the grounding system to determine the most accurate method of testing. Lyncole also performs GPR studies for clients when they are installing a facility grounding system in or near a high voltage environment. These studies use the fault clearing times, available fault current, grounding system resistance to earth, and other factors to calculate the 300-volt line and step/touch potentials. A detailed report with charts depicting the site characteristics are included.



Facility Surveys

Lyncole's engineers use the National Electrical Code, NFPA 780, Motorola R-56, Telcordia, and client specific standards to perform a wide range of site and facility surveys. These surveys include reviews of lightning protection by our LPI certified engineers, AC and DC surge protection, electrical systems, inside/outside plant grounding as well as power quality audits. The client is provided with a detailed report consisting of observations and recommendations, explanatory photographs, field test data, Auto CAD drawings, and a grounding system design if necessary. Many of our customers hire Lyncole to either supervise their maintenance crews or bring in experienced contractors to make the recommended changes.

Contact Us Today to Learn More!

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