

Lightning Protection Installation Training

Course By: Mark S. Harger
President/Owner of Harger Lightning & Grounding
301 Ziegler Drive
Grayslake, IL 60030
Phone: 800.842.7437 or 847.548.8700
Website: www.harger.com

Number of Participants: Up to maximum of 25

Number of Course Hours: 12

Course/Presentation Description:

To review lightning protection design and installation requirements compliant with nationally recognized standards NFPA 780 and UL 96A.

Section 1: Introduction to Lightning Protection = Definition of a lightning protection system and its four main components, Relevant Standards, Materials, UL Markings, Corrosion Protection

Section 2: Ground Work = Ground work aspect of a lightning protection system, Key Definitions, Requirements, System Components, Suggested Tools and Critical Points

Section 3: Down Conductors & Bonding = Down conductors and related bonding aspects of a lightning protection system, Key Definitions and Requirements, Techniques and Installation Practices, Critical Points

Section 4: Rooftops = Roof Types, Zone of Protection, Components used on rooftops, Suggested Tools, Critical Points

Section 5: Concealed Systems = Concealed Systems Installation Guidelines, Structural Steel Systems Installation Guidelines

Section 6: Bonding Requirements & Potential Equalization = Bonding of Metal Bodies, Potential Equalization

Section 7: Surge Protection Devices = Definitions, Power Service Entrances Requirements, Communications Surge Protection Requirements, Installation Requirements

Section 8: Project Management = Bidding Process, Submittal Process, Installation, Certification Process, Maintenance Programs

Section 9: UL Listed LP Installer = What it means to be a UL Listed Installer, UL Master Label Certificate, How to Become a UL Listed Installer, Requirements, Fees, Benefits to Using Harger