

SECTION 264100 – LIGHTNING PROTECTION SYSTEMS

- 1.0 A lightning protection system that is in compliance with NFPA 780 and UL 96 shall be considered for each new or renovated building. Alternative systems that are not in complete compliance with NFPA 780 and UL 96 shall not be considered. The design professional shall review the building and surrounding structures to ascertain the requirements for such a system using NFPA 780 risk assessment calculation and shall coordinate the determination of risk and loss factors with the University Engineering Department.
- 2.0 Any proposed new or modified lightning protection system shall meet the applicable requirements of NFPA 780 and the UL Inspection Certificate Program. The final installation shall meet the requirements of and shall be certified as a UL 96A Master Label System.
- 3.0 The design professional shall produce drawing(s) that define air terminal locations, approximate locations of conductor runs, locations of down-conductors, grounding, etc. Construction documents shall require final drawings to be produced by the installer, that confirm all air terminal locations, material selections, connection details, etc. Air terminal locations shall be reviewed by the project architect to ensure that locations chosen are coordinated to the greatest extent possible with the architectural elements of the building.
- 4.0 All air terminals, conductors, electrodes, grounding materials, etc. shall be copper. Care shall be taken to ensure that the copper components will not come in direct contact with aluminum building materials. Components and materials used in the lightning protection system shall be tested and listed to the requirements of UL 96.
- 5.0 The installation shall be performed under the direct supervision of a L.P.I. (Lightning Protection Institute) certified “Master Installer”.
- 6.0 The lightning protection installation, including all support materials, shall be compatible with all building materials it comes into contact with. No combination of materials shall be used that form an electrolytic couple of such a nature that corrosion is accelerated in the presence of moisture. If contact between dissimilar metals is unavoidable provide waterproof seals so that moisture is permanently excluded from the junction of such metals. All embedded, buried, or otherwise inaccessible connections shall be made using listed exothermic weld kits.
- 7.0 Approved Manufacturers:
 - A. Warren Lighting Rod Co.
 - B. Hanger Lighting Protection Co.
 - C. Healy Bros. Lighting Protection Co.