Electrical

Arora's electrical engineers design safe, reliable and efficient electrical systems to power everything from mission-critical systems to charging your smartphone. Arora's lighting designers work in concert with architects to provide lighting that complements the context of the space.

Key Services

+ Overhead/underground low and medium voltage power distribution
+ Emergency and standby power systems (generator & UPS)
+ Lighting design and photometrics (normal/emergency/egress lighting)
+ Utility and commercial substation/switchgear
+ Grounding and lightning protection
+ Single-line diagrams
+ Load calculations
+ Short circuit and coordination studies
+ Power and lighting equipment selection and specifications
+ Motor control centers
+ Electrical equipment sizing
+ Energy efficient systems
+ Electrical code analysis and consulting
+ Electrical system assessments and equipment evaluations
+ Electrical plan review and master plan development
+ Coordination with utility companies and AHJs

Representative Clients

+ Massachusetts Bay Transportation Authority
+ Boston Logan International Airport
+ Reagan National Airport
+ Baltimore-Washington International Airport
+ Philadelphia International Airport
+ Cheyney University
+ Philadelphia, Streets Department
+ Southeastern Pennsylvania Transportation Authority
+ Port Authority of NY & New Jersey
+ City of Philadelphia, Department of Public Property
+ School District of Philadelphia