

SECTION 16020  
WORK INCLUDED

## PART 1 GENERAL

## 1.1 DESCRIPTION OF SYSTEMS

- A. The work required under this Division shall include all materials, labor and auxiliaries required to install, start up and test a complete and properly operating electrical system. The electrical systems required under this Division consists basically of, but are not limited to, the following:
- B. Underground feeders from utility company equipment to main switchgear, including necessary risers, etc. Refer to Section 02310 – Earthwork, for all underground installations.
- C. Main switchboard and distribution panels.
- D. A complete emergency electric generating system and automatic transfer switches (life safety and equipment branch/optional branch) including all peripheral components required for a fully working system.
- E. Complete distribution system for lighting including the necessary feeders, branch circuits, lighting fixtures, control switches and receptacles.
- F. Complete distribution system for power including feeders, branch circuits, convenience outlets and connections to motors and other power loads.
- G. A complete electric service ground system and special grounds as required or noted.
- H. Connecting motors and manual control (unless otherwise specified).
- I. Complete exit lighting system.
- J. Complete emergency lighting system.
- K. Complete system of empty raceways, cabinets, and terminal boards for data and communication systems.
- L. Complete system of electrical distribution including receptacles, non-linear panels and transformers, grounding for computers.
- M. Complete ITV television system, including all distribution equipment, cables, and master antenna.
- N. Complete intercom and public address system.
- O. Complete system of surge suppression devices.
- P. Complete system of lightning protection system.
- Q. Complete fire alarm system.
- R. Complete power distribution system for HVAC equipment including wiring, conduits, and disconnect switches.
- S. Complete system of empty raceways and terminal cabinets for security and intrusion alarm systems, video surveillance system, card access system and emergency radio communications systems.
- T. Complete system of empty raceways and terminal cabinets and power requirements for EMCS (Energy Management and Control System).
- U. Furnishing and installing all necessary access panels.
- V. Concrete work for pad mounted equipment, or encased raceways.
- W. Firestopping of your work.
- X. Painting (of special equipment).
- Y. Temporary power.
- Z. Coordination and verification of power and Telephone Company service requirement prior to bid. Bid to include all work required.
- AA. Contractor shall check site and existing conditions thoroughly before bidding. Advise Architect of discrepancies or questions noted.

END OF SECTION