

SECTION 260100 - BASIC ELECTRICAL REQUIREMENTS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. The scope of work for Division 26 shall include the scope indicated on drawings and in the specifications for Division 26 and Division 28.
- B. Alternates: Refer to Division 1 to determine extent of, if any, work of this section that will be affected by any alternates if accepted.
- C. Furnish all materials, equipment, labor, and supplies and perform all operations necessary to complete the electrical work in accordance with the intent of the drawings and these specifications.
- D. Permits, Fees, and Inspections:
 - 1. Secure and pay for all permits, fees, licenses, inspections, etc., required for the work under Division 26 and 28.
 - 2. Schedule and pay for all legally required inspections and cooperate with inspecting officers.
 - 3. Provide Certificates of Inspection and Approval from all regulatory authorities having jurisdiction.
- E. Drawings:
 - 1. Do not scale the drawings. The general location of the apparatus and the details of the work are shown on the drawings, which form a part of this specification. Exact locations are to be determined at the building as the work progresses, and shall be subject to the Architect/Engineer's approval. Actual field conditions shall govern all dimensions.
 - 2. Anything shown on the drawings and not mentioned in the specifications or vice versa shall be provided as if it were both shown and specified.
 - 3. It is not intended that the drawings shall show every wire, device, fitting, conduit or appliance, but it shall be a requirement to furnish without additional expense, all material and labor necessary to complete the systems in accordance with applicable codes and the best practice of the trade.

PART 2 - EXECUTION

2.1 INSTALLATION

- A. General:
 - 1. All work shall be in accordance with the National Electrical Code's requirements as amended to date, with the local electric utility company's rules, the Fire Underwriter's requirements, and all local, state and federal laws and regulations.
 - 2. In general, all wiring in finished areas shall be concealed in walls or above ceilings. Where wiring cannot be concealed due to existing construction, exposed wiring shall be installed in conduit or

- surface metal raceway. Exposed wiring shall not be installed in finished areas without prior written authorization from the Architect.
3. Conduits shall be of sizes required by the National Electrical Code. Exposed conduits shall be installed with runs parallel or perpendicular to walls and ceiling, with right-angle turns consisting of bends, fittings, or outlet boxes. No wire shall be installed until work that might cause damage to wires or conduits has been completed. Conduits shall be thoroughly cleaned of water or other foreign matter before wire is installed.
 4. Where conduits, wireways and other electrical raceways pass through fire partitions, fire walls, or floor, install a fire-stop that provides an effective barrier against the spread of fire, smoke and gases. Fire-stop material shall be packed tight and completely fill clearances between raceways and openings. Floor, exterior wall, and roof seals shall also be made watertight.
 5. Where raceways puncture roof, coordinate with Division 7.

END OF SECTION 260100