

SECTION 16500 - LIGHTING

PART I - GENERAL

1.01 DESCRIPTION

- A. Section 01010 Summary of work and Section 16050, Basic Electrical Materials and Methods, shall be considered part of these specifications.
- B. The electrical contractor shall furnish and install a complete lighting system consisting of, but not limited to, fixtures complete with ballasts, lamps, sockets, auxiliaries, and electrical wiring.
- C. The electrical contractor shall furnish all labor and materials required to install all lighting fixtures including those furnished by others.
- D. Fixture Labels: U.L. listed and labels I.B.E.W.-A.F. of L.
- E. No substitution of light fixtures will be accepted.
- F. Outdoor Lighting - Building and Parking Areas: Provide 5.0 maintained average foot candle level with an average to minimum uniformity ratio of 3:1. Submit computer calculations showing conformance (point-by-point, 10 feet on center) for both new and existing buildings. Refer to photometric plan provided in civil drawings.

1.02 SUBMITTALS

- A. This contractor shall submit to Walgreen Co. product data for all light fixtures before starting work.

1.03 GUARANTEE

- A. Provide a one (1) year guarantee against mechanical defects in manufacture.

PART II - PRODUCTS

2.01 LIGHT FIXTURES

- A. Light fixtures shall be as listed on the lighting fixture schedule.
- B. Lamps shall be as listed on the lighting fixture schedule.

PART III - EXECUTION

3.01 INSTALLATION

- A. Install lighting fixtures and accessories in accordance with the manufacturers' instructions. See section 09510, Part III, paragraph 3.02.B.
- B. Exit Lights and Emergency Lighting System: Furnish and install a complete emergency lighting and/or exit lighting system. System and provisions shall comply with local requirements and codes.
- C. Exterior Signs:
  - 1. Exterior signs shall be furnished and installed by Walgreen Co. sign contractor, who shall make final connections to same.

2. The electrical contractor shall provide outlets from Walgreen Co. sign panel, "LP-SP," to the exterior face of the building or canopy for exterior signage.

D. Pylon Sign: The electrical contractor shall furnish and install electrical requirements to the base of pylon sign from Walgreen Co. sign panel, "LP-SP," for lighting required, and from separate panel for pylon reader board.

### 3.02 TESTING

A. Any lighting fixture furnished under this contract, if grounded or shorted, shall be removed and the trouble rectified by replacing all defective parts of materials as directed. The system shall be tested for shorts and grounds. All hot wires, if shorted or grounded, shall be removed and replaced if trouble is within circuit.

END OF SECTION