

## Montgomery County Public Schools Facilities Guide

### DIVISION 16 – ELECTRICAL

#### **SECTION 16530 EXTERIOR LIGHTING**

##### **PART 1 – GENERAL**

- A. Exterior Lighting: Consultants are directed to utilize Montgomery County Board of Education guidelines for Average Illumination Levels (FC)/Max LPD (Watts/sq. ft.) for all lighting application. See Standard Detail E-20.0 for Exterior Lighting on the following pages.
- B. Standard Lighting Fixtures:
  - 1. Pole Lights: 250 watt high pressure sodium, rectangular box type. Vertical lamp, Dark Sky approved, 100% cutoff type fixture with a 20 foot high, 4" round aluminum pole, bronze finish. Acceptable manufacturers': Quality Lighting, Kim Lighting, Gardco Lighting. See Fixture Standard cut sheets on the following pages.
  - 2. Concrete Pole Base: See Standard Detail E-15 on the following pages
  - 3. Security Lighting: 100 watt high pressure sodium, exterior wall mounted at First Floor ceiling slab elevation. Dark Sky approved, 100% cutoff type fixture. Acceptable manufacturers': Invue Lighting, Security Lighting, Voight Lighting See Fixture Standard cut sheets on the following pages.
- C Exterior lighting controls
  - 1. Parking lot lighting shall be wired and controlled separately from exterior building security lights.
  - 2. Time controls shall be by Paragon EL-72 electronic time clock with two circuits. One circuit controls the parking lot lights and the other circuit controls the security lights. No substitutes.
- D. Stadium lighting (for High Schools only) - All stadium lighting to be controlled from panelboard located in concession stand. Acceptable manufacturers': Musco Lighting, Qualite, Trilight Lighting and Sportlight Lighting. Coordinate design and selection of lighting fixtures with MCPS.