# SECTION 26 27 01

# ELECTRICAL SERVICE ENTRANCE

## PART 1 GENERAL

### 1.01 SECTION INCLUDES

A. Service racks.

B. Metering transformer cabinets.

C. Meter bases.

### 1.02 RELATED REQUIREMENTS

A. Section 26 24 13 - Switchboards: Metering transformer compartment.

### 1.03 REFERENCE STANDARDS

A. NECA 1 - Standard for Good Workmanship in Electrical Construction; National Electrical Contractors Association.

B. NFPA 70 - National Electrical Code; National Fire Protection Association.

### 1.04 SYSTEM DESCRIPTION

A. System Characteristics: 480Y/277 volts, three phase, four-wire, 60 Hertz.

### 1.05 ADMINISTRATIVE REQUIREMENTS

A. Preinstallation Meeting: Convene one week prior to commencing work of this section. Review service entrance requirements and details with Utility Company representative.

### 1.06 SUBMITTALS

A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.

B. Product Data: Provide ratings and dimensions of transformer cabinets and meter bases.

C. Submit utility company-prepared drawings.

### 1.07 QUALITY ASSURANCE

A. Utility Company: City of Seaford dept of Electric

B. Perform work in accordance with utility company written requirements and NFPA 70.
   1. Maintain one copy of each document on site.

C. Products: Listed and classified by Underwriters Laboratories Inc. as suitable for the purpose specified and indicated.

### 1.08 PRE-INSTALLATION MEETING

A. Convene one week prior to commencing work of this section. Review service entrance requirements and details with Utility Company representative.

## PART 2 PRODUCTS

### 2.01 MANUFACTURERS

A. GE Industrial: www.geindustrial.com.

B. Milbank Manufacturing: www.milbankmfg.com.

C. Square D: www.squared.com.

D. Substitutions: See Section 01 60 00 - Product Requirements.

**2.02 COMPONENTS**

A. Metering Transformer Cabinets: Sheet metal cabinet with hinged door, conforming to utility company requirements, with provisions for locking and sealing.
   1. Size: As required by utility.

B. Meter Base: Furnished by utility company.

C. Utility Transformer Pad: sized as indicated on drawings or size as required by Delmarva Power.

D. Other Components: As required by utility company.

**PART 3 EXECUTION**

**3.01 PREPARATION**

A. Arrange with utility company to obtain permanent electric service to the Project.

B. Verify that field measurements are as indicated on utility company drawings.

**3.02 INSTALLATION**

A. Install service rack, transformer pad, metering transformer cabinets, and meter base as required by utility company.

B. Install securely, in a neat and workmanlike manner, as specified in NECA 1.

**END OF SECTION**