

SECTION 26 22 50 – SERVICE ENTRANCE

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. Arrangement with utility company for permanent electric service. Refer to Division 26 "Basic Electrical Requirements," and applicable Division 01 sections for payment of charges billed by utility company.
- B. Underground primary and secondary service work.

1.2 REFERENCES

- A. ANSI/NFPA 70 - National Electric Code.

1.3 UTILITY COMPANY

- A. Utility is PPL. Refer to Division 26 "Basic Electrical Requirements," for contact information.
- B. System Characteristics: Primary voltage 277/480 volts wye, 3 phase, 4 wire, 60 Hertz.

1.4 QUALITY ASSURANCE

- A. Perform work in accordance with utility company written requirements.
- B. Maintain one copy of each document on site.

1.5 REGULATORY REQUIREMENTS

- A. Conform to requirements of ANSI/NFPA 70.

1.6 FIELD MEASUREMENTS

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

PART 2 - PRODUCTS

Not Applicable.

PART 3 - EXECUTION

3.1 UTILITY/CONTRACTOR COORDINATION

- A. Electric Utility will provide the following:
 - 1. Existing transformer and terminations at the transformer and pole to remain.
 - 2. Existing service transformer to remain.
 - 3. Existing primary cables to remain.
 - 4. Secondary cables (600 volt).
 - 5. Meter wiring from metering transformer to meter.
- B. Electrical Contractor will provide the following:
 - 1. Existing transformer vault to remain.
 - 2. Excavation, backfilling, and concrete encasement for all secondary conduits.
 - 3. Existing transformer bollards, ground ring and rods to remain.
 - 4. Install meter on building near service entrance.
 - 5. Conduit from current transformer in the switchboard sized in accordance with Electric Utility Co. requirements.
 - 6. 1" telephone conduit and cat 6 telephone cable from utility company metering location to telephone service demarcation location inside the building.
- C. Electrical Contractor shall contact Electric Utility Co. for specific instructions regarding their service requirements before beginning of his work. All service work shall be in complete compliance with Electric Utility Co. requirements, codes, and regulations.
- D. Make all arrangements necessary to obtain electrical service from Electric Utility Co.
- E. Verify exact location of Electric Utility Co. Service Pole prior to any rough ins.
- F. Verify exact location of meter base with utility prior to install. No additional cost shall be passed on to the owner if utility locates meter further distance from metering compartment than shown on drawings.
- G. Provide one (1) telephone/voice line from nearest data closet to PP&L meter base.
- H. Obtain all necessary standards and detail drawings from Electric Utility Co. before construction of service equipment is commenced. Electric Utility Co. service data as shown is accurate as determined on the date of specification issued and shall be verified as specified hereinabove.
- I. Verify that service equipment is ready to be connected and energized.

END OF SECTION 26 22 50