

SECTION 26 11 16 – SECONDARY UNIT SUBSTATIONS

PART 1 - GENERAL

1.1 SUBMITTAL REQUIREMENTS

- A. Product Data: Include rated capacities, furnished specialties, and accessories.
- B. Shop Drawings: Detail equipment assemblies and indicate dimensions, weights, loads, required clearances, method of field assembly, components, and location and size of each field connection.
 - 1. Wiring Diagrams: Power, signal, and control wiring.
 - 2. Dimensioned plans and elevations showing major components and features.
 - 3. One-line diagram.
 - 4. List of materials.
 - 5. Nameplate legends.
 - 6. Size and number of bus bars and current rating for each bus, including mains and branches of phase, neutral, and ground buses.
 - 7. Short-time and short-circuit current ratings of secondary unit substations and components.
 - 8. Ratings of individual protective devices.
- C. Coordination Drawings: Floor plan, drawn to scale, on which the following items are shown and coordinated with each other, based on input from installers of the items involved:
 - 1. Dimensioned underground conduit stub-up locations for primary, secondary and branch circuits.
 - 2. Concrete base outline, outline of new equipment with feeder windows, and required clearances.
- D. Operation and Maintenance Data: For secondary unit substations and accessories to include in emergency, operation, and maintenance manuals.

1.2 SUMMARY

- A. This Section includes common requirements for indoor secondary unit substations, consisting of the following:
 - 1. Primary incoming section.
 - 2. Transformer.
 - 3. Secondary distribution section.
- B. Related Sections include the following: (Refer to these sections for Products and Execution)
 - 1. Section 26 13 00.00 – “Medium Voltage Metal Enclosed Load Interrupter”
 - 2. Section 26 12 00.00 – “Indoor Medium Voltage Transformers”
 - 3. Section 26 24 13.00 – “Switchboards”
 - 4. Section 26 27 13.00 – “Electricity Metering”

PART 2 - PRODUCTS

2.1 SEE ABOVE. (REFER TO OTHER SECTIONS FOR PRODUCTS)

PART 3 - EXECUTION

3.1 SEE ABOVE. (REFER TO OTHER SECTIONS FOR EXECUTION)

END OF SECTION 26 11 16