

SECTION 26 20 00 - SERVICE ENTRANCE

PART 1 - GENERAL

1.1 DESCRIPTION

- A. Provide the secondary service entrance and metering equipment as specified herein and as shown on the Drawings.

1.2 COORDINATION

- A. Coordinate all aspects of the incoming electrical utility service with the serving utility representative.

1.3 PRODUCT DELIVERY, STORAGE, AND HANDLING

- A. Protect equipment against damage and moisture. Store materials off ground.
- B. Deliver equipment with UL label and bearing manufacturer's name.

1.4 QUALITY ASSURANCE

- A. Underwriters Laboratories, Inc., listing/approval.
- B. National Electrical Code with state and local amendments.
- C. Serving utility requirements and guidelines.

1.5 SUBMITTAL AND RECORD DOCUMENTATION

- A. Submit product data for products specified in this Section. Include dimensions, ratings, and data on features and components.

PART 2 - PRODUCTS

2.1 SWITCHBOARDS

- A. Reference Section 26 24 13, Switchboards.
- B. Service entrance switchboards shall be rated for 65K AIC fully-rated, unless indicated otherwise.

2.2 PANELBOARDS

- A. Reference Section 26 24 16, Panelboards.
- B. Service entrance panelboards shall be rated for 65k AIC fully-rated, unless indicated otherwise.

2.3 UTILITY METERING EQUIPMENT

- A. Fabricated compartment and section meeting utility company's requirements.

- B. Bus work shall include provisions for mounting utility company current transformers and potential transformers or potential taps as required by the utility company.

2.4 CURRENT TRANSFORMER CABINET

- A. Enclosure and cover to be fabricated from code gauge galvanized steel.
- B. Enclosure body to have mounting holes on back.
- C. Enclosure shall have mounting studs for utility current transformer mounting equipment.
- D. Cover shall be held secure by sliding it under the top end flange and fastening.
- E. Cover mounting studs and wing nuts shall have a utility sealing hole provision as well as a padlocking provision for sealing the cover to the enclosure.
- F. Hinged cover handles shall fold against the cover when not used.
- G. A ground lug shall be mounted on the inside bottom end of each cabinet.
- H. Shall have ANSI 49 gray enamel paint finish.
- I. Shall be UL 414 listed, type 3R, where installed outside.
- J. Acceptable Manufacturer: Circle AW or equal.

2.5 CT RATED METER SOCKET

- A. Enclosure and cover to be fabricated from code gauge galvanized steel.
- B. Shall have lug range for #14 to #6 copper.
- C. Shall have test perch drilled and tapped for test switches.
- D. Shall have AWSR sealing ring.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Install panels, cabinets and equipment level and plumb, parallel with structural building lines. Cover shall fit neatly without gaps, openings or distortion.
- B. Install in accordance with the manufacturer's installation instructions.

END OF SECTION 26 20 00