# SECTION 262000

# SERVICE ENTRANCE

## PART 1 GENERAL

1.01 DESCRIPTION

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

1.02 COORDINATION

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

1.03 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.

1.04 QUALITY ASSURANCE

A. Underwriters Laboratories, Inc., listing/approval.

B. National Electrical Code with state and local amendments.

C. Serving utility requirements and guidelines.

1.05 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

2.01 SWITCHBOARDS

A. Reference Section 262413, Switchboards.

B. Service entrance switchboards shall be rated for 65K AIC fully-rated, unless indicated otherwise.

2.02 PANELBOARDS

A. Reference Section 262416, Panelboards.

B. Service entrance panelboards shall be rated for 65k AIC fully-rated, unless indicated otherwise.

2.03 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.

2.04 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.

2.05 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

3.01 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