

SECTION 16410

ELECTRIC SERVICE

PART 1 - GENERAL

1.01 WORK INCLUDED:

- A. Furnish and install a complete system of wiring in conduit from the utility current transformer cabinet to the main service equipment.

1.02 REFERENCE DOCUMENTS:

- | | |
|------------------|--|
| A. Section 16010 | Special Provisions for Electrical Work |
| Section 16110 | Raceways |
| Section 16111 | Conduit and Fittings |
| Section 16120 | Wire and Cable - 600 Volts and Under |
| Section 16131 | Junction and Pull Boxes |
| Section 16170 | Supporting Devices |
| Section 16440 | Metering |
| Section 16450 | Grounding |
| Section 16476 | Fuses |

PART 2 - EXECUTION

2.01 INSTALLATION:

- A. Furnish and install service mains, wireway, fuses, grounding and appurtenances as illustrated on the plans to serve the various panelboards.
- B. Coordinate with utility drawings and standards in the location of the service disconnects to assure proper connections to utility current transformer cabinet.
- C. Mount equipment at proper height as determined by code furnishing plywood backboard as required firmly anchored to buildings structure. All disconnects, boxes, etc., shall be plumb to the building structure.

PART 3 - INSPECTION AND TESTS

3.01 INSPECTION:

- A. Thoroughly test all connections and assure that cable is terminated and lugs with proper torque applied to anchors per manufacturer's specifications.
- B. Phase out cable to assure proper A-B-C phasing.

- C. Meggar system to assure continuity.
- D. After completion of work, install proper fusing and energize system.

END OF SECTION