

SECTION 16010
BASIC ELECTRICAL REQUIREMENTS

PART 1 GENERAL

1.1 SECTION INCLUDES:

- A. Basic Electrical Requirements specifically applicable to Division 16 in addition to Division 1 - General requirements.
- B. Continuity of Service:
 - 1. Do not interrupt or change service or circuits without authorization from the Architect and the Owner. Obtain written authorization before starting work.
- C. Demolition:
 - 1. Deliver all equipment to be removed and turned over to the Owner at a place and time mutually agreed upon.
 - 2. Maintain all materials to be turned over to the Owner or reused and installed in the condition equal to that existing before work began. Repair or replace damaged materials or equipment at no additional cost to the Owner.

1.2 QUALITY ASSURANCE

- A. A person with a current Brevard County Journeyman Electricians Certificate of Competency shall be on site and supervise all electrical work.
- B. Materials, where applicable, shall bear the label of an approved testing agency, such as:
 - 1. E.T.L. (Electrical Testing Laboratories).
 - 2. U.L. (Underwriters Laboratories, Inc.)
 - 3. F.M. (Factory Mutual).
- C. Protect all materials subject to corrosion

1.3 RELATED WORK

- A. Section 02310 – Earthwork, for all underground installations.
- B. Coordinate, supply and install raceway, stub-outs, and termination boxes as necessary for voice, data, communication, controls (attention to SECTION 15955 - D.D.C. CONTROL SYSTEM), and fire alarm. Provide power as needed to service control devices.

1.4 TEMPORARY WIRING

- A. Provide temporary power and lighting at locations necessary to carry out the work. Coordinate with the Project Superintendent.
- B. New Construction: Install according to National Electrical Code.
- C. Remodel: Conductors and routing of temporary wiring in or on existing buildings shall be coordinated and approved by Department of Facility and Construction Management. Remove temporary wiring upon completion of project. Install according to National Electrical Code.

1.5 EQUIPMENT

- A. Coordinate with other trades to provide adequate working clearance about equipment.
- B. Outdoor equipment not secured to wall surface shall be mounted on steel channel or iron supports.
- C. Grounding: Equipment grounding conductors shall be bonded to available electrodes at each building.
- D. Equipment of a similar nature shall be identical and of the same manufacturer.
- E. Equipment shall be set level. Where grouped, shall be mounted at the same height, properly aligned, bolted together in sections and fastened in place. Tighten screws, bolts, nuts, lamps,

fittings or other fastening devices. Install all covers, plates, fittings and accessories.

PART 2 PRODUCTS

2.1 Not Used

PART 3 EXECUTION

3.1 Not Used

END OF SECTION