

SECTION 16010

BASIC ELECTRICAL REQUIREMENTS

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. Basic Electrical Requirements specifically applicable to Division 16 Sections, in addition to Division 1 – General Requirements

1.2 OWNER FURNISHED PRODUCTS

- A. Products furnished to the site and paid for by the Owner
 - 1. Refer to drawings for identification of equipment furnished by Owner and installed by contractor
 - 2. Coordinate with Owner, Engineer, subcontractors and suppliers on scheduling and sequencing of work related to Owner-furnished equipment indicated on the Drawings

1.3 FUTURE WORK

- A. Provide for future work as discussed in Section 01010
- B. Project is designed for future expansion

1.4 REFERENCES

- A. ANSI/NFPA 70 – National Electrical Code
- B. Code for Safety to Life from Fire in Buildings and Structures

1.5 SUBMITTALS

- A. Per Section 01340
- B. Proposed Products List: Include products specified in the individual Sections of this Division
- C. Submit shop drawings and product data grouped to include complete submittals of related systems, products, and accessories in a single submittal as required by individual Sections of this Division
- D. Mark dimensions and values in units to match those specified

1.6 CLOSEOUT SUBMITTALS

- A. Per Section 01700

- B. Project Record Documents: Per Section 01700
- C. Operation and Maintenance Data: Per Section 01730

1.7 REGULATORY REQUIREMENTS

- A. Electrical: Conform to NFPA 70 and PPRBD
- B. Obtain permits and request inspections from authority having jurisdiction
 - 1. See Section 01500 for additional information

1.8 PROJECT/SITE CONDITIONS

- A. Install Work in locations shown on Drawings, unless prevented by Project conditions
- B. Prepare drawings showing proposed rearrangement of Work to meet Project conditions, including changes to Work specified in other sections. Obtain permission of Engineer before proceeding

1.9 SEQUENCING AND SCHEDULING

- A. Construct work in sequence under provisions of Section 01010

PART 2 - MATERIALS

Not Used

PART 3 - EXECUTION

3.1 DEVICE MOUNTING SCHEDULE

- A. Dimensions are to center of device unless otherwise indicated
- B. Mounting heights as indicated below:
 - 1. Flush switch: 48"
 - 2. Receptacle (in offices and corridors): 18"
 - 3. Receptacle horizontally mounted above counter 4" above backsplash or 4" above work surface if no backsplash provided unless otherwise indicated
 - 4. Receptacle (in mechanical equipment rooms): 48"
 - 5. Receptacle dedicated for specific equipment: center vertically and horizontally behind unit
 - 6. Telephone outlets for desk phone: 18"
 - 7. Telephone outlet for wall mounted phone: 48"
 - 8. Telephone above counter locate outlet 4" above backsplash or 4" above work surface if no backsplash provided unless otherwise indicated
 - 9. Telephone at counter locate outlet underneath counter 8" AFF
 - 10. Exit light (over door trim, center in space): 90"

11. Bracket light above lavatory; bottom of fixture shall be 1" above mirror or 78"
AFF if no mirror provided
 12. Data outlets: 18"
 13. Safety switch (to top): 64"
 14. Panelboard (to top): 78"
 15. Motor start: 54"
 16. Push button motor control station: 48"
 17. Access system keypad: 48"
 18. Unless otherwise specified on Drawings
- C. Locate exit signs and fire alarm flashing lights so that all are visible from all corridor locations
- D. Relocate signs as required to resolve conflicts

END OF SECTION