

DIVISION 16 - ELECTRICAL

SECTION 16000 - ELECTRICAL

Summary:

1. Provide electrical systems for the following:
 - a. Power
 - b. Lightning, interior, and exterior.
 - c. Emergency lighting.
 - d. Power, telephone, cable TV and data outlets and wiring
 - e. Lighting protection.
 - f. Security systems.
2. Coordinate with Owner's room uses to provide adequate system for all contract areas.
3. Coordinate location of ductwork and fire protection systems to avoid interference with location of designated lighting fixture locations.
4. Coordinate schedule of telephone and data outlet completion with Owner's communications requirements and installer as applicable.
5. Do not cut structural elements without prior written approval.
6. New Service:
 - a. As required and approved by the architect.

Submittals:

1. Submit product data, warranties, operating and maintenance data, circuit diagrams.
2. Submit signed and sealed shop drawings for review and as required for building permit.

Products:

1. Provide new materials suitable for service intended complying with approved submittals. Provide accessories such as controls, cover plates, and connections to equipment. Finish as selected by Owner.
2. Provide emergency or alternate power source for exit and emergency lighting systems.

Installation:

1. Comply with requirements of Section 01000 - Project Requirements.
2. Comply with applicable codes, regulations, ordinances and requirements of authorities having jurisdiction and National Electrical Code.
3. Provide core drilling as required.
4. Conceal conduit
5. Install light switches at uniform height above finished floor. Locate switches within rooms at strike side of door unless noted otherwise.
6. Install thermostats centered above light switches where applicable.
7. Gang-mount multiple switching locations. Mount multiple types of controls as close together as possible and in-line with each other at uniform height above finished floor unless noted otherwise.
8. Group multiple junction boxes, telephone and electrical outlets together on walls. Avoid back-to-back box locations.
9. Mount electrical, data, and telephone outlets vertically, at uniform height above finished floor unless noted otherwise.
10. Maintain indicated fire ratings of walls, partitions, ceilings, and floors at penetrations.

Seal with firestopping to maintain fire rating.

11. Test all systems for proper operation.
12. Label circuits in electrical panels.
13. Instruct Owner's personnel in proper operation of systems.

END OF DIVISION 16