

SECTION 2600 - ELECTRICAL

2601. General

A. Construction and installation of the following electrical systems shall conform to the requirements of the applicable sections of the adopted State, Federal, or local codes, ordinances, and regulations, whichever is most stringent:

1. Panelboards. The panelboard directory shall be labeled to conform to the actual room numbers or designations. (II)

2. Lighting.

a. Artificial light shall be provided to include sufficient lighting for reading, observation, and activities. There shall be a minimum of thirty-five (35) foot-candles in areas used for reading, study, or close work. Lighting in work areas and medication preparation areas shall not be less than thirty (30) foot-candles. (II)

b. Resident rooms shall have lighting that provides a minimum of twenty (20) foot-candles in all parts of the room and shall have at least one (1) light fixture for night lighting. The switches to the main and night lighting shall be located at the strike side of the entrance door in each resident room and shall be of the quiet operating type. (II)

c. All food preparation areas, equipment and utensil washing areas, handwashing areas, toilet areas for kitchen staff and volunteers, walk-in refrigeration units, dry food storage areas, and dining areas during cleaning operation shall be lighted in accordance with R.61-25.

3. Receptacles.

4. Ground Fault Protection. (I)

5. Exit Signs. (I)

B. All electrical wiring, installations and equipment shall be maintained in a safe, operable condition in accordance with NFPA 70 and 99 and shall be inspected at least annually by a licensed electrician, registered engineer, or certified building official. (II)

C. The use of electrical extension cords is prohibited, except as noted below. (II)

1. Extension cords may be used for small personal appliances, such as floor lamps, table lamps, radios.

2. Extension cords shall be connected to only one (1) device to prevent overloading of the circuit.

3. Extension cords shall be properly secured and not be placed overhead, under carpets or rugs, or anywhere that the cord can cause trips, falls, or overheat.

4. Power strips may be used for data processing equipment, *e.g.*, computer, monitor, printer. Power strips shall not be used with medical devices in resident care areas or as a substitute for adequate electrical outlets.

2602. Emergency Electrical Service (II)

A. Construction and installation of emergency electrical service shall conform to the requirements of the applicable sections of the adopted State, Federal, or local codes, ordinances, and regulations, whichever is most stringent.

B. An emergency generator shall be provided to deliver emergency electrical service during interruption of the normal electrical service.

C. Emergency electrical service shall be provided to the distribution system as follows:

1. Exit lights and exit directional signs;
2. Exit access corridor lighting;
3. Lighting of means of egress and staff work areas;
4. Fire detection and alarm systems;
5. In resident care areas (duplex receptacles in corridors or in resident rooms);
6. Signal system;
7. Equipment necessary for maintaining telephone service;
8. Elevator service that will reach every resident floor when rooms are located on other than the ground floor;
9. Fire pump;
10. Equipment for heating resident rooms;
11. Public restrooms;
12. Essential mechanical equipment rooms;
13. Battery-operated lighting and a receptacle in the vicinity of the emergency generator;
14. Alarm systems, water flow alarm devices, and alarms required for medical gas systems;
15. Resident records when solely electronically based.

D. Receptacles and switches connected to emergency power shall be distinctively marked.

E. Emergency generators shall be operated weekly for at least thirty (30) minutes and shall be operated at least monthly under load for at least thirty (30) minutes. Within one (1) year of the effective date of this regulation, emergency generators shall be tested at least once every thirty-six (36) months for a minimum of four (4) continuous hours.