

**CHAPTER 1315**  
**DEPARTMENT OF ADMINISTRATION**  
**STATE BUILDING CODE**  
**ELECTRICAL CODE**

1315.0200 SCOPE.

1315.0300 AMENDMENTS TO TABLE 220-2(B) OF  
THE NATIONAL ELECTRICAL CODE.

1315.0400 AMENDMENTS TO SECTION 300-22 OF  
THE NATIONAL ELECTRICAL CODE.

1315.0500 AMENDMENTS TO SECTION 700-6 OF  
THE NATIONAL ELECTRICAL CODE.

1315.0600 AMENDMENTS TO SECTION 800-3 OF  
THE NATIONAL ELECTRICAL CODE.

**1315.0200 SCOPE.**

Subpart 1. **Documents contained in electrical code.** All new electrical wiring, apparatus, and equipment for electric light, heat, and power shall comply with the regulations contained in the 1981 edition of the National Electrical Code (NEC) as approved by the American National Standards Institute (ANSI-CI-1981) and Minnesota Statutes, section 326.243 and the State Building Code as promulgated by the commissioner of administration.

Subp. 2. **Electrical sections of state and uniform codes.** Synopsis as follows:

- A. Parts 1300.1700 to 1300.2500, administrative sections.
- B. Part 1305.0100, adoption of 1979 Uniform Building Code by reference.
  - (1) Part 1305.0300, amended UBC 104(a), smoke detector requirements for existing R-3 and R-4 occupancies.
  - (2) UBC 104(e), application to moved buildings.
  - (3) Part 1305.0300, amended 104(f), historic buildings.
  - (4) Part 1305.0400, amended UBC 203, unsafe buildings.
  - (5) Part 1305.0600, amended UBC 205, violations.
  - (6) Part 1305.1000, amended UBC 307(a), certificate of occupancy.
  - (7) Parts 1305.1100 to 1305.1400, amended UBC 405, 406, 407, 414, and 420, definitions.
  - (8) UBC 502, change in use.
  - (9) Part 1305.1100, amended UBC 512, roof access GFCI outlet and accessible disconnect.
  - (10) Part 1305.1800, amended UBC 605, lighting, group A occupancies.
  - (11) Part 1305.1900, amended UBC 705, lighting, group B occupancies.
  - (12) Part 1305.2200, amended UBC 805, lighting, group E occupancies.
  - (13) Part 1305.2300, amended UBC 809, fire alarm, group E occupancies.
  - (14) Part 1305.2400, amended UBC 905, lighting, group H occupancies.
  - (15) Part 1305.2700, amended UBC 1005, lighting, group I occupancies.
  - (16) Part 1305.2800, amended UBC 1009, fire alarm, group I occupancies.
  - (17) Part 1305.3700, amended UBC 1210, fire alarm/smoke detectors, group R occupancies.

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(18) Part 1305.3850, amended UBC 1216, sound transmission control, R-1 occupancies.

(19) UBC 1706, shaft enclosures.

(20) UBC 1807 and part 1305.4500, amended UBC 1807(h), special provisions for high-rise buildings/group B2 (office) and R-1.

(21) UBC 3312, exit signs and exit illumination.

(22) UBC 3317, smoke detectors/group E occupancies.

(23) Part 1305.6300, amended UBC 3802(e), automatic fire extinguishing systems for commercial cooking equipment.

(24) UBC 4303(b)6, 4304(e), 4305, penetrations of fire-resistive assemblies.

C. Chapter 1320, elevators, dumbwaiters, escalators, manlifts, moving walks, hoists, lifts and wheelchair elevating devices.

(1) Part 1320.0600, standby power.

(2) Part 1320.0700, amended rule 101.5a, machine room, lighting and outlet.

(3) amended rule 106.1e, pit lighting and outlet.

D. Parts 1325.0200 to 1305.0700, energy code.

E. Chapter 1335, floodproofing regulations.

F. Chapter 1340, facilities for the handicapped.

G. Part 1345.3090, electrical space heating.

H. Part 1345.3300, HVAC system shutdowns.

I. Chapter 1350, rules for manufactured homes.

J. Chapter 1360, prefabricated and manufactured structures code.

**Statutory Authority:** *MS s 116J.27*

### 1315.0300 AMENDMENTS TO TABLE 220-2(B) OF THE NATIONAL ELECTRICAL CODE.

Subpart 1. **Amended table.** NEC table 220-2(b) is amended as follows:

Unit load per sq. ft. (Watts) for banks and office buildings shall be reduced from 5 to 3.

Table 220-2(b). General Lighting Loads by Occupancies.

Type of Occupancy	Unit Load per Square Foot (Watts)
Armories and auditoriums	1
Banks	3
Barber shops and beauty parlors	3
Churches	1
Clubs	2
Court rooms	2
*Dwelling Units	3
Garages -- commercial (storage)	1/2
Hospitals	2
*Hotels and motels, including apartment houses without provisions for cooking by tenants	2
Industrial commercial (loft) buildings	2
Lodge rooms	1-1/2
Office buildings	3
Restaurants	2
Schools	3
Stores	3
Warehouses (storage)	1/4

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In any of the above occupancies except one-family dwellings and individual dwelling units of multifamily dwellings:

Assembly halls and auditoriums	1
Halls, corridors, closets	1/2
Storage spaces	1/4

Subp. 2. **Note on dwelling units, hotels, and motels.** All receptacle outlets of 20-ampere or less rating in one-family and multifamily dwellings and in guest rooms of hotels and motels (except those connected to the receptacle circuits specified in Section 220-3(b)) shall be considered as outlets for general illumination, and no additional load calculations shall be required for such outlets.

**Statutory Authority:** *MS s 116J.27*

**1315.0400 AMENDMENTS TO SECTION 300-22 OF THE NATIONAL ELECTRICAL CODE.**

NEC section 300-22(b) is amended by adding an exception as follows:

Exception: In Group B, Division 2, occupancies, communications circuits such as those set out in Section 800-1 may be installed in return air handling plenums located above ceilings without being installed in metallic tubing, metal conduit, or other types of metallic raceways when the building housing such Group B Division 2, occupancies is provided with an approved, fully automatic sprinkler system or the main return and exhaust air plenum is provided with approved smoke detectors which, when activated, shall place into operation all equipment necessary to prevent the recirculation of smoke. All such communication wiring, when abandoned, shall be removed upon order from the building official.

**Statutory Authority:** *MS s 116J.27*

**1315.0500 AMENDMENTS TO SECTION 700-6 OF THE NATIONAL ELECTRICAL CODE.**

NEC section 700-6(b)(3) is amended to read as follows:

Prime movers may be solely dependent upon a public utility gas system for their fuel supply when the building official determines that there is low probability of a simultaneous failure of both the off-site fuel delivery system and power from the outside electrical utility company. Means shall be provided for automatically transferring from one fuel supply to another where dual fuel supplies are used. When such a public utility gas system is approved by the building official, the requirement for an on-site fuel supply of two hours is not required. A public utility gas system shall not be an approved fuel supply for prime movers in buildings which are located in a designated flood plain area or in areas designated other than seismic zone "O."

**Statutory Authority:** *MS s 116J.27*

**1315.0600 AMENDMENTS TO SECTION 800-3 OF THE NATIONAL ELECTRICAL CODE.**

NEC section 800-3 is amended to read as follows:

(d) Location. Circuits and equipment installed in ducts and plenums shall also comply with section 300-22 as to wiring methods.

Exception No. 1: Conductors listed as having adequate fire-resistant and low smoke-producing characteristics shall be permitted for ducts, hollow spaces used as ducts, and plenums other than those described in section 300-22(a).

Exception No. 2: In existing buildings of Group A and B occupancies, communication circuits may be installed in existing suspended ceiling plenums

used for environmental air if the construction of the affected floor or level of the building does not exceed 50 percent of the value of new construction of that floor or level within a 12-month period.

All such communication wiring shall be grouped and shall be independently supported from the structure. All such communication wiring when abandoned shall be removed. This exception shall not apply if the building official determines that such installation constitutes an increased hazard to life and/or property. This exception shall not apply when listed conductors are available.

The conductors referred to in this section would ordinarily be insulated, but the kind of insulation is not specified as reliance is placed on the protective device to stop all dangerous voltages and currents.

**Statutory Authority:** *MS s 116J.27*