

REFERENCES TO ICC ELECTRICAL CODE - ADMINISTRATIVE PROVISIONS IN THE INTERNATIONAL BUILDING CODE

101.4.1 Electrical. The provisions of the ~~ICC *Electrical Code*~~ shall apply to the installation of electrical systems, including alterations, repairs, replacement, equipment, appliances, fixtures, fittings and appurtenances thereto.

Recommendation: Delete entire section

CCC Action: Accept recommendation as submitted

107.3 Temporary power. The building official is authorized to give permission to temporarily supply and use power in part of an electric installation before such installation has been fully completed and the final certificate of completion has been issued. The part covered by the temporary certificate shall comply with the requirements specified for temporary lighting, heat or power in the ~~ICC *Electrical Code*~~ NFPA 70.

Recommendation: Delete "the ICC Electrical Code" and replace with "NFPA 70"

CCC Action: Accept recommendation as submitted

(SUPP) [F] 414.5.4 Standby or emergency power. Where mechanical ventilation, treatment systems, temperature control, alarm, detection or other electrically operated systems are required, such systems shall be provided with an emergency or standby power system in accordance with Chapter 27 of this code and the International Code Council Electrical Code Administrative Provisions and Section 604 of the International Fire Code.

Exceptions:

1. Storage areas for Class 1 and 2 oxidizers.
2. Storage areas for Class II, III, IV and V organic peroxides.
3. Storage areas for asphyxiant, irritant and radioactive gases.
4. For storage areas for highly toxic or toxic materials, see Sections 3704.2.2.8 and 3704.3.2.6 of the *International Fire Code*
5. Standby power for mechanical ventilation, treatment systems and temperature control systems shall not be required where an approved fail-safe engineered system is installed.

Recommendation: Delete "the International Code Council Electrical Code Administrative Provisions and"

CCC Action: Modify the recommendation as shown in RED text above.

[F] 415.8.2.8.1 General. Electrical equipment and devices within the fabrication area shall comply with the ~~ICC *Electrical Code*~~ NFPA 70. The requirements for hazardous locations need not be applied where the average air change is at least four times that set forth in Section 415.8.2.6 and where the number of air changes at any location is not less than three times that required by Section 415.8.2.6. The use of recirculated air shall be permitted.

Recommendation: Delete "the ICC Electrical Code" and replace with "NFPA 70"

CCC Action: Accept recommendation as submitted

603.1.3 Electrical. The use of electrical wiring methods with combustible insulation, tubing, raceways and related components shall be permitted when installed in accordance with the limitations of the ~~ICC *Electrical Code*~~ this code.

Recommendation: Replace "the ICC Electrical Code" with "this code."

CCC Action: Accept recommendation as submitted

[F] 904.3.1 Electrical wiring. Electrical wiring shall be in accordance with the ~~ICC *Electrical Code*~~ NFPA 70.

Recommendation: Delete "the ICC Electrical Code" and replace with "NFPA 70"

CCC Action: Accept recommendation as submitted

[F] 907.5 Wiring. Wiring shall comply with the requirements of the ~~ICC *Electrical Code*~~ NFPA 70 and NFPA 72. Wireless protection systems utilizing radio-frequency transmitting devices shall comply with the special requirements for supervision of low-power wireless systems in NFPA 72.

Recommendation: Delete "the ICC Electrical Code" and replace with "NFPA 70"

CCC Action: Accept recommendation as submitted

(SUPP) [F] 907.7.1 Wiring. Wiring shall comply with the requirements of the ~~International Code Council Electrical Code Administrative Provisions~~ NFPA 70 and NFPA 72. Wireless protection systems utilizing radio-frequency transmitting devices shall comply with the special requirements for supervision of low-power wireless systems in NFPA 72.

Recommendation: Delete "the ICC Electrical Code" and replace with "NFPA 70"

CCC Action: Accept recommendation as submitted

(SUPP) [F] 909.11 Power systems. The smoke control system shall be supplied with two sources of power. Primary power shall be the normal building power systems. Secondary power shall be from an approved standby source complying with the ~~International Code Council Electrical Code Administrative Provisions~~ NFPA 70 Chapter 27 of this Code. The standby power source and its

transfer switches shall be in a room separate from the normal power transformers and switch gear and ventilated directly to and from the exterior. The room shall be enclosed with not less than 1-hour fire barriers constructed in accordance with Section 706 or horizontal assemblies constructed in accordance with Section 711, or both. Power distribution from the two sources shall be by independent routes. Transfer to full standby power shall be automatic and within 60 seconds of failure of the primary power. ~~The systems shall comply with this code or the International Code Council Electrical Code Administrative Provisions and NFPA 70.~~

Recommendation: Replace “the International Code Council Electrical Code Administrative Provisions” with “NFPA 70 in 3rd line and “or the International Code Council Electrical Code Administrative Provisions” with “and NFPA 70” in the last line

CCC Action: Modify the recommendation as shown in RED above.

[F] 909.12.1 Wiring. In addition to meeting requirements of ~~the ICC Electrical Code~~ NFPA 70, all wiring, regardless of voltage, shall be fully enclosed within continuous raceways.

Recommendation: Delete “the ICC Electrical Code” and replace with “NFPA 70”

CCC Action: Accept recommendation as submitted

[F] 909.16.3 Control action and priorities. The firefighter’s control panel actions shall be as follows:

1. ON-OFF and OPEN-CLOSE control actions shall have the highest priority of any control point within the building. Once issued from the fire-fighter’s control panel, no automatic or manual control from any other control point within the building shall contradict the control action. Where automatic means are provided to interrupt normal, nonemergency equipment operation or produce a specific result to safeguard the building or equipment (i.e., duct freezestats, duct smoke detectors, high-temperature cutouts, temperature-actuated linkage and similar devices), such means shall be capable of being overridden by the fire-fighter’s control panel. The last control action as indicated by each fire-fighter’s control panel switch position shall prevail. In no case shall control actions require the smoke control system to assume more than one configuration at any one time.

Exception: Power disconnects required by ~~the ICC Electrical Code~~ NFPA 70.

(No change to item 2)

Recommendation: Delete “the ICC Electrical Code” and replace with “NFPA 70”

CCC Action: Accept recommendation as submitted

1205.4.1 Controls. The control for activation of the required stairway lighting shall be in accordance with ~~the ICC Electrical Code~~ NFPA 70.

Recommendation: Delete “the ICC Electrical Code” and replace with “NFPA 70”

CCC Action: Accept recommendation as submitted

1405.10.4 Grounding. Grounding of metal veneers on buildings shall comply with the requirements of Chapter 27 of this code ~~or the ICC Electrical Code~~.

Recommendation: Delete “or the ICC Electrical Code”

CCC Action: Accept recommendation as submitted

2701.1 Scope. This chapter governs the electrical components, equipment and systems used in buildings and structures covered by this code. Electrical components, equipment and systems shall be designed and constructed in accordance with the provisions of ~~the ICC Electrical Code~~ this code, the International Fire Code, and NFPA 70.

Recommendation: Delete “the ICC Electrical Code” and replace with “NFPA 70”

CCC Action: Modify recommendation as shown in RED above.

3401.3 Compliance with other codes. Alterations, repairs, additions and changes of occupancy to existing structures shall comply with the provisions for alterations, repairs, additions and changes of occupancy in the *International Fire Code, International Fuel Gas Code, International Mechanical Code, International Plumbing Code, International Property Maintenance Code, International Private Sewage Disposal Code, and International Residential Code* and NFPA 70. ~~and ICC Electrical Code.~~

Recommendation: Delete “and ICC Electrical Code”

CCC Action: Modify recommendation as shown in RED above.

A101.2 Chief inspector. The building official can designate supervisors to administer the provisions of the *International Building, Mechanical and Plumbing Codes, International Fuel Gas Code* ~~and ICC Electrical Code~~. Each supervisor shall have at least 10 years’ experience or equivalent as an architect, engineer, inspector, contractor or superintendent of construction, or any combination of these, five years of which shall have been in a supervisory capacity. They shall be certified through a recognized certification program for the appropriate trade.

Recommendation: Delete “and ICC Electrical Code”

CCC Action: Accept recommendation as submitted

(SUPP) G901.6 Protection of mechanical, plumbing and electrical systems. Mechanical, plumbing and electrical systems, including plumbing fixtures, shall be elevated to or above the design flood elevation.

Exception: Electrical systems, equipment and components, and heating, ventilating, air conditioning, and plumbing appliances, plumbing fixtures, duct systems, and other service equipment shall be permitted to be located below the design flood elevation provided that they are designed and installed to prevent water from entering or accumulating within the components and to resist hydrostatic and hydrodynamic loads and stresses, including the effects of buoyancy, during the occurrence of flooding to the design flood elevation in compliance with the flood-resistant construction requirements of the *International Building Code*. Electrical wiring systems shall be permitted to be located below the design flood elevation provided they conform to the provisions of NFPA 70 ~~the International Code Council Electrical Code Administrative Provisions~~.

Recommendation: Delete "International Code Council Electrical Code Administrative Provisions" and replace with NFPA 70.

CCC Action: Accept recommendation as submitted

H106.1 Illumination. A sign shall not be illuminated by other than electrical means, and electrical devices and wiring shall be installed in accordance with the requirements of ~~the ICC Electrical Code~~ NFPA 70. Any open spark or flame shall not be used for display purposes unless specifically approved.

Recommendation: Delete "the ICC Electrical Code" and replace with "NFPA 70"

CCC Action: Accept recommendation as submitted

H106.2 Electrical service. Signs that require electrical service shall comply with ~~the ICC Electrical Code~~ NFPA 70.

Recommendation: Delete "the ICC Electrical Code" and replace with "NFPA 70"

CCC Action: Accept recommendation as submitted

REFERENCES TO ICC ELECTRICAL CODE - ADMINISTRATIVE PROVISIONS IN THE INTERNATIONAL ENERGY CONSERVATION CODE

201.3 Terms defined in other codes. Terms that are not defined in this code but are defined in the *International Building Code*, ~~ICC Electrical Code~~, *International Fire Code*, *International Fuel Gas Code*, *International Mechanical Code*, *International Plumbing Code*, or the *International Residential Code* shall have the meanings ascribed to them in those codes.

Recommendation: Delete "ICC Electrical Code,"

CCC Action: Accept recommendation as submitted

REFERENCES TO ICC ELECTRICAL CODE - ADMINISTRATIVE PROVISIONS IN THE INTERNATIONAL EXISTING BUILDING CODE

107.3 Temporary power. The code official is authorized to give permission to temporarily supply and use power in part of an electric installation before such installation has been fully completed and the final certificate of completion has been issued. The part covered by the temporary certificate shall comply with the requirements specified for temporary lighting, heat or power in the ~~ICC Electrical Code~~ NFPA 70.

Recommendation: Delete “the ICC Electrical Code” and replace with “NFPA 70”

CCC Action: Accept recommendation as submitted

~~[ICC-EC]~~ **302.6 Electrical.** Additions, alterations, renovations or repairs to electrical installations shall conform to ~~the ICC Electrical Code~~ the International Building Code, the International Fire Code and NFPA 70 without requiring the existing installation to comply with all of the requirements of this code. Additions, alterations or repairs shall not cause an existing installation to become unsafe, hazardous or overloaded.

Minor additions, alterations, renovations and repairs to existing installations shall meet the provisions for new construction, unless such work is done in the same manner and arrangement as was in the existing system, is not hazardous and is approved.

Recommendation: Delete “[ICC EC]” and “the ICC Electrical Code” and replace with “NFPA 70”

CCC Action: Modify the recommendation as shown in RED above.

~~[ICC-EC]~~ **305.6 Electrical.** It shall be unlawful to make a change in the occupancy of a structure that will subject the structure to the special provisions of ~~the ICC Electrical Code~~ International Building Code related to electrical installation applicable to the new occupancy without approval. The code official shall certify that the structure meets the intent of the provisions of law governing building construction for the proposed new occupancy and that such change of occupancy does not result in any hazard to the public health, safety or welfare.

Recommendation: Delete “[ICC EC]” and “the ICC Electrical Code” and replace with “International Building Code related to electrical installation”

CCC Action: Accept recommendation as submitted

602.3 Materials and methods. All new work shall comply with materials and methods requirements in the ~~ICC Electrical Code, International Building Code, International Energy Conservation Code, International Mechanical Code, and International Plumbing Code~~, as applicable, that specify material standards, detail of installation and connection, joints, penetrations, and continuity of any element, component, or system in the building.

Recommendation: Delete “ICC Electrical Code,”

CCC Action: Accept recommendation as submitted

708.1 New installations. All newly installed electrical equipment and wiring relating to work done in any work area shall comply with the materials and methods requirements of Chapter 5.

Exception: Electrical equipment and wiring in newly installed partitions and ceilings shall comply with all applicable requirements of ~~the ICC Electrical Code~~ NFPA 70.

Recommendation: Delete “the ICC Electrical Code” and replace with “NFPA 70”

CCC Action: Accept recommendation as submitted

708.3.4 Ground fault circuit interruption. Newly installed receptacle outlets shall be provided with ground fault circuit interruption as required by ~~the ICC Electrical Code~~ NFPA 70.

Recommendation: Delete “the ICC Electrical Code” and replace with “NFPA 70”

CCC Action: Accept recommendation as submitted

708.3.7 Clearance for equipment. Clearance for electrical service equipment shall be provided in accordance with ~~the ICC Electrical Code~~ NFPA 70.

Recommendation: Delete “the ICC Electrical Code” and replace with “NFPA 70”

CCC Action: Accept recommendation as submitted

908.1 Special occupancies. Where the occupancy of an existing building or part of an existing building is changed to one of the following special occupancies as described in NFPA 70 ~~the ICC Electrical Code~~, the electrical wiring and equipment of the building or portion thereof that contains the proposed occupancy shall comply with the applicable requirements of NFPA 70 ~~the ICC Electrical Code~~ whether or not a change of occupancy group is involved:

1. Hazardous locations.
2. Commercial garages, repair, and storage.
3. Aircraft hangars.
4. Gasoline dispensing and service stations.
5. Bulk storage plants.
6. Spray application, dipping, and coating processes.

7. Health care facilities.
8. Places of assembly.
9. Theaters, audience areas of motion picture and television studios, and similar locations.
10. Motion picture and television studios and similar locations
11. Motion picture projectors.
12. Agricultural buildings.

Recommendation: Delete "the ICC Electrical Code" and replace with "NFPA 70"

CCC Action: Accept recommendation as submitted

908.2 Unsafe conditions. Where the occupancy of an existing building or part of an existing building is changed, all unsafe conditions shall be corrected without requiring that all parts of the electrical system ~~be brought up to the current edition of~~ comply with the ICC Electrical Code NFPA 70.

Recommendation: Delete "the ICC Electrical Code" and replace with "NFPA 70"

CCC Action: Modify the recommendation as shown in RED above.

908.3 Service upgrade. Where the occupancy of an existing building or part of an existing building is changed, electrical service shall be upgraded to meet the requirements of ~~the ICC Electrical Code~~ NFPA 70 for the new occupancy.

Recommendation: Delete "the ICC Electrical Code" and replace with "NFPA 70"

CCC Action: Accept recommendation as submitted

908.4 Number of electrical outlets. Where the occupancy of an existing building or part of an existing building is changed, the number of electrical outlets shall comply with ~~the ICC Electrical Code~~ NFPA 70 for the new occupancy.

Recommendation: Delete "the ICC Electrical Code" and replace with "NFPA 70"

CCC Action: Accept recommendation as submitted

REFERENCES TO ICC ELECTRICAL CODE - ADMINISTRATIVE PROVISIONS IN THE INTERNATIONAL FIRE CODE

603.1.3 Electrical wiring and equipment. Electrical wiring and equipment used in connection with oil-burning equipment shall be installed and maintained in accordance with Section 605 and ~~the ICC Electrical Code~~ NFPA 70.

Recommendation: Delete “the ICC Electrical Code” and replace with “NFPA 70”

CCC Action: Accept recommendation as submitted

603.1.7 Clearances. Working clearances between oil-fired appliances and electrical panelboards and equipment shall be in accordance with ~~the ICC Electrical Code~~ NFPA 70. Clearances between oil-fired equipment and oil supply tanks shall be in accordance with NFPA 31.

Recommendation: Delete “the ICC Electrical Code” and replace with “NFPA 70”

CCC Action: Accept recommendation as submitted

603.5.2 Heating appliance installation and maintenance. Heating appliances shall be installed and maintained in accordance with the manufacturer’s instructions, the *International Building Code*, the *International Mechanical Code*, the *International Fuel Gas Code* and ~~the ICC Electrical Code~~ NFPA 70.

Recommendation: Delete “the ICC Electrical Code” and replace with “NFPA 70”

CCC Action: Accept recommendation as submitted

604.2.16.1 Standby power. A standby power system complying with ~~the ICC Electrical Code~~ this section and NFPA 70 shall be provided for standby power loads as specified in Section 604.2.16.1.1.

Recommendation: Delete “the ICC Electrical Code” and replace with “NFPA 70”

CCC Action: Modify the recommendation as shown in RED above.

604.2.16.2 Emergency power. An emergency power system complying with ~~the ICC Electrical Code~~ this code and NFPA 70 shall be provided for emergency power loads as specified in Section 604.2.15.2.1.

Recommendation: Delete “the ICC Electrical Code” and replace with “NFPA 70”

CCC Action: Modify the recommendation as shown in RED above.

605.1 Abatement of electrical hazards. Identified electrical hazards shall be abated. Identified hazardous electrical conditions in permanent wiring shall be brought to the attention of the responsible code official ~~responsible for enforcement of the ICC Electrical Code NFPA 70~~. Electrical wiring, devices, appliances and other equipment that is modified or damaged and constitutes an electrical shock or fire hazard shall not be used.

Recommendation: Delete “the ICC Electrical Code” and replace with “NFPA 70”

CCC Action: Modify the recommendation as shown in RED above.

605.3 Working space and clearance. A working space of not less than 30 inches (762 mm) in width, 36 inches (914 mm) in depth and 78 inches (1981 mm) in height shall be provided in front of electrical service equipment. Where the electrical service equipment is wider than 30 inches (762 mm), the working space shall not be less than the width of the equipment. No storage of any materials shall be located within the designated working space.

Exceptions:

1. Where other dimensions are required or allowed by ~~the ICC Electrical Code~~ NFPA 70.
2. Access openings into attics or under-floor areas which provide a minimum clear opening of 22 inches (559 mm) by 30 inches (762 mm).

Recommendation: Delete “the ICC Electrical Code” and replace with “NFPA 70”

CCC Action: Accept recommendation as submitted

605.4 Multiplug adapters. Multiplug adapters, such as cube adapters, unfused plug strips or any other device not complying with ~~the ICC Electrical Code~~ NFPA 70 shall be prohibited.

Recommendation: Delete “the ICC Electrical Code” and replace with “NFPA 70”

CCC Action: Accept recommendation as submitted

605.9 Temporary wiring. Temporary wiring for electrical power and lighting installations is allowed for a period not to exceed 90 days. Temporary wiring methods shall meet the applicable provisions of ~~the ICC Electrical Code~~ NFPA 70.

Recommendation: Delete “the ICC Electrical Code” and replace with “NFPA 70”

CCC Action: Accept recommendation as submitted

606.16 Electrical equipment. Where refrigerants of Groups A2, A3, B2 and B3, as defined in the *International Mechanical Code*, are used, refrigeration machinery rooms shall conform to the Class I, Division 2 hazardous location classification requirements of the ~~ICC Electrical Code~~ NFPA 70.

Recommendation: Delete “the ICC Electrical Code” and replace with “NFPA 70”

CCC Action: Accept recommendation as submitted

904.3.1 Electrical wiring. Electrical wiring shall be in accordance with the ~~ICC Electrical Code~~ NFPA 70.

Recommendation: Delete “the ICC Electrical Code” and replace with “NFPA 70”

CCC Action: Accept recommendation as submitted

907.6 Wiring. Wiring shall comply with the requirements of the ~~ICC Electrical Code~~ NFPA 70 and NFPA 72. Wireless protection systems utilizing radio-frequency transmitting devices shall comply with the special requirements for supervision of low-power wireless systems in NFPA 72.

Recommendation: Delete “the ICC Electrical Code” and replace with “NFPA 70”

CCC Action: Accept recommendation as submitted

(SUPP) 907.7.1 Wiring. Wiring shall comply with the requirements of the ~~International Code Council Electrical Code Administrative Provisions~~ NFPA 70 and NFPA 72. Wireless protection systems utilizing radio-frequency transmitting devices shall comply with the special requirements for supervision of low-power wireless systems in NFPA 72.

Recommendation: Delete “the International Code Council Electrical Code Administrative Provisions” and replace with “NFPA 70”

CCC Action: Accept recommendation as submitted

(SUPP) 909.11 Power systems. The smoke control system shall be supplied with two sources of power. Primary power shall be the normal building power systems. Secondary power shall be from an approved standby source complying with Chapter 27 of the International Building Code ~~the International Code Council Electrical Code Administrative Provisions~~ NFPA 70. The standby power source and its transfer switches shall be in a room separate from the normal power transformers and switch gear and ventilated directly to and from the exterior. The room shall be enclosed with not less than 1-hour fire barriers constructed in accordance with Section 706 of the *International Building Code* or horizontal assemblies constructed in accordance with Section 711 of the *International Building Code*, or both. Power distribution from the two sources shall be by independent routes. ~~Transfer to full standby power shall be automatic and within 60 seconds of failure of the primary power. The systems shall comply with this code or the International Code Council Electrical Code Administrative Provisions~~ NFPA 70

Recommendation: Replace “the International Code Council Electrical Code Administrative Provisions” with “NFPA 70 in 3rd line and “or the International Code Council Electrical Code Administrative Provisions” with “and NFPA 70” in the last line

CCC Action: Modify the recommendation as shown in RED above.

909.12.1 Wiring. In addition to meeting requirements of the ~~ICC Electrical Code~~ NFPA 70, all wiring, regardless of voltage, shall be fully enclosed within continuous raceways.

Recommendation: Delete “the ICC Electrical Code” and replace with “NFPA 70”

CCC Action: Accept recommendation as submitted

909.16.3 Control action and priorities. The fire-fighter’s control panel actions shall be as follows:

1. ON-OFF and OPEN-CLOSE control actions shall have the highest priority of any control point within the building. Once issued from the fire-fighter’s control panel, no automatic or manual control from any other control point within the building shall contradict the control action. Where automatic means are provided to interrupt normal, nonemergency equipment operation or produce a specific result to safeguard the building or equipment (i.e., duct freezestats, duct smoke detectors, high-temperature cutouts, temperature-actuated linkage and similar devices), such means shall be capable of being overridden by the fire-fighter’s control panel. The last control action as indicated by each fire-fighter’s control panel switch position shall prevail. In no case shall control actions require the smoke control system to assume more than one configuration at any one time.

Exception: Power disconnects required by NFPA 70 ~~the ICC Electrical Code~~.

(No change to item 2)

Recommendation: Delete “the ICC Electrical Code” and replace with “NFPA 70”

CCC Action: Accept recommendation as submitted

1106.3.4 Protection of electrical equipment. Electric wiring, switches, lights and other sources of ignition, when located in a compartment housing piping, pumps, air eliminators, water separators, hose reels or similar equipment, shall be enclosed in a vapor-tight housing. Electrical motors located in such a compartment shall be of a type approved for use as specified in ~~ICC Electrical Code~~ NFPA 70.

Recommendation: Delete “ICC Electrical Code” and replace with “NFPA 70”

CCC Action: Accept recommendation as submitted

1204.2.3 Electrical wiring and equipment. Electrical wiring and equipment in dry cleaning rooms or other locations subject to flammable vapors shall be installed in accordance with ~~the ICC *Electrical Code*~~ NFPA 70.

Recommendation: Delete “the ICC *Electrical Code*” and replace with “NFPA 70”

CCC Action: Accept recommendation as submitted

**TABLE 1304.1
EXPLOSION PROTECTION STANDARDS**

STANDARD	SUBJECT
NFPA 61	Agricultural and Food Products
NFPA 69	Explosion Prevention
<u>NFPA 70</u>	<u>National Electrical Code</u>
NFPA 85	Boiler and Combustion System Hazards
NFPA 120	Coal Preparation Plants
NFPA 484	Combustible Metals, Metal Powders and Metal Dusts
NFPA 654	Manufacturing, Processing and Handling of Combustible Particulate Solids
NFPA 655	Prevention of Sulfur Fires and Explosions
NFPA 664	Prevention of Fires and Explosions in Wood Processing and Woodworking Facilities
ICC <i>Electrical Code</i>	Electrical Installations

Recommendation: Delete row “ICC *Electrical Code*” and add new row “NFPA 70”

1404.7 Electrical. Temporary wiring for electrical power and lighting installations used in connection with the construction, alteration or demolition of buildings, structures, equipment or similar activities shall comply with ~~the ICC *Electrical Code*~~ NFPA 70.

Recommendation: Delete “the ICC *Electrical Code*” and replace with “NFPA 70”

CCC Action: Accept recommendation as submitted

1503.2.1 Electrical wiring and equipment. Electrical wiring and equipment shall comply with this chapter and ~~the ICC *Electrical Code*~~ NFPA 70.

Recommendation: Delete “the ICC *Electrical Code*” and replace with “NFPA 70”

CCC Action: Accept recommendation as submitted

1503.2.1.1 Flammable vapor areas. Electrical wiring and equipment in flammable vapor areas shall be of an explosion proof type approved for use in such hazardous locations. Such areas shall be considered to be Class I, Division 1 or Class II, Division 1 hazardous locations in accordance with ~~the ICC *Electrical Code*~~ NFPA 70.

Recommendation: Delete “the ICC *Electrical Code*” and replace with “NFPA 70”

CCC Action: Accept recommendation as submitted

1503.2.1.4 Areas subject to overspray deposits. Electrical equipment in flammable vapor areas located such that deposits of combustible residues could readily accumulate thereon shall be specifically approved for locations containing deposits of readily ignitable residue and explosive vapors in accordance with ~~the ICC *Electrical Code*~~ NFPA 70.

Exceptions:

1. through 3. (No change to current text)

Recommendation: Delete “the ICC *Electrical Code*” and replace with “NFPA 70”

CCC Action: Accept recommendation as submitted

1503.2.5 Grounding. Metal parts of spray booths, exhaust ducts and piping systems conveying Class I or II liquids shall be electrically grounded in accordance with ~~the ICC *Electrical Code*~~ NFPA 70. Metallic parts located in resin application areas, including but not limited to exhaust ducts, ventilation fans, spray application equipment, workpieces and piping, shall be electrically grounded.

Recommendation: Delete “the ICC *Electrical Code*” and replace with “NFPA 70”

CCC Action: Accept recommendation as submitted

1504.6.1.2.2 Portable infrared apparatus. When a portable infrared drying apparatus is used, electrical wiring and portable infrared drying equipment shall comply with ~~the ICC *Electrical Code*~~ NFPA 70. Electrical equipment located within 18 inches (457 mm) of floor level shall be approved for Class I, Division 2 hazardous locations. Metallic parts of drying apparatus shall be electrically bonded and grounded. During spraying operations, portable drying apparatus and electrical connections and wiring thereto shall not be located within spray booths, spray rooms or other areas where spray residue would be deposited thereon.

Recommendation: Delete “the ICC *Electrical Code*” and replace with “NFPA 70”

CCC Action: Accept recommendation as submitted

1504.9.4 Electrical wiring. Electrical wiring within 10 feet (3048 mm) of the floor and 20 feet (6096 mm) horizontally of the limited spraying space shall be designed for Class I, Division 2 locations in accordance with ~~the ICC *Electrical Code*~~ NFPA 70.

Recommendation: Delete “the ICC Electrical Code” and replace with “NFPA 70”

CCC Action: Accept recommendation as submitted

1604.5 Heating. Heating shall be by indirect means utilizing low-pressure steam, hot water, or warm air.

Exception: Electric or fuel-fired heaters approved for use in hazardous (classified) locations which are installed and operated in accordance with the applicable provisions of ~~the ICC Electrical Code~~ NFPA 70, the *International Mechanical Code* or the *International Fuel Gas Code*.

Recommendation: Delete “the ICC Electrical Code” and replace with “NFPA 70”

CCC Action: Accept recommendation as submitted

1703.2.1 Electricity. Electricity shall be shut off.

Exception: Circulating fans that have been specifically designed for utilization in hazardous atmospheres and installed in accordance with ~~the ICC Electrical Code~~ NFPA 70.

Recommendation: Delete “the ICC Electrical Code” and replace with “NFPA 70”

CCC Action: Accept recommendation as submitted

1803.7.1 Fabrication areas. Electrical wiring and equipment in fabrication areas shall comply with ~~the ICC Electrical Code~~ NFPA 70.

Recommendation: Delete “the ICC Electrical Code” and replace with “NFPA 70”

CCC Action: Accept recommendation as submitted

1803.7.2 Workstations. Electrical equipment and devices within 5 feet (1524 mm) of workstations in which flammable or pyrophoric gases or flammable liquids are used shall comply with ~~the ICC Electrical Code~~ NFPA 70 for Class I, Division 2 hazardous locations. Workstations shall not be energized without adequate exhaust ventilation in accordance with Section 1803.14.

Exception: (No change to current text)

Recommendation: Delete “the ICC Electrical Code” and replace with “NFPA 70”

CCC Action: Accept recommendation as submitted

1803.7.3 Hazardous production material (HPM) rooms, gas rooms and liquid storage rooms. Electrical wiring and equipment in HPM rooms, gas rooms and liquid storage rooms shall comply with ~~the ICC Electrical Code~~ NFPA 70.

Recommendation: Delete “the ICC Electrical Code” and replace with “NFPA 70”

CCC Action: Accept recommendation as submitted

1903.4 Electrical equipment. Electrical wiring and equipment shall comply with ~~the ICC Electrical Code~~ NFPA 70.

Recommendation: Delete “the ICC Electrical Code” and replace with “NFPA 70”

CCC Action: Accept recommendation as submitted

2004.1 Wiring and equipment. Electrical wiring and equipment shall comply with this chapter and shall be installed in accordance with ~~the ICC Electrical Code~~ NFPA 70.

Recommendation: Delete “the ICC Electrical Code” and replace with “NFPA 70”

CCC Action: Accept recommendation as submitted

2201.5 Electrical. Electrical wiring and equipment shall be suitable for the locations in which they are installed and shall comply with Section 605, NFPA 30A and ~~the ICC Electrical Code~~ NFPA 70.

Recommendation: Delete “the ICC Electrical Code” and replace with “NFPA 70”

CCC Action: Accept recommendation as submitted

2205.4 Sources of ignition. Smoking and open flames shall be prohibited in areas where fuel is dispensed. The engines of vehicles being fueled shall be shut off during fueling. Electrical equipment shall be in accordance with ~~the ICC Electrical Code~~ NFPA 70.

Recommendation: Delete “the ICC Electrical Code” and replace with “NFPA 70”

CCC Action: Accept recommendation as submitted

2208.8.1.2.4 Grounding and bonding. The structure or appurtenance used for supporting the cylinder shall be grounded in accordance with ~~the ICC Electrical Code~~ NFPA 70. The cylinder valve shall be bonded prior to the commencement of venting operations.

Recommendation: Delete “the ICC Electrical Code” and replace with “NFPA 70”

CCC Action: Accept recommendation as submitted

2209.2.3 Electrical equipment. Electrical installations shall be in accordance with ~~the ICC *Electrical Code*~~ NFPA 70.

Recommendation: Delete “the ICC *Electrical Code*” and replace with “NFPA 70”

CCC Action: Accept recommendation as submitted

2211.3.1 Equipment. Appliances and equipment installed in a repair garage shall comply with the provisions of the *International Building Code*, the *International Mechanical Code* and ~~the ICC *Electrical Code*~~ NFPA 70.

Recommendation: Delete “the ICC *Electrical Code*” and replace with “NFPA 70”

CCC Action: Accept recommendation as submitted

2211.8.1.2.4 Grounding and bonding. Cylinders, containers or tanks and piping systems used for defueling shall be bonded and grounded. Structures or appurtenances used for supporting the cylinders, containers or tanks shall be grounded in accordance with ~~the ICC *Electrical Code*~~ NFPA 70. The valve of the vehicle storage tank shall be bonded with the defueling system prior to the commencement of discharge or defueling operations.

Recommendation: Delete “the ICC *Electrical Code*” and replace with “NFPA 70”

CCC Action: Accept recommendation as submitted

(SUPP) 2403.12.6.1 Exit sign illumination. Exit signs shall be listed and labeled as a self-luminous type having a minimum duration of 90 minutes luminosity or shall be internally or externally illuminated by luminaires supplied in the following manner:

1. Two separate circuits, one of which shall be separate from all other circuits, for occupant loads of 300 or less; or
2. Two separate sources of power, one of which shall be an approved emergency system, shall be provided when the occupant load exceeds 300. Emergency systems shall be supplied from storage batteries or from the on-site generator set, and the system shall be installed in accordance with ~~the International Code Council *Electrical Code Administrative Provisions*~~ Section 604 and NFPA 70. The emergency system provided shall have a minimum duration of 90 minutes when operated at full design demand.

Recommendation: Delete “the International Code Council *Electrical Code Administrative Provisions*” and replace with “NFPA 70”

CCC Action: Accept recommendation as submitted

2404.15.7 Electrical heating and cooking equipment. Electrical cooking and heating equipment shall comply with ~~the ICC *Electrical Code*~~ NFPA 70.

Recommendation: Delete “the ICC *Electrical Code*” and replace with “NFPA 70”

CCC Action: Accept recommendation as submitted

2606.4 Emergency disconnect. A switch or circuit breaker shall be provided so that fixed electric welders and control equipment can be disconnected from the supply circuit. The disconnect shall be installed in accordance with ~~the ICC *Electrical Code*~~ NFPA 70.

Recommendation: Delete “the ICC *Electrical Code*” and replace with “NFPA 70”

CCC Action: Accept recommendation as submitted

2703.7.3 Industrial trucks. Powered industrial trucks used in areas designated as hazardous (classified) locations in accordance with ~~the ICC *Electrical Code*~~ NFPA 70 shall be listed and labeled for use in the environment intended in accordance with NFPA 505.

Recommendation: Delete “the ICC *Electrical Code*” and replace with “NFPA 70”

CCC Action: Accept recommendation as submitted

2703.8.7.1 Construction. The interior of cabinets shall be treated, coated or constructed of materials that are nonreactive with the hazardous material stored. Such treatment, coating or construction shall include the entire interior of the cabinet. Cabinets shall either be listed in accordance with UL 1275 as suitable for the intended storage or constructed in accordance with the following:

1. Cabinets shall be of steel having a thickness of not less than 0.0478 inch (1.2 mm) (No. 18 gage). The cabinet, including the door, shall be double walled with a 1.5-inch (38 mm) airspace between the walls. Joints shall be riveted or welded and shall be tight fitting. Doors shall be well fitted, self-closing and equipped with a self-latching device.
2. The bottoms of cabinets utilized for the storage of liquids shall be liquid tight to a minimum height of 2 inches (51 mm).

Electrical equipment and devices within cabinets used for the storage of hazardous gases or liquids shall be in accordance with ~~the ICC *Electrical Code*~~ NFPA 70.

Recommendation: Delete “the ICC *Electrical Code*” and replace with “NFPA 70”

CCC Action: Accept recommendation as submitted

2703.9.4 Electrical wiring and equipment. Electrical wiring and equipment shall be maintained in accordance with ~~the ICC *Electrical Code*~~ NFPA 70.

Recommendation: Delete “the ICC Electrical Code” and replace with “NFPA 70”

CCC Action: Accept recommendation as submitted

(SUPP) 2704.7 Standby or emergency power. Where mechanical ventilation, treatment systems, temperature control, alarm, detection or other electrically operated systems are required, such systems shall be provided with an emergency or standby power system in accordance with ~~the International Code Council Electrical Code Administrative Provisions~~ and Section 604 and NFPA 70.

Exceptions:

1. Storage areas for Class 1 and 2 oxidizers.
2. Storage areas for Class II, III, IV and V organic peroxides.
3. Storage areas for asphyxiant, irritant and radioactive gases.
4. For storage areas for highly toxic or toxic materials, see Sections 3704.2.2.8 and 3704.3.2.6.
5. Standby power for mechanical ventilation, treatment systems and temperature control systems shall not be required where an approved fail-safe engineered system is installed.

Recommendation: Delete “the International Code Council Electrical Code Administrative Provisions”

CCC Action: Modify the recommendation as shown in RED above.

2705.1.5 Standby or emergency power. Where mechanical ventilation, treatment systems, temperature control, manual alarm, detection or other electrically operated systems are required, such systems shall be provided with an emergency or standby power system in accordance with ~~the ICC Electrical Code~~ and Section 604 and NFPA 70.

Exceptions:

1. and 2. (No change to current text)

Recommendation: Delete “the ICC Electrical Code and”

CCC Action: Modify the recommendation as shown in RED above.

3003.7.6 Heating. Compressed gas containers, cylinders and tanks, whether full or partially full, shall not be heated by devices which could raise the surface temperature of the container, cylinder or tank to above 125°F (52°C). Heating devices shall comply with the *International Mechanical Code* and ~~the ICC Electrical Code~~ NFPA 70. Approved heating methods involving temperatures of less than 125°F (52°C) are allowed to be used by trained personnel. Devices designed to maintain individual compressed gas containers, cylinders or tanks at constant temperature shall be approved and shall be designed to be fail safe.

Recommendation: Delete “the ICC Electrical Code” and replace with “NFPA 70”

CCC Action: Accept recommendation as submitted

3003.8 Wiring and equipment. Electrical wiring and equipment shall comply with ~~the ICC Electrical Code~~ NFPA 70. Compressed gas containers, cylinders, tanks and systems shall not be located where they could become part of an electrical circuit. Compressed gas containers, cylinders, tanks and systems shall not be used for electrical grounding.

Recommendation: Delete “the ICC Electrical Code” and replace with “NFPA 70”

CCC Action: Accept recommendation as submitted

3003.16.11 Liquid removal. Means shall be provided to recover liquid from the vault. Where a pump is used to meet this requirement, it shall not be permanently installed in the vault. Electric-powered portable pumps shall be suitable for use in Class I, Division 1 locations, as defined in ~~the ICC Electrical Code~~ NFPA 70.

Recommendation: Delete “the ICC Electrical Code” and replace with “NFPA 70”

CCC Action: Accept recommendation as submitted

3003.16.14 Classified area. The interior of a vault containing a flammable gas shall be designated a Class I, Division 1 location, as defined in the ~~ICC Electrical Code~~ NFPA 70.

Recommendation: Delete “the ICC Electrical Code” and replace with “NFPA 70”

CCC Action: Accept recommendation as submitted

3203.7 Electrical wiring and equipment. Electrical wiring and equipment shall comply with the ~~ICC Electrical Code~~ NFPA 70 and Sections 3203.7.1 and 3203.7.2.

Recommendation: Delete “the ICC Electrical Code” and replace with “NFPA 70”

CCC Action: Accept recommendation as submitted

3203.7.2 Electrical grounding and bonding. Containers and systems shall not be used for electrical grounding. When electrical grounding and bonding is required, the system shall comply with the ~~ICC Electrical Code~~ NFPA 70. The grounding system shall be protected against corrosion, including corrosion caused by stray electric currents.

Recommendation: Delete “the ICC Electrical Code” and replace with “NFPA 70”

CCC Action: Accept recommendation as submitted

3403.1 Electrical. Electrical wiring and equipment shall be installed and maintained in accordance with Section 605 and the ~~ICC Electrical Code~~ NFPA 70.

Recommendation: Delete “the ICC Electrical Code” and replace with “NFPA 70”

CCC Action: Modify the recommendation as shown in RED above.

TABLE 3403.1.1 CLASS I ELECTRICAL EQUIPMENT LOCATIONS²

(No change to table contents)

- a. Locations as classified in the ~~ICC Electrical Code~~ NFPA 70.
- b. and c. (No change to current text)

Recommendation: Delete “the ICC Electrical Code” and replace with “NFPA 70”

CCC Action: Accept recommendation as submitted

3403.1.3 Other applications. The fire code official is authorized to determine the extent of the Class I electrical equipment and wiring location when a condition is not specifically covered by these requirements or the ~~ICC Electrical Code~~ NFPA 70.

Recommendation: Delete “the ICC Electrical Code” and replace with “NFPA 70”

CCC Action: Accept recommendation as submitted

(SUPP) 3404.2.8.12 Liquid removal. Means shall be provided to recover liquid from the vault. Where a pump is used to meet this requirement, the pump shall not be permanently installed in the vault. Electric-powered portable pumps shall be suitable for use in Class I, Division 1 or Zone 0 locations, as defined in the ~~International Code Council Electrical Code Administrative Provisions~~ NFPA 70.

Recommendation: Delete “the International Code Council Electrical Code Administrative Provisions” and replace with “NFPA 70”

CCC Action: Accept recommendation as submitted

3404.2.8.17 Classified area. The interior of a vault containing a tank that stores a Class I liquid shall be designated a Class I, Division 1 location, as defined in the ~~ICC Electrical Code~~ NFPA 70.

Recommendation: Delete “the ICC Electrical Code” and replace with “NFPA 70”

CCC Action: Accept recommendation as submitted

3406.2.8 Dispensing from tank vehicles. Where approved, liquids used as fuels are allowed to be transferred from tank vehicles into the tanks of motor vehicles or special equipment, provided:

1. The tank vehicle’s specific function is that of supplying fuel to motor vehicle fuel tanks.
2. The dispensing hose does not exceed 100 feet (30 480 mm) in length.
3. The dispensing nozzle is an approved type.
4. The dispensing hose is properly placed on an approved reel or in a compartment provided before the tank vehicle is moved.
5. Signs prohibiting smoking or open flames within 25 feet (7620 mm) of the vehicle or the point of refueling are prominently posted on the tank vehicle.
6. Electrical devices and wiring in areas where fuel dispensing is conducted are in accordance with the ~~ICC Electrical Code~~ NFPA 70.
7. Tank vehicle-dispensing equipment is operated only by designated personnel who are trained to handle and dispense motor fuels.

8. Provisions are made for controlling and mitigating unauthorized discharges.

Recommendation: Delete “the ICC Electrical Code” and replace with “NFPA 70”

CCC Action: Accept recommendation as submitted

3503.1.5 Electrical. Electrical wiring and equipment shall be installed and maintained in accordance with Section 605 and the ICC Electrical Code NFPA 70.

Recommendation: Delete “the ICC Electrical Code” and replace with “NFPA 70”

CCC Action: Modify the recommendation as shown in RED above.

3503.1.5.1 Bonding of electrically conductive materials and equipment. Exposed noncurrent-carrying metal parts, including metal gas piping systems, that are part of flammable gas supply systems located in a hazardous (electrically classified) location shall be bonded to a grounded conductor in accordance with the provisions of ~~the ICC Electrical Code~~ NFPA 70.

Recommendation: Delete “the ICC Electrical Code” and replace with “NFPA 70”

CCC Action: Accept recommendation as submitted

3606.5.5 Electrical equipment. Electric wiring, fixtures and equipment in the immediate vicinity of and attached to dust-producing machines, including those used in connection with separator equipment, shall be of approved types and shall be approved for use in Class II, Division 1 hazardous locations in accordance with ~~the ICC Electrical Code~~ NFPA 70.

Recommendation: Delete “the ICC Electrical Code” and replace with “NFPA 70”

CCC Action: Accept recommendation as submitted

3606.5.6 Grounding. Equipment shall be securely grounded by permanent ground wires in accordance with ~~the ICC Electrical Code~~ NFPA 70.

Recommendation: Delete “the ICC Electrical Code” and replace with “NFPA 70”

CCC Action: Accept recommendation as submitted

3704.2.2.8 Emergency power. Emergency power in accordance with ~~the ICC Electrical Code~~ Section 604 and NFPA 70 shall be provided in lieu of standby power where any of the following systems are required:

1. through 7. (No change to current text)

Exception: (No change to current text)

Recommendation: Delete “the ICC Electrical Code” and replace with “NFPA 70”

CCC Action: Modify the recommendation as shown in RED above.

REFERENCES TO ICC ELECTRICAL CODE - ADMINISTRATIVE PROVISIONS IN THE INTERNATIONAL FUEL GAS CODE

201.3 Terms defined in other codes. Where terms are not defined in this code and are defined in the ~~ICC Electrical Code~~, *International Building Code*, *International Fire Code*, *International Mechanical Code* or *International Plumbing Code*, such terms shall have meanings ascribed to them as in those codes.

Recommendation: Delete "ICC Electrical Code,"

CCC Action: Accept recommendation as submitted

(SUPP) [M] 306.3.1 Electrical requirements. A luminaire controlled by a switch located at the required passageway opening and a receptacle outlet shall be provided at or near the appliance location in accordance with ~~the International Code Council Electrical Code Administrative Provisions~~ NFPA 70.

Recommendation: Delete "the International Code Council Electrical Code Administrative Provisions" and replace with "NFPA 70"

CCC Action: Accept recommendation as submitted

[M] 306.4.1 Electrical requirements. A luminaire controlled by a switch located at the required passageway opening and a receptacle outlet shall be provided at or near the equipment location in accordance with ~~the ICC Electrical Code~~ NFPA 70.

Recommendation: Delete "the ICC Electrical Code" and replace with "NFPA 70"

CCC Action: Accept recommendation as submitted

(SUPP) [M] 306.5.2 Electrical requirements. A receptacle outlet shall be provided at or near the appliance location in accordance with ~~the International Code Council Electrical Code Administrative Provisions~~ NFPA 70.

Recommendation: Delete "the International Code Council Electrical Code Administrative Provisions" and replace with "NFPA 70"

CCC Action: Accept recommendation as submitted

(SUPP) 309.2 Connections. Electrical connections between appliances and the building wiring, including the grounding of the appliances, shall conform to ~~the International Code Council Electrical Code Administrative Provisions~~ NFPA 70.

Recommendation: Delete "the International Code Council Electrical Code Administrative Provisions" and replace with "NFPA 70"

CCC Action: Accept recommendation as submitted

[F] 413.9.2.4 Grounding and bonding. The structure or appurtenance used for supporting the cylinder shall be grounded in accordance with ~~the ICC Electrical Code~~ NFPA 70. The cylinder valve shall be bonded prior to the commencement of venting operations.

Recommendation: Delete "the ICC Electrical Code" and replace with "NFPA 70"

CCC Action: Accept recommendation as submitted

[F] 703.6 Electrical wiring and equipment. Electrical wiring and equipment shall comply with ~~the ICC Electrical Code~~ NFPA 70.

Recommendation: Delete "the ICC Electrical Code" and replace with "NFPA 70"

CCC Action: Accept recommendation as submitted

REFERENCES TO ICC ELECTRICAL CODE - ADMINISTRATIVE PROVISIONS IN THE INTERNATIONAL MECHANICAL CODE

201.3 Terms defined in other codes. Where terms are not defined in this code and are defined in the *International Building Code*, ~~ICC Electrical Code~~, *International Fire Code*, *International Fuel Gas Code* or the *International Plumbing Code*, such terms shall have meanings ascribed to them as in those codes.

Recommendation: Delete "ICC Electrical Code,"

CCC Action: Accept recommendation as submitted

301.7 Electrical. Electrical wiring, controls and connections to equipment and appliances regulated by this code shall be in accordance with ~~the ICC Electrical Code~~ NFPA 70.

Recommendation: Delete "the ICC Electrical Code" and replace with "NFPA 70"

CCC Action: Accept recommendation as submitted

306.3.1 Electrical requirements. A luminaire controlled by a switch located at the required passageway opening and a receptacle outlet shall be provided at or near the appliance location in accordance with ~~the ICC Electrical Code~~ NFPA 70.

Recommendation: Delete "the ICC Electrical Code" and replace with "NFPA 70"

CCC Action: Accept recommendation as submitted

306.4.1 Electrical requirements. A luminaire controlled by a switch located at the required passageway opening and a receptacle outlet shall be provided at or near the appliance location in accordance with ~~the ICC Electrical Code~~ NFPA 70.

Recommendation: Delete "the ICC Electrical Code" and replace with "NFPA 70"

CCC Action: Accept recommendation as submitted

306.5.2 Electrical requirements. A receptacle outlet shall be provided at or near the equipment location in accordance with ~~the ICC Electrical Code~~ NFPA 70.

Recommendation: Delete "the ICC Electrical Code" and replace with "NFPA 70"

CCC Action: Accept recommendation as submitted

511.1.1 Collectors and separators. Collectors and separators involving such systems as centrifugal separators, bag filter systems and similar devices, and associated supports shall be constructed of noncombustible materials and shall be located on the exterior of the building or structure. A collector or separator shall not be located nearer than 10 feet (3048 mm) to combustible construction or to an unprotected wall or floor opening, unless the collector is provided with a metal vent pipe that extends above the highest part of any roof with a distance of 30 feet (9144 mm).

Exceptions:

1. Collectors such as "Point of Use" collectors, close extraction weld fume collectors, spray finishing booths, stationary grinding tables, sanding booths, and integrated or machine-mounted collectors shall be permitted to be installed indoors provided the installation is in accordance with the *International Fire Code* and ~~the ICC Electrical Code~~ NFPA 70.
2. Collectors in independent exhaust systems handling combustible dusts shall be permitted to be installed indoors provided that such collectors are installed in compliance with the *International Fire Code* and ~~the ICC Electrical Code~~ NFPA 70.

Recommendation: Delete "ICC Electrical Code" and replace with "NFPA 70" in Exceptions 1 and 2

CCC Action: Accept recommendation as submitted

(SUPP) [F] 513.11 Power systems. The smoke control system shall be supplied with two sources of power. Primary power shall be the normal building power systems. Secondary power shall be from an approved standby source complying with ~~the International Code Council Electrical Code Administrative Provisions NFPA 70 Chapter 27 of the International Building Code~~. The standby power source and its transfer switches shall be in a room separate from the normal power transformers and switch gear and ventilated directly to and from the exterior. The room shall be enclosed with not less than 1-hour fire-resistance-rated fire barriers constructed in accordance with Section 706 of the *International Building Code* or horizontal assemblies constructed in accordance with Section 711 of the *International Building Code*, or both. Power distribution from the two sources shall be by independent routes. Transfer to full standby power shall be automatic and within 60seconds of failure of the primary power. ~~The systems shall comply with the International Code Council Electrical Code Administrative Provisions NFPA 70.~~

Recommendation: Delete "the International Code Council Electrical Code Administrative Provisions" and replace with "NFPA 70" in 2 places

CCC Action: Modify the recommendation as shown in RED above.

[F] 513.12.1 Wiring. In addition to meeting the requirements of ~~the ICC Electrical Code~~ NFPA 70, all wiring, regardless of voltage, shall be fully enclosed within continuous raceways.

Recommendation: Delete “the ICC Electrical Code” and replace with “NFPA 70”

CCC Action: Accept recommendation as submitted

602.2.1.1 Wiring. Combustible electrical or electronic wiring methods and materials, optical fiber cable, and optical fiber raceway exposed within a plenum shall have a peak optical density not greater than 0.50, an average optical density not greater than 0.15, and a flame spread not greater than 5 feet (1524 mm) when tested in accordance with NFPA 262. Only type OFNP (plenum rated nonconductive optical fiber cable) shall be installed in plenum-rated optical fiber raceways. Wiring, cable, and raceways addressed in this section shall be listed and labeled as plenum rated and shall be installed in accordance with ~~ICC Electrical Code~~ NFPA 70.

Recommendation: Delete “ICC Electrical Code” and replace with “NFPA 70”

CCC Action: Accept recommendation as submitted

1106.3 Ammonia room ventilation. Ventilation systems in ammonia machinery rooms shall be operated continuously at the emergency ventilation rate determined in accordance with Section 1105.6.4.

Exceptions:

1. Machinery rooms equipped with a vapor detector that will automatically start the ventilation system at the emergency rate determined in accordance with Section 1105.6.4, and that will actuate an alarm at a detection level not to exceed 1,000 ppm; or
2. Machinery rooms conforming to the Class 1, Division 2, hazardous location classification requirements of ~~the ICC Electrical Code~~ NFPA 70.

Recommendation: Delete “ICC Electrical Code” and replace with “NFPA 70”

CCC Action: Accept recommendation as submitted

1106.4 Flammable refrigerants. Where refrigerants of Groups A2, A3, B2 and B3 are used, the machinery room shall conform to the Class 1, Division 2, hazardous location classification requirements of ~~the ICC Electrical Code~~ NFPA 70.

Exception: Ammonia machinery rooms.

Recommendation: Delete “ICC Electrical Code” and replace with “NFPA 70”

CCC Action: Accept recommendation as submitted

REFERENCES TO ICC ELECTRICAL CODE - ADMINISTRATIVE PROVISIONS IN THE INTERNATIONAL PLUMBING CODE

201.3 Terms defined in other codes. Where terms are not defined in this code and are defined in the *International Building Code*, *International Fire Code*, ~~ICC Electrical Code~~, *International Fuel Gas Code* or the *International Mechanical Code*, such terms shall have the meanings ascribed to them as in those codes.

Recommendation: Delete "ICC Electrical Code,"

CCC Action: Accept recommendation as submitted

502.1 General. Water heaters shall be installed in accordance with the manufacturer's installation instructions. Oil-fired water heaters shall conform to the requirements of this code and the *International Mechanical Code*. Electric water heaters shall conform to the requirements of this code and provisions of ~~the ICC Electrical Code~~ NFPA 70. Gas-fired water heaters shall conform to the requirements of the *International Fuel Gas Code*.

Recommendation: Delete "ICC Electrical Code" and replace with "NFPA 70"

CCC Action: Accept recommendation as submitted

504.3 Shutdown. A means for disconnecting an electric hot water supply system from its energy supply shall be provided in accordance with ~~the ICC Electrical Code~~ NFPA 70. A separate valve shall be provided to shut off the energy fuel supply to all other types of hot water supply systems.

Recommendation: Delete "ICC Electrical Code" and replace with "NFPA 70"

CCC Action: Accept recommendation as submitted

1113.1.3 Electrical. Electrical service outlets, when required, shall meet the requirements of ~~the ICC Electrical Code~~ NFPA 70.

Recommendation: Delete "ICC Electrical Code" and replace with "NFPA 70"

CCC Action: Accept recommendation as submitted

REFERENCES TO ICC ELECTRICAL CODE - ADMINISTRATIVE PROVISIONS IN THE INTERNATIONAL PROPERTY MAINTENANCE CODE

102.3 Application of other codes. Repairs, additions or alterations to a structure, or changes of occupancy, shall be done in accordance with the procedures and provisions of the *International Building Code*, *International Fuel Gas Code* ~~and the International Mechanical Code~~ ~~and NFPA70.~~ ~~and the ICC Electrical Code.~~ Nothing in this code shall be construed to cancel, modify or set aside any provision of the *International Zoning Code*.

Recommendation: Delete “and the ICC Electrical Code”

CCC Action: Modify the recommendation as shown in RED above.

201.3 Terms defined in other codes. Where terms are not defined in this code and are defined in the *International Building Code*, *International Fire Code*, *International Zoning Code*, *International Plumbing Code*, or the International Mechanical Code ~~or the ICC Electrical Code~~, such terms shall have the meanings ascribed to them as stated in those codes.

Recommendation: Delete “or the ICC Electrical Code”

CCC Action: Accept recommendation as submitted

604.2 Service. The size and usage of appliances and equipment shall serve as a basis for determining the need for additional facilities in accordance with ~~the ICC Electrical Code~~ NFPA 70. Dwelling units shall be served by a three-wire, 120/240 volt, single-phase electrical service having a rating of not less than 60 amperes.

Recommendation: Delete “the ICC Electrical Code” and replace with “NFPA 70”

CCC Action: Accept recommendation as submitted

REFERENCES TO ICC ELECTRICAL CODE - ADMINISTRATIVE PROVISIONS IN THE INTERNATIONAL RESIDENTIAL CODE

R107.3 Temporary power. The building official is authorized to give permission to temporarily supply and use power in part of an electric installation before such installation has been fully completed and the final certificate of completion has been issued. The part covered by the temporary certificate shall comply with the requirements specified for temporary lighting, heat or power in the ~~ICC Electrical Code~~ NFPA 70.

Recommendation: Delete “the ICC Electrical Code” and replace with “NFPA 70”

CCC Action: Accept recommendation as submitted

G2402.3 (201.3) Terms defined in other codes. Where terms are not defined in this code and are defined in the ~~ICC Electrical Code~~, *International Building Code*, *International Fire Code*, *International Mechanical Code* or *International Plumbing Code*, such terms shall have meanings ascribed to them as in those codes.

Recommendation: Delete “ICC Electrical Code”

CCC Action: Accept recommendation as submitted

REFERENCES TO ICC ELECTRICAL CODE - ADMINISTRATIVE PROVISIONS IN THE INTERNATIONAL WILDLAND-URBAN INTERFACE CODE

404.10.3 Standby power. Stationary water supply facilities within the wildland-urban interface area dependent on electrical power to meet adequate water supply demands shall provide standby power systems in accordance with ~~the ICC Electrical Code~~ Chapter 27 of the International Building Code, Section 604 of the International Fire Code and NFPA 70 to ensure that an uninterrupted water supply is maintained. The standby power source shall be capable of providing power for a minimum of two hours.

Exceptions: (No change to exceptions)

Recommendation: Delete "the ICC Electrical Code" and replace with "NFPA 70"

CCC Action: Modify the recommendation as shown in RED above.

A107.5 Protection of electrical power supplies. When electrical pumps are used to provide the required water supply, such pumps shall be connected to a standby power source to automatically maintain electrical power in the event of power loss. The standby power source shall be capable of providing power for a minimum of two hours in accordance with Chapter 27 of the International Building Code, Section 604 of the International Fire Code and NFPA 70. ~~the ICC Electrical Code~~

Exception: (No change to exception)

Recommendation: Delete "the ICC Electrical Code" and replace with "NFPA 70"

CCC Action: Modify the recommendation as shown in RED above.

REFERENCES TO ICC ELECTRICAL CODE – ADMINISTRATIVE PROVISIONS IN THE INTERNATIONAL ZONING CODE

1008.2.5 Portable signs. Portable signs shall be permitted only in the C, CR and FI districts, as designated in this code, subject to the following limitations:

1. No more than one such sign may be displayed on any property, and shall not exceed a height of [JURISDICTION TO INSERT NUMBER] feet nor an area of [JURISDICTION TO INSERT NUMBER] square feet.
2. Such signs shall be displayed not more than 20 days in any calendar year.
3. Any electrical portable signs shall comply with ~~the ICC Electrical Code~~ NFPA 70, as adopted in this jurisdiction.
4. No portable sign shall be displayed prior to obtaining a sign permit.

Recommendation: Delete “the ICC Electrical Code” and replace with “NFPA 70”

CCC Action: Accept the recommendation as submitted.