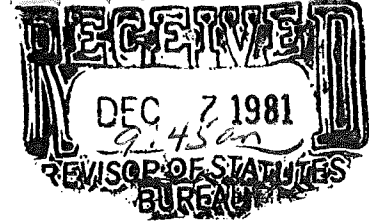


Ind 50, 51

RULES CERTIFICATE

STATE OF WISCONSIN)
) SS
DEPT. OF INDUSTRY,)
LABOR & HUMAN RELATIONS)



TO ALL TO WHOM THESE PRESENTS SHALL COME, GREETINGS:

I, Lowell B. Jackson, Secretary of the Department of Industry, Labor and Human Relations, and custodian of the official records

of said department, do hereby certify that the annexed rule(s) relating to Chs. Ind 50-64 Bldg. & Htg., Ventilating & Air Conditioning Code Health Care Facility HVAC were duly

(Subject) approved and adopted by this department on Dec. 4 1981.
(Date)

I further certify that said copy has been compared by me with the original on file in this department and that the same is a true copy thereof, and of the whole of such original.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the official seal of the department at Jan in the city of Madison, this 4th day of Dec A.D. 1981.

Lowell B. Jackson
Secretary

ORDER OF ADOPTION

Pursuant to authority vested in the Department of Industry, Labor and Human Relations by section(s) 101.02(1), 101.02(15)(h)-(j), Stats., the Department of Industry, Labor and Human Relations hereby creates; amends; repeals and recreates; and repeals and adopts rules of Wisconsin Administrative Code chapter(s):

Ind. 50-64 Bldg. & Htg., Ventilating & Air Conditioning Code
(Number) Health Care Facility HVAC (Title)

The attached rules shall take effect on The First Day Following Publication in the Wisconsin Administrative Register _____, pursuant to section 227.026, Stats.

Adopted at Madison, Wisconsin, this 4th day of December, A.D., 1981.

DEPARTMENT OF INDUSTRY, LABOR AND HUMAN RELATIONS

Lawell S. Jacobs
Secretary



RULES in FINAL DRAFT FORM

Rule: Chs. Ind 50-64

Relating to: Building and Heating, Ventilating and Air Conditioning
Code - Health Care Facility HVAC

Administrative rules to renumber s. Ind 51.01 (71a) to be s. Ind 51.01 (71c); to amend ss. Ind 50.02, Ind 51.27 (7a); to repeal and recreate s. Ind 64.57; to create ss. Ind 51.01 (71a), Ind 51.01 (86a), Ind 51.01 (93a), Ind 51.27 (12), Ind 51.27 (13), Ind 51.27 (14), Ind 51.27 (15) related to Health Care Heating, Ventilating and Air Conditioning.

ANALYSIS OF RULES

The Division of Safety and Buildings of the Department of Industry, Labor and Human Relations is responsible for the promulgation of the Building and Heating, Ventilating and Air Conditioning Code, chapters Ind 50-64. Sections of this code are being revised to establish minimum heating, ventilating and air conditioning standards for health care facilities. The proposed rules, which are consistent with the administrative rules of DH&SS and the federal certification requirements, will replace existing rules governing health care facility heating, ventilating and air conditioning systems.

The proposed rules adopt the federal certification requirements and necessary secondary reference standards by reference.

Pursuant to the authority vested in the state of Wisconsin's Department of Industry, Labor and Human Relations by s. 101.02 (1), ss. 101.02 (15) (h) through (j), Stats., the department hereby creates, amends and repeals and recreates rules interpreting s. 101.02 (1) and ss. 101.02 (15) (h) through (j), Stats., as follows:

SECTION 1. Ind 50.02 is amended to read:

Ind 50.02 SCOPE OF CODE CHAPTERS. The provisions of ~~this code~~ chs. Ind 50-64 shall apply to all public buildings and places of employment. The term "building or structure" as ~~hereinafter~~ used in this code these chapters shall mean public building or place of employment. The provisions of ~~this code these chapters~~ are not retroactive unless specifically stated in the administrative rule. Where different sections of this code these chapters specify different requirements, the most restrictive requirement shall govern, except as specified in ss. Ind 51.02 (i1) (b) 4. and Ind 64.57 (3). The appendix provides explanatory material related to specific ~~code~~ requirements.

Note: For a definition of "public building" and "place of employment", see ss. Ind 51.01 (102a) and 51.01 (104a) or s. 101.01 (2), Stats.

SECTION 2. Ind 51.01 (71a) is renumbered to be Ind 51.01 (71c) and 51.01 (71a) is created to read:

Ind 51.01 (71a) "Hospital" means any building, structure, institution or place used for the maintenance and operation of facilities for the diagnosis, treatment of and medical or surgical care for 3 or more nonrelated individuals hereinafter designated patients, suffering from illness, disease, injury or disability, whether physical or mental, and including pregnancy and regularly making available at least clinical laboratory services, and diagnostic X-ray services and treatment facilities for surgery, or obstetrical care, or other definitive medical treatment.

SECTION 3. Ind 51.01 (86a) is created to read:

Ind 51.01 (86a) "Nursing home" means any building, structure, institution or place which provides 24-hour services including board and room to 3 or more unrelated residents who because of their mental or physical condition require nursing care or personal care in excess of 7 hours a week. The term "nursing home" wherever used in chs. Ind 50-64, includes nursing and convalescent homes, skilled nursing facilities, infirmaries in homes for the aged, and intermediate care facilities of 15 beds or more.

SECTION 4. Ind 51.01 (93a) is created to read:

Ind 51.01 (93a) "Outpatient surgical facility" means a facility devoted to the performance of surgical procedures utilizing inhalation anesthetics without anticipation of the overnight stay of patients.

SECTION 5. Ind 51.27 (7a) is amended to read:

Ind 51.27 (7a) National Fire Protection Association, ~~470 Atlantic Avenue, Boston, Batterymarch Park, Quincy, Mass. 02240~~ 02269; STANDARD FOR PORTABLE FIRE EXTINGUISHERS, NFPA No. 10-1978; STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS, NFPA No. ~~13-1974~~, 13-1980; STANDARD FOR THE CARE AND MAINTENANCE OF SPRINKLER SYSTEMS, NFPA No. 13A-1978; STANDARD FOR THE INSTALLATION OF CENTRIFUGAL FIRE PUMPS, NFPA No. ~~20-1974~~, 20-1980; STANDARD FOR WATER TANKS FOR PRIVATE FIRE PROTECTION, NFPA No. ~~22-1974~~, 22-1978; STANDARD FOR OUTSIDE PROTECTION, NFPA No. ~~24-1973~~, 24-1977; STANDARD FOR THE INSTALLATION OF OIL-BURNING EQUIPMENT, NFPA No. 31-1978; NATIONAL FUEL GAS CODE, NFPA No. 54-1974; STANDARD FOR CENTRAL STATION PROTECTIVE SIGNALING SYSTEMS, NFPA No. ~~71-1974~~, 71-1977; STANDARD FOR AUXILIARY PROTECTIVE SIGNALING SYSTEMS, NFPA No. ~~72B-1974~~, 72B-1979; STANDARD FOR REMOTE STATION PROTECTIVE SIGNALING SYSTEMS, NFPA No. ~~72C-1974~~, 72C-1975; STANDARD FOR PROPRIETARY PROTECTIVE SIGNALING SYSTEMS, NFPA No. ~~72D-1974~~, 72D-1979; STANDARD ON AUTOMATIC FIRE DETECTORS, NFPA No. ~~72E-1974~~, 72E-1978; STANDARD FOR HOUSEHOLD FIRE WARNING EQUIPMENT, NFPA No. 74-1980; MANUAL ON CLEARANCES FOR HEAT PRODUCING APPLIANCES, NFPA No. 89M-1976; STANDARD FOR THE INSTALLATION OF AIR CONDITIONING AND VENTILATING SYSTEMS, NFPA No. 90A-1981; STANDARD FOR CHIMNEYS, FIREPLACES AND VENTS, NFPA No. ~~211-1977~~ 211-1980.

SECTION 6. Ind 51.27 (12) is created to read:

Ind 51.27 (12) Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402, MINIMUM REQUIREMENTS OF CONSTRUCTION AND EQUIPMENT FOR HOSPITALS AND MEDICAL FACILITIES, DHEW PUBLICATION No. (HRA) 79-14500, Revised, August, 1979.

SECTION 7. Ind 51.27 (13) is created to read:

Ind 51.27 (13) Air Conditioning and Refrigeration Institute, 1815 North Ft. Meyer Drive, Arlington, Virginia 22209, STANDARD FOR AIR FILTER EQUIPMENT, ARI STANDARD 680-80.

SECTION 8. Ind 51.27 (14) is created to read:

Ind 51.27 (14) American Society of Heating, Refrigerating and Air Conditioning Engineers, 1791 Tullie Circle NE, Atlanta, Georgia 30329, HANDBOOK OF FUNDAMENTALS, 1977; METHODS OF TESTING AIR CLEANING DEVICES USED IN GENERAL VENTILATION FOR REMOVING PARTICULATE MATTER, ASHRAE STANDARD No. 52-76.

SECTION 9. Ind 51.27 (15) is created to read:

Ind 51.27 (15) Underwriters' Laboratories, Inc., 333 Pfingsten Road, Northbrook, Illinois 60062, FACTORY MADE AIR DUCT MATERIAL AND AIR DUCT CONNECTORS, UL STANDARD No. 181-1981.

SECTION 10. Ind 64.57 is repealed and recreated to read:

Ind 64.57 *HEALTH CARE FACILITIES. (1) SCOPE. The rules of this section apply to hospitals, nursing homes and outpatient surgical facilities where medical services are provided.

(2) GENERAL. (a) Except as specified in sub. (3), the heating, ventilating and air conditioning systems of all occupancies within the scope of this section shall be designed, operated and maintained as specified in sections 7.31 A to D, 8.19 A to D, 9.11 A to D, 10.29 A to D, 14.9 A to C or 15.13 A to D, depending upon the occupancy, of the Minimum Requirements for Construction and Equipment for Hospitals and Medical Facilities, DHEW publication No. (HRA) 79-14500, revised August, 1979. In addition, the systems shall be designed, operated and maintained as specified in the applicable sections of the following standards as referenced in DHEW publication No. (HRA) 79-14500, revised August, 1979:

(a) Installation of Air Conditioning and Ventilation Systems, NFPA No. 90A-1981;

(b) Standard for Air Filter Equipment, ARI Standard 680-80;

(c) ASHRAE Handbook of Fundamentals, 1977;

(d) Methods of Testing Air Cleaning Devices Used in General Ventilation for Removing Particulate Matter, ASHRAE Standard No. 52-76; and

(e) Factory Made Air Duct Material and Air Duct Connectors, UL Standard No. 181-1981.

(3) AMENDMENTS AND DELETIONS TO DHEW PUBLICATION NO. (HRA) 79-14500. Requirements of DHEW publication No. (HRA) 79-14500 pertaining to the following topic areas have been amended or deleted as indicated:

(a) Fans serving exhaust systems may be located at the discharge end of the system or within one story or 15 feet of the discharge end of the system.

Note: See DHEW Publication No. (HRA) 79-14500 sections 7.31 D (2) (intro) for general hospitals, 8.19 D (3) (intro) for long-term care facilities, 9.11 D (2) (intro) for outpatient facilities, 10.29 D (3) (intro) for rehabilitation facilities or 15.13 D (2) (intro) for outpatient surgical facilities.

(b) The bottom of outdoor air intakes shall be as specified in s. Ind 64.19.

Note: Also see DHEW Publication No. (HRA) 79-14500 sections 7.31 D (2) (b) for general hospitals, 8.19 D (3) (a) for long-term care facilities, 10.29 D (3) (a) for rehabilitation facilities or 15.13 D (2) (b) for outpatient surgical facilities.

*See Appendix A for further explanatory material.

(c) The following portion of sections 7.31 D (2) (l) for general hospitals, 8.19 D (3) (h) for long-term care facilities, 10.29 D (3) (h) for rehabilitation facilities and 15.13 D (2) (i) for outpatient surgical facilities of the DHEW Publication No. (HRA) 79-14500 is not adopted by reference: "except that all systems, regardless of size, which serve more than one smoke or fire zone, shall be equipped with smoke detectors to shut down fans automatically as delineated in paragraph 4-3.2 of that standard."

(d) The smoke damper at duct penetrations, if located above a smoke barrier door, may be arranged to close upon detection of smoke by the local device designed to detect smoke on either side of the smoke barrier door opening.

Note: See DHEW Publication No. (HRA) 79-14500 sections 7.31 D (2) (l) for general hospitals, 8.19 D (3) (h) for long-term care facilities, 10.29 D (3) (h) for rehabilitation facilities or 15.13 D (2) (k) for outpatient surgical facilities.

(e) Sections 7.31 D (2) (r) for general hospitals, 8.19 D (3) (j) for long-term care facilities, 10.29 D (3) (j) for rehabilitation facilities and 15.13 D (2) (k) for outpatient surgical facilities of DHEW Publication No. (HRA) 79-14500 pertaining to work station temperatures in boiler rooms are not adopted by reference in this section.

(4) APPLICATION OF RULES. Where other sections of ch. Ind 64 specify different requirements than those contained in this section, the requirements specified in this section shall govern.

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EFFECTIVE DATE

Pursuant to s. 227.026 (1), Intro., Stats., these rules shall take effect on the first day of the month following publication in the Wisconsin Administrative Register.

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