

extend not less than 2 feet above the high point of the roof or parapet and shall be capped with an approved siphon type roof ventilator.

Note: For ventilation requirements where spray coating is done, see Wis. Adm. Code Ch. Ind 21.

History: Cr. Register, January, 1965, No. 109, eff. 2-1-65.

Ind 59.53 Places of employment. (1) SCOPE. This classification shall include all places of employment not classified elsewhere in this code.

(2) **VENTILATION REQUIRED.** (a) The air movement supply and distribution for all areas in this class shall conform to the requirements of Wis. Adm. Code section Ind 59.41 unless all of the following requirements have been satisfied:

1. The available floor space for each occupancy shall be at least 75 square feet per person.

2. Heat, smoke, gas, dust, spray, hazardous fumes, vapors, steam or other contamination shall not be present in sufficient quantities to obstruct the vision, or be irritating, or injurious to the health or safety of employes and frequenters.

3. The total area of outdoor openings shall be not less than 3% of floor area served, except in refrigeration plants, warehouses, cold storage buildings and processing areas where the nature of the occupancy does not permit outdoor openings.

(3) **INDUSTRIAL EXHAUST SYSTEMS REQUIRED.** (a) Industrial exhaust systems shall be installed and operated to remove harmful contaminants in conformance with Wis. Adm. Code, Ch. Ind 20.

(b) Supply a volume of tempered outside air to replace the air exhausted if the volume of air exhausted exceeds an infiltration rate of 3 air changes per hour.

(4) **LOCKER ROOMS.** Locker rooms used in places of industrial employment shall be provided with a tempered air supply.

Note 1: See Wis. Adm. Code section Ind 59.48.

Note 2: Exhaust air from locker rooms may be directed through the adjoining toilet or shower room.

(5) **FIRST AID REST ROOMS IN PLACES OF EMPLOYMENT.** Ventilation shall be provided for all areas of this class to conform to the requirements of Wis. Adm. Code section Ind 59.41. Ventilation is not required where the total sash area is greater than 10% of the floor area and the openable area is greater than 5%.

History: Cr. Register, January, 1965, No. 109, eff. 2-1-65.

Ind 59.55 Penal institutions and places of detention. (1) SCOPE. This classification shall include corridors and areas of compulsory occupancy in penal institutions, mental hospitals and other places of detention.

(2) **VENTILATION REQUIRED.** The air movement supply and distribution for all areas of this class shall be accomplished by mechanical means and shall conform to the requirements of sections Ind 59.40 and 59.41. The air movement through the corridors shall be not less than 10 cubic feet per minute per lineal foot of corridor.

(3) **OVERNIGHT LOCK-UPS.** Where cells are provided for not more than 6 occupants for the purpose of overnight detention only, ex-

haust ventilation shall be provided on the basis of 6 air changes per hour for the occupied area.

History: Cr. Register, January, 1965, No. 109, eff. 2-1-65.

Ind 59.56 Hospitals. (1) **SCOPE.** This classification shall include hospitals, nursing homes, public health centers, and treatment centers where medical services are provided for treatment and care of "bedfast patients".

Note 1: A "bedfast patient" is a person who is normally confined to a bed or chair.

Note 2: Refer to the State Board of Health, Hospital and Related Services, for additional requirements.

(2) **VENTILATION REQUIRED.** (a) Exhaust ventilation shall be provided from bedpan rooms, baths, janitor closets, sterilizing rooms, laboratories, soiled utility rooms, and soiled linen rooms on the basis of 2 cubic feet per minute for each square foot of floor area.

(b) Enclosed nursing stations, drug storage rooms, clean utility rooms, treatment rooms, dark rooms and X-ray rooms shall have a minimum air movement of 6 air changes per hour unless the openable window area is 3% of the floor area served. Such ventilation shall be accomplished by exhaust methods where the volume of air exhausted shall be greater than the volume of air supplied.

(c) The operating rooms, anesthesia rooms, recovery rooms, labor rooms, delivery rooms and nursery shall have a minimum air movement of not less than 6 air changes per hour. Tempered outside air shall be provided and the system shall be designed to maintain a room temperature of 75 degrees Fahrenheit. The recirculation of air is not permitted except in a nursery where part of the air may be recirculated from the area supplied. Provide mechanical exhaust ventilation equal to the volume of air supplied. Relative humidity in the anesthetizing locations shall be maintained at not less than 50%.

(d) Private, semi-private wards and day rooms shall be ventilated in accordance with the requirements of Wis. Adm. Code section Ind 59.41 unless openable sash area has been provided and the content of the space is in excess of 400 cubic feet per occupant.

Note: See Wis. Adm. Code sections Ind 57.17 and 57.19.

History: Cr. Register, January, 1965, No. 109, eff. 2-1-65; am. (2) (d), Register, December, 1967, No. 144, eff. 1-1-68.

Ind 59.60 Outside ventilating air intakes. (1) **LOCATION.** (a) Outside air intake openings shall be located a distance of at least 20 feet horizontally or 10 feet vertically from vents and chimney outlets.

(b) Where vents and intakes are located on adjacent walls of outside corners, the horizontal distance may be reduced to 10 feet.

(c) Outside air intake openings located in exterior walls shall be located at least 10 feet (measured in any direction) from any exhaust vent or chimney outlet.

(2) **MOUNTING HEIGHT.** (a) Outside air intake openings shall be located at least 12 inches above the outside grade or above roof.

(b) Where outside air intake openings are located in any areaway below grade, the top of the areaway shall be not less than 12 inches above the grade level.

Register, December, 1967, No. 144
Building and heating, ventilating
and air conditioning code