

(2) **LOCATION OF MANUAL FIRE ALARM BOXES.** Manual fire alarm boxes may be located at staff locations in lieu of being located at exits and stairways.

**History:** Cr. Register, December, 1981, No. 312, eff. 1-1-82.

**Ind 58.65 Automatic smoke detection system.** (1) **LOCATION.** An approved automatic smoke detection system shall be installed in all sleeping rooms and in all corridors in connection with the sleeping room areas. Such systems shall be installed in accordance with NFPA 72E but in no case shall smoke detectors be spaced more than 30 feet apart on center or more than 15 feet from any wall, except as provided in sub. (2). All automatic smoke detection systems required by this section shall be electrically interconnected to the fire alarm system.

(2) **EXCEPTION.** Other arrangements and positioning of smoke detectors may be used to prevent damage or tampering or for other purposes provided the function of detecting any fire is fulfilled. This may include the location of detectors in exhaust ducts from sleeping rooms, behind grills, or in other locations.

**History:** Cr. Register, December, 1981, No. 312, eff. 1-1-82.

**Ind 58.66 Interior finishes.** (1) **WALLS AND CEILINGS.** Interior finish of walls and ceilings in corridors, exits and any space not separated from exit access corridors and exits by a partition capable of retarding the passage of smoke shall be Class A. All other areas shall be Class A, B or C as defined in s. Ind 51.01 (75a).

(2) **FLOORS.** Interior floor finish in corridors and exits and any space not separated from exit access corridors and exits by a partition capable of retarding the passage of smoke shall be Class I as defined in s. Ind 51.01 (75a).

**History:** Cr. Register, December, 1981, No. 312, eff. 1-1-82.

**Ind 58.67 Smoke barrier.** (1) **FIRE-RESISTIVE RATING.** Smoke barriers shall have a one-hour fire-resistive rating as specified in s. Ind 51.04.

(2) **WHERE REQUIRED.** Smoke barriers are required to:

(a) Divide every story used by residents for sleeping, and any other story having an occupant load of 50 or more persons, into at least 2 compartments;

(b) Limit the housing of a maximum of 175 residents in any smoke compartment; and

(c) Limit on any story the length and width of each smoke compartment to no more than 150 feet.

(3) **AREA.** At least 6 square feet of accessible area per occupant shall be provided on each side of the smoke barrier for the total number of occupants in adjoining compartments.

(4) **DOORS.** (a) Openings in smoke barriers shall be protected by doors at least 36 inches wide, and such doors shall swing in the direction of egress. Where egress may be in either direction, a pair of swinging doors shall be provided where each door swings in a direction opposite from the other, except doors in a means of egress may be of the horizon-

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tal sliding type providing the force to slide the door to its fully open position does not exceed 37 lbs.

(b) Doors in smoke barriers shall be self-closing and have at least a 20 minute fire-resistive rating, except that doors may be locked as specified in s. Ind 58.59.

(c) Louvers and grills in smoke barrier doors are prohibited. Doors may be undercut to a maximum of 3/4 inches.

(d) A vision panel, complying with s. Ind 51.048 for wired glass and not exceeding 1,296 square inches and set in steel frames, shall be provided in each door in a smoke barrier.

(e) Rabbets, bevels, or astragals are required at the meeting edges of doors, and stops are required on the head and sides of door frames.

(5) **DAMPERS.** An approved damper designed to resist the passage of smoke shall be provided at each point a duct penetrates a smoke barrier. The damper shall close upon detection of smoke by an approved smoke detector, located within the duct except that:

(a) The approved damper, 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; or

(b) Buildings designed with an engineered smoke control system as specified in NFPA 90A, Standard for the Installation of Air Conditioning and Ventilating Systems, need not comply with this requirement.

**History:** Cr. Register, December, 1981, No. 312, eff. 1-1-82.

### SANITARY FACILITIES

**Ind 58.68 Sanitation requirements.** (1) **TOILET ROOMS.** Every building included under the scope of this subchapter shall be provided with separate toilet rooms for each sex, and shall comply with the requirements specified in this section and ss. Ind 52.52 to 52.62, except for the following modifications:

(a) Enclosure of fixtures as specified in s. Ind 52.59 shall be required only for fixtures used by the staff or visitors, or both; or

(b) Water closet seats as specified in s. Ind 52.60 (1) are not required on water closets used by residents in maximum security detention and correctional facilities.

(2) **RESIDENTS.** The number of fixtures required for each sex shall be determined in accordance with the ratios specified in Table 58.68.

(3) **EMPLOYEES.** The number of fixtures for employes shall be provided in accordance with the requirements specified in Table 54.12-B and s. Ind 52.04 (4) and (8).

(4) **GENERAL PUBLIC.** The number of fixtures for the general public shall be provided in accordance with the requirements specified in Table 54.12-A and s. Ind 52.04 (4) and (8).

TABLE 58.68

Type of Occupancy	Type of Fixture				
	Water Closets (WC)		Urinals	Lavatories	Bathtubs or Showers
	Males (M)	Females (F)	Males	(L)	
Residents	One (WC) for each 8 (M), or fraction	One (WC) for each 8 (F), or fraction	Urinals may be substituted for up to 2/3 of the required no. of (WC)	One (L) for each 8 persons	1 for each 10 persons or fraction thereof

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**GUARD TOWERS**

**Ind 58.69 Guard towers and observation stations.** (1) CLASS OF CONSTRUCTION. Guard towers shall be of type 1, 2 or 3 construction as specified in s. Ind 51.03.

(2) MEANS OF EGRESS. At least one exit stairway shall be provided from a guard tower or observation station and shall be a minimum of 28 inches in width. Spiral stairways are permitted to serve guard towers and observation stations not greater than 150 square feet. Spiral stairways shall comply with s. Ind 51.16 (7).

(3) INTERIOR FINISH. The interior finish of guard towers and observation stations shall be of Class A or B as defined in s. Ind 51.01 (75a).

(4) HIGH HAZARD MATERIAL. Storage of high hazard material is prohibited in the guard tower, observation station, or immediate vicinity, except for weapons, ammunition, and control chemicals in quantities required for use by the staff occupying the tower or observation station.

(5) PROTECTION OF VERTICAL OPENINGS. Every stairway, elevator shaft, dumbwaiter shaft, or other similar vertical openings shall be enclosed with at least 2-hour fire-resistive construction as specified in s. Ind 51.043, except guard towers and observation stations where there is no occupancy below the top floor level, stairs may be unenclosed.

(6) SANITARY FACILITIES. Toilet facilities are not required in guard towers or observation stations provided toilet facilities are available in adjacent buildings to accommodate the number of occupants in the guard towers or observation stations.

(7) DOOR LOCKS. Doors to guard towers may be locked in accordance with s. Ind 58.59.

History: Cr. Register, December, 1981, No. 312, eff. 1-1-82.