

## Chapter Ind 63

## SCHOOLS AND OTHER PLACES OF INSTRUCTION

Ind 63.001	Scope	Ind 63.06	Seats and desks
Ind 63.01	Exits	Ind 63.07	Fire extinguishers
Ind 63.02	Fire escapes	Ind 63.08	Fire alarms
Ind 63.03	Stairways	Ind 63.09	Heating plants
Ind 63.04	Exit doors	Ind 63.10	Sanitary equipment
Ind 63.05	Classrooms; floor space		

The requirements of the following sections apply to buildings of this classification only.

For other general requirements, see Ch. Ind 60.

**Ind 63.001 Scope.** Under this classification are included all public, parochial, and private schools, colleges, universities, academies, seminaries, libraries, museums and art galleries; including all buildings or parts of buildings used for the purpose of acquiring knowledge.

**Ind 63.01 Exits.** (1) Every building more than one story in height shall have at least 2 exits from each floor. If there are more than 2 classrooms between the end of the building and the nearest exit, an additional exit shall be provided at the end of the building.

(2) The exits herein required shall be either stairways, or fire escapes, or horizontal exits (section Ind 60.14). But in every non-fire-resistive building more than 2 stories in height, at least one exit shall be a fire escape or an outside covered incombustible stairway or horizontal exit, unless the inside stairways are enclosed with fire-resistive partitions and doors (sections Ind 60.08-60.11).

(3) In buildings 2 or more stories in height, all basement stairways shall be enclosed with one-hour fire-resistive partitions and fire-resistive doors as specified in section Ind 60.08.

(4) The storage of material below stairways or stair landings is prohibited.

**Ind 63.02 Fire escapes.** Fire escapes hereafter constructed shall be stairway fire escapes as described in sections Ind 60.14-60.23; on buildings which accommodate more than 100 persons above the first floor, such fire escapes shall be "B" type fire escapes. Existing stairway fire escapes will be accepted if strongly and properly built and in good condition. Ladders are not accepted as exits under any condition.

**Ind 63.03 Stairways.** (1) Inside stairways at a steeper angle than 45 degrees with the horizontal are not accepted as exits.

(2) Every stairway which serves as an exit, shall lead to a separate exit door.

(3) All stairways and steps of more than 3 risers shall have at least one handrail. Stairways and steps which are 5 feet or more in width, or which are open on both sides, shall have a handrail on each side. Rails shall be not less than 2 feet 6 inches vertically above nose of treads or 3 feet above platform.

**Ind 63.04 Exit doors.** Exit doors shall be as required in section Ind 60.24 but no revolving door shall be considered as an exit from a building in this classification.

*Note:* Single doors are better than double doors for school buildings.

**Ind 63.05 Classrooms; floor space.** (1) The minimum floor space for recitation or classrooms shall be 18 square feet per person.

(2) Rooms used only for study purposes shall have a minimum floor space of 15 square feet per person.

(3) In colleges or universities, classrooms seated with tablet arm chairs or seats without desks shall have a minimum floor space of 10 square feet per person.

(4) No greater number of persons than the number thus established shall be permitted in any classroom.

**Ind 63.06 Seats and desks.** (1) Seats, chairs and desks (except those used by teachers) in class, recitation, or study rooms seating more than 50 persons shall be securely fastened to the floor, or not less than four seats (or two seats and two desks) shall be fastened together.

(2) Assembly hall seats and aisles shall conform to the requirements for assembly halls (section Ind 62.08-62.10).

**Ind 63.07 Fire extinguishers.** (1) In all buildings not provided with interior standpipes, standard chemical fire extinguishers (Section Ind 60.27) shall be provided in the proportion of one extinguisher to each 2500 square feet of floor area or fraction; but there shall be at least one fire extinguisher on each floor. All fire extinguishers shall be prominently exposed to view and always accessible.

(2) In addition to the fire extinguishers required for general protection, there shall be at least one extinguisher of appropriate size and type in each laboratory, kitchen, shop, or other vocational room.

**Ind 63.08 Fire alarms.** Every building two stories or more in height shall be provided with a proper alarm system complying with section Ind 60.29.

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Exception: A hand-operated alarm if permanently installed and so arranged that it can be operated from any story, including the basement, may be used in school buildings not more than 2 stories in height and having not more than 2 standard size classrooms on the second floor.

**Ind 63.09 Heating plants.** (1) In every building, all heating plants including the breeching and fuel rooms, shall be enclosed in a separate room having a two-hour fire-resistive floor. The walls and ceiling shall be of one-hour fire-resistive construction, or better.

(2) All openings shall be protected with self-closing fire-resistive doors.

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Exception: This requirement shall not apply to buildings where jacketed stoves or school room heaters are permitted.

**Ind 63.10 Sanitary equipment.** Separate toilets shall be provided for each sex in connection with all schools, as required by sections Ind 52.62 and 56.16 of the state building code.

## Chapter Ind 64

## APARTMENT HOUSES, HOTELS AND PLACES OF DETENTION

Ind 64.001	Scope; apartment houses	Ind 64.10	Windows
Ind 64.01	Hotels and places of detention	Ind 64.11	Basement rooms
Ind 64.02	Exits, number and location	Ind 64.12	Toilet rooms
Ind 64.03	Type of exits	Ind 64.13	Maintenance and house-keeping
Ind 64.04	Fire escapes	Ind 64.14	Water supply
Ind 64.05	Stairways	Ind 64.15	Cleanliness
Ind 64.06	Basement stairway enclosure	Ind 64.16	Fire extinguishers
Ind 64.07	Exit doors	Ind 64.17	Automatic sprinklers
Ind 64.08	Exit lights and signs	Ind 64.18	Fire alarm
Ind 64.09	Size of rooms	Ind 64.19	Directions for escape
		Ind 64.20	Isolation of fire hazards

The following requirements apply to buildings of this classification only.

For other general requirements, see Ch. Ind 60. For rooms which accommodate more than 100 persons, see Ch. Ind 62, theaters and assembly halls.

**Ind 64.001 Scope.** APARTMENT HOUSES. Under this classification is included every building or part of a building occupied as the residence of three or more families living independently, or occupied by two such families and also used for business purposes.

**Ind 64.01 Hotels and places of detention.** Under this classification are included all hotels, lodging and boarding houses, club houses, dormitories, convents, monasteries, hospitals, homes for the aged and infirm, nursing homes, convalescent homes, convalescent hospitals, asylums, jails and other places of detention, including every building or part of a building used for sleeping or lodging purposes by three or more persons not members of a family.

*Note:* Where the following requirements refer to "families" or "apartments", the requirements apply to apartment houses; where they refer to "persons" or "rooms", the requirements apply to hotels and other places as listed in section Ind 64.01.

**Ind 64.02 Exits. NUMBER AND LOCATION.** (1) In every apartment house there shall be at least 2 exits accessible from each apartment without passing through another apartment.

(2) In every hotel, place of detention or other occupancy listed in section Ind 64.01, there shall be at least 2 exits from each floor. The number and location of such exits shall be such that in case if any exit or passageway is blocked at any point, some other exit will still be accessible through public passageways from every room, except that in fire-resistive buildings a total area of not more than 1200 square feet may be placed between an exit and the end of the building.

**Ind 64.03 Type of exits.** The exits herein required shall be either stairways, or fire escapes, or horizontal exits as described in section Ind 60.12.

**Ind 64.04 Fire escapes.** (1) Fire escapes hereafter constructed shall be stairway fire escapes as described in sections Ind 60.15-60.25. Existing stairway fire escapes will be accepted if strongly and properly built and in good condition. Fire escapes constructed on hospitals and sanitariums, and on hotels or rooming houses over two stories in height, shall be "B" type fire escapes. Access to such fire escapes shall be by standard exit doors.

(2) Every fire escape shall be placed against a blank wall if possible.

**Ind 64.05 Stairways.** (1) Inside stairways at a steeper angle than 45 degrees with the horizontal are not accepted as exits. Every new stairway shall comply with the requirements of section Ind 51.16 of the state building code.

(2) Every stairway which serves as an exit shall lead to a separate exit door.

(3) Outside stairways heretofore constructed on two-story buildings will be accepted if in good condition.

(4) All stairways and shaftways within buildings in the classification described in sections Ind 64.00-64.01 which are 3 or more stories in height shall be enclosed with partitions, including doors, of not less than one-hour fire-resistive construction.

(5) Except that one stairway may be unenclosed in the first story provided it does not lead to the basement.

(6) All stairways and steps of more than 3 risers shall have at least one handrail. Stairways and steps which are 5 feet or more in width, or which are open on both sides, shall have a handrail on each side. Rails shall be not less than 2 feet 6 inches vertically above nose of treads or 3 feet 6 inches above platform.

**Ind 64.06 Basement stairway enclosure.** In every building as listed in section Ind 64.01 more than 2 stories high, every stairway which extends from the basement to the second floor or above, shall be enclosed in the basement with not less than one-hour fire-resistive partitions and doors.

**Ind 64.07 Exit doors.** All exit doors shall be as required in section Ind 60.24 except that a door which accommodates not more than 4 families or 20 persons will not be required to swing outward.

**Ind 64.08 Exit lights and signs.** (1) In every building which accommodates more than 4 families or 20 persons, and in every building which accommodates transients, the public passageways, stairways, and exit doors shall be illuminated from one hour after sunset to one hour before sunrise. This illumination shall include lights at all intersections of passageways, at all exits, and at the head and foot of every stairway.

(2) The lights at all exit doors shall be red lights and shall be accompanied by a sign bearing the word EXIT or OUT, in plain letters not less than 5 inches in height. Exit lights shall be installed in accordance with the requirements of the Wisconsin state electrical code and section Ind 60.24.

**Ind 64.09 Size of rooms.** Every sleeping room shall be of sufficient size to afford at least 400 cubic feet of air space for each occupant over 12 years of age, and 200 cubic feet for each occupant under 12 years. No greater number of occupants than the number thus established shall be permitted in any such room.

**Ind 64.10 Windows.** No room shall be used as a sleeping or living room unless it has a window or windows opening upon a street, alley, or yard, or upon a court connecting therewith, or above the roof of an adjoining building, or upon an inner court not less than 25 square feet in area; or unless it has a vertically-sliding pulley-hung sash window, not less than 15 square feet in area, opening into another room in the same apartment, which other room opens on a street, alley, or yard, either directly or through similar windows. Every such sash window shall be placed as nearly as possible in line with outside windows, and both halves shall be made to open readily, and the glass in the lower half shall be translucent.

**Ind 64.11 Basement rooms.** (1) No basement room shall be used as a sleeping or living room unless all the following conditions are complied with:

(a) The room shall be at least 8 feet high from floor to ceiling.

(b) The ceiling shall be at least 4 feet above the surface of the adjoining street or ground.

(c) The room shall have a window or windows opening upon a street, alley, or yard, or upon a court connecting therewith, or upon an inner court not less than 60 square feet in area; and the total window area shall be at least one-tenth of the floor area of the room, and the upper half of such window or windows shall be made to open the full width.

(d) The walls and floor shall be dampproof and waterproof.

(e) The room shall have sufficient light and ventilation and shall be fit for human habitation.

**Ind 64.12 Toilet rooms.** (1) In every apartment building where a sewer system is available, at least one water-closet shall be provided for every two apartments. Every such water-closet shall be located within the building, in a separate room or compartment, on the same floor with the apartments which it serves, and shall be accessible from each such apartment without passing through another apartment. All water-closets and the pipes connecting therewith shall be properly protected against frost; if located in a public hall such hall shall be heated, if necessary, so as to prevent the closets and pipes from freezing.

(2) In every building of this classification where a sewer system is available, except apartment houses, at least one water-closet shall be provided for every 15 persons or fraction.

(3) Rooms with private water-closets shall not be considered in counting either the number of rooms or number of fixtures.

(4) Toilet rooms and fixtures hereafter installed shall comply with sections Ind 52.50-52.64 of the state building code. For details of plumbing, see state plumbing code issued by the state board of health.

(5) Every existing toilet room shall be ventilated by an outside window; or, where this is not possible, by a ventilating pipe approved by the industrial commission or by the local health officer.

(6) In buildings where a sewer system is not available and cannot be made available, an equal number of sanitary privies, or closets connected with a septic tank or cesspool, shall be provided in accordance with rules of the state board of health.

**Ind 64.13 Maintenance and housekeeping.** (1) Every building of this classification, and all parts thereof, shall be kept in good repair and the roof shall be kept so as not to leak, and all rain water shall be so drained and conveyed therefrom as not to cause dampness in the walls and ceilings.

(2) All exit doors, corridors, passageways and stairways shall be kept clear and unobstructed at all times.

**Ind 64.14 Water supply.** Where city water supply is available or can be made available, every apartment house shall be provided with proper sinks with running water, and there shall be at least one such sink within each apartment.

**Ind 64.15 Cleanliness.** Every building shall be kept clean and shall also be kept free from any accumulation of dirt, filth, rubbish, garbage, or other matter in or on the same or in the yards, courts, passages, areas or alleys connected with or belonging to the same.

**Ind 64.16 Fire extinguishers.** In every building in this classification which accommodates more than 20 persons and is not equipped with a complete automatic sprinkler system or with interior standpipes, at least one approved fire extinguisher shall be provided on each floor. Such fire extinguishers shall be located at the head of each stairway or each elevator group.

**Ind 64.17 Automatic sprinklers.** (1) Where city water supply is available, an approved automatic sprinkler system as described in section Ind 60.28 shall be provided in the basement and sub-basements of all buildings of this classification, except

- (a) Apartment houses.
- (b) Buildings not more than 2 stories high.
- (c) Buildings which accommodate not more than 40 persons.
- (d) Buildings of fire-resistive construction.

*Note:* In a summer hotel or similar building 3 stories or more in height, where the hazard is great, the industrial commission reserves the right to order a sprinkler system, even though city water supply is not available.

**Ind 64.18 Fire alarm.** (1) Every building which accommodates more than 20 persons, except hospitals and places of detention, shall be provided with a fire alarm system complying with section Ind 60.29.

(2) Every hospital which accommodates 20 or more persons shall be provided with a fire alarm system complying with section Ind 60.29 except that chimes or other approved sounding devices shall be used when within hearing distance of the patients. Visual attention compelling devices may be used in hospitals where approved by the industrial commission.

(3) A presignal fire alarm system may be installed in hospitals or hotels where not less than four employees are on duty at all times to respond to fire alarms.

*Note:* Where presignal systems are installed, it is recommended that the fire department be called immediately after the pre-alarm signal is received.

**Ind 64.19 Directions for escape.** In every room occupied by transients, a notice shall be conspicuously posted giving complete and plain directions for reaching at least two exits.

**Ind 64.20 Isolation of fire hazards.** (1) All boiler or furnace rooms, including the breeching and fuel room as well as other hazardous work rooms and storage rooms, shall be provided with a two-hour fire-resistive floor and shall be enclosed with not less than one-hour fire-resistive walls and ceiling. All openings shall be protected with self-closing fire-resistive doors.

(2) The enclosure for the heating plant may be omitted in apartment buildings not more than 2 stories in height and having not more than 2 apartments on a floor and in rooming houses not more than 2 stories in height and having not more than 8 living or sleeping rooms on each floor provided no part of the building is used for business purposes and all interior stairways are enclosed in the basement with a one-hour fire-resistive enclosure or better.

**Exception.** Gas-fired space heaters may be used in private apartments without an enclosure if approved by the industrial commission.

*Note  
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