

- a. Three thousand square feet or less in net floor area;
- b. Used only for storage purposes;
- c. Open on at least one side to the floor below; and
- d. Not more than 12 feet above the floor below.

(2) EXIT DISTANCE. Exits shall be provided and distributed as follows:

(a) *Storage garages.* 1. No area of a storage garage shall be more than 100 feet from an exit, unless the entire storage garage is protected by an automatic sprinkler system.

2. No area of a storage garage entirely protected by an automatic sprinkler system shall be more than 150 feet from an exit.

(b) *Repair garages.* 1. No area of a repair garage shall be more than 75 feet from an exit, unless the entire repair garage is protected by an automatic sprinkler system.

2. No area of a repair garage entirely protected by an automatic sprinkler system shall be more than 120 feet from an exit.

(c) \* *Measurement of exit distance.* The exit distances required by this section shall be measured along public passageways and aisles to:

1. Standard exits leading to grade as specified in s. Ind 51.15;
2. Doors opening into smokeproof stair towers as specified in s. Ind 51.17, interior enclosed stairways as specified in s. Ind 51.18, or fire escapes as specified in s. Ind 51.20; or
3. Horizontal exits as specified in s. Ind 51.19.

(3) LOCATION OF EXITS. Except as provided in sub. (1) (b), exits in all storage garages and repair garages shall be located and distributed so that in the event an exit is blocked, another exit is available from every area of the storage garage or repair garage.

(4) EXIT MAINTENANCE. Exits shall be maintained in accordance with s. Ind 52.21.

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

**Ind 59.15 Required exit width.** (1) GENERAL. Every floor level of a storage garage and repair garage shall be provided with at least the required aggregate width of exits as specified in ss. Ind 51.15 (6) and 51.16 (3).

(2) HORIZONTAL EXITS. Horizontal exits may provide up to one-half of the required aggregate width of exits for a floor level.

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

**Ind 59.16 Capacity of structures.** In calculating the required aggregate width of exits under s. Ind 59.15 and the required number of sanitary facilities under s. Ind 59.20, the capacities of structures and floor levels shall be computed on the following basis:

- (1) Storage garages and repair garages - 300 sq. ft. per person; and

\*See Appendix A for further explanatory material.

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(2) Other areas as dictated by the appropriate sections of chs. Ind 54 to 62.

Note: See ss. Ind 54.05, 55.06, 56.07 for additional requirements.

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

**FP Ind 59.17 Enclosure of stairways and shafts.** (1) **GENERAL.** (a) Except as provided in par. (b), all stairways and shafts within a storage garage and a repair garage shall be fully enclosed with smoke partitions. Smoke partitions shall be constructed of solid and rigid materials. Openings in such enclosures shall be protected with doors equipped with automatic closing devices.

(b) Stairways to open storage mezzaniness 3,000 square feet or less in area are not required to be enclosed.

(2) **TWO OR MORE FLOOR LEVELS.** Stairways and shafts serving 2 or more floor levels shall be enclosed pursuant to s. Ind 51.02 (11) with fire-resistive construction as specified in Table 51.03-A, line 21.

History: Cr. Register, December, 1981, No. 312, eff. 1-1-82; reprinted to correct error in (2), Register, February, 1982, No. 314.

**Ind 59.18 Vehicular guardrails.** Vehicular guardrails shall be provided at all floor openings and at all differences in floor level elevations as follows:

(1) **DRIVE LANES.** Vehicular guardrails shall be installed at the end of drive lanes and shall be designed for a minimum horizontal live load of 1000 pounds per linear foot acting at 18 inches above the floor level; and

(2) **PARKING STALLS.** Vehicular guardrails shall be installed at the end of parking stalls and shall be designed for a minimum horizontal live load of 500 pounds per linear foot acting at 18 inches above the floor level.

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

**FP Ind 59.19 Illumination levels.** (1) **EXITS.** All stairways and exits and the passageways leading to them shall be illuminated to facilitate egress. The intensity of illumination shall be not less than 10 footcandles at the floor or step level.

(2) **DRIVING AREAS.** The minimum illumination level for driving areas at a horizontal plane 30 inches above the floor shall be an intensity of at least 2 footcandles.

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

**Ind 59.20 Sanitary facilities.** (1) **GENERAL.** Sanitary facilities shall be provided as specified in ss. Ind 54.12, 55.32 or 56.16, as appropriate for the use of the building.

(2) **UNATTENDED STORAGE GARAGES.** Sanitary facilities are not required to be provided in unattended storage garages.

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

**FP Ind 59.21 Isolation of hazards and separations.** All open-flame equipment within a storage garage and a repair garage, including, but not limited to boilers, furnaces and water heaters, shall be isolated from the rest of the storage garage or repair garage by at least 2-hour fire-

Register, February, 1982, No. 314