

## Chapter Ind 25

### SANITARY FACILITIES IN RAILROAD TERMINALS AND CABOSES

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**Ind 25.01 Scope.** (1) The requirements of the following rules shall apply to all railroad terminals where engine and train crews, in yard and road service, and switchmen, switch tenders, car clerks and yard clerks are required to report for duty or are relieved from duty, provided, however, that any railroad company affected thereby or interested therein, being of the opinion that the application or enforcement of any of said rules, or any part thereof, at any particular place will be unjust or unreasonable, may apply to the commission for relief therefrom, and the commission may by written order relieve said railroad company from the application of said rules, or any part thereof, at such place, or modify the same in such manner and to such extent as shall be just and reasonable.

**History:** 1-2-56; r. and recr. Register, March, 1963, No. 87, eff. 4-1-63.

**Ind 25.02 General.** In every railroad terminal in this state, at the point where the employees are required to report for duty or are relieved from duty, the railroad corporation shall provide sanitary conveniences hereinafter specified for the use of the employees. An existing building, or a part thereof, if conveniently located, may be utilized if it is suitable or can be made suitable for this purpose. Such building shall be of sufficient size and so arranged as to accommodate the maximum number of employees, on any one shift of 8 hours.

**History:** 1-2-56; r. and recr. Register, March, 1963, No. 87, eff. 4-1-63.

**Ind 25.03 Toilet room location; ventilation.** All toilet rooms shall be ventilated.

(1) Where natural ventilation is provided: Every toilet room shall be so located as to open to outside light and air, by skylight or windows opening directly upon a street, alley or court. The window, or skylight, shall have a glass area of not less than 4 square feet. The openable area of such window shall be not less than 2 square feet.

(2) Where natural ventilation is not provided: (a) The air movement provided and maintained in occupied areas of this class shall be

not less than 2 cubic feet per minute per square foot of floor area.

(b) Exhaust systems serving this class of occupied area shall be separate from, and independent of, all other services and systems in the building.

**History:** 1-2-56; r. and recr. Register, March, 1963, No. 87, eff. 4-1-63.

**Ind 25.04 Number of closets and urinals required.** There shall be provided one water closet for every 20 employees or fraction thereof, and in addition thereto, one urinal shall be provided for every 40 employees, or fraction. Where urinal troughs are used, 2 feet of trough shall be considered as equivalent of one urinal.

**Ind 25.05 Fixtures.** (1) Only individual water closets of porcelain or vitreous chinaware shall be used. Water closet seats shall be of wood or other non-heat absorbing material, and shall be finished with varnish or other substance so as to be impervious to moisture.

(2) Urinals shall be made of material impervious to moisture and of such design, materials and construction that they may be properly flushed and kept in a sanitary condition.

**Ind 25.06 Washing facilities.** (1) Adequate washing facilities shall be provided. There shall be not less than one lavatory of porcelain, enameled iron, or other impervious material for every 10 employees or fraction thereof, with hot water available. Either a trough without stopper, where each person washes in running water from an individual faucet, or an individual bowl, shall be provided. Twenty-four inches of trough shall be considered equivalent to one lavatory.

(2) A supply of soap or detergent, and individual cloth towels, magazine type roll, cloth towels, paper towels, or electric dryers shall be furnished where hand washing facilities are required.

**History:** 1-2-56; r. and recr. Register, March, 1963, No. 87, eff. 4-1-63.

**Ind 25.07 Shower.** (1) A sufficient number of showers for use of the employees shall be provided. There shall be not less than one shower for every 20 employees, or fraction thereof, based upon the largest number of employees per shift. The shower shall be constructed of 2 compartments, and the material used shall be impervious to moisture. In case of new permanent installation made after January 1, 1945, each compartment shall be not less than 36 inches in width and also in depth. Hot water shall be available.

(2) Except at terminals where showers are presently installed for car clerks and yard clerks, paragraph (1) of this rule shall not apply to car clerks.

**History:** 1-2-56; r. and recr. Register, March, 1963, No. 87, eff. 4-1-63.

**Ind 25.08 Enclosure of fixtures.** (1) The fixtures (closets and urinals) in every toilet room shall be arranged to secure privacy in use. Water closets shall be enclosed with partitions. Urinals shall be placed against walls and arranged individually; except that in the case of trough urinals the stalls shall be not more than 30 inches, nor less than 24 inches in width, and shall be equipped with division shields not less than 8 inches in depth. Individual floor type urinals shall be placed not less than 24 inches center to center, and in no case

less than 2 inches apart to permit of proper waterproof fill or seal between fixtures.

*Exception:* The above requirements need not apply to toilet rooms accommodating only a single closet or urinal.

(2) A space of 6 to 12 inches shall be left between the floor and the bottom of each partition. The top of the partition shall be from 5½ to 6 feet above the floor. Doors with the top 5½ to 6 feet above the floor, and the bottom 6 to 12 inches above the floor, shall be provided for all water closet compartments. All partitions and doors shall be of material and finish required for walls and ceilings under section Ind 25.11.

(3) The water closet compartments in toilet rooms shall be not less than 30 inches in width, and shall be not less than 54 inches in depth with a clearance of not less than 24 inches between the fixture and the compartment door when closed. Compartment doors which are hung to swing inward shall clear the fixture not less than 2 inches.

**Ind 25.09 Artificial illumination.** Every toilet room and water closet compartment shall be provided with artificial light intensity of not less than 0.5 foot-candles.

**Ind 25.10 Construction of floor.** The floor of every toilet room and the walls (base) up to a height of 6 inches shall be constructed of concrete, or other material which is impervious to moisture and which has a smooth surface. The floor shall be kept in good repair, free from cracks and other defects.

**Ind 25.11 Walls and ceiling.** The walls and ceilings of every toilet room shall be completely covered with smooth cement or gypsum plaster, glazed brick or tile, galvanized or enameled metal, or other smooth, non-absorbent material. Wood may be used, if well covered with two coats of body paint and one coat of enamel paint or spar varnish.

**Ind 25.12 Heating.** Every toilet room shall be kept heated to not less than 55 degrees Fahrenheit. For locker rooms and for rooms containing shower bath facilities, a minimum temperature of 70 degrees Fahrenheit shall be maintained during all periods of occupancy. Heating facilities shall be so arranged as to permit thorough cleaning of floor and walls.

**History:** 1-2-56; r. and recr. Register, March, 1963, No. 87, eff. 4-1-63.

**Ind 25.13 Locker room and lockers.** (1) There shall be provided a locker room, separated from the toilet room by solid partitions, where the employees may change their clothing. The area of such room shall be not less than 80 square feet of clear floor space for 10 employees, or fraction, and for each additional employee not less than 4 square feet shall be added thereto. The computation of the number of employees covered in this section shall not include those employees who do not require or use a locker in a locker room. The floor and base shall be constructed of the same material as specified for toilet room. Necessary furniture, such as benches and tables, shall be provided.

(2) A sufficient number of steel lockers shall be provided, the dimensions of which shall be not less than 72 inches high, 18 inches

wide and 18 inches deep, provided that in case of new permanent installations made after January 1, 1945, the dimensions of such lockers shall be not less than 72 inches high, 16 inches wide and 21 inches deep. The lockers shall be equipped (on the inside) with a shelf 12 inches from the top, and not less than one clothes hook on each side, and a hanger bar, and also sufficient openings in the door for the purpose of ventilation. Wooden lockers are prohibited.

(3) Where running water is not available, a drinking water container shall be provided. The container shall be constructed of 2 compartments, one of which is to hold ice and the other to hold drinking water. Individual cups shall be furnished, or an inverted faucet shall be attached to the container. The container shall be of a non-oxidizing material and shall be cleaned and sterilized at frequent intervals and kept in a sanitary condition and in good repair. Where running water is available, a drinking fountain (bubbler) shall be provided. The container or fountain shall be installed in the locker room or in a convenient connecting room, but in no case in the toilet room.

(4) Artificial light intensity of not less than 5 foot-candles shall be provided on the desk or wherever the employees are required to write out their reports. Other parts of the room shall have light intensity of not less than 0.5 foot-candles.

(5) Proper heating and ventilation shall be provided for all locker rooms. For detailed requirements covering heating and ventilation, see Chapter Ind 58 of the Heating, Ventilating and Air Conditioning Code issued by the industrial commission.

**History:** 1-2-56; r. and recr. Register, March, 1963, No. 87, eff. 4-1-63.

**Ind 25.14 Toilet to be separated.** Where a locker room is required, toilet facilities shall be installed in an adjoining room and shall be separated from the locker room by a solid partition and a door; such door need not necessarily be solid, but may be undercut a maximum of 3 inches or provided with louvers for the purpose of ventilation. Nothing in this chapter shall be construed to require the furnishing of separate toilet, shower or other facilities for different classes or types of employees.

**History:** 1-2-56; r. and recr. Register, March, 1963, No. 87, eff. 4-1-63.

**Ind 25.15 Disposal of sewage.** In locations where a sewer system is not available, or cannot be made available, the disposal of human waste may be accomplished as follows:

(1) Sewage treatment tank and disposal system.

*Note:* For detailed requirements on such systems, see state plumbing code.

(2) Where the local conditions make it impractical to install such system, outdoor toilet or other facilities may be used, if permitted in writing by the industrial commission.

**Ind 25.16 Outdoor toilets.** (1) Outdoor toilets shall be located on ground that is well drained, and where there is no possibility of contaminating any drinking water supply.

(2) Provided with suitable approach, such as concrete, gravel, or cinder walk.

(3) The foundation shall be of concrete or other masonry.

(4) The vault shall extend at least 6 inches above ground, be as dark as possible, and be proof against entrance of flies, rats, and other vermin. The upper portion shall be of concrete, or of brick or stone laid in cement mortar. If in poorly drained soil, the entire vault shall be of concrete, or brick or stone laid in cement mortar.

(5) All windows, ventilators, and other openings shall be screened to prevent the entrance of flies, and all doors shall be self-closing. A separate ventilator duct shall be provided for the vault, and shall extend above the roof and be provided with an effective ventilating hood.

(6) The entire installation must be kept clean and sanitary. Milk of lime (freshly slaked lime) or other equally effective disinfectant shall be used in the vault and in the urinal trough, in sufficient quantities and at frequent intervals. The floors, seats and urinals must be scrubbed as often as necessary. The vault must be cleaned out at proper intervals.

**Ind 25.17 Maintenance and cleanliness.** Every railroad corporation shall keep the toilet rooms and locker rooms, and all fixtures therein, in a clean, efficient, and sanitary condition and in good repair. In each toilet room, sufficient toilet paper shall be provided.

**History:** 1-2-56; r. and recr. Register, March, 1963, No. 87, eff. 4-1-63.

**Ind 25.18 History:** 1-2-56; r. Register, March, 1963, No. 87, eff. 4-1-63.

**Ind 25.19 Transfer or yard cabooses.** (1) Transfer or yard cabooses shall comply with section Ind 25.20 except they need not comply with subsection (a).

(2) Each transfer caboose shall be properly stencilled indicating that it is so used.

**History:** 1-2-56; r. and recr. Register, March, 1963, No. 87, eff. 4-1-63.

**Ind 25.20 Road cabooses; requirements.** (1) A road caboose is any car, coach or caboose used for transporting members of a road train crew between termini and not in yard or transfer service. All cabooses shall be subject to the following requirements:

(a) All cabooses shall be insulated.

(b) The floors of cabooses shall be adequately cleaned at least twice each month, and the walls shall be washed once each year; windows of cabooses shall be washed once each month.

(c) Toilets on cabooses shall be cleaned and disinfected twice each month.

(d) During proper seasons of the year doors of cabooses shall be equipped with storm doors or adequate metal stripping, or with screen doors or screen panels. Two windows on each side of each caboose shall be screened and operative, except when only one window is operative, in which case that window shall be screened.

(e) Cabooses shall be provided with a stove or other means of heating, adequate to provide at least 65 degrees Fahrenheit within a radius, within the caboose, of 10 feet of the stove or heating device.

(f) Every caboose shall be equipped with a sanitary drinking water container or containers of non-oxidizing material having in total not

less than a 2-gallon capacity, cooled either by ice or by a mechanical device. Individual drinking cups shall be furnished or an inverted faucet shall be attached to the container. The container or containers shall be filled with fresh drinking water for each trip.

(g) Every caboose shall be provided with artificial light having an intensity of not less than 22 foot-candles on the desk. Mantle lamps are acceptable as having sufficient light intensity.

(h) Each caboose shall be supplied with toilet tissue, paper towels, soap and washing water adequate for each trip.

(i) Safety rod or bar shall be provided for the tops of the stoves.

(j) A record shall be kept relative to subsections (b) and (c). This record shall be kept in the caboose.

**History:** 1-2-56; r. and recr. Register, March, 1963, No. 87, eff. 4-1-63.

**Ind 25.21 Locomotives.** (1) Each locomotive cab shall be kept clean, such condition to be determined as of the beginning of the engine run and consistent with operating requirements.

(2) The toilet shall be kept clean and operative in engines equipped with toilets.

**History:** 1-2-56; r. and recr. Register, March, 1963, No. 87, eff. 4-1-63.

**Ind 25.22 Working express and baggage cars.** (1) Every car shall be kept in a reasonably clean condition, including fish racks.

(2) Every car shall be provided with artificial light intensity of not less than 5 foot-candles within 3 feet of the floor, by December 31, 1953. Where Pintsch gas lights are provided at present, they shall be kept in good repair and adequately supplied with gas.

(3) All car doors shall be kept in repair, be weather stripped and maintained in easy operating condition.

(4) Drinking water facilities shall be provided and shall be kept clean and sanitary. Such drinking water container shall be constructed of 2 compartments, one of which shall be used to hold ice and the other to hold drinking water. A sufficient amount of water and ice shall be provided for the trip or shift.

(5) Diaphragm canvass bellows shall be provided for cars designed for same.

(6) All steam heating systems shall be maintained in good repair so as to provide a temperature of not less than 60 degrees Fahrenheit. In cars where stoves are used, they shall be kept in good repair.

(7) Stationary safes, where used, shall be anchored.

(8) Sanitary toilet facilities shall be provided and maintained or made accessible in adjacent cars.

**History:** 1-2-56; r. and recr. Register, March, 1963, No. 87, eff. 4-1-63.