

## Chapter Ind 25

### SANITARY FACILITIES IN RAILROAD TERMINALS AND CABOOSES

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**Ind 25.01 Scope.** The requirements of the following orders shall apply to all railroad terminals where engine and train crews, in yard and road service, and switchmen, switch tenders and car 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 orders, 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 orders, or any part thereof, at such place, or modify the same in such manner and to such extent as shall be just and reasonable.

**Ind 25.02 General.** In every railroad terminal in this state, 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.

**Ind 25.03 Location—ventilation.** (1) Every toilet room shall be so located as to open to outside light and air, by windows or skylights.

(2) The glass area in a window for a toilet room containing one closet, urinal, or shower bath shall be not less than 6 square feet, with 2 square feet additional for each additional closet, urinal, or shower.

(3) In addition to the window herein required, each toilet room shall have a vent flue of incombustible material, vertical or nearly so, running through the roof with an approved cap or hood of the

siphon type, or its equivalent. The following are minimum vents as calculated for toilet rooms of minimum size:

One or two fixtures -----	6" pipe
Three or four fixtures -----	8" "
Five or six fixtures -----	9" "
Seven fixtures -----	10" "
Eight to ten fixtures -----	12" "

*Note:* For detailed requirements pertaining to toilet and bath rooms, see Section Ind 58.48 of the heating and ventilation code, issued by the industrial commission.

**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 for every 10 employees or fraction, and hot water shall be available. 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) All lavatories shall be made of porcelain, enameled iron, or other impervious material.

**Ind 25.07 Shower.** 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.

**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 from November 1 to April 1. 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, and ample supply of fuel shall be maintained in a convenient fuel bin, or receptacle.

**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 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 two 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 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, 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 section Ind 58.47 of the heating and ventilation code issued by the industrial commission.

**Ind 25.14 Toilet conveniences in same room.** All toilet facilities shall be installed in the same room, which shall adjoin the locker room and be separated therefrom by a solid partition and a door. The door need not necessarily be solid, but may be under-cut a maximum 3 inches or provided with suitable louvres for the purpose of ventilation.

**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.** (1) 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 made of material which will not interfere with the operation of the system, or obstruct the fixtures, shall be provided.

(2) An ample supply of drinking water, and ice where available, shall be kept in the drinking water container.

**Ind 25.18 Indecent pictures.** Indecent or suggestive marks, pictures, or words are forbidden in toilet and locker rooms, and such defacement, when found, shall be at once removed.

**Ind 25.19 Definition of caboose.** (1) For the purpose of these orders, a caboose is any car, or coach, used on a train, to carry the train crew.

(2) The words "trip" or "shift", used in these orders, shall mean a normal or usual trip or shift that has not been delayed because of unavoidable or unforeseen conditions.

**Ind 25.20 Caboose; sanitary conditions and equipment.** (1) All new cabooses shall be insulated when they receive general or major repairs, provided that all cabooses shall be insulated by January 1, 1953.

(2) All caboose floors shall be scrubbed or mopped at least twice each month.

(3) Walls of cabooses shall be adequately cleaned at least once each year.

(4) Windows of cabooses shall be washed once each month except during freezing weather.

(5) Toilets in cabooses shall be thoroughly cleaned and disinfected once each month.

(6) 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. (Slide screens for windows shall be deemed adequate.)

(7) Paragraph (1) of this subsection shall not apply to transfer cabooses; each such caboose shall be properly stenciled indicating that it is so used.

(8) Every caboose used on any train in this state, regardless of service, shall be provided with a stove or other adequate means of heating, and shall be furnished with a sufficient amount of fuel for the trip or shift.

(9) Every caboose shall be equipped with a sanitary drinking water container, or an ice box. Such drinking water container shall be constructed of two compartments, one of which shall be used to hold ice and the other to hold drinking water. The container shall have a capacity of 3 gallons of water and shall hold a sufficient amount of ice for the trip or shift. An ice box and water container having at least a total capacity of 2 gallons may be substituted in lieu of the drinking water container herein specified. The drinking

water container and the water can shall be cleaned and sterilized and kept in a sanitary condition and in good repair. Individual drinking cups shall be furnished, or an inverted faucet shall be attached to the container. The drinking water container or water can shall be filled with water at the beginning of a trip or shift.

(10) Every caboose shall be provided with artificial light intensity of not less than 5 foot candles on the desk so that clerical work such as writing reports can be done without eye strain, and every other part of the caboose shall be lighted to make it visible during occupancy, provided that hereafter, whenever new cabooses are put in service in the state, or when cabooses are subject to major repairs, and in any event, after July 1, 1946, cabooses shall be provided with artificial light intensity of not less than 22 foot candles at the desk.

*Note:* Mantle lamps are acceptable as having sufficient light intensity under this subsection.

**Ind 25.21 Locomotive cab—cleanliness.** Every railroad corporation in this state shall keep each locomotive cab in a reasonably clean condition, such condition to be determined as of the beginning of the engine run and consistent with operating requirements.

**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 weatherstripped 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 two 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) Signal and air brake emergency equipment shall be provided and maintained.

(6) Diaphragm canvas bellows shall be provided for cars designed for same.

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

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

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