TO BE RESCINDED

4101:1-29-01 Plumbing systems.

[Comment: When a reference is made within this rule to a federal statutory provision, an industry consensus standard, or any other technical publication, the specific date and title of the publication as well as the name and address of the promulgating agency are listed in rule 4101:1-35-01 of the Administrative Code. The application of the referenced standards shall be limited and as prescribed in section 102.5 of rule 4101:1-1-01 of the Administrative Code.]

SECTION 2901 GENERAL

2901.1 Scope. The provisions of this chapter and the *plumbing code* shall govern the erection, installation, alteration, repairs, relocation, replacement, addition to, use or maintenance of plumbing equipment and systems. Toilet and bathing rooms shall be constructed in accordance with Section 1210. Plumbing systems and equipment shall be constructed, installed and maintained in accordance with the *plumbing code*.

SECTION 2902 MINIMUM PLUMBING FACILITIES

2902.1 Minimum number of fixtures. Plumbing fixtures shall be provided in the minimum number as shown in Table 2902.1 based on the actual use of the building or space. Uses not shown in Table 2902.1 shall be considered individually by the code official. The number of occupants shall be determined by this code. When the actual occupant load will be significantly different than that determined by section 1004 of the building code, the building official may establish an alternate basis for determining the occupant load. This alternate basis shall be included in the special stipulations and conditions section of the certificate of occupancy issued for that structure pursuant to section 111. For accessibility requirements, see "Chapter 11, Accessibility" of this code.

Exception: Facilities are not required in buildings less than 100 square feet in area if fixtures are available within 500 feet of the building.

2902.1.1 Fixture calculations. To determine the occupant load of each sex, the total occupant load shall be divided in half. To determine the required

number of fixtures, the fixture ratio or ratios for each fixture type shall be applied to the occupant load of each sex in accordance with Table 2902.1. Fractional numbers resulting from applying the fixture ratios of Table 2902.1 shall be rounded up to the next whole number. For calculations involving multiple occupancies, such fractional numbers for each occupancy shall first be summed and then rounded up to the next whole number.

Exception: The total occupant load shall not be required to be divided in half where approved statistical data indicate a distribution of the sexes of other than 50 percent of each sex.

2902.1.2 Single-user toilet facility and bathing room fixtures. The plumbing fixtures located in single-user toilet facilities and bathing rooms, including family or assisted-use toilet and bathing rooms that are required by Section 1109.2.1 shall contribute towards the total number of required plumbing fixtures for a building or tenant space. Single-user toilet facilities and bathing rooms, and family or assisted-use toilet and bathing rooms shall be identified for use by either sex.

TABLE 2902.1 MINIMUM NUMBER OF REQUIRED PLUMBING FIXTURES^a (See Sections 2902.1.1 and 2902.2)

No.	CLASSIFICATION	OCCUPANCY	DESCRIPTION	WATER CLOSETS (URINALS: See footnote g)		LAVATORIES		BATHTUBS/ SHOWERS	DRINKING FOUNTAINS (See Section 410 of the plumbing code for exceptions)	OTHER
				MALE	FEMALE	MALE	FEMALE			
		A-1 ^d	Theaters and other buildings for the performing arts and motion pictures	1 per 125	1 per 65	1 po	er 200	_	1 per 500	1 service sink
		A-2 ^d	Nightclubs, bars, taverns, dance halls and buildings for similar purposes	1 per 40	1 per 40	1 per 75		_	1 per 500	1 service sink
1	Assembly		purposes	1:1-100	3:1-50	1:1-200 2:201-400 3:401-750				
1	Assembly			-	4:51-100					
				2:101-200	6:101-200					
			Casino gaming areas	each add males, and	8:201-400 dd one fixture itional 250 one for each emales	fixture additie	0, add one for each onal 500 csons	-	-	1 service sink
			Restaurants, banquet halls and food courts	1 per 75	1 per 75	1 po	er 200	_	1 per 500	1 service sink

No.	CLASSIFICATION	OCCUPANCY	DESCRIPTION	WATER CLOSETS (URINALS: See footnote g)		LAVATORIES		BATHTUBS/ SHOWERS	DRINKING FOUNTAINS (See Section 410 of the plumbing code for exceptions)	OTHER
				MALE	FEMALE	MALE	FEMALE			
		A-3 ^d	Auditoriums without permanent seating, art galleries, exhibition halls, museums, lecture halls, libraries, arcades and gymnasiums	1 per 125	1 per 65	1 per 200		_	1 per 500	1 service sink
			Passenger terminals and transportation facilities	1 per 500	1 per 500	1 per 750		_	1 per 1,000	1 service sink
			Places of worship and other religious services	1 per 150	1 per 75	1 per 200		_	1 per 1,000	1 service sink
		A-4	Coliseums, arenas, skating rinks, pools and tennis courts for indoor sporting events and activities	l per 75 for the first 1,500 and 1 per 120 for the remainder exceeding 1,500	1 per 40 for the first 1,520 and 1 per 60 for the remainder exceeding 1,520	1 per 200	1 per 150	_	1 per 1,000	1 service sink
		A-5	Stadiums, amusement parks, bleachers and grandstands for outdoor sporting events and activities	l per 75 for the first 1,500 and 1 per 120 for the remainder exceeding 1,500	1 per 40 for the first 1,520 and 1 per 60 for the remainder exceeding 1,520	1 per 200	1 per 150	_	1 per 1,000	1 service sink
2	Business	В	Buildings for the transaction of business, professional services, other services involving merchandise, office buildings, banks, light industrial and similar uses	11	per 50	1,	per 80	_	1 per 100	1 service sink ^e

4101:1-29-01 4

No.	CLASSIFICATION	OCCUPANCY	DESCRIPTION	WATER CLOSETS (URINALS: See footnote g)		LAVATORIES		BATHTUBS/ SHOWERS	DRINKING FOUNTAINS (See Section 410 of the plumbing code for exceptions)	OTHER
				MALE	FEMALE	MALE FEMALE				
3	Education	Е	Educational facilities	1 per 50		1 per 50		_	1 per 100	1 service sink
4	Factory and industrial	F-1 and F-2	Structures in which occupants are engaged in work fabricating, assembly or processing of products or materials	1 per 100		1 per 100		See Section 411 of the plumbing code	1 per 400	1 service sink
		I-1	Residential care	1 p	er 10	1 per 10		1 per 8	1 per 100	1 service sink
		I-2	Hospitals, ambulatory nursing home care recipient ^b	1 per room ^e		l per room ^c		1 per 15	1 per 100	1 service sink
5	Institutional		Employess, other than residential care ^b	1 per 25		1 per 35		—	1 per 100	_
			Visitors, other than residential care	1 per 75		1 per 100		_	1 per 500	_
		I-3	Prisons ^b	1 pe	er cell	1 pe	r cell	1 per 15	1 per 100	1 service sink

4101:1-29-01 5

No.	CLASSIFICATION	OCCUPANCY	DESCRIPTION	WATER CLOSETS (URINALS: See footnote g)		LAVATORIES	BATHTUBS/ SHOWERS	DRINKING FOUNTAINS (See Section 410 of the plumbing code for exceptions)	OTHER		
				MALE	FEMALE	MALE FEMALE					
			Reformatories, detention centers and correctional centers ^b	1 per 15		1 per 15	1 per 15	1 per 100	1 service sink		
			Employees ^b	1 per 25		1 per 35	_	1 per 100	_		
		I-4	Adult day care and child care	1 per 15		1 per 15	1	1 per 100	1 service sink		
6	Mercantile ^f	М	Retail stores, service stations, shops, salesrooms, markets and shopping centers	1 per 500		1 per 500		1 per 750	_	1 per 1,000	1 service sink ^e
		R-1	Hotels, motels, boarding houses (transient)	1 per sleeping unit		1 per sleeping unit		1 per sleeping unit	1 per sleeping unit	I	1 service sink
7	Residential	R-2	Dormitories, fraternities, sororities and boarding houses (not transient)	1 per 10		1 per 10		1 per 10	1 per 8	1 per 100	1 service sink
		R-2	Apartment house	l per dw	elling unit	1 per dwelling unit	1 per dwelling unit	_	1 kitchen sink per dwelling unit; 1 automatic clothes washer connection per 20 dwelling units		

No.	CLASSIFICATION	OCCUPANCY	DESCRIPTION	WATER CLOSETS (URINALS: See footnote g)		LAVATORIES		BATHTUBS/ SHOWERS	DRINKING FOUNTAINS (See Section 410 of the plumbing code for exceptions)	OTHER
				MALE	FEMALE	MALE	FEMALE			
		R-3	One-, two-, and Three-family dwellings, Multiple single- family dwellings, and lodging houses with five or fewer guestrooms	I per dwelling unit		I per dwelling unit		l per dwelling unit	_	I kitchen sink per dwelling unit; I automatic clothes washer connection per dwelling unit
		R-3	Congregate living facilities with 16 or fewer persons and other R-3 occupancies	1 per 10		1 per 10		1 per 8	1 per 100	1 service sink
		R-4	Congregate care/residential care/assisted living facilities	1 per 10		1 per 10		1 per 8	1 per 100	1 service sink
8	Storage	S-1 S-2	Structures for the storage of goods, warehouses, storehouses and freight depots, low and moderate hazard	1 per 100		1 per 100		See Section 411 of the plumbing code	1 per 1,000	1 service sink

- a. The fixtures shown are based on one fixture being the minimum required for the number of persons indicated or any fraction of the number of persons indicated. The number of occupants shall be determined by this code.
- b. Toilet facilities for employees shall be separate from facilities for inmates or care recipients.
- c. A single-occupant toilet room with one water closet and one lavatory serving not more than two adjacent patient sleeping units shall be permitted, provided that each patient sleeping unit has direct access to the toilet room and provisions for privacy for the toilet room user are provided.
- d. The occupant load for seasonal outdoor seating and entertainment areas shall be included when determining the minimum number of facilities required.
- e. For business and mercantile occupancies with an occupant load of 15 or fewer, service sinks shall not be required.
- f. Mercantile occupancies are not required to provide customer facilities when the occupant load is 50 or less.
- g. In each bathroom or toilet room, urinals shall not be substituted for more than 67 percent of the required water closets in assembly and educational occupancies. Urinals shall not be

substituted for more than 50 percent of the required water closets in all other occupancies.

2902.2 Separate facilities. Where plumbing fixtures are required, separate facilities shall be provided for each sex.

Exceptions:

- 1. Separate facilities shall not be required for dwelling units and sleeping units.
- 2. Separate facilities shall not be required in structures or tenant spaces with a total occupant load, including both employees and customers, of 15 or fewer.
- 3. Separate facilities shall not be required in mercantile occupancies in which the maximum occupant load is 100 or *fewer*.
- 4. Separate facilities shall not be required in business occupancies in which the maximum occupant load is 25 or fewer.

2902.2.1 Family or assisted-use toilet facilities serving as separate facilities. Where a building or tenant space requires a separate toilet facility for each sex and each toilet facility is required to have only one water closet, two family or assisted-use toilet facilities shall be permitted to serve as the required separate facilities. Family or assisted-use toilet facilities shall not be required to be identified for exclusive use by either sex as required by Section 2902.4.

2902.3 Employee and public toilet facilities. Customers, patrons and visitors shall be provided with public toilet facilities in structures and tenant spaces intended for public utilization. The number of plumbing fixtures located within the required toilet facilities shall be provided in accordance with Section 2902.1 for all users. Employees shall be provided with toilet facilities in all occupancies. Employee toilet facilities shall be either separate or combined employee and public toilet facilities.

Exception: Public toilet facilities shall not be required in:

- 1. Open or enclosed parking garages.
- 2. Structures and tenant spaces intended for quick transactions, including takeout, pickup and drop-off, having a public access area less than or equal to 300 square feet (28 m²).

2902.3.1 Access. The route to the public toilet facilities required by Section 2902.3 shall not pass through kitchens, storage rooms, closets, *or similar spaces not available to the public*. Access to the required facilities shall be from within the building or from the exterior of the building. Routes shall comply with the accessibility requirements of this code. The public shall have

access to the required toilet facilities at all times that the building is occupied. The building owner is permitted to control access to the toilet facilities. Where such access is controlled, a sign shall be posted indicating how access is to be obtained.

2902.3.2 Location of toilet facilities in occupancies other than malls. In occupancies other than covered and open mall buildings, the required public and employee toilet facilities shall be located not more than one story above or below the space required to be provided with toilet facilities, and the path of travel to such facilities shall not exceed a distance of 500 feet (152 m).

Exception: The location and maximum distances of travel to required employee facilities in factory and industrial occupancies are permitted to exceed that required by this section, provided that the location and maximum distance of travel are approved.

2902.3.3 Location of toilet facilities in malls. In covered and open mall buildings, the required public and employee toilet facilities shall be located not more than one story above or below the space required to be provided with toilet facilities, and the path of travel to such facilities shall not exceed a distance of 300 feet (91 mm). In mall buildings, the required facilities shall be based on total square footage (m²) within a covered mall building or within the perimeter line of an open mall building, and facilities shall be installed in each individual store or in a central toilet area located in accordance with this section. The maximum distance of travel to central toilet facilities in mall buildings shall be measured from the main entrance of any store or tenant space. In mall buildings, where employees' toilet facilities are not provided in the individual store, the maximum distance of travel shall be measured from the employees' work area of the store or tenant space.

2902.3.4 Pay facilities. Where pay facilities are installed, such facilities shall be in excess of the required minimum facilities. Required facilities shall be free of charge.

2902.3.5 Door locking. Where a toilet room is provided for the use of multiple occupants, the egress door for the room shall not be lockable from the inside of the room. This section does not apply to family or assisted-use toilet rooms.

2902.3.6 Prohibited toilet room location. Toilet rooms shall not open directly into a room used for the preparation of food for service to the public.

2902.4 Signage. Required public facilities shall be provided with signs that designate the sex as required by Section 2902.2. Signs shall be readily visible and located near the entrance to each toilet facility. Signs for accessible toilet facilities shall comply with Section 1111.

2902.4.1 Directional signage. Deleted.

2902.5 Drinking fountain location. Drinking fountains shall not be required to be located in individual tenant spaces provided that public drinking fountains are located within a distance of travel of 500 feet (152 m) of the most remote location in the tenant space and not more than one story above or below the tenant space. Where the tenant space is in a covered or open mall, such distance shall not exceed 300 feet (91 440 mm). Drinking fountains shall be located on an accessible route.

2902.6 Small occupancies. Drinking fountains shall not be required for an occupant load of 15 or fewer.

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Date

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