

Type of Building or Occupancy ²	Water Closets ^{14, 15} (Fixtures per Person)		Urinals ^{5, 10, 15} (Fixtures per Person)	Lavatories (Fixtures per Person)		Bathtubs or Showers (Fixtures per Person)	Drinking Fountains ^{3, 13} (Fixtures per Person)
Penal Institutions – for prison use							
Cell	1 per cell		Male	1 per cell			1 per cell block floor
Exercise Room	1 per exercise room		1 per exercise room	1 per exercise room			1 per exercise room
Restaurants, Pubs and Lounges¹¹							
	Male	Female	Male	Male	Female		
	1: 1-50	1: 1-50	1: 1-150	1: 1-150	1: 1-150		
	2: 51-150	2: 51-150	Over 150, add 1 fixture for each additional 150 males	2: 151-200	2: 151-200		
	3: 151-300	4: 151-300		3: 201-400	3: 201-400		
	Over 300, add 1 fixture for each additional 200 persons			Over 400, add 1 fixture for each additional 400 persons			
Schools – for staff use							
All schools	Male	Female	Male	Male	Female		
	1: 1-15	1: 1-15	1 per 50	1 per 40	1 per 40		
	2: 16-35	2: 16-35					
	3: 36-55	3: 36-55					
	Over 55, add 1 fixture for each additional 40 persons						
Schools – for student use							
Nursery	Male	Female		Male	Female		1 per 150 ¹²
	1: 1-20	1: 1-20		1: 1-25	1: 1-25		
	2: 21-50	2: 21-50		2: 26-50	2: 26-50		
	Over 50, add 1 fixture for each additional 50 persons			Over 50, add 1 fixture for each additional 50 persons			
Elementary	Male	Female	Male	Male	Female		1 per 150 ¹²
	1 per 30	1 per 25	1 per 75	1 per 35	1 per 35		
Secondary	Male	Female	Male	Male	Female		1 per 150 ¹²
	1 per 40	1 per 30	1 per 35	1 per 40	1 per 40		
Others (Colleges, Universities, Adult Centers, etc.)	Male	Female	Male	Male	Female		1 per 150 ¹²
	1 per 40	1 per 30	1 per 35	1 per 40	1 per 40		
Worship Places	Male	Female	Male	1 per 2 water closets			1 per 150 ¹²
Educational and Activities Unit	1 per 150	1 per 75	1 per 150				

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Worship Places Principal Assembly Place	Male	Female	Male	1 per 2 water closets		1 per 150 ¹²
	1 per 150	1 per 75	1 per 150			

- The figures shown are based upon one (1) fixture being the minimum required for the number of persons indicated or any fraction thereof.
- Building categories not shown on this table shall be considered separately by the Administrative Authority.
- Drinking fountains shall not be installed in toilet rooms.
- Laundry trays. One (1) laundry tray or one (1) automatic washer standpipe for each dwelling unit or two (2) laundry trays or two (2) automatic washer standpipes, or combination thereof, for each ten (10) apartments. Kitchen sinks, one (1) for each dwelling or apartment unit.
- For each urinal added in excess of the minimum required, one water closet may be deducted. The number of water closets shall not be reduced to less than two-thirds (2/3) of the minimum requirement.
- As required by ANSI Z4.1-1968, Sanitation in Places of Employment.
- Where there is exposure to skin contamination with poisonous, infectious, or irritating materials, provide one (1) lavatory for each five (5) persons.
- Twenty-four (24) lineal inches (0.61 m) of wash sink or eighteen (18) inches (0.46 m) of a circular basin, when provided with water outlets for such space, shall be considered equivalent to one (1) lavatory.
- Laundry trays, one (1) for each fifty (50) persons. Slop sinks, one (1) for each hundred (100) persons.
- General. In applying this schedule of facilities, consideration must be given to the accessibility of the fixtures. Conformity purely on a numerical basis may not result in an installation suited to the need of the individual establishment. For example, schools should be provided with toilet facilities on each floor having classrooms.
 - Surrounding materials, wall and floor space to a point two (2) feet (0.6 m) in front of urinal lip and four (4) feet (1.2 m) above the floor, and at least two (2) feet (0.6 m) to each side of the urinal shall be lined with non-absorbent materials.
 - Trough urinals are prohibited.
- A restaurant is defined as a business which sells food to be consumed on the premises.
 - The number of occupants for a drive-in restaurant shall be considered as equal to the number of parking stalls.
 - Employee toilet facilities are not to be included in the above restaurant requirements. Hand washing facilities must be available in the kitchen for employees.
- Where food is consumed indoors, water stations may be substituted for drinking fountains. Theatres, auditoriums, dormitories, offices, or public buildings for use by more than six (6) persons shall have one (1) drinking fountain for the first one hundred fifty (150) persons and one (1) additional fountain for each three hundred (300) persons thereafter.
- There shall be a minimum of one (1) drinking fountain per occupied floor in schools, theatres, auditoriums, dormitories, offices or public building.
- The total number of water closets for females shall be at least equal to the total number of water closets and urinals required for males.

Appendix Chapter 29 MINIMUM PLUMBING FIXTURES

SECTION 2905 — GENERAL

Each building shall be provided with sanitary facilities, including provisions for accessibility in accordance with Chapter 11. Plumbing fixtures shall be provided for the type of building occupancy with the minimum numbers as shown in Table A-29-A. The

number of fixtures are the *minimum* required as shown in Table A-29-A and are assumed to be based on 50 percent male and 50 percent female. The occupant load factors shall be as shown in Table A-29-A.

EXCEPTION: Where circumstances dictate that a different ratio is needed, the adjustment shall be approved by the building official.

DO NOT USE OCCUPANT
LOAD FROM IO A.
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TABLE A-29-A—MINIMUM PLUMBING FIXTURES^{1,2,3}

TYPE OF BUILDING OR OCCUPANCY ⁴	WATER CLOSETS ⁵ (fixtures per person)		LAVATORIES ⁶ (fixtures per person)		BATHTUB OR SHOWER (fixtures per person)
	MALE	FEMALE	MALE	FEMALE	
For the occupancies listed below, use 30 square feet (2.78 m ²) per occupant for the <i>minimum number</i> of plumbing fixtures.					
Group A Conference rooms, dining rooms, drinking establishments, exhibit rooms, gymnasiums, lounges, stages and similar uses including restaurants classified as Group B Occupancies	1:1-25 2:26-75 3:76-125 4:126-200 5:201-300 6:301-400 Over 400, add one fixture for each additional 200 males or 150 females.	1:1-25 2:26-75 3:76-125 4:126-200 5:201-300 6:301-400	one for each water closet up to four; then one for each two additional water closets		
For the assembly occupancies listed below, use the number of fixed seating or, where no fixed seating is provided, use 15 square feet (1.39 m ²) per occupant for the <i>minimum number</i> of plumbing fixtures.					
Assembly places— Auditoriums, convention halls, dance floors, lodge rooms, stadiums and casinos	1:1-50 2:51-100 3:101-150 4:151-300 Over 300 males, add one fixture for each additional 200, and over 400 females add one for each 125.	3:1-50 4:51-100 6:101-200 8:201-400	1:1-200 2:201-400 3:401-750 Over 750, add one fixture for each additional 500 persons.	1:1-200 2:201-400 3:401-750	
For the assembly occupancies listed below, use the number of fixed seating or, where no fixed seating is provided, use 30 square feet (2.29 m ²) per occupant for the <i>minimum number</i> of plumbing fixtures.					
Worship places Principal assembly area Worship places Educational and activity unit	one per 150 one per 125	one per 75 one per 75	one per two water closets one per two water closets		
For the occupancies listed below, use 200 square feet (18.58 m ²) per occupant for the <i>minimum number</i> of plumbing fixtures.					
Group B Offices or public buildings	1:1-15 2:16-35 3:36-55 Over 55, add one for each 50 persons.	1:1-15 2:16-35 3:36-55	one per two water closets		
For the occupancies listed below, use 50 square feet (4.65 m ²) per occupant for the <i>minimum number</i> of plumbing fixtures.					
Group E Schools—for staff use All schools	1:1-15 2:16-35 3:36-55 Over 55, add one fixture for each additional 40 persons.	1:1-15 2:16-35 3:36-55	one per 40 one per 40		
Schools—for student use Day care	1:1-20 2:21-50 Over 50, add one fixture for each additional 50 persons.	1:1-20 2:21-50	1:1-25 2:26-50 Over 50, add one fixture for each additional 50 persons.	1:1-25 2:26-50	
Elementary Secondary	one per 30 one per 40	one per 25 one per 30	one per 35 one per 40	one per 35 one per 40	
For the occupancies listed below, use 50 square feet (4.65 m ²) per occupant for the <i>minimum number</i> of plumbing fixtures.					
Education Facilities other than Group E Others (colleges, universities, adult centers, etc.)	one per 40	one per 30	one per 40	one per 40	

(Continued)