



101 Lucas Valley Road, Suite 300, San Rafael, CA 94903

Project Address: \_\_\_\_\_

Date: \_\_\_\_\_

### Plumbing Fixture Count Worksheet

*Note: This worksheet is for estimation purposes only.*

Select One:  Existing Conditions  
 Proposed Conditions

Please check usage type:  Private<sup>A</sup>  Public<sup>B</sup>  Assembly<sup>C</sup>

Plumbing Appliances, Appurtenances, or Fixtures	(a) Quantity	(b) Plumbing Fixture Unit Values (PFU) (Table 702.1 of CA Plumbing Code 2022)				(a) x (b) Quantity x PFU
		Minimum Size Trap and Trap Arm <sup>7</sup> (inches)	Private <sup>A</sup>	Public <sup>B</sup>	Assembly <sup>C,8</sup>	Total PFU for Each Fixture Type
Bathtub or Combination Bath/Shower		1½	2.0	2.0	—	
Bidet		1¼	1.0	—	—	
Bidet		1½	2.0	—	—	
Clothes Washer, domestic, standpipe <sup>5</sup>		2	3.0	3.0	3.0	
Dental Unit, cuspidor		1¼	—	1.0	1.0	
Dishwasher, domestic, with independent drain <sup>2</sup>		1½	2.0	2.0	2.0	
Drinking Fountain or Water Cooler		1¼	0.5	0.5	1.0	
Food Waste Disposer, commercial		2	—	3.0	3.0	
Floor Drain, emergency		2	—	0.0	0.0	
Floor Drain (for additional sizes see Section 702.0)		2	2.0	2.0	2.0	
Shower, single-head trap		2 <sup>9</sup>	2.0	2.0	2.0	
Multi-head, each additional		2	1.0	1.0	1.0	
Lavatory		1¼	1.0	1.0	1.0	
Lavatory in sets		1½	2.0	2.0	2.0	
Washfountain		1½	—	2.0	2.0	
Washfountain		2	—	3.0	3.0	
Mobile Home or Manufactured Home, trap <sup>10</sup>		3	6.0	—	—	
Receptor, indirect waste <sup>1,3</sup>		1½	See footnote <sup>1,3</sup>			
Receptor, indirect waste <sup>1,4</sup>		2	See footnote <sup>1,4</sup>			
Receptor, indirect waste <sup>1</sup>		3	See footnote <sup>1</sup>			
Sinks						
Bar		1½	1.0	—	—	
Bar <sup>2</sup>		1½	—	2.0	2.0	
Clinical		3	—	6.0	6.0	
Commercial with food waste <sup>2</sup>		1½	—	3.0	3.0	
Exam Room		1½	—	1.0	—	
Special Purpose <sup>2</sup>		1½	2.0	3.0	3.0	
Special Purpose		2	3.0	4.0	4.0	
Special Purpose		3	—	6.0	6.0	
Kitchen, domestic <sup>2</sup> (with or without food waste grinder, dishwasher, or both)		1½	2.0	2.0	—	

**Sample: For two drinking fountains for Public Use: Quantity = 2, PFU = 0.5, Total PFU = 2 × 0.5 = 1**



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		Minimum Size Trap and Trap Arm <sup>7</sup> (inches)	Private	Public	Assembly <sup>8</sup>	Total PFU for Each Fixture Type
Sinks (continued)						
Laundry <sup>2</sup> (with or without discharge from a clothes washer)		1½	2.0	2.0	2.0	
Service or Mop Basin		2	—	3.0	3.0	
Service or Mop Basin		3	—	3.0	3.0	
Service, flushing rim		3	—	6.0	6.0	
Wash, each set of faucets		—	—	2.0	2.0	
Nonwater Urinal with Drain Cleansing Action		2	1.0	1.0	1.0	
Urinal, integral trap 1.0 GPF <sup>2</sup>		2	2.0	2.0	5.0	
Urinal, integral trap greater than 1.0 GPF		2	2.0	2.0	6.0	
Urinal, exposed trap <sup>2</sup>		1½	2.0	2.0	5.0	
Water Closet, 1.6 GPF Gravity Tank <sup>6</sup>		3	3.0	4.0	6.0	
Water Closet, 1.6 GPF Flushometer Tank <sup>6</sup>		3	3.0	4.0	6.0	
Water Closet, 1.6 GPF Flushometer Valve <sup>6</sup>		3	3.0	4.0	6.0	
Water Closet, > 1.6 GPF Gravity Tank <sup>6</sup>		3	4.0	6.0	8.0	
Water Closet, > 1.6 GPF Flushometer Valve <sup>6</sup>		3	4.0	6.0	8.0	
<b>TOTAL:</b>						

<sup>A</sup> Private – Applies to plumbing fixtures in residences and apartments, to private bathrooms in hotels and hospitals, and to restrooms in commercial establishments where fixtures are intended for the use of a family or an individual.

<sup>B</sup> Public – Applies to plumbing fixtures that are not defined as private or private use.

<sup>C</sup> Assembly - Applies to assembly occupancy. See Table 422.1 of the CA Plumbing Code.

<sup>1</sup> Indirect waste receptors shall be sized based on the total drainage capacity of the fixtures that drain thereinto, in accordance with Table 702.2.

<sup>2</sup> Provide a 2 inch (50 mm) minimum drain.

<sup>3</sup> For refrigerators, coffee urns, water stations, and similar low demands.

<sup>4</sup> For commercial sinks, dishwashers, and similar moderate or heavy demands.

<sup>5</sup> Buildings having a clothes-washing area with clothes washers in a battery of three or more clothes washers shall be rated at 6 fixture units each for purposes of sizing common horizontal and vertical drainage piping.

<sup>6</sup> Water closets shall be computed as 6 fixture units where determining septic tanks sizes based on Appendix H of this code.

<sup>7</sup> Trap sizes shall not be increased to the point where the fixture discharge is capable of being inadequate to maintain their self-scouring properties.

<sup>8</sup> Assembly [Public Use (see Table 422.1)].

<sup>9</sup> For a bathtub to shower retrofit, a 1½ inch (40 mm) trap and trap arm shall be permitted with a maximum shower size of 36 inches (914 mm) in width and 60 inches (1524 mm) in length. See Section 408.5 and Section 408.6.

<sup>10</sup> For drainage fixture unit values related to lots within the mobilehome parks in all parts of the State of California, see California Code of Regulations, Title 25, Division 1, Chapter 2, Article 5, Section 1268. For drainage fixture unit values related to lots within special occupancy parks in all parts of the State of California, see California Code of Regulations, Title 25, Division 1, Chapter 2.2, Article 5, Section 2268.