

ALTERNATE PLUMBING SYSTEMS

Appendix H

TABLE H-2
Drainage Fixture Unit Values (DFU) for Bathroom Groups^{1,2}

	Private Use Bathroom Group	Serving 3 or more Private Use Bathroom Groups
Bathroom Groups having 6L/flush Gravity-Tank Water Closets		
Half-bath or Powder Room ²	3.0	2.0
1 Bathroom Group ¹	5.0	3.0
1-1/2 Bathrooms	6.0	
2 Bathrooms	7.0	
2-1/2 Bathrooms	8.0	
3 Bathrooms	9.0	
Each Additional 1/2 Bath	0.5	
Each Additional Bathroom Group	1.0	
Bathroom Groups having 6L/flush Pressure-Tank Water Closets		
Half-bath or Powder Room ²	3.5	2.5
1 Bathroom Group ¹	5.5	3.5
1-1/2 Bathrooms	6.5	
2 Bathrooms	7.0	
2-1/2 Bathrooms	8.5	
3 Bathrooms	9.5	
Each Additional 1/2 Bath	0.5	
Each Additional Bathroom Group	1.0	
Bath Group (6L/flush Flushometer Valve)	5.0	3.0

Notes:

¹ A bathroom group, for the purposes of this table, consists of not more than 1 water closet, up to 2 lavatories, and either 1 bathtub or 1 shower.

² A half-bath or powder room, for the purposes of this table, consists of 1 water closet and 1 lavatory.

SI: 1L = 0.26 gal.

H 6.3 Branch Vents. Where branch vents exceed 12m (40 ft.) in developed length, such vent shall be increased by 1 pipe size for the entire developed length of the vent pipe.

H 6.4 Venting Horizontal Offsets. Drainage stacks with horizontal offsets shall be vented where 5 or more branch intervals are located above the offset. The upper and lower section of the horizontal offset shall be vented in accordance with L 6.4.1 and L 6.4.2.

H 6.4.1 Venting Upper Section. The vent for the upper section of the stack shall be vented as a separate stack with a vent stack connection installed at the base of the drainage stack. Such vent stack shall connect below the lowest horizontal branch or building drain. Where vent stack connects to the building drain, the connection shall be located downstream of the drainage stack and within a distance of 10 times the diameter of the drainage stack.

H 6.4.2 Venting Lower Section. The vent for the lower section of the stack shall be vented by a yoke vent connecting between the offset and the next lower horizontal branch by means of a wye-branch fitting. The size of the yoke vent and

connection shall be not less in diameter than that, the required size for the vent serving the drainage stack. The yoke vent connection shall be permitted to be a vertical extension of the drainage stack.

H 7.0 Vacuum Drainage Systems.

H 7.1 Vacuum drainage systems shall be considered engineered systems and shall comply with the requirements of L 1.0 and L 2.0.

H 7.2 Vacuum drainage systems, including piping tank assemblies, vacuum pump assembly, and other components necessary for the proper function of the system shall be engineered and installed in accordance with the manufacturer's specifications. Plans and specifications shall be submitted to the Authority Having Jurisdiction for review and approval prior to installation.

H 7.3 Fixtures. Fixtures used in vacuum drainage systems shall comply with L 1.4 and L 1.5.

H 7.4 Drainage Load. The pump discharge load from the collector tanks shall be in accordance with Chapter 7 of this Code.