

State Building Code Council

Hawaii State Plumbing Code

Effective Date: August 21, 2018

Purpose. The purpose of this chapter is to adopt the state plumbing code as required by Section 107-25, Hawaii Revised Statutes (HRS).

Scope. This chapter sets forth minimum requirements for the design, installation, alteration, repair, and construction of plumbing and drainage systems, and shall apply to all new construction, relocation, alteration, repair or reconstruction.

Definitions. Unless the context otherwise requires:

"IAPMO" means the International Association of Plumbing and Mechanical Officials.

"UPC" means the Uniform Plumbing Code as published by the International Association of Plumbing and Mechanical Officials.

"Section" means a section of a chapter of the Uniform Plumbing Code.

Adoption of the Uniform Plumbing Code. The "Uniform Plumbing Code, 2012 Edition" including appendices A, B, C, G and I as copyrighted and published by International Association of Plumbing and Mechanical Officials, 5001 East Philadelphia Street, Ontario, CA 91761-2816 is incorporated by reference and made a part of this chapter. This incorporation by reference includes all parts of the Uniform Plumbing Code subject to the amendments hereinafter set forth.

Permit Authorization. Each county may, by ordinance, require that a permit be obtained from the building official for any area regulated by this chapter.

AMENDMENTS TO THE 2012 IAPMO UNIFORM PLUMBING CODE

101.1 Title. This document shall be known as the State of Hawaii Plumbing Code, and may be cited as such, and will be referred to herein as "this code".

102 Organization and Enforcement. In accordance to HRS107 the provisions of this code are State standards and are enforced when adopted by the counties or as an interim code if the counties fail to adopt. Provisions for licensing of design professionals and any person to perform plumbing work shall be in accordance to HRS444, 448E and 464.

Definitions.

204.0 -B-

Building Drain - That part of the lowest piping of a drainage system that receives the discharge from soil, waste, and other drainage pipes inside the walls of buildings and conveys it to the building sewer beginning five (5) feet (1524 mm) outside the building wall.

210.0 -H- Health Officer - Health Officer shall mean the director of health of the department of health, State of Hawaii, or the director's authorized agent."

221.0 -S- Single Stack Vent System - A specially designed plumbing system wherein a common stack serves as a drainage pipe as well as a vent pipe.

General Regulations.

301.2 The use of the 2012 International Plumbing Code may be used in lieu of the Uniform Plumbing Code when approved by the administrative authority. A written request by a Hawaii licensed mechanical engineer with the concurrence of the building or project owner must be made to the administrative authority. The details of this approval shall be recorded and entered in the files of the department. Plans submitted shall be stamped by the Hawaii licensed mechanical engineer. This section shall only apply to a new building or project and shall not be applied in conjunction with an existing building. Provisions of the Uniform Plumbing Code and the 2012 International Plumbing Code shall not be combined or interchanged unless approved by the administrative authority. Plans submitted shall clearly state on the submitted title, plumbing and/or mechanical sheets

that the 2012 International Plumbing Code was used as the basis of design.

313.8 Seismic supports. Where earthquake loads are applicable in accordance with the building code, plumbing piping supports shall be designed and installed for the seismic forces in accordance with the building code.

Plumbing Fixtures and Fixture Fittings.

422.0 Minimum Number of Required Fixtures.

Plumbing fixtures shall be provided for the type of building occupancy and in the minimum number required in Chapter 29 of the International Building Code.

Materials.

604.11 Lead Content. The maximum allowable lead content in pipes, pipe fittings, plumbing fittings, and fixtures intended to convey or dispense water for human consumption shall be not more than a weighted average of 0.25 percent with respect to the wetted surfaces of pipes, pipe fittings, plumbing fittings, and fixtures. For solder and flux, the lead content shall be not more than 0.2 percent where used in piping systems that convey or dispense water for human consumption. Exceptions:

- (1) Pipes, pipe fittings, plumbing fittings, fixtures or backflow preventers used for nonpotable services such as manufacturing, industrial processing, irrigation, outdoor watering, or any other uses where the water is not used for human consumption.
- (2) Water closets, bidets, urinals, fill valves, flushometer valves, tub fillers, shower valves, service saddles, or water distribution main gate valves that are 2 inches (50 mm) in diameter or larger.

Sanitary Drainage. 715.1 The building sewer, beginning five (5) feet (1524 mm) from any building or structure shall be of

Vents. 911.0 Single Stack System. When approved by the administrative authority, a single-stack system based on engineered studies and tests may be used in lieu of other related provisions in this code. Plans and specifications of such systems shall be prepared and stamped by a Hawaii licensed mechanical engineer.]

Storm Drainage. Section 1101.11.1 is amended to read as follows:

1101.11.1 Primary Roof Drainage. Roof areas of a building shall be drained by roof drains or gutters. The location and sizing of drains and gutters shall be coordinated with the structural design and pitch of the roof. Unless otherwise required by the authority having jurisdiction, roof drains, gutters, vertical conductors or leaders, and horizontal storm drains for primary drainage shall be sized based on a storm of sixty (60) minutes duration and 100 year return period. Refer to the National Weather Service rainfall map for 100-year, 60-minute storms at various locations.

Alternate Water Sources for Non-potable Applications

1601.3 Permit or Approval

It shall be unlawful for any person to construct, install, or alter, or cause to be constructed, installed, or altered any alternate water source system in a building or on a premises without first obtaining a permit or approval to do such work from the authority having jurisdiction.

1602.7 Drawings and Specifications.

The authority having jurisdiction may require any or all of the following information to be included with or in the plot plan before a permit or approval is issued for a gray water system, or at any time during the construction thereof:

§3-183-15 Referenced Standards

Table 1401.1 is amended by adding between Standard Number SAE-J1670-2008 and TCNA A118-1-2011* to read:"

Standard Number	Standard Title	Application	Referenced Sections
State of	Standard	Various	Various

Hawaii - Rev. Sept. 2000	Details for Public Works Construction		
State of Hawaii - 2002	Water System Standards	Various	Various