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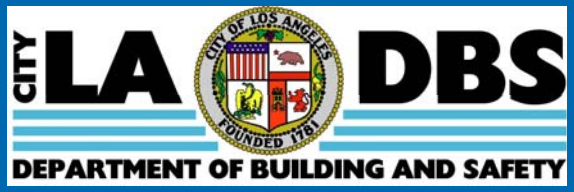

CITY of LOS ANGELES

DEPARTMENT of

BUILDING and SAFETY

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CITY LA DBS

DEPARTMENT OF BUILDING AND SAFETY

Los Angeles Plumbing Code (LAPC) 2008
California Plumbing Code (CPC) 2007
Uniform Plumbing Code (UPC) 2006

Major Code Changes
Preliminary Analysis

Draft

Chapter 2
DEFINITIONS

New definitions have been added to the code.

Chapter 4
PLUMBING FIXTURES AND FIXTURE FITTINGS

<u>Major changes in the chapter:</u>

94.413.1 Limitation of hot water temperature for Public Lavatories. Limits water temperature to a maximum 120˚F.

Draft

Chapter 5
WATER HEATERS

Major changes in the chapter:

This chapter has been revised, and the design and installation of Water Heaters are based on the National Fuel Gas Code (NFGC) NFPA 54, additional to the other provision within the chapter. Some of the change are:

New definitions have been added defining new terminologies.

More detailed information on chimney construction.

New tables providing specific information about clearances from combustibles and forms of protection.

Water Heater Requirements 505

Language Change

- **505.1 Location.** Water heater installations in bedrooms and bathrooms shall comply with one of the following: ~~be of the direct-vent type.~~ [NFPA 54:9.28.1.1]

  - (1) Fuel burning water heaters shall may be installed in a closet located in the bedroom or bathroom provided the closet is equipped with a weatherstripped listed, gasketed door assembly with and a listed self-closing device.
    - The self-closing door assembly shall meet the requirements of section 505.1.1.
    - The door assembly shall be installed with a threshold and bottom door seal and shall meet the requirements of section 505.1.2. and All combustion air for such installations shall be obtained from the outdoors in accordance with Section 507.4.
    - The closet shall be for the exclusive use of the water heater.

  - (2) Water heater shall be of the direct vent type. [NFPA 54:9.28.1.2]

Chapter 6
WATER SUPPY AND DISTRIBUTION

Major changes in the chapter:

94.601.1 Exception: Listed fixtures which do not require water for their operation and are not connected to the water supply.

The current language requires water for all fixtures even if the fixture does not utilize water as the means to discharge the waste into the drainage system. This restricts the use of other acceptable means for waste removal. The code references the standards for other methods of removal, and this section will not prohibit them.

Chapter 6
WATER SUPPY AND DISTRIBUTION .

94.604.1 Materials. All materials intended for use in potable water systems shall meet the requirements of NSF 61 as found in Table 14-1.

94.604.1.1 The local Authority Having Jurisdiction may allow the installation of CPVC piping and fittings for potable hot and cold water systems inside of residential buildings under specified conditions.

Chapter 7
SANITARY DRAINAGE

Major changes in the chapter:

94.701.1 Stainless Steel 304 or 316L drainage piping have been added as approved materials. HCD 1 and HCD 2 limit PVC and ABS to residential buildings not over 2 stories.

94.710.13 Macerating Toilet Systems: Listed Macerating Toilet Systems shall be permitted as an alternate to a sewage pump system when approved by Authority Having Jurisdiction.

Chapter 7
SANITARY DRAINAGE

94.715.3 Provides installation requirements for trenchless methodology for replacement of existing building sewer and building storm sewers.

Chapter 8
INDIRECT WASTES

Major changes in the chapter:

94.811.2 Adds PP and PVDF as approved waste pipe receiving or intended to receive the discharge of any fixture into which acid or corrosive chemical is placed.

PP: Polypropylene
PVDF: Polyvinylidene Fluoride

Chapter 9
VENTS

Major changes in the chapter:

94.903.1.3 HCD 1 and HCD 2 limit PVC and ABS to residential buildings not over 2 stories.

94.903.1 Adds stainless steel 304 and 316L pipe as approved material for venting.

94.908.4 Adds bathroom wet venting as an alternative venting system for dwellings and guest rooms.

Chapter 10
TRAPS AND INTERCEPTORS

Major changes in the chapter:

94.1014.1 Prohibits toilets and urinals from draining through grease interceptors.

94.1014.2 Deletes the term “grease trap” and replaces it with “grease interceptor”. Manufacturers’ and standards address these as grease interceptors instead of grease traps.
Design shall comply with Table 10-2, Table 10-3 and Table 14-1.

Table 10-2 Sizing table for Hydromechanical Grease Interceptors (HGI)

Chapter 11
STORM DRAINAGE

Major changes in the chapter:

94.1101.3 Adds stainless steel 304 and 316L as approved material for storm drainage systems.

94.1101.11.2.1 Adds scuppers or open side walls as adequate for overflow.

94.1101.11.2.2.1 Requires a separate overflow system terminating to an observable location.

1101.11.2.2.2 (CPC) Allows combining roof and overflow drains. Not adopted by City of Los Angeles.

1104.3 (CPC) Allows combining of stormwater and sewers. Not adopted by Los Angeles Plumbing Code.

Standard Urban Stormwater Management Plan (SUSMP)

- SUSMP approval is required for stormwater disposal.
- Filters shall be of an approved type.
- MTL or IAPMO approvals.
- Fire Storage Tank Overflow ; NEW IB….

Chapter 12
FUEL PIPING

This chapter has been extensively changed to make it consistent with the language used in the NFPA 54, National Fuel Gas Code and other standards covering the installation of fuel piping.

New approved pipe materials, new pipe sizing tables (tables 12-7 through 12-41) and various engineering methods of pipe sizing have been added to this chapter.

Chapter 12
FUEL PIPING

Pressure Drops
Different Calculation Methods
CSST Plan Check, EHD
Seismic Gas Shutoff Valves
7-9 Inches of W.C.
35 New Tables

Chapter 15
FIRESTOP PROTECTION

This new chapter was added to plumbing code to address fire stop requirements for piping penetrations through walls and ceilings for different type of construction.

Contact LADBS Mechanical Test Lab for approved material and construction methods.

Testing shall be per ASTM E119 or ASTM E814

Chapter 16
GRAY WATER SYSTEMS
This Chapter is adopted.