

**PORT OF SAN FRANCISCO
MECHANICAL CODE**

2008 EDITION



Effective Date: January 1, 2008

PUBLISHER'S NOTE

The full 2008 Port of San Francisco Mechanical Code adopts, with amendments, the 2007 California Mechanical Code, which incorporates by adoption the 2006 Uniform Mechanical Code with California amendments.

The Port of San Francisco Mechanical Code amendments contained herein are designed to be used in conjunction with the 2007 California Mechanical Code.

**2007 California Mechanical
Code**
**(Which incorporates the 2006 Uniform
Mechanical Code)**

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**2008
Port of San Francisco
Mechanical Code**

**2008 Port of San Francisco
Amendments**

2008 Port of San Francisco Mechanical Code

**PREFACE TO THE
PORT MECHANICAL CODE**

To simplify use of the Port of San Francisco Mechanical Code, amendments with corresponding sections of the 2007 California Mechanical Code, explanatory remarks appearing in *italics* are provided at the beginning of each amendment indicating whether the Port of San Francisco Mechanical Code amendment to the 2007 California Electrical Code is adding, revising, or replacing a section or portion of a section.

2008 Port of San Francisco Mechanical Code

Chapter 1A ADMINISTRATION

Adopt Appendix Chapter 1 of the 2007 California Mechanical Code Administration, amended as follows:

Chapter 1 ADMINISTRATION

PART 1 – GENERAL

SECTION 101 – TITLE

101.0. *Revise the first section of:*

These regulations shall be known as the **2007 Port of San Francisco Mechanical Code,**” may be cited as such, and will be referred to herein as “this code.”

SECTION 103 – SCOPE

103.0. Revise the first paragraph as follows:

The provisions of this code shall apply to the addition to, **moving, demolition,** erection, installation, alteration, repair, relocation, replacement, use, or maintenance of any heating, ventilating, cooling, refrigeration systems; incinerators; or other miscellaneous heat-producing appliances within this jurisdiction.

103.1. *Add the following paragraph:*

Wherever in this code reference is made to the appendix, the provisions of the appendix shall not apply unless specifically adopted.

SECTION 105 – ALTERNATE MATERIALS AND METHODS OF CONSTRUCTION EQUIVALENCY

105.1 *Add the following paragraph at the end of the section:*

Application may be made to the Port Building Code Review Board in accordance with Section 105 of the Building Code for review and approval of alternate materials, methods and types of construction and for variances from the provisions of this code. 105.1 Fees. See Building Code Section 110A, Table 1A-J - Miscellaneous Fees - for applicable fees.

2008 Port of San Francisco Mechanical Code

Chapter 1A

ADMINISTRATION

PART II – ORGANIZATION AND ENFORCEMENT

SECTION 108 – POWERS AND DUTIES OF THE AUTHORITY HAVING JURISDICTION

108.1 *Revise the first paragraph as follows:*

108.1 General. The **Chief Harbor Engineer** is hereby authorized and directed to enforce all provisions of this code. For such purposes the Authority Having Jurisdiction shall have the powers of a law enforcement officer.

108.10 *Add the following new section:*

108.10 The Chief Harbor Engineer May Adopt Rules and Regulations. The Chief Harbor Engineer shall have the power to render interpretations of this code and to adopt and enforce rules and supplemental regulations to clarify the application of its provisions. Such interpretations, rules and regulations shall be in conformance with the intent and purpose of this code. Such rules and regulations, commonly referred to as “Port Code Procedures” supplemental to this code, shall not take effect until approved by the Port Building Code Review Board and signed by the Chief Harbor Engineer except in unusual circumstances where the Chief Harbor Engineer has determined there is an immediate need to protect the public health and safety. When the Chief Harbor Engineer finds that such circumstances exist, the Chief Harbor Engineer may order immediate temporary enforcement of a particular rule or regulation.

SECTION 110 – PORT BUILDING CODE REVIEW BOARD

110.0. *Replace this title section and Section 110.1 as follows:*

110.0 Port Building Code Review Board.

Applicants may appeal decisions made by the Department to the Port Building Code Review Board regarding review and approval of alternate materials, methods and types of construction and for variances from the provisions of this code in accordance with Section 105 of the Building Code.

PART III – PERMITS AND INSPECTIONS

SECTION 113.0 – APPLICATION FOR PERMIT

2008 Port of San Francisco Mechanical Code

Chapter 1A

ADMINISTRATION

113.1. *Replace this section as follows:*

113.1 Application. Applications for permits to perform regulated mechanical work shall conform to the applicable requirements as set forth in Chapter 1A of the Building Code and Chapter 1 of the Plumbing Code.

SECTION 114.0 – PERMIT ISSUANCE

114A.1. *Replace this section as follows:*

114.1 General. Permit processing and issuance for regulated mechanical work shall conform to the applicable requirements as set forth in Chapter 1A of the Building Code and Chapter 1 of the Plumbing Code.

SECTION 115.0 – FEES

115.1 *Replace this entire section with the following section:*

115.1 General. Fees for regulated mechanical work shall be as set forth in Chapter 1A of the Building Code and in Chapter 1 of the Plumbing Code.

2008 Port of San Francisco Mechanical Code

Chapter 2 DEFINITIONS

Section 204.0

BUILDING CODE - *Add a sentence at the end of the paragraph as follows:*

For the purpose of the Port of San Francisco Mechanical Code, "Building Code" shall be the most recent edition of the Port of San Francisco Building Code.

Section 207.0

ELECTRICAL CODE - *Add a sentence at the end of the paragraph as follows:*

For the purpose of the Port of San Francisco Mechanical Code, "Electrical Code" shall be the most recent edition of the Port of San Francisco Electrical Code.

Section 208.0

FIRE CODE - *Add a sentence at the end of the paragraph as follows:*

For the purpose of the Port of San Francisco Mechanical Code, "Fire Code" shall be the Fire Code as adopted by the State Fire Marshal and amended as the 2007 San Francisco Fire Code.

Section 218.0

PLUMBING CODE - *Add a sentence at the end of the paragraph as follows:*

For the purpose of the Port of San Francisco Mechanical Code, "Plumbing Code" shall be the most recent edition of the Port of San Francisco Plumbing Code.

2008 Port of San Francisco Mechanical Code

Chapter 2
DEFINITIONS

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2008 Port of San Francisco Mechanical Code

Chapter 3

GENERAL REQUIREMENTS

No Port of San Francisco Mechanical Code Amendments

2008 Port of San Francisco Mechanical Code

Chapter 4

VENTILATION AIR SUPPLY

No Port of San Francisco Mechanical Code Amendments

2008 Port of San Francisco Mechanical Code

Chapter 5

EXHAUST SYSTEMS

No Port of San Francisco Mechanical Code Amendments

2008 Port of San Francisco Mechanical Code

Chapter 6

DUCT SYSTEMS

No Port of San Francisco Mechanical Code Amendments

2008 Port of San Francisco Mechanical Code

Chapter 7

COMBUSTION AIR

No Port of San Francisco Mechanical Code Amendments

2008 Port of San Francisco Mechanical Code

Chapter 8

CHIMNEYS AND VENTS

No Port of San Francisco Mechanical Code Amendments

2008 Port of San Francisco Mechanical Code

Chapter 9

SPECIAL FUEL-BURNING AND ENERGY-UTILIZING EQUIPMENT

SECTION 918.0 - INCINERATORS, COMMERCIAL - INDUSTRIAL

918.0 *Add the following sentence as t second paragraph:*

The operation and installation of incinerators shall also comply with the regulations of the Bay Area Quality Management District.

2008 Port of San Francisco Mechanical Code

Chapter 10

STEAM AND HOT WATER BOILERS

SECTION 1022.0 – INSPECTIONS AND TESTS

1022.0 *Revise this section as follows:*

1022.0 Inspections and Tests.

An installation for which a permit is required shall not be put into service until it has been **certified by a licensed boiler contractor or inspected by an approved insuring company inspector and an operating permit has been issued.**

It shall be the duty of the owner or his authorized representative to notify the **Chief Harbor Engineer** that the installation **has been certified or inspected.** It also shall be the duty of the owner or his authorized representative to post in a conspicuous position on the installation a notice in substantially the following form: "Warning! This installation has not been inspected and approved by the Authority Having Jurisdiction and shall not be covered or concealed until so inspected and approved," and it shall be **a violation of this code** for anyone other than the Authority Having Jurisdiction to remove such notice. The Authority Having Jurisdiction shall require such tests as it deems necessary to determine that the installation complies with the provision of this section. Such test shall be made by the owner or his authorized representative in the presence of the Authority Having Jurisdiction.

Exception: On installations designed and supervised by a registered professional engineer, the **Chief Harbor Engineer** shall have the authority to permit inspection and testing by such engineer.

~~When the owner or his authorized representative requests inspection of a boiler prior to its installation, the Authority Having Jurisdiction shall make such inspection.~~

SECTION 1023.0 – OPERATING PERMIT

1023.0 *Revise this section as follows:*

1023.0 Operating Permit

It shall be a violation of this code to operate a boiler or pressure vessel without first obtaining a valid operating permit to do so from the Authority Having Jurisdiction. Such permit shall be displayed in a conspicuous place adjacent to the boiler or vessel. The operating permit shall not be issued until the equipment has been **certified as complying with State of California Building Safety Orders by a licensed boiler contractor, by employees of an approved insuring company holding commissions from the National Board of Boiler and Pressure Vessel Inspectors or by a registered professional engineer.**

Exception: The operation only of steam-heating boilers, low-pressure hot-water-heating boilers, hot-water supply boilers and pressure vessels in Group R Occupancies of less than six dwelling units and in Group U Occupancies.

SECTION 1024.0 – MAINTENANCE INSPECTION

2008 Port of San Francisco Mechanical Code

2008 Port of San Francisco Mechanical Code

Chapter 10

STEAM AND HOT WATER BOILERS

1024.0 *Revise the first paragraph as follows:*

The Chief Harbor Engineer shall **require an inspection of** boilers and pressure vessels operated under permit at such intervals as deemed necessary, but not less frequently than noted below:

1024.4 *Revise the second paragraph as follows:*

Inspection of boilers and pressure vessels **may be made by licensed C-4 Boiler Contractors and, when** covered by insurance, may be made by employees of the insuring company holding commissions from the National Board of Boiler and Pressure Vessel Inspectors, subject to approval of the Authority Having Jurisdiction. Approved inspectors shall make reports on prescribed forms on inspections authorized by the Authority Having Jurisdiction. The reports shall be filed in the Authority Having Jurisdiction office. Inspectors shall notify the Authority Having Jurisdiction of suspension of insurance because of dangerous conditions, new insurance in effect, discontinuance of insurance coverage, **or any unsafe conditions requiring correction.**

2008 Port of San Francisco Mechanical Code

Chapter 11

REFRIGERATION

No Port of San Francisco Mechanical Code Amendments

2008 Port of San Francisco Mechanical Code

Chapter 12

HYDRONICS

No Port of San Francisco Mechanical Code Amendments

2008 Port of San Francisco Mechanical Code

Chapter 13

FUEL GAS PIPING

SECTION 1309.5.1.1 - Materials. *Add three new paragraphs as follows:*

Ferrous gas piping in exterior or similar locations shall be protected from corrosion by approved machine applied protective coatings or wrapping materials that conform to recognized standards. Field wrapping, providing equivalent protection may be used and is restricted to those fittings and short sections where factory wrap has been damaged or necessarily stripped for threading or welding. Zinc coatings shall not be deemed adequate for exterior or similar use. Protectively coated pipe shall be inspected and tested and any visible void, damage or imperfection to the pipe coating shall be repaired to comply with Section 313 of the Port Plumbing Code.

In portions of fish processing facilities, canneries and other indoor wet locations, and in locations where walls are frequently washed or subject to sea air, ferrous gas piping shall be protected as required for exterior locations.

Unless specifically approved by the Chief Harbor Engineer, gas piping shall be prohibited underneath piers, docks and wharfs.

2008 Port of San Francisco Mechanical Code

Chapter 14

PROCESS PIPING

No Port of San Francisco Mechanical Code Amendments

2008 Port of San Francisco Mechanical Code

Chapter 15

SOLAR SYSTEMS

No Port of San Francisco Mechanical Code Amendments

2008 Port of San Francisco Mechanical Code

Chapter 16

STATIONARY FUEL CELL POWER PLANTS

No Port of San Francisco Mechanical Code Amendments

2008 Port of San Francisco Mechanical Code

Chapter 17

STANDARDS

No Port of San Francisco Mechanical Code Amendments