

RHODE ISLAND STATE BUILDING CODE

**Mechanical Code
Regulation SBC-4
September 1, 2002**

**Replaces Regulation SBC-4-98
Dated April 1, 1998**



STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS

**Department of Administration
BUILDING CODE STANDARDS COMMITTEE
One Capitol Hill
Providence, Rhode Island 02908-5859
(401) 222-3033
FAX NO. (401) 222-2599**

7th EDITION

State Mechanical Code
Regulation SBC-4
September 1, 2002

The Building Code Standards Committee, in accordance with the rule making authority of Title 23, Chapter 23-27.3, Section 109.1, paragraph a through c inclusive, hereby adopts the provisions of the International Mechanical Code 2000 edition, as published by the International Code Council, Inc., as the Rhode Island Mechanical Code, together with the amendments thereto hereinafter set forth to the chapters and sections of said code:

Format: This Report follows numbering sequence and topics of IMC 2000(first printing). All provisions of IMC 2000 are retained unless indicated as deleted or revised. Published errata will be incorporated into the final documents.

Chapter 1

Revise section 101.1, Title, to read as follows:

101.1 Title. These regulations shall be known as Mechanical Code Regulations SBC-4, hereafter referred to as “ this code.”

Delete I.M.C. Sections 103 through 109.7 in their entirety without substitution.

Add the following section 101.5

101.5 References

101.5 References. References to other codes in the International Code series are to be substituted for appropriate sections of the State Building Codes and other referenced state codes when applicable. When a conflict occurs between a referenced International Code and a provision of the State Building Code and other referenced rules and regulations, the state code, rule or regulation shall control.

Chapter 2

201.3 Delete and substitute the following:

201.3 terms defined by others. Where terms are not defined in this code and are defined in the *RI Building Code, RI Electrical Code, International Fire Code, RI State Energy Code, RI Fuel Gas Code, or the RI Plumbing Code* such terms shall have meanings ascribed to them as in those codes.

Chapter 3

301.8.1 add the following new section M301.17

M-301.17 “Prohibited Connections” The use of potable water as an open loop, single pass heat exchange fluid for the refrigeration cycle of HVAC equipment is prohibited.

Chapter 6

602.2 Amend the first sentence of paragraph two as follows:

602.2 Construction

The use of gypsum boards to form plenums shall be limited to return air systems and where the air temperatures do not exceed 125 degrees F...

603.5.1.1 Delete and substitute the following:

603.5.1.1 Duct length. Flexible air ducts shall be limited in length by the manufacturers requirements.

606.4 Delete and substitute the following:

606.4 Controls Operation. Upon activation, the smoke detector shall shut down the air distribution system and signal a trouble alarm. Air...detector.

Chapter 8

Add the following exception to section 801.18.1

Exception: Installation of appliances below an 85% AFUE rating shall be exempt from the requirement of installing a new chimney liner.

804.18.5 add the following

804.18.5 Installation of appliances must meet the manufacturers recommendations for installation in an unlined chimney.

Chapter 10

Add Exception #8 to section 1001.1 as follows:

8. Permits for steam and water boiler installation and repairs of boilers over 200,000 BTUs for commercial uses and 400,000 BTUs for private residences or apartments shall be issued by the Department of Labor, Division of Occupational Safety, Boiler Unit.

Chapter 12

1208.1.1 Delete and substitute the following:

1208.1.1.... If actual flow rate or pressure differs from calculated design values, the designer of record shall identify the problem and order corrections as required.

Chapter 13

1301.2.1 Add the following

1301.2.1 Maximum inside fuel oil storage. Where connected to a fuel – oil piping system, the maximum amount of fuel oil storage allowed inside any building shall be 1,320 gallons. The maximum amount of oil connected to any one(1) appliance shall be 660 gallons. Where the amount of fuel oil stored inside a building exceeds 1,320 gallons the storage area shall be in compliance with the International Fire Code and the State Building Code.

1305.8 Add the following:

1305.8 Fuel Oil Supply and Vent Piping: Fill and vent lines for above ground fuel oil storage tanks shall be permitted to be a minimum of 1 ¼” in diameter for single storage tanks up to 500 gallon capacity.

APPENDIX B

The following Rhode Island amendment is made to the provisions of Appendix B:

Delete “APPENDIX B” in its entirety.