

**RHODE ISLAND
STATE BUILDING CODE**

**Regulation SBC-8 - 2004
State Energy Conservation Code
July 1, 2004**

Replaces Regulation SBC-8
Dated September 1, 2002



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**

8th EDITION

THIS PAGE LEFT INTENTIONALLY BLANK

State Energy Conservation Code
Regulation SBC-8 - 2004
July 1, 2004

The Building Code Standards Committee in accordance with the rule making authority of Title 23, Chapter 23-27.3, Section 109.1, paragraphs a through c inclusive, hereby adopts the provisions of the International Energy Conservation Code, 2003 Edition, as published by the International Code Council, Inc., as the Rhode Island State Energy Code, together with the amendments thereto hereinafter set forth to the chapters and sections of said code:

The provisions of Title 23, Chapter 27.3 of the General Laws of Rhode Island establishing administration and enforcement are hereby incorporated by reference. The regulatory administration chapter of the Rhode Island State Energy Conservation Code is supplemental to those General Laws and in the event of conflicts, the provisions of General Law shall prevail.

Editorial Note: Code users please note:

When purchasing or using the IECC 2003 code, please take note of the particular printing edition. Errata to that printing edition is available on-line directly at no charge at www.iccsafe.org/cs/codes/errata.html or call the office of the State Building Code Commissioner at 401-222-3033 for further information.

The International Energy Conservation Code, 2003 Edition, is protected by the copyright that has been issued to the ICC. As a result, the State Energy Conservation Code is not available in complete form to the public in an electronic format. The International Energy Conservation Code 2003 edition that is referred to within is contained in a printed volume and is also in an electronic format that have been published by the ICC under an exclusive license.

The Office of the State Building Code Commissioner has purchased volumes of these codes and they shall be distributed to Rhode Island cities and towns during the month of June 2004 so that local officials will have access to the code prior to the implementation of these rules on July 1, 2004.

In order to assure public access to this code the Office of the State Building Code Commissioner shall provide a copy of this code to the Rhode Island State Library, which is located on the second floor of the State House. In addition, all codes may be viewed during business hours at the Department of Administration's Library which is located on the ground floor of the William E. Powers Building, One Capitol Hill, Providence.

The Legislative Regulation Committee approved adoption of this code on April 21, 2004.

By:
Daniel R. DeDentro
Executive Secretary
Rhode Island Building Code Standards Committee
May 19, 2004

THIS PAGE LEFT INTENTIONALLY BLANK

BUILDING CODE STANDARDS COMMITTEE

CHAIRMAN
James Carlson
Public Member

VICE CHAIRMAN
Robert E. DeBlois, Jr.
Builder

EXECUTIVE COMMITTEE

William Howe
Fire Official

Dana Newbrook, RA
Architect

John Maloney
Building Official

Russell Brown Building Official	Frank Montanaro State Representative
G. Thomas Chabot Electrical Contractor	John Pagliaro Building Official
Randall Collins, Jr., RLA Landscape Architect	David F. Palmisciano Building Trades Council
Bruce L. Davey, PE Structural Engineer	Gordon W. Preiss, PE Mechanical Engineer
Paul DePace, PE Representative for the Disabled	Marie Stoeckel Public Health Official
Allen P. Durand Builders Trades Council	Stephen C. Turner, PE Public Member
Stephen Durkee, RA Architect	J. Robert Wahlberg Builder
Donald Gagnon Minimum Housing Inspector	Thomas Coffey Legal Counsel
John D. Gaskell, PE Electrical Engineer	Daniel R. DeDentro, RA State Building Commissioner Executive Secretary
Vacant Master Plumber	Vacant State Senator
Marc Lowenstein, RA Representative for the Disabled	Vacant – Electrical Inspector

THIS PAGE LEFT INTENTIONALLY BLANK

STATE BUILDING CODE REGULATIONS – 2004

The following list includes all regulations promulgated by the State Building Code Standards Committee. All regulations are available for a fee at the State Building Commission.

1.	Building Code.....	SBC-1-2004
2.	One and Two Dwelling Family Dwelling Code.....	SBC-2-2004
3.	Plumbing Code.....	SBC-3-2004
4.	Mechanical Code.....	SBC-4-2004
5.	Electrical Code.....	SBC-5-2002
6.	Reserved	SBC-6
7.	Reserved	SBC-7
8.	State Energy Code.....	SBC-8-2004
9.	Enforcement and Implementation Procedures for Projects Under the Jurisdiction of the State of Rhode Island.....	SBC-9
10.	Code Interpretations.....	SBC-10
11.	Certification of Building Officials, Building, Electrical, Plumbing and Mechanical Inspectors.....	SBC-11-2002
12.	New Materials and Methods of Construction.....	SBC-12
13.	State Building Code For Existing Schools.....	SBC-13
14.	Reserved	
15.	Reserved	
16.	Reserved	
17.	Public Buildings Accessibility Meeting Standards.....	SBC-17
18.	Native Lumber.....	SBC-18
19.	Fuel Gas Code.....	SBC-19-2004

7/1/04

THIS PAGE LEFT INTENTIONALLY BLANK

Format: These code changes follow numbering sequence and topics of the INTERNATIONAL ENERGY CONSERVATION CODE 2003 (first printing). All Provisions of IECC 2003 are retained unless indicated as deleted or revised. Published errata is available from the ICC website dependent on the printing issue number and date.

Chapter 1

ADMINISTRATION

Revise IECC section 101.1, Title, to read as follows:

101.1 Title: These regulations shall be known as the State Energy Conservation Code Regulation SBC-8 - 2004, hereafter referred to as " this code".

Add the following new section 101.1.1 referenced codes.

101.1.1 Referenced Codes. The other codes listed in Sections 101.4.1 through 101.4.7 and referenced elsewhere in this code shall be considered part of the requirements of this code to the prescribed extent of each such reference.

- 1. Electrical.** The provisions of Rhode Island State Electrical Code SBC-5-2004 shall apply wherever referenced in this code as the ICC Electrical Code, and shall apply to the installation of electrical systems, including alterations, repairs, replacement, equipment, appliances, fixtures, fittings, and appurtenances thereto.
- 2. Gas.** The provisions of the Rhode Island State Fuel Gas Code SBC-19-2004 shall apply wherever referenced in this code as the International Fuel Gas Code, and shall apply to the installation of gas piping from the point of delivery, gas appliances and related accessories as covered in this code. These requirements apply to gas piping systems extending from the point of delivery to the inlet connections of appliances and the installation and operation of residential and commercial gas appliances and related accessories.
- 3. Mechanical.** The provisions of the Rhode Island State Mechanical Code SBC-4-2004 shall apply wherever referenced in this code as the International Mechanical Code and shall apply to the installation, alterations, repairs and replacement of the mechanical systems, including equipment, appliances, fixtures, fittings and/or appurtenances, including ventilating, heating, cooling, air-conditioning and refrigeration systems, incinerators and other energy-related systems.
- 4. Plumbing.** The provisions of Rhode Island State Plumbing Code SBC-3-2004 shall apply wherever referenced in this code as the International Plumbing Code, and shall apply to the installation, alteration, repair and replacement of plumbing systems, including equipment, appliances, fixtures, fittings and appurtenances,

and where connected to a water or sewage system and all aspects of a medical gas system.

- 5. **Property Maintenance.** Refer to state or local codes.
- 6. **Fire Prevention Code.** The provisions of the International Fire Code 2003 Edition shall apply when this code directly references a section or requirement. These cross-references are not intended to impose any enforcement requirements on state or local fire officials, and any conflicts with the State Fire Safety Codes shall be resolved in favor of the stricter standard, and that standard shall be enforced by the appropriate designated authority having jurisdiction.
- 7. **Building Code.** The provisions of the Rhode Island State Building Code SBC-1-2004 shall apply wherever referenced in this code as the International Building Code, and shall apply to all matters governing the design and construction of buildings.
- 8. **Existing Building Code.** The provisions of the State Building Codes SBC-1-2004 in conjunction with the State Rehabilitation Code SRC-1 and the Rhode Island Fire Safety Code shall apply wherever referenced in this code as the International Existing Building Code.

Any and all such references to the various International Code Council family of code shall be substituted for the appropriate state code as indicated above.

Chapter 3

Design Conditions

To IECC Table 302.1 insert the following values:

Table 302.1		
Condition	value	value
Winter, design dry-bulb (degree F)	5	0
Summer, design dry-bulb	89	87
Summer design wet-bulb	73	71
Degree days heating	5950	6831
Degree days cooling	811	371
Climate zone	12a	14a

THIS PAGE LEFT INTENTIONALLY BLANK

Chapter 7

Building Design for all Commercial Buildings

Delete IECC Section 701.1 Scope and substitute the following:

701.1 Scope. Commercial buildings shall meet the requirements of ASHRAE/IESNA 90.1 -2001 including Addenda A through F only).

Exception: Commercial buildings that comply with Chapter 8.

THIS PAGE LEFT INTENTIONALLY BLANK

Chapter 8

To IECC Table 805.5.2 make the following changes:

BUILDING OR AREA TYPE	ENTIRE BUILDING	TENANT AREA OR PORTION OF BUILDING (W/ft2)
Dining	NA	1.5
Exercise Center	1.4	1.4
Industrial work<20 ft ceiling ht.	NA	2.2
Storage, industrial and commercial	0.6	1.1
Theaters-motion pictures	1.1	1.6
Remainder of chart to remain the same.		

Add Note “e”; For spaces not listed, selection of a reasonably equivalent category shall be permitted.

THIS PAGE LEFT INTENTIONALLY BLANK

Referenced Standards

701.2 At ASHRAE listings delete existing 90.1-2001 and revise ASHRAE Standard reference number to “90.1 -2001 including Addenda A through F only).”
(Remainder of title and cross-references to code sections unchanged).