APPROVED BY THE CALIFORNIA BUILDING STANDARDS COMMISSION

DECEMBER 17, 2024

# FINAL EXPRESS TERMS FOR PROPOSED BUILDING STANDARDS OF THE CALIFORNIA BUILDING STANDARDS COMMISSION REGARDING THE 2025 CALIFORNIA MECHANICAL CODE, CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 4 (BSC 01/24)

The state agency shall draft the regulations in plain, straightforward language, avoiding technical terms as much as possible and using a coherent and easily readable style. The agency shall draft the regulation in plain English. A notation shall follow the express terms of each regulation listing the specific statutes authorizing the adoption and listing specific statutes being implemented, interpreted, or made specific (Government Code Section 11346.2(a)(1)).

If using assistive technology, please adjust your settings to recognize underline, strikeout, italic and ellipsis.

## LEGEND for EXPRESS TERMS (Based on model codes - Parts 2, 2.5, 3, 4, 5, 9, 10)

* Model Code language appears upright
* Existing California amendments appear in *italic*
* Amended model code or new California amendments appear *underlined & italic*
* Repealed model code language appears ~~upright and in strikeout~~
* Repealed California amendments appear in *~~italic and strikeout~~*
* Ellipses ( …) indicate existing text remains unchanged

## FINAL EXPRESS TERMS

### ITEM 1 Chapter 1, *Division I* – *California Administration* and Division II - Administration

BSC proposes to bring forward existing California amendments in *Chapter 1, Division I, Sections 1.1.0 through 1.2.3.2* from the 2022 California Mechanical Code for adoption into the 2025 edition of the California Mechanical Code (CMC) with modifications addressed in Item 1-1 below.

BSC proposes to bring forward existing California amendment in Chapter 1 Division II Section 104.4.3.1 into the 2025 CMC.

#### ITEM 1-1 Section *1.1.1 Title*

***1.1.1 Title.*** *These regulations shall be known as the California Mechanical Code, may be cited as such and will be referred to herein as “this code.” The California Mechanical Code is Part 4 of thirteen parts of the official compilation and publication of the adoption, amendment, and repeal of building regulations to the California Code of Regulations, Title 24, also referred to as the California Building Standards Code. This part incorporates by adoption the ~~2021~~ 2024 Uniform Mechanical Code of the International Association of Plumbing and Mechanical Officials with necessary California amendments.*

#### Notation:

Authority: Health and Safety Code Sections 18928, 18928.1, 18930.5, 18934.5, and 18949.6

Reference(s): Health and Safety Code Section 18928, 18928.1, 18930.5, 18934.5, and 18949.6.

### ITEM 2 Chapter 2, Definitions

BSC proposes to adopt Chapter 2 from the 2024 UMC and carry forward existing amendment in Section 209 without change from the 2022 CMC into the 2025 CMC.

#### Notation:

Authority: Health & Safety Code Sections 18928, 18928.1, 18930.5, 18934.5, and 18949.6

Reference(s): Health & Safety Code Sections 18928, 18928.1, 18930.5, 18934.5, and 18949.6

### ITEM 3 Chapter 3, General Regulations

BSC proposes to adopt Chapter 3 of the 2024 UMC into the 2025 CMC without amendment.

#### Notation:

Authority: Health & Safety Code Sections 18928, 18928.1, 18930.5, 18934.5 and 18949.6

Reference(s): Health & Safety Code Sections 18928, 18928.1 18930.5, 18934.5 and 18949.6

### ITEM 4 Chapter 4, Ventilation Air

BSC proposes to adopt Chapter 4 of the 2024 UMC and carry forward existing amendment in Table 402.1 and former Section 401.2 from the 2022 CMC into the 2025 CMC, with minor modification to the numbering, as shown below:

#### ITEM 4-1 Sections *401.3 Filters and 401.3.1 Labeling*

***~~401.2~~ 401.3 Filters. [BSC-CG], [DSA-SS & DSA-SS/CC]*** *…*

***~~401.2.1~~ 401.3.1 Labeling.*** *…*

#### Notation:

Authority: Health & Safety Code Sections 18928, 18928.1, 18930.5, 18934.5, 18940.5 and 18949.6

Reference(s): Health & Safety Code Sections 18928, 18928.1, 18930.5, 18934.5, 18940.5 and 18949.6

### ITEM 5 Chapter 5 Exhaust Systems

BSC proposes to adopt Chapter 5 of the 2024 UMC and carry forward existing amendment in Section 511.1.6 from the 2022 CMC into the 2025 CMC.

#### Notation:

Authority: Health & Safety Code Sections 18928, 18928.1, 18930.5, 18934.5 and 18949.6

Reference(s): Health & Safety Code Sections 18928, 18928.1, 18930.5, 18934.5 and 18949.6

### ITEM 6 Chapters 6 through 14

BSC proposes to adopt Chapters 6 through 14 of the 2024 UMC into the 2025 CMC without amendments.

**Chapter 6** **– Duct Systems**

**Chapter 7 – Combustion Air**

**Chapter 8 – Chimneys and Vents**

**Chapter 9 – Installation of Specific Appliances**

**Chapter 10 – Boilers and Pressure Vessels**

**Chapter 11 – Refrigeration**

**Chapter 12 – Hydronics**

**Chapter 13 – Fuel Gas Piping**

**Chapter 14 – Process Piping**

#### Notation:

Authority: Health & Safety Code Sections 18928, 18928.1, 18930.5, 18934.5 and 18949.6

Reference(s): Health & Safety Code Sections 18928, 18928.1, 18930.5, 18934.5 and 18949.6

### ITEM 7 Chapter 15, Solar Systems

BSC proposes to NOT adopt Chapter 15 of the 2024 UMC.

#### Notation:

Authority: Health & Safety Code Sections 18928, 18928.1, 18930.5, 18934.5 and 18949.6

Reference(s): Health & Safety Code Sections 18928, 18928.1, 18930.5, 18934.5 and 18949.6

### ITEM 8 Chapters 16, 17, 18

BSC proposes to adopt Chapters 16, 17 and 18 of the 2024 UMC into the 2025 CMC without amendment.

**Chapter 16 – Stationary Power Plants**

**Chapter 17 – Geothermal Energy Systems and Ambient Temperature Loops**

**Chapter 18 – Referenced Standards**

#### Notation:

Authority: Health & Safety Code Sections 18928, 18928.1, 18930.5, 18934.5 and 18949.6

Reference(s): Health & Safety Code Sections 18928, 18928.1, 18930.5, 18934.5 and 18949.6

### ITEM 9 Appendix A

BSC proposes to NOT adopt Appendix Chapter A of the 2024 UMC.

**Appendix A – Residential Plans Examiner Review Form for HVAC System Design**

#### Notation:

Authority: Health & Safety Code Sections 18928, 18928.1, 18930.5, 18934.5 and 18949.6

Reference(s): Health & Safety Code Sections 18928, 18928.1, 18930.5, 18934.5 and 18949.6

### ITEM 10 Appendices B and C

BSC proposes to adopt Appendix Chapters B and C of the 2024 UMC into the 2025 CMC without amendment.

**Appendix B – Procedures to be Followed to Place Gas Equipment in Operation**

**Appendix C – Installation and Testing of Oil (Liquid) Fuel-Fired Equipment.**

#### Notation:

Authority: Health & Safety Code Sections 18928, 18928.1, 18930.5, 18934.5 and 18949.6

Reference(s): Health & Safety Code Sections 18928, 18928.1, 18930.5, 18934.5 and 18949.6

### ITEM 11 Appendices D, E, F, G, H, I, J

BSC proposes to NOT adopt Appendix Chapters D, E, F, G, H, I, and J of the 2024 UMC.

**Appendix D – Fuel Supply: Manufactured/Mobile Home Parks and Recreational Vehicle Parks**

**Appendix E – Sustainable Practices**

**Appendix F – Sizing of Venting Systems and Outdoor Combustion and Ventilation Opening Design**

**Appendix G – Example Calculation of Outdoor Air Rate**

**Appendix H – Professional Qualifications**

**Appendix I – Indoor Horticultural Facilities**

**Appendix J – Clean Air Delivery**

#### Notation:

Authority: Health & Safety Code Sections 18928, 18928.1, 18930.5, 18934.5 and 18949.6

Reference(s): Health & Safety Code Sections 18928, 18928.1, 18930.5, 18934.5 and 18949.6