# APPROVED BY THE CALIFORNIA BUILDING STANDARDS COMMISSION

# December 14, 2021

# FINAL EXPRESS TERMSFOR PROPOSED BUILDING STANDARDSOF THE DIVISION OF THE STATE ARCHITECT-STRUCTURAL SAFETY

# (DSA-SS AND DSA-SS/CC)REGARDING THE 2022 CALIFORNIA MECHANICAL CODE,

# CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 4

# (DSA SS/CC 01/21)

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, italics 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* Repealed model code language appears ~~upright and in strikeout~~
* Repealed California amendments appear in *~~italic and strikeout~~*
* Ellipsis ( ...) indicate existing text remains unchanged

# FINAL EXPRESS TERMS

## Item 1 CHAPTER 1, Administration

***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 mechanical regulations to the California Code of Regulations, Title 24, also referred to as the California Building Standards Code. This part incorporates by adoption the ~~2018~~ 2021 Uniform Mechanical Code of the International Association of Plumbing and Mechanical Officials with necessary California amendments.*

**DIVISION II
ADMINISTRATION**

**101.0 General.**

**101.1 Title.** This document shall be known as the “Uniform Mechanical Code”, may be cited as such, and will be referred to herein as “this code.”

…

**Notation:** DSA-SS

**Authority:** Education Code Sections 17310 and 81142, and Health and Safety Code Section 16022

Reference(s): Education Code Sections 17280 through 17317, and 81130 through 81147, and Health and Safety Code Sections 16000 through 16023.

**Notation:** DSA-SS/CC

Authority: Education Code Section 81053.

Reference(s): Education Code Sections 81052, 81053, and 81130 through 81147.

## Item 2CHAPTER 2, DEFINITIONS

DSA proposes to adopt Chapter 2 of the 2021 Uniform Mechanical Code (UMC) with existing California amendments carried forward into the 2022 edition of the California Mechanical Code (CMC).

**Notation:** DSA-SS

Authority: Education Code Sections 17310 and 81142, and Health and Safety Code Section 16022.

Reference(s): Education Code Sections 17280 through 17317, and 81130 through 81147, and Health and Safety Code Sections 16000 through 16023.

**Notation:** DSA-SS/CC

Authority: Education Code Section 81053.

Reference(s): Education Code Sections 81052, 81053, and 81130 through 81147.

## Item 3CHAPTER 3, GENERAL REGULATIONS

DSA proposes to adopt Chapter 3 of the 2021 UMC with existing California amendments carried forward into the 2022 edition of the CMC.

**Notation:** DSA-SS

Authority: Education Code Sections 17310 and 81142, and Health and Safety Code Section 16022.

Reference(s): Education Code Sections 17280 through 17317, and 81130 through 81147, and Health and Safety Code Sections 16000 through 16023.

**Notation:** DSA-SS/CC

Authority: Education Code Section 81053.

Reference(s): Education Code Sections 81052, 81053, and 81130 through 81147.

## Item 4CHAPTER 4, Ventilation Air Supply

DSA proposes to adopt Chapter 4 of the 2021 UMC with existing California amendments carried forward into the 2022 edition of the CMC.

**Notation:** DSA-SS

Authority: Education Code Sections 17310 and 81142, and Health and Safety Code Section 16022.

Reference(s): Education Code Sections 17280 through 17317, and 81130 through 81147, and Health and Safety Code Sections 16000 through 16023.

**Notation:** DSA-SS/CC

Authority: Education Code Section 81053.

Reference(s): Education Code Sections 81052, 81053, and 81130 through 81147.

## Item 5CHAPTER 5, Exhaust Systems

DSA proposes to adopt Chapter 5 of the 2021 UMC with existing California amendments carried forward into the 2022 edition of the CMC.

**Notation:** DSA-SS

Authority: Education Code Sections 17310 and 81142, and Health and Safety Code Section 16022.

Reference(s): Education Code Sections 17280 through 17317, and 81130 through 81147, and Health and Safety Code Sections 16000 through 16023.

**Notation:** DSA-SS/CC

Authority: Education Code § 81053.

Reference(s): Education Code Sections 81052, 81053, and 81130 through 81147.

## Item 6CHAPTER 6, Duct Systems

DSA proposes to adopt Chapter 6 of the 2021 UMC into the 2022 edition of the CMC without amendment.

**Notation:** DSA-SS

Authority: Education Code Sections 17310 and 81142, and Health and Safety Code Section 16022.

Reference(s): Education Code Sections 17280 through 17317, and 81130 through 81147, and Health and Safety Code Sections 16000 through 16023.

**Notation:** DSA-SS/CC

Authority: Education Code Section 81053.

Reference(s): Education Code Sections 81052, 81053, and 81130 through 81147.

## Item 7CHAPTER 7, Combustion Air

DSA proposes to adopt Chapter 7 of the 2021 UMC into the 2022 edition of the CMC without amendment.

**Notation:** DSA-SS

Authority: Education Code Sections 17310 and 81142, and Health and Safety Code Section 16022.

Reference(s): Education Code Sections 17280 through 17317, and 81130 through 81147, and Health and Safety Code Sections 16000 through 16023.

**Notation:** DSA-SS/CC

Authority: Education Code Section 81053.

Reference(s): Education Code Sections 81052, 81053, and 81130 through 81147.

## Item 8CHAPTER 8, Chimneys and Vents

DSA proposes to adopt Chapter 8 of the 2021 UMC into the 2022 edition of the CMC without amendment.

**Notation:** DSA-SS

Authority: Education Code Sections 17310 and 81142, and Health and Safety Code Section 16022.

Reference(s): Education Code Sections 17280 through 17317, and 81130 through 81147, and Health and Safety Code Sections 16000 through 16023.

**Notation:** DSA-SS/CC

Authority: Education Code Section 81053.

Reference(s): Education Code Sections 81052, 81053, and 81130 through 81147.

## Item 9CHAPTER 9, Installation of Specific Appliances

DSA proposes to adopt Chapter 9 of the 2021 UMC into the 2022 edition of the CMC without amendment.

**Notation:** DSA-SS

Authority: Education Code Sections 17310 and 81142, and Health and Safety Code Section 16022.

Reference(s): Education Code Sections 17280 through 17317, and 81130 through 81147, and Health and Safety Code Sections 16000 through 16023.

**Notation:** DSA-SS/CC

Authority: Education Code Section 81053.

Reference(s): Education Code Sections 81052, 81053, and 81130 through 81147.

## Item 10 CHAPTER 10, Boilers and Pressure Vessels

DSA proposes to adopt Chapter 10 of the 2021 UMC into the 2022 edition of the CMC without amendment.

**Notation:** DSA-SS

Authority: Education Code Sections 17310 and 81142, and Health and Safety Code Section 16022.

Reference(s): Education Code Sections 17280 through 17317, and 81130 through 81147, and Health and Safety Code Sections 16000 through 16023.

**Notation: DSA-SS/CC**

Authority: Education Code Section 81053.

Reference(s): Education Code Sections 81052, 81053, and 81130 through 81147.

## Item 11CHAPTER 11, Refrigeration

DSA proposes to adopt Chapter 11 of the 2021 UMC into the 2022 edition of the CMC without amendment.

**Notation:** DSA-SS

Authority: Education Code Sections 17310 and 81142, and Health and Safety Code Section 16022.

Reference(s): Education Code Sections 17280 through 17317, and 81130 through 81147, and Health and Safety Code Sections 16000 through 16023.

**Notation:** DSA-SS/CC

Authority: Education Code Section 81053.

Reference(s): Education Code Sections 81052, 81053, and 81130 through 81147.

## Item 12CHAPTER 12, Hydronics

DSA proposes to adopt Chapter 12 of the 2021 UMC into the 2022 edition of the CMC without amendment.

**Notatio n:** DSA-SS

Authority: Education Code Sections 17310 and 81142, and Health and Safety Code Section 16022.

Reference(s): Education Code Sections 17280 through 17317, and 81130 through 81147, and Health and Safety Code Sections 16000 through 16023.

**Notation:** DSA-SS/CC

Authority: Education Code Section 81053.

Reference(s): Education Code Sections 81052, 81053, and 81130 through 81147.

## Item 13CHAPTER 13, Fuel Gas Piping

DSA proposes to adopt Chapter 13 of the 2021 UMC into the 2022 edition of the CMC without amendment.

**Notation:** DSA-SS

Authority: Education Code Sections 17310 and 81142, and Health and Safety Code Section 16022.

Reference(s): Education Code Sections 17280 through 17317, and 81130 through 81147, and Health and Safety Code Sections 16000 through 16023.

**Notation:** DSA-SS/CC

Authority: Education Code Section 81053.

Reference(s): Education Code Sections 81052, 81053, and 81130 through 81147.

## Item 14CHAPTER 14, Process Piping

DSA proposes to adopt Chapter 14 of the 2021 UMC into the 2022 edition of the CMC without amendment.

**Notation:** DSA-SS

Authority: Education Code Sections 17310 and 81142, and Health and Safety Code Section 16022.

Reference(s): Education Code Sections 17280 through 17317, and 81130 through 81147, and Health and Safety Code Sections 16000 through 16023.

**Notation:** DSA-SS/CC

Authority: Education Code Section 81053.

Reference(s): Education Code Sections 81052, 81053, and 81130 through 81147.

## Item 15CHAPTER 15, Solar Energy Systems

DSA proposes to adopt Chapter 15 of the 2021 UMC into the 2022 edition of the CMC without amendment.

**Notation:** DSA-SS

Authority: Education Code Sections 17310 and 81142, and Health and Safety Code Section 16022.

Reference(s): Education Code Sections 17280 through 17317, and 81130 through 81147, and Health and Safety Code Sections 16000 through 16023.

**Notation:** DSA-SS/CC

Authority: Education Code Section 81053.

Reference(s): Education Code Sections 81052, 81053, and 81130 through 81147.

## Item 16CHAPTER 16, Stationary Power Plants

DSA proposes to adopt Chapter 16 of the 2021 UMC into the 2022 edition of the CMC without amendment.

**Notation:** DSA-SS

Authority: Education Code Sections 17310 and 81142, and Health and Safety Code Section 16022.

Reference(s): Education Code Sections 17280 through 17317, and 81130 through 81147, and Health and Safety Code Sections 16000 through 16023.

**Notation:** DSA-SS/CC

Authority: Education Code Section 81053.

Reference(s): Education Code Sections 81052, 81053, and 81130 through 81147.

## Item 17CHAPTER 17, Referenced Standards.

DSA proposes to adopt Chapter 17 of the 2021 UMC with existing California amendments carried forward into the 2022 edition of the CMC.

**Notation:** DSA-SS

Authority: Education Code Sections 17310 and 81142, and Health and Safety Code Section 16022.

Reference(s): Education Code Sections 17280 through 17317, and 81130 through 81147, and Health and Safety Code Sections 16000 through 16023.

**Notation:** DSA-SS/CC

Authority: Education Code Section 81053.

Reference(s): Education Code Sections 81052, 81053, and 81130 through 81147.

## Item 18APPENDIX A, B, and C

DSA proposes to not adopt appendix A, B, and C of the 2021 UMC into the 2022 edition of the CMC. DSA did not adopt these in the 2019 edition.

**Notation:** DSA-SS

Authority: Education Code Sections 17310 and 81142, and Health and Safety Code Section 16022.

Reference(s): Education Code Sections 17280 through 17317, and 81130 through 81147, and Health and Safety Code Sections 16000 through 16023.

**Notation:** DSA-SS/CC

Authority: Education Code Section 81053.

Reference(s): Education Code Sections 81052, 81053, and 81130 through 81147.

## Item 19APPENDIX D Manufactured Moble/Mobile Home Parks and Recreational Vehicle Parks

DSA proposes to adopt Appendix D of the 2021 UMC into the 2022 edition of the CMC without amendment.

**Notation:** DSA-SS

Authority: Education Code Sections 17310 and 81142, and Health and Safety Code Section 16022.

Reference(s): Education Code Sections 17280 through 17317, and 81130 through 81147, and Health and Safety Code Sections 16000 through 16023.

**Notation:** DSA-SS/CC

Authority: Education Code Section 81053.

Reference(s): Education Code Sections 81052, 81053, and 81130 through 81147.

## Item 20APPENDIX E, F, and G

DSA proposes to not adopt appendix E, F, and G of the 2021 UMC into the 2022 edition of the CMC. DSA did not adopt these in the 2019 edition.

**Notation:** DSA-SS

Authority: Education Code Sections 17310 and 81142, and Health and Safety Code Section 16022.

Reference(s): Education Code Sections 17280 through 17317, and 81130 through 81147, and Health and Safety Code Sections 16000 through 16023.

**Notation:** DSA-SS/CC

Authority: Education Code Section 81053.

Reference(s): Education Code Sections 81052, 81053, and 81130 through 81147.