# APPROVED BY THE CALIFORNIA BUILDING STANDARDS COMMISSION

# December 14, 2021

# FINAL EXPRESS TERMS FOR PROPOSED BUILDING STANDARDS OF THE OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT REGARDING THE 2022 CALIFORNIA MECHANICAL CODE

# CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 4

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* Repealed model code language appears ~~upright and in strikeout~~
* Repealed California amendments appear in *~~italic and strikeout~~*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

# FINAL EXPRESS TERMS

## Item 1 CHAPTER 1 ADMINISTRATION DIVISION I CALIFORNIA ADMINISTRATION DIVISION II ADMINISTRATION

Adopt 2021 Uniform Mechanical Code (UMC). Adopt specific sections of Chapter 1 and carry forward existing amendments of the 2019 California Mechanical Code (CMC) for OSHPD 1, 1R, 2, 3, 4 and 5.

**Notation:**

Authority: Health and Safety Code, Sections 1275, 18928, 129790, and 129850

Reference(s): Health and Safety Code, Section 129850

## Item 2 CHAPTER 2 DEFINITIONS

Adopt 2021 Uniform Mechanical Code (UMC) Chapter 2 and carry forward existing amendments of the 2019 California Mechanical Code (CMC) for OSHPD 1, 1R, 2, 3, 4 and 5 with the following modification:

**228.0 – Z –**

…

***Zone. [OSHPD 1, 2, 3, 4 & 5]*** *A space or group of spaces within a building for which the heating, or cooling requirements are sufficiently similar that desired conditions can be maintained throughout by a single controlling device.*

…

**Notation:**

Authority: Health and Safety Code, Sections 1275, 18928, 129790, and 129850

Reference(s): Health and Safety Code, Section 129850

## Item 3 CHAPTER 3

Adopt 2021 Uniform Mechanical Code (UMC) Chapter 3 and carry forward existing amendments of the 2019 California Mechanical Code (CMC) for OSHPD 1, 1R, 2, 3, 4 and 5.

**Notation:**

Authority: Health and Safety Code, Sections 1275, 18928, 129790, and 129850

Reference(s): Health and Safety Code, Section 129850

## Item 4 CHAPTER 4 VENTILATION AIR

Adopt 2021 Uniform Mechanical Code (UMC). Adopt specific sections of Chapter 4 and carry forward existing amendments of the 2019 California Mechanical Code (CMC) for OSHPD 1, 1R, 2, 3, 4 and 5 with the following modifications:

**Section 407.5 Variable Air Volume.**

…

***407.5.1.3*** *~~Variable air volume for return or exhaust air shall be accomplished by utilizing~~ Spaces with pressure requirements per Table 4-A shall utilize an automatic modulating damper in the return or exhaust air for each ~~zone~~ space. The damper will modulate from full open to minimum position in conjunction with the supply air VAV terminal ~~boxes~~ equipment.*

…

***407.6* *Economizers.*** *Systems with economizers shall include modulating relief and/or return fans to ensure compliance with the pressure requirements of spaces listed in Table 4-A.*

…

***420.0 Air Distribution Devices. [OSHPD 1, 2, 3, 4 & 5]*** *All air distribution devices and supply air outlets shall meet the requirements of ASHRAE 170-2013, Section 6.7.2 and Table 6.7.2.*

…

***TABLE 4-A (continued)  
PRESSURE RELATIONSHIP AND VENTILATION REQUIREMENTS FOR GENERAL ACUTE CARE   
HOSPITALS, SKILLED NURSING FACILITIES, INTERMEDIATE CARE FACILITIES, CORRECTIONAL  
TREATMENT CENTERS, OUTPATIENT FACILITIES, AND LICENSED CLINICS***

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Function or Space** | **Pressure Relationship to Adjacent Areas (f) (n)** | **Minimum Outdoor ach** | **Minimum Total ach** | ***Minimum Total ach if 100% O.A. (z)*** | **All Room Air Exhausted Directly to Outdoors (j)** | **Air Recirculated by Means of Room Units (a)** | **Design Relative Humidity**  **(k), %** | **Design**  **Temperature (l),oF/oC** |
| **…** | … | … | … | *…* | … | … | … | … |
| ***~~Gamma Camera~~*** | *~~NR~~* | *~~2~~* | *~~6~~* | *~~6~~* | *~~NR~~* | *~~No~~* | *~~NR~~* | *~~NR~~* |
| **…** | *…* | *…* | *…* | *…* | *…* | *…* | *…* | *…* |

…

**Notation:**

Authority: Health and Safety Code, Sections 1275, 18928, 129790, and 129850

Reference: Health and Safety Code, Section 129850

## Item 5 CHAPTERS 5 and 6

Adopt 2021 Uniform Mechanical Code (UMC) Chapters 5 and 6 and carry forward existing amendments of the 2019 California Mechanical Code (CMC) for OSHPD 1, 1R, 2, 3, 4 and 5.

**Notation:**

Authority: Health and Safety Code, Sections 1275, 18928, 129790, and 129850

Reference(s): Health and Safety Code, Section 129850

## Item 6 CHAPTERS 7 and 8

Adopt 2021 Uniform Mechanical Code (UMC) Chapters 7 and 8 for OSHPD 1, 1R, 2, 3, 4 and 5.

**Notation:**

Authority: Health and Safety Code, Sections 1275, 18928, 129790, and 129850

Reference(s): Health and Safety Code, Section 129850

## Item 7 CHAPTER 9

Adopt 2021 Uniform Mechanical Code (UMC) Chapter 9 and carry forward existing amendments of the 2019 California Mechanical Code (CMC) for OSHPD 1, 1R, 2, 3, 4 and 5.

**Notation:**

Authority: Health and Safety Code, Sections 1275, 18928, 129790, and 129850

Reference(s): Health and Safety Code, Section 129850

## Item 8 CHAPTER 10

Adopt 2021 Uniform Mechanical Code (UMC) Chapter 10 for OSHPD 1, 1R, 2, 3, 4 and 5.

**Notation:**

Authority: Health and Safety Code, Sections 1275, 18928, 129790, and 129850

Reference(s): Health and Safety Code, Section 129850

## Item 9 CHAPTERS 11 and 12

Adopt 2021 Uniform Mechanical Code (UMC) Chapters 11 and 12 and carry forward existing amendments of the 2019 California Mechanical Code (CMC) for OSHPD 1, 1R, 2, 3, 4 and 5.

**Notation:**

Authority: Health and Safety Code, Sections 1275, 18928, 129790, and 129850

Reference(s): Health and Safety Code, Section 129850

## Item 10 CHAPTERS 13 and 14

Adopt 2021 Uniform Mechanical Code (UMC) Chapters 13 and 14 for OSHPD 1, 1R, 2, 3, 4 and 5.

**Notation:**

Authority: Health and Safety Code, Sections 1275, 18928, 129790, and 129850

Reference(s): Health and Safety Code, Section 129850

## Item 11 CHAPTERS 15 and 16

Entire Chapters 15 and 16 not adopted by OSHPD.

**Notation:**

Authority: Health and Safety Code, Sections 1275, 18928, 129790, and 129850

Reference(s): Health and Safety Code, Section 129850

## Item 12 CHAPTER 17

Adopt 2021 Uniform Mechanical Code (UMC) Chapter 17 and carry forward existing amendments of the 2019 California Mechanical Code (CMC) for OSHPD 1, 1R, 2, 3, 4 and 5.

**Notation:**

Authority: Health and Safety Code, Sections 1275, 18928, 129790, and 129850

Reference(s): Health and Safety Code, Section 129850

## Item 13 APPENDIX A

Entire Appendix A not adopted by OSHPD.

**Notation:**

Authority: Health and Safety Code, Sections 1275, 18928, 129790, and 129850

Reference(s): Health and Safety Code, Section 129850

## Item 14 APPENDICES B and C

Adopt 2021 Uniform Mechanical Code (UMC) Appendices B and C for OSHPD 1, 1R, 2, 3, 4 and 5.

**Notation:**

Authority: Health and Safety Code, Sections 1275, 18928, 129790, and 129850

Reference(s): Health and Safety Code, Section 129850

## Item 15 APPENDICES D, E, F and G

Entire Appendices D, E, F and G not adopted by OSHPD.

**Notation:**

Authority: Health and Safety Code, Sections 1275, 18928, 129790, and 129850

Reference(s): Health and Safety Code, Section 129850