# FINAL EXPRESS TERMS FOR PROPOSED BUILDING STANDARDS OF THE DIVISION OF THE STATE ARCHITECT (DSA-SS AND DSA-SS/CC) REGARDING THE 2022 CALIFORNIA BUILDING CODE, CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 2 (DSA-SS/CC 03/22)

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* Repealed model code language appears ~~upright and in strikeout~~
* Repealed California amendments appear in *~~italic and strikeout~~*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
* Amendments to ACI 318 in Chapter 19A:  Model code contains some amendments to ACI 318 in Section 1905; this model code amendment language appears in *italics* in this section.  Therefore, California amendment language in Sections 1903A through 1905A appears in *italics and underline*.
* Existing amendments in Chapter 19A: In section 1905A only, deletion of existing California amendment language appears in *~~italics, underline and strikeout.~~*  Select existing California amendment language in Sections 1903A through 1905A is shown for clarity only.  This existing California amendment language appears in *italics, underline and highlight*, in order to distinguish **existing** California amendments in these sections from **new** California amendments, which appear *underlined & italic.*
* Instructions:  Text which contains instructions only that are not amendments and will not be printed appears in [upright text with brackets]*.*

## FINAL EXPRESS TERMS

### ITEM 1 CHAPTER 2 DEFINITION SECTION 202 DEFINITIONS

**…**

***EQUIPMENT. …***

***…***

***(6)  MOVABLE EQUIPMENT******[DSA-SS, DSA-SS/CC, OSHPD 1, 2, 4 & 5]*** *means fixed equipment that is directly attached to the building and/or directly connected to a service distribution system/utility, with or without wheels or rollers, that typically remains in one fixed location during its service life or use~~,~~ but is required to be periodically moved to facilitate cleaning or maintenance.*

***…***

**Notation** **for [DSA-SS]:**

Authority: Education Code Section 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 Sections16000 through 16023

**Notation** **for [DSA-SS/CC]:**

Authority: Education Code Section 81053

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

### ITEM 2 CHAPTER 17A SPECIAL INSPECTIONS AND TESTS SECTION 1703A APPROVALS

**1703*A*.1 Approved agency.** An approved agency shall provide all information as necessary for the building official to determine that the agency meets the applicable requirements specified in Sections 1703*A*.1.1 through 1703*A*.1.3.

**1703*A*.1.1 Independence.** An approved agency shall be objective, competent and independent from any other ~~the~~ entity providing inspection services and contractor(s) responsible for the work being inspected. The agency shall disclose to the building official and the registered design professional in responsible charge possible conflicts of interest so that objectivity can be confirmed.

***…***

**Notation** **for [DSA-SS]:**

Authority: Education Code Section 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 Sections16000 through 16023

**Notation** **for [DSA-SS/CC]:**

Authority: Education Code Section 81053

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

### ITEM 3 Chapter 19A CONCRETE

[Formatting of the following section is incorrect as currently printed (underline has been applied to text that is not part of the amendment). In addition to correcting a code reference within the amendment, this item also proposes formatting corrections. The scope of this amendment is to renumber model code Section 1905.1.3 to 1905A.1.9 and modifications to ACI 318 Section 18.5.2.1. Underline should be removed from the other parts of the section as shown below.]

**1905A.1.*9* ACI 318, Section 18.5. *~~[DSA-SS]~~***Modify ACI 318, Section 18.5, by *~~replacing Section 18.5.2.1,~~* adding new Section 18.5.2.2 and renumbering existing Sections 18.5.2.2 and 18.5.2.3 to become 18.5.2.3 and 18.5.2.4, respectively. ***[DSA-SS]*** *Modify ACI 318, Section 18.5.2.1.*

18.5.2.1 – In connections between wall panels, yielding shall be restricted to steel elements or reinforcement. ***[DSA-SS]*** *~~In c~~Connections between wall panels and the foundation~~, they~~ shall be designed per Section 1617A.1.1~~6~~5.*

*18.5.2.2 – Connections that are designed to yield shall be capable of maintaining 80 percent of their design strength at the deformation induced by the design displacement or shall use Type 2 mechanical splices.*

*18.5.2.3* – Elements of the connection that are not designed to yield shall develop at least 1.5 Sy.

*18.5.2.4* – In structures assigned to SDC D, E or F, wall piers shall be designed in accordance with 18.10.8 or 18.14 in ACI 318.

***…***

**Notation** **for [DSA-SS]:**

Authority: Education Code Section 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 Sections16000 through 16023

### ITEM 4 Chapter 21 MASONRY

***…***

***2115.7 Compressive strength, f’m.*** *The minimum specified compressive strength, f'm, in the design shall be 2,000 psi (13.79 MPa) for all structural concrete masonry construction and 1500 psi (10.34* *MPa) for all structural* *clay masonry construction using materials and details of construction required herein. The value of f’m used to determine nominal strength value in this chapter shall not exceed 3,000 psi (20.7 MPa)* *for concrete masonry and shall not exceed 4,500 psi (31.03 MPa) for clay masonry.*

***…***

**Notation** **for [DSA-SS/CC]:**

Authority: Education Code Section 81053

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

### ITEM 5 Chapter 21A MASONRY

***…***

***2104A.1.3.1 TMS 602, Article 3.2 F Cleanouts.*** *Replace TMS 602, Article 3.2 F with the following: Replace TMS 602, Article 3.2 F with the following:*

***3.2 F.*** *Cleanouts - Provide cleanouts in the bottom course of masonry for each grout pour when the grout pour height exceeds* *the height limits given in Section 2104A.1.3.5 item 3.*

1. *Cleanout openings****…***

***…***

***2104A.1.3.11.1 TMS 602, Article 2.3 A & 2.3 B Masonry unit materials.***  *Add the following to TMS 602, Articles 2.3 A and 2.3 B:*

1. *The depth of the bond beam channel below the top of the unit in reinforced hollow-unit masonry shall be 1 ½ inches (38 mm) minimum and the width shall be 3 inches (76 mm) minimum.*

***…***

***2105A.2 Compressive strength, f’m.*** *The minimum specified compressive strength, f’m, in the design shall be 2,000 psi (13.79 MPa) for all structural concrete masonry construction and 1,500psi (10.34MPa) for all structural clay masonry construction using materials and details of construction required herein. Testing of masonry shall be provided in accordance with TMS 602, Article 1.4 B.*

***…***

***2107A.6 Masonry Compressive Strength.*** ~~The~~ *~~specified~~* ~~compressive strength of~~ *~~structural~~* ~~masonry, f’~~~~m~~~~, shall be equal to or exceed 1,500 psi (10.34 MPa).~~ The value of f’m used to determine nominal strength value in this chapter shall not exceed *3,000* psi (20.7 MPa) for concrete masonry and shall not exceed *4,500* psi (31.03 MPa) for clay masonry.

***…***

***2108A.4 TMS 402, Section 9.1.9.1.****1. Modify TMS 402, Section 9.1.9.1.1 as follows:*

***9.1.9.1.1 Masonry compressive strength.*** *~~The specified compressive strength of structural masonry, f’~~~~m~~~~, shall be equal to or exceed 1,500 psi (10.34 MPa).~~ The value of f’m used to determine nominal strength values in this chapter shall not exceed 3,000 psi (20.7 MPa) for concrete masonry and shall not exceed 4,500 psi (31.03 MPa) for clay masonry.*

***…***

**Notation** **for [DSA-SS]:**

Authority: Education Code Section 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 Sections16000 through 16023

### ITEM 6 Chapter 23 WOOD

***2301.1.4 Prohibition. [DSA-SS & DSA-SS/CC & OSHPD 1, 1R, 2, 4 & 5]*** *The following design methods, systems and materials are not permitted by DSA and OSHPD:*

***…***

1. ***[Reserved for OSHPD 1, 1R, 2, 4 & 5]***
2. ***[DSA-SS, DSA-SS/CC]*** *Cross-laminated timber used as part of the vertical seismic force-resisting system, unless approved as an alternative system in accordance with Section 104.11.*

***…***

**Notation** **for [DSA-SS]:**

Authority: Education Code Section 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 Sections16000 through 16023

**Notation** **for [DSA-SS/CC]:**

Authority: Education Code Section 81053

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