FINAL EXPRESS TERMS
FOR PROPOSED BUILDING STANDARDS
OF THE DIVISION OF THE STATE ARCHITECT
REGARDING THE 2025 CALIFORNIA BUILDING CODE,
CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 2
(DSA-SS 02/25)

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, highlight, italic and ellipsis.

LEGEND for EXPRESS TERMS (Based on model code - Part 2)

- Model Code or reference standard language appears upright
- Existing California amendments appear in *italic*
- Amended model code or reference standard language, or new California amendments appear *underlined & italic*
- Reference standard language included in new California amendments appears underlined & upright if unchanged
- Repealed model code or reference standard language appears ~~upright and in strikeout~~
- Repealed California amendments appear in ~~*italic and strikeout*~~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

CHAPTER 1
ADMINISTRATION

DIVISION II
SCOPE AND ADMINISTRATION

…

PART 2 – ADMINISTRATION AND ENFORCEMENT

…

SECTION 106 – FLOOR AND ROOF DESIGN LOADS

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106.1.2 Snow load posting. [DSA-SS, DSA-SS/CC] *When allowable stress design level snow loads at exterior balconies, decks and other elevated walking surfaces exceed 50 psf, the design snow loads shall be posted as for live loads. When allowable stress design level roof (not ground) snow loads exceed 20 psf, the roof design snow loads for each roof level of the building shall similarly be conspicuously posted with signs stating the maximum design roof snow loads.*

…

Notation for [DSA-SS]:

Authority: Education Code sections 17310, 81142, and Health and Safety Code section 16022.

Reference(s): Education Code sections 17280 through 17317, 81130 through 81149, and Health and Safety Code sections 16000 through 16023.

Notation for [DSA-SS/CC]:

Authority: Education Code sections 81053.

Reference(s): Education Code sections 81052, 81053, and 81130 through 81149.

ITEM 2
CHAPTER 16 STRUCTURAL DESIGN

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1617.12.12 ASCE 7, Section 13.1.4. *Replace ASCE 7 Section 13.1.4 with the following:*

13.1.4. Nonstructural Component and Equipment Support and Attachment Requirements: *The following nonstructural components and equipment shall be anchored in accordance with this section. Design and detailing shall be in accordance with Chapter 13 except as modified by this section.*

1. …

…

*8. **Wall-, Roof- or Floor-Hung Equipment:** Seismic design and seismic details shall be provided for wall-, roof- or floor-hung nonstructural components and equipment when the component weighs more than 20 pounds (9 kg) or, in the case of a distribution system, 5 pounds per foot (73 N/m).*

Exemptions: *The following nonstructural components are exempt from the requirements of ASCE 7, Chapter 13:*

1. *Furniture except storage cabinets as noted in Table 13.5-1.*
2. *Nonstructural components and equipment, that are positively attached to the structure, provided that the component weighs 20 pounds (9 kg) or less <u>or, in the case of a distribution system, 5 pounds per foot (73 N/m) or less</u>. <u>The attachment need not be detailed on the construction documents.</u>*
3. *Discrete architectural, mechanical and electrical components and equipment that are positively attached to the structure, provided that the component weighs 400 pounds (18.44 kg) or less, and the center of mass is located 4 feet (1219 mm) or less above the adjacent floor or roof level that directly supports the component, flexible connections are provided between the component and associated ductwork, piping and conduit where required, and the component Importance Factor, I_p, is equal to 1.0. <u>The attachment need not be detailed on the construction documents.</u>*

…

Notation:

Authority: Education Code Section 81053

Reference(s): Education Code Sections 81052, 81053, and 81130 through 81149

ITEM 3
CHAPTER 16A STRUCTURAL DESIGN

…

1603*A*.1.5 Earthquake design data. The following information related to seismic loads shall be shown, regardless of whether seismic loads govern the design of the lateral force-resisting system of the structure:

1. *Project location.*
2. ~~1.~~ Risk category.
3. ~~2.~~ Seismic importance factor, I_e.
4. ~~3.~~ Spectral response acceleration parameters, S_S and S_1.
5. ~~4.~~ Site class.
6. ~~5.~~ Design spectral response acceleration parameters, S_{DS} and S_{D1}, *MPRS spectrum or Site-specific response spectrum.*
7. *Design spectral response acceleration, S_{DS}, for non-structural components.*
8. ~~6.~~ Seismic design category.
9. ~~7.~~ Basic seismic force-resisting system~~(s).~~ *in each direction.*
8. ~~Design base shear(s).~~
9. ~~Seismic response coefficient(s), *CS*.~~
10. ~~Response modification coefficient(s), *R*.~~ *Seismic force-resisting system factors R, C_d, and Ω_0 in each direction.*
11. *Seismic response coefficient, C_s, in each direction.*
12. *Design base shear, V, in each direction.*
13. *Design earthquake displacement, δ_{DE}, in each direction.*
14. *Redundancy factor, ρ, in each direction.*
15. ~~11.~~ Analysis procedure used.
16. *Fundamental period, T, in each direction.*
17. *Approximate fundamental period, T_a, in each direction.*
18. ~~*12.*~~*Applicable horizontal structural irregularities.*
19. ~~*13.*~~*Applicable vertical structural irregularities.*
20. ~~*14.*~~*Location of base as defined in ASCE 7, Section 11.2.*
21. *Grade plane level or level of the seismic base.*

1603A.1.5.1 Connections. *Connections that resist design seismic forces shall be*

designed and detailed on the design drawings.

1603*A*.1.6 Geotechnical information. ~~The design load-bearing values of soils shall be shown on the construction documents.~~ *The construction documents shall provide a description of the foundation system and the design load-bearing values of soils and/or deep foundations elements. In Seismic Design Categories C through F, the capacity of the soil/foundation for seismic load cases shall be included.*

…

1617A.1.18 ASCE 7, Section 13.1.4. *Replace ASCE 7 Section 13.1.4 with the following:*

13.1.4. Nonstructural Component and Equipment Support and Attachment Requirements: *The following nonstructural components and equipment shall be anchored in accordance with this section. Design and detailing shall be in accordance with Chapter 13 except as modified by this section.*

1. …

…

*10. **Wall-, Roof- or Floor-Hung Equipment:** Seismic design and seismic details shall be provided for wall-, roof- or floor-hung nonstructural components and equipment when the component weighs more than 20 pounds (9 kg) or, in the case of a distribution system, 5 pounds per foot (73 N/m).*

[DSA-SS] Exemptions: *The following nonstructural components are exempt from the requirements of ASCE 7, Chapter 13:*

1. *Furniture except storage cabinets as noted in Table 13.5-1.*
2. *Nonstructural components and equipment, that are positively attached to the structure, provided that the component weighs 20 pounds (9 kg) or less or, in the case of a distribution system, 5 pounds per foot (73 N/m) or less. The attachment need not be detailed on the construction documents.*
3. *Discrete architectural, mechanical and electrical components and equipment that are positively attached to the structure, provided that the component weighs 400 pounds (18.44 kg) or less, and the center of mass is located 4 feet (1219 mm) or less above the adjacent floor or roof level that directly supports the component, flexible connections are provided between the component and associated ductwork, piping and conduit where required, and the component Importance Factor, I_p, is equal to 1.0. The attachment need not be detailed on the construction documents.*

…

Notation:

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

Reference: Education Code Sections 17280 through 17317, and 81130 through 81149, and Health and Safety Code Sections 16000 through 16023

ITEM 4
CHAPTER 17A SPECIAL INSPECTIONS AND TESTS

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1705A.5.5 Structural glued laminated and cross-laminated timber. *…*

Exception: *Special Inspection is not required for non-custom prismatic glued laminated members identified on drawings ~~and sourced from stock or general inventory~~ of 5 1/2-inch maximum width and 18-inch maximum depth, and with a maximum clear span of 32 feet, manufactured and marked in accordance with ANSI/APA A190.1 Section 14.1 for noncustom members.*

…

Notation for [DSA-SS]:

Authority: Education Code sections 17310, 81142, and Health and Safety Code section 16022.

Reference(s): Education Code sections 17280 through 17317, 81130 through 81149, and Health and Safety Code sections 16000 through 16023.

Notation for [DSA-SS/CC]:

Authority: Education Code sections 81053.

Reference(s): Education Code sections 81052, 81053, and 81130 through 81149.

ITEM 5
CHAPTER 21 MASONRY

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2115.3.2.2 TMS 602, Article 3.4B Reinforcement. *Modify TMS Article 3.4 B.1 through 3.4B.3 as follows:*

…

3. Maintain clear distance between reinforcing bars and the interior of masonry unit or formed surface of at least ½ inch (12.7 mm) *~~and a minimum of one bar diameter~~,* except where cross webs of hollow units are used as supports for horizontal reinforcement.

…

2115.3.2.5 TMS 602, Article 3.5 F.1 Grout Key. *Replace TMS 602, Article 3.5 F.1 as follows:*

1. *Between grout pours or where grouting has been stopped more than an hour, a horizontal construction joint shall be formed by terminating grout a minimum of 1½ inches (38.1 mm) and a maximum of one-half the masonry unit height below a mortar joint, except at the top of the wall. Where bond beams occur, the grout pour shall be terminated a minimum of 1/2 inch (12.7 mm) below thee mortar joint. ~~Horizontal reinforcement shall be placed in bond beam units with a minimum grout cover of 1 inch (25.4 mm) above reinforcing steel for each grout pour.~~*

…

2115.5.3 TMS 402, Sections 7.4.4.1 and 7.4.5.1. *Replace TMS 402, Section 7.4.4.1 as follows and delete Section 7.4.5.1:*

7.4.4.1 Minimum reinforcement requirements for masonry walls. *The total area of reinforcement in reinforced masonry walls shall not be less than 0.003 times the sectional area of the wall. Neither the horizontal nor the vertical reinforcement shall be less than one third of the total. Horizontal and vertical reinforcement shall be spaced at not more than 24 inches (610 mm) center to center. ~~Where other than running bond is used in reinforced hollow-unit masonry, the open-end type of unit shall be used with vertical reinforcement spaced a maximum of 16 inches (406 mm) on center.~~*

…

Notation:

Authority: Education Code Section 81053

Reference(s): Education Code Sections 81052, 81053, and 81130 through 81149

ITEM 6
CHAPTER 21A MASONRY

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2104A.1.3.5 [DSA-SS] TMS 602, Article 3.5 C Grout pour height. *Replace TMS 602, Article 3.5 C and Table 7 as follows:*

1. Do not exceed the grout pour height given in Table 7*. ~~Grout pours not terminated at the top of constructed masonry shall comply with TMS 602, Articles 3.5 C.3.a through 3.5 C.3.c.~~*
2. *The top of the grout pour shall be in the top course of the constructed masonry. ~~Grout pours not terminated within the top course of the constructed masonry shall comply with TMS 602, Articles 3.5 C.3.a through 3.5 C.3.c.~~*
3. *Grout pours in excess of 4 feet (1219 mm) or 5 feet 4 inches (1651 mm) for 10-inch (254 mm) nominal or wider for hollow unit masonry shall be subject to approval of the enforcement agency and the following:*
    a. *Grouting shall be done in a continuous pour in lifts not exceeding the requirements of TMS 602, Article 3.5 D.*
    b. *The grouting of any section of wall shall be completed in one day with no interruptions greater than one hour.*
    c. *Cleanout openings shall be provided at the bottom of each pour of grout.*

…

Notation:

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

Reference: Education Code Sections 17280 through 17317, and 81130 through 81149, and Health and Safety Code Sections 16000 through 16023

ITEM 7
CHAPTER 22 STEEL

…

~~2215.2.2 Section D2. Modify Section D2.6c(b)(2) as follows:~~

~~(2) The moment calculated using the *load combinations of the applicable building code, including the amplified seismic load, provided the connection or other mechanism within the column base is designed to have the ductility necessary to accommodate the column base rotation resulting from the design story drift.*~~

…

Notation:

Authority: Education Code Section 81053

Reference(s): Education Code Sections 81052, 81053, and 81130 through 81149

ITEM 8
CHAPTER 22A STEEL

…

~~2202A.5.2 Section D2.~~ *~~Modify Section D2.6c(b)(2) as follows:~~*

~~(2) The moment calculated using the *load combinations of the applicable building code, including the amplified seismic load,* provided *the connection or other mechanism within the column base is designed to have the ductility necessary to accommodate the column base rotation resulting from the design story drift.*~~

…

Notation:

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

Reference: Education Code Sections 17280 through 17317, and 81130 through 81149, and Health and Safety Code Sections 16000 through 16023

ITEM 9
CHAPTER 35 – REFERENCED STANDARDS

…

ACI American Concrete Institute, 38800 Country Club Drive, Farmington Hills, MI 48331-3439

…

318—19 (22): [DSA-SS, DSA-SS/CC] Building Code Requirements for Structural Concrete …

…

ASCE/SEI American Society of Civil Engineers Structural Engineering Institute, 1801

Alexander Bell Drive, Reston, VA 20191

…

~~***41—17: [DSA-SS, DSA-SS/CC] Seismic Evaluation and Retrofit of Existing Buildings***~~

~~1603A.2~~

…

Notation for [DSA-SS]:

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

Reference: Education Code Sections 17280 through 17317, and 81130 through 81149, and Health and Safety Code Sections 16000 through 16023

Notation for [DSA-SS/CC]:

Authority: Education Code Section 81053

Reference: Education Code Sections 81052, 81053, and 81130 through 81149