



California Existing Building Code, Part 10

CHAPTER 3A PROVISION FOR ALL COMPLIANCE METHODS

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SECTION 304A—STRUCTURAL DESIGN LOADS AND EVALUATION AND DESIGN PROCEDURES

304A.3.5 Modifications to ASCE 41-13 for SPC-2 and SPC-4D. The text of ASCE 41-13 shall be modified as indicated in Sections 304A.3.5.1 through 304A.3.5.17¹⁸.

304A.3.5.13 ASCE 41-13 Section 10.7.1.1. Modify ASCE 41-13 Section 10.7.1.1 with the following:

Monolithic Reinforced Concrete Shear Walls and Wall Segments. For nonlinear procedures, shear walls or wall segments with axial loads greater than $0.35 P_o$ shall be included in the model as primary elements with appropriate strength and stiffness degrading properties assigned to those components subject to the approval of the enforcement agent. For linear procedures, the effects of deformation compatibility shall be investigated using moment-curvature section analyses and cyclic testing results of similar components to determine whether strengthening is necessary to maintain the gravity load-carrying capacity of that component.

~~Horizontal wall segments or spandrels reinforced similar to vertical wall segments or piers shall be classified as wall segments, not shear wall coupling beams, in Tables 10-19 through 10-22.~~ Horizontal wall segments or spandrels controlled by shear action and reinforced similar to vertical wall segments or piers shall be classified as wall segments, not shear wall coupling beams, in ASCE 41-13 Table 10-20 and Table 10-22.

Exception: Shear-controlled horizontal wall segments or spandrels with either closed hoops or stirrups anchored to the longitudinal reinforcing at the top and bottom with a standard hook may be classified as a shear wall coupling beam.

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304A.3.5.15 ASCE 41-13 Section 11.1. Modify ASCE 41-13 Section 11.1 by the following:

Scope: ...