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STRUCTURAL DESIGN CRITERIA

INFORMATION TO BE INCLUDED IN PLANS

The following structural design information shall be indicated on the construction documents as required by section 1603 of the 2019 California Building Code.

	Structural Design Criteria		Code References
LOADING	Floor live load(s) used in design including any live load reductions applied (itemize by area).		CBC Table 1607.1, CBC sec. 1607.10
	Roof live loads		CBC sec. 1607.12
	Snow Load: 0-5 psf.		CBC fig. 1608.2
	Special loads		if applicable, see CBC sec. 1603.1.8
WIND	Ultimate design wind speeds: 100 mph - Risk Cat. I bldgs & other structures. 100 mph - Risk Cat II bldgs & other structures. 115 mph - Risk Cat III & IV bldgs & other structures.		CBC Figs. 1609.3(1), 1609.3(2), & 1609.3(3)
	Wind exposure category		CBC sec 1609.4.3
	Applicable internal pressure coefficient		ASCE 7 Sec 26.11
	Components and cladding wind pressure (psf)		ASCE 7 Sec. 26.1.2.2
SEISMIC	Seismic importance factor		ASCE 7 Table 1.5-2
	Mapped spectral response accelerations, Ss & S_1		CBC sec. 1613
	Site class		CBC sec. 1613.3.2
	Spectral response coefficients, S_{DS} & S_{D1}		CBC sec. 1613.3.4
	Seismic design category		CBC sec. 1613.3.5
	Basic seismic force resisting system(s)		ASCE 7 12.14.4
	Design base shear (kips)		ASCE 7 sec. 12.8.1
	Seismic response coefficient(s), Cs		ASCE 7 sec. 12.8.1.1
	Response modification factor(s), R		ASCE 7 Table 12.2-1 Table 12.14-1 (simplified method) Table 15.4-1,2 (non-building
	Seismic analysis procedure used		

Note: Wind and seismic design criteria shall both be shown on the plans, regardless of which type of loading governs the design.
Construction documents for buildings of conventional light-frame construction (CBC §2308) need only indicate the structural design information included in CBC §1603.1 (exception).