

Table 15.4-2 (Continued)

Nonbuilding Structure Type	Detailing Requirements ^c	R	Ω_0	C_d	Structural Height, h_n , Limits (ft) ^{ad}				
					B	C	D	E	F
All steel and reinforced concrete distributed mass cantilever structures not otherwise covered herein including stacks, chimneys, silos, skirt-supported vertical vessels and single pedestal or skirt supported	15.6.2								
Welded steel	15.7.10	2	2 ^b	2	NL	NL	NL	NL	NL
Welded steel with special detailing ^e	15.7.10 & 15.7.10.5 a and b	3	2 ^b	2	NL	NL	NL	NL	NL
Prestressed or reinforced concrete	15.7.10	2	2 ^b	2	NL	NL	NL	NL	NL
Prestressed or reinforced concrete with special detailing	15.7.10 and ACI 318 Chapter 21, Sections 21.2 and 21.7	3	2 ^b	2	NL	NL	NL	NL	NL
Trussed towers (freestanding or guyed), guyed stacks, and chimneys	15.6.2	3	2	2.5	NL	NL	NL	NL	NL
Cooling towers									
Concrete or steel		3.5	1.75	3	NL	NL	NL	NL	NL
Wood frames		3.5	3	3	NL	NL	NL	50	50
Telecommunication towers	15.6.6								
Truss: Steel		3	1.5	3	NL	NL	NL	NL	NL
Pole: Steel		1.5	1.5	1.5	NL	NL	NL	NL	NL
Wood		1.5	1.5	1.5	NL	NL	NL	NL	NL
Concrete		1.5	1.5	1.5	NL	NL	NL	NL	NL
Frame: Steel		3	1.5	1.5	NL	NL	NL	NL	NL
Wood		1.5	1.5	1.5	NL	NL	NL	NL	NL
Concrete		2	1.5	1.5	NL	NL	NL	NL	NL
Amusement structures and monuments	15.6.3	2	2	2	NL	NL	NL	NL	NL
Inverted pendulum type structures (except elevated tanks, vessels, bins, and hoppers)	12.2.5.3	2	2	2	NL	NL	NL	NL	NL
Signs and billboards		3.0	1.75	3	NL	NL	NL	NL	NL
All other self-supporting structures, tanks, or vessels not covered above or by reference standards that are similar to buildings		1.25	2	2.5	NL	NL	50	50	50

^aNL = no limit and NP = not permitted.^bSee Section 15.7.3a for the application of the overstrength factors, Ω_0 , for tanks and vessels.^cIf a section is not indicated in the Detailing Requirements column, no specific detailing requirements apply.^dFor the purpose of height limit determination, the height of the structure shall be taken as the height to the top of the structural frame making up the primary seismic force-resisting system.^eSections 15.7.10.5a and 15.7.10.5b shall be applied for any Risk Category.^fDetailed with an essentially complete vertical load carrying frame.