

Site Factor (F_v) Based on Site Class and Mapped Spectral Response for Long Periods (S_1) ^a						
Site Class	Soil Type	Mapped Spectral Response Accel at Short Periods				
		$S_s \leq 0.1$	$S_s = 0.2$	$S_s = 0.3$	$S_s = 0.4$	$S_s \geq 0.5$
A	Hard Rock	0.8	0.8	0.8	0.8	0.8
B	Moderate Rock	1.0	1.0	1.0	1.0	1.0
C	Dense Soil, Soft Rock	1.7	1.6	1.5	1.4	1.3
D^c	Stiff Soil	2.4	2.0	1.8	1.6	1.5
E	Soft Soil, Clay	3.5	3.2	2.8	2.4	Note b
F	Fill and Other	Note b	Note b	Note b	Note b	Note b

^a Use straight line interpolation for intermediate values of mapped spectral acceleration.

^b Site specific geotechnical investigation and dynamic site response analyses shall be performed to determine values.

^c In lieu of geotechnical data and in cases where Site Class E or F are not expected, Site Class D shall be assumed.