D_{1M} = fundamental mode maximum displacement at the center of rigidity of the roof level of the structure in the direction under consideration, Section 18.5.3.5

D_{mD} = design displacement at the center of rigidity of the roof level of the structure due to the m^{th} mode of vibration in the direction under consideration, Section 18.4.3.2

D_{mM} = maximum displacement at the center of rigidity of the roof level of the structure due to the m^{th} mode of vibration in the direction under consideration, Section 18.4.3.5

D_{RD} = residual mode design displacement at the center of rigidity of the roof level of the structure in the direction under consideration, Section 18.5.3.2

D_{RM} = residual mode maximum displacement at the center of rigidity of the roof level of the structure in the direction under consideration, Section 18.5.3.5

D_Y = displacement at the center of rigidity of the roof level of the structure at the effective yield point of the seismic force-resisting system, Section 18.6.3

f_i = lateral force at Level i of the structure distributed approximately in accordance with Section 12.8.3, Section 18.5.2.3

F_{i1} = inertial force at Level i (or mass point i) in the fundamental mode of vibration of the structure in the direction of interest, Section 18.5.2.9

F_{im} = inertial force at Level i (or mass point i) in the m^{th} mode of vibration of the structure in the direction of interest, Section 18.4.2.7

F_{iR} = inertial force at Level i (or mass point i) in the residual mode of vibration of the structure in the direction of interest, Section 18.5.2.9

h_r = height of the structure above the base to the roof level, Section 18.5.2.3

q_H = hysteresis loop adjustment factor as determined in Section 18.6.2.2.1

Q_{DSD} = force in an element of the damping system required to resist design seismic forces of displacement-dependent damping devices, Section 18.7.2.5

Q_{mDSV} = forces in an element of the damping system required to resist design seismic forces of velocity-dependent damping devices due to the m^{th} mode of vibration of the structure in the direction of interest, Section 18.7.2.5

Q_{mSFRS} = force in an element of the damping system equal to the design seismic force of the m^{th} mode of vibration of the structure in the direction of interest, Section 18.7.2.5

T_1 = the fundamental period of the structure in the direction under consideration

T_{1D} = effective period, in seconds, of the fundamental mode of vibration of the structure at the design displacement in the direction under consideration, as prescribed by Section 18.4.2.5 or 18.5.2.5

T_{1M} = effective period, in seconds, of the fundamental mode of vibration of the structure at the maximum displacement in the direction under consideration, as prescribed by Section 18.4.2.5 or 18.5.2.5

T_R = period, in seconds, of the residual mode of vibration of the structure in the direction under consideration, Section 18.5.2.7

V_m = design value of the seismic base shear of the m^{th} mode of vibration of the structure in the direction of interest, Section 18.4.2.2

V_{min} = minimum allowable value of base shear permitted for design of the seismic force-resisting system of the structure in the direction of interest, Section 18.2.2.1

V_R = design value of the seismic base shear of the residual mode of vibration of the structure in a given direction, as determined in Section 18.5.2.6

$\bar{W}_1$ = effective fundamental mode seismic weight determined in accordance with Eq. 18.4-2b for $m = 1$

$\bar{W}_R$ = effective residual mode seismic weight determined in accordance with Eq. 18.5-13

α = velocity exponent relating damping device force to damping device velocity

β_{mD} = total effective damping of the m^{th} mode of vibration of the structure in the direction of interest at the design displacement, Section 18.6.2

β_{mM} = total effective damping of the m^{th} mode of vibration of the structure in the direction of interest at the maximum displacement, Section 18.6.2

β_{HD} = component of effective damping of the structure in the direction of interest due to post-yield hysteretic behavior of the seismic force-resisting system and elements of the damping system at effective ductility demand μ_D, Section 18.6.2.2

β_{HM} = component of effective damping of the structure in the direction of interest due to post-yield hysteretic behavior of the seismic