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LIST OF SYMBOLS AND ABBREVIATIONS

A	=	Acceleration coefficient
A_{sh}	=	Cross section area of confinement reinforcement
h_c	=	Cross-sectional dimension of column core measured out-to-out of transverse reinforcement
A_g	=	Gross area of section
A_{ch}	=	Core section area of a structural member measured out-to-out of transverse reinforcement
A_{sh}	=	Cross section area of confinement reinforcement
d_b	=	Longitudinal bar diameter
E_c	=	Initial stiffness of concrete
E_{des}	=	Deterioration rate of concrete stiffness
f'_c	=	Specified concrete strength
$f'_{c o}$	=	Unconfined compressive strength
f_{cc}	=	Peak stress of confined concrete
f_c	=	Concrete stress corresponding strain
f_{yh}	=	Yield strength of tie reinforcement
f'_{ce}	=	Expected concrete strength
f_{ye}	=	Expected yield stress of transverse reinforcement
$f_{c,n}$	=	Concrete compressive strength
$f_{s,n}$	=	Steel yield strength
f_f	=	Yield stress of longitudinal bars
h_c	=	Cross-sectional dimension of column core measured out-to-out of transverse reinforcement
l_p	=	Equivalent plastic hinge length
L	=	Effective height
P	=	Axial load
R_y	=	Lateral force at first yield of vertical reinforcement
R_{max}	=	Maximum lateral force

s	=	Spacing of transverse reinforcement along the axis of the member
V_c	=	Shear force carried by concrete
V_s	=	Shear force carried by truss action (lateral reinforcement)
V_p	=	Lateral component of compression strut in the column due to the applied compressive axial load
\mathcal{E}_c	=	Concrete strain
\mathcal{E}_{ec}	=	Strain at peak stress of concrete
\mathcal{E}_{cu}	=	Ultimate strain of concrete
ρ_v	=	Volumetric tie bar ratio
ρ_s	=	Area ratio of tie bar
ρ_l	=	Vertical reinforcement ratio
μ_Δ	=	Displacement ductility ratio
μ_ϕ	=	Curvature ductility ratio