Notation

BS 5628

A	cross-sectional area of masonry (mm^2)
A_{ps}	cross-sectional area of prestressing steel (mm^2)
A_s	cross-sectional area of primary reinforcing steel (mm^2)
A_{sv}	cross-sectional area of reinforcing steel resisting shear forces (mm^2)
A_{s1}	area of compression reinforcement in the most compressed face (mm^2)
A_{s2}	area of reinforcement in the least compressed face (mm^2)
a	shear span (mm^2)
a_v	distance from face of support to the nearest edge of a principal load (mm)
b	width of section (mm)
b_c	width of compression face midway between restraints (mm)
b_1	width of section at level of the tension reinforcement (mm)
c	lever arm factor
d	effective depth (mm)
d_c	depth of masonry in compression (mm)
d_1	depth from the surface to the reinforcement in the more highly compressed face (mm)
d_2	depth of the centroid of the reinforcement from the least comp ressed face (mm)
E_c	modulus of elasticity of concrete (kN/mm^2)
E_m	modulus of elasticity of masonry (kN/mm^2)
E_m, E_b	modulus of elasticity of mortar and brick (kN/mm^2)
E_s	modulus of elasticity of steel (kN/mm^2)
E_x, E_y	modulus of elasticity in x and y direction (kN/mm^2)
e	eccentricity
e_a	additional eccentricity due to deflection in walls
e_m	the larger of e_x or e_t
e_t	total design eccentricity in the mid-height region of a wall
e_x	eccentricity at top of a wall

F_k	characteristic load
F_t	tie force
f_b	characteristic anchorage bond strength between mortar or concrete infill and steel (N/mm^2)
f_{ci}	strength of concrete at transfer (N/mm^2)
f_k	characteristic compressive strength of masonry (N/mm^2)
f_{kx}	characteristic flexural strength (tension) of masonry (N/mm^2)
f_m	masonry strength
f_{pb}	stress in tendon at the design moment of resistance of the section (N/mm^2)
f_{pe}	effective prestress in tendon after all losses have occurred (N/mm^2)
f_{pu}	characteristic tensile strength of prestressing tendons (N/mm^2)
f_s	stress in the reinforcement (N/mm^2)
f_{su}	stress in steel at failure
f_{s1}	stress in the reinforcement in the most compressed face (N/mm^2)
f_{s2}	stress in the reinforcement in the least compressed face (N/mm^2)
f_v	characteristic shear strength of masonry (N/mm^2)
f_y	characteristic tensile strength of reinforcing steel (N/mm^2)
G_k	characteristic dead load
g_A	design vertical load per unit area
g_d	design vertical dead load per unit area
h	clear height of wall or column between lateral supports
h_a	clear height of wall between concrete surfaces or other construction capable of providing adequate resistance to rotation across the full thickness of a wall
h_{ef}	effective height or length of wall or column
h_L	clear height of wall to point of application of a lateral load
K	stiffness coefficient
k	multiplication factor for lateral strength of axially loaded walls
L	length
L_a	span in accidental damage calculation
M	bending moment due to design load (N mm)
M_a	increase in moment due to slenderness (N mm)
M_d	design moment of resistance (N mm)
M_x	design moment about the x axis (N mm)
M_x	effective uniaxial design moment about the x axis (N mm)
M_y	design moment about the y axis (N mm)
M_y	effective uniaxial design moment about the y axis (N mm)
N	design axial load (N)