

BACK TO MAIN TOC

List of Symbols

The following symbols are used in this thesis:

aArea of the affected concrete in fabric formed concrete specimens
 ATotal area of the concrete in fabric formed concrete specimens
 A_gGross cross-sectional area of concrete
 A_{st}Total area of longitudinal column reinforcement
 FACFlyash concrete
 f'_cSpecified compressive strength of concrete
 f_ySpecified yield strength of steel reinforcement
 kEffective length factor for compression members
 l_uUnsupported column length
 MMoment at the end of the column (chapter 3)
 NCNormal concrete
 P_fFactored axial load
 P_{ro}Factored axial load resistance of a reinforced concrete column
 rRadius of gyration for the column cross-section
 RRebound Value
 sCenter-to-centre spacing of ties
 VVolume of the concrete (chapter 3)
 xLength of the mechanical press lever's handle (chapter 3)
 a_1Ratio of average stress in rectangular compression block to specified strength (CSA A23.3 Cl.10.1.7)
 β_1Ratio of depth of compression block to depth of neutral axis (CSA A23.3 Cl.10.1.7)
 ρ_cDensity of concrete
 ρ_tLongitudinal steel reinforcement ratio (column)
 ϕ_cResistance factor for concrete (CSA A23.3 Cl.8.4.2)
 ϕ_sResistance factor for steel reinforcement



Additional References

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