

## BACK TO MAIN TOC

# List of Symbols

The following symbols are used in this thesis:

$a$ .....Area of the affected concrete in fabric formed concrete specimens  
 $A$ .....Total area of the concrete in fabric formed concrete specimens  
 $A_g$ .....Gross cross-sectional area of concrete  
 $A_{st}$ .....Total area of longitudinal column reinforcement  
 $FAC$ ....Flyash concrete  
 $f'_c$ .....Specified compressive strength of concrete  
 $f_y$ .....Specified yield strength of steel reinforcement  
 $k$ .....Effective length factor for compression members  
 $l_u$ .....Unsupported column length  
 $M$ .....Moment at the end of the column (chapter 3)  
 $NC$ ....Normal concrete  
 $P_f$ .....Factored axial load  
 $P_{ro}$ .....Factored axial load resistance of a reinforced concrete column  
 $r$ .....Radius of gyration for the column cross-section  
 $R$ .....Rebound Value  
 $s$ .....Center-to-centre spacing of ties  
 $V$ .....Volume of the concrete (chapter 3)  
 $x$ .....Length of the mechanical press lever's handle (chapter 3)  
 $a_1$ .....Ratio of average stress in rectangular compression block to specified strength (CSA A23.3 Cl.10.1.7)  
 $\beta_1$ .....Ratio of depth of compression block to depth of neutral axis (CSA A23.3 Cl.10.1.7)  
 $\rho_c$ .....Density of concrete  
 $\rho_t$ .....Longitudinal steel reinforcement ratio (column)  
 $\phi_c$ .....Resistance factor for concrete (CSA A23.3 Cl.8.4.2)  
 $\phi_s$ .....Resistance factor for steel reinforcement



## Additional References

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