**Calculation Formulas with ECP 203 2007 code provisions**

* + 1. Calculate moment capacity single Reinforcement (ECP 203-200 - 4-1) [page no 5-4]

* + 1. Calculate max moment capacity single Reinforcement (ECP 203-200 - 4-4) [page no 5-4]

* + 1. Calculate max moment capacity Double Reinforcement (ECP 203-200 - 4-6) [page no 8-4]

* + 1. Calculate Moment Capacity T Beam (ECP 203-200 - 4-8) [page no 8-9 a,b]

* + 1. Area of steel from equilibrium equation Double Reinforcement (ECP 203-200 - 4-7) [page no 8 – 4]

* + 1. Area of steel from equilibrium equation single Reinforcement (ECP 203-200 - 4-2) [page no 5 – 4]

* + 1. Calculate shear strength by concrete (ECP 203-200 - 4-7) [page no 8 – 4]