

REPUBLIC OF ALBANIA

TECHNICAL SPECIFICATIONS

" RECONSTRUCTION OF 2 STOREY BUILDING FOR ADISA, KOMBINAT, TIRANE "

Technical specification

This report will present about characteristic and specification of structural building material used on site for the reconstruction of 2 storey building .Structural material specification should be according to local rule and euro codes.

Buliding materials for this reconstruction.

Concrete C25/30

Rebar steel S500s

Characteristic of building material:

CONCRETE C25/30

Concrete strength $f_{ck} = 25 \text{ N/mm}^2$

Weight /unit 2450 kg/m^3

Modulus of elasticity $E = 31000 \text{ N/mm}^2$

Puasson ratio 0.2

Coefficient for thermal expansion $\alpha_T = 12 \cdot 10^{-6} \text{ per } ^\circ\text{C}$.

REBAR REINFORCEMENT S500s

Rebar strength $f_{yk} = 500 \text{ N/mm}^2$

Weight /unit 7850 kg/m^3

Modulus of elasticity $E = 200000 \text{ N/mm}^2$

Puasson ratio 0.3

Coefficient for thermal expansion $\alpha_T = 12 \cdot 10^{-6} \text{ per } ^\circ\text{C}$.