

HIGHER TECHNICAL INSTITUTE

CIVIL ENGINEERING DEPARTMENT

DIPLOMA PROJECT

DESIGN OF EN1992 TO BS8110

C/980

STELLA M. AGATHOCLEOUS

JUNE 2004

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BY: AGATHOCLEOUS M. STELLA

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SUMMARY

OBJECT:

The objective of this project is the design of EN1992 to BS8110

The following chapters includes comments about the:

1. Philosophy of Reinforced Concrete
2. Properties of Reinforced Concrete
3. Limit State Design
4. Analysis of the Structure
5. Analysis of the Section
6. Shear and Bond
7. Serviceability, Durability and Stability Requirements
8. Design of Reinforced Beams
9. Design of Reinforced Concrete Slabs
10. Column Design