CIVIL ENGINEERING DEPARTMENT

DIPLOMA PROJECT

DESIGN OF HIGH STRENGTH CONCRETE WITH fcu- 40N/mm^2

C/778

By

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JUNE 1996

HIGHER TECHNICAL INSTITUTE

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Design of high strength concrete with fcu=40N/mm^2

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To our Families
Yiannos Papadopoulos
Despo Christodoulou

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Their help was really valuable.

SUMMARY

DESIGN OF HIGH STRENGTH CONCRETE WITH fcu = 40N/mm^2

The objective of this project was to create cubes with fcu 40 N/mm^2.

To be able to accomplish this strength we had to determine the characteristics of each and every element that consist the concrete.

To achieve that we separated the project into two parts :

a. The theoretical
b. The experimental