

HIGHER TECHNICAL INSTITUTE

Civil Engineering Course

DIPLOMA PROJECT

**DESIGN OF A TWO-STOREY
HOUSE TO BS8110**

C/881

MARIOS HALLOUMAS
JUNE 1999

HIGHER TECHNICAL INSTITUTE	PROJECT NO. 2946
----------------------------------	---------------------

Summary

Structural Design of a two-storey House.

by
Marios Halloumas

The purpose of this project was to analyse and design a two-storey house in reinforced concrete from preliminary architectural drawings. Analysis and design were carried out manually by using charts, tables and clauses of BS8110:1985.

Contents

	Page
Contents	3
Acknowledgements	4
Summary	5
Introduction	6
Notation	7
Design Informations	8
Slabs	10-7
Beams	77-148
Columns	149-187
Foundations	188-197
References	198