By

CONSTANTINA MICHAELIDOU

Project Report

Submitted to

the Department of Civil Engineering

of the Higher Technical Institute

Nicosia Cyprus

in partial fulfillement of the requirements

for the diploma of

TECHNICIAN ENGINEER

in

CIVIL ENGINEERING

June 1991



ACKNOWLEDGEMENT

I would like to express my sincere appreciation and thanks to my supervisor, Mr. H. Stavrides, for his valuable help and guidance during the preparation of this project.

PROJECT SUPERVISOR: Mr. H. Stavrides

KIND OF PROJECT: Individual

SUMMARY

A full structural analysis and design of a two-storey house was carried out in accordance with
BS 8110 and other relevant informations obtained in
Cyprus

The design is also based on architectural drawings

CONTENTS

1.	ACKNOWLEDGEMENT	PAGE
2.	SUMMARY	
3.	NOTATION	
4.	SLABS	
/ *	4.1 Analysis and design of floor slab - Level 2	1_15
	4.2 Analysis and design of roof slab - Level 1	16-26
	4.3 Analysis and design of roof slab - Level 3	27-41
5.	BEAMS	
	5.1 Analysis ound design of beams of Level 2	42-90
	5.2 Analysis and design of beams of Level I	91-120
	5.3 Analysis and design of beams of Level 3	121 - 176
6.	COLUMNS	
	6.1 Analysis and design of columns of Levels 1 and 2	177-199
	6.2 Analysis and design of columns of Level 3	200-225
7.	FOOTINGS	
	7.1 Foundations to columns of Levels 1 and 2 Analysis and design	226-231
	7.2 Foundations to columns of Level 3 Analysis and design	232 - 235
8.	STAIRCASE	236 - 237