HIGHER TECHNICAL INSTITUTE CIVIL ENGINEERING DEPARTMENT

DIPLOMA PROJECT

DEVELOPMENT OF AN AREA DESIGN OF A TYPICAL TWO-STOREY 3 BEDROOM HOUSE

AND
DESIGN OF A SWIMMING POOL

BY
ANASTASIOU STEPHANOS
NICOLAOU YIANNAKIS

(C = 760)

TITNE 1006

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CONTENTS

1	NC	TAT/	TITE	ED	CEN	ENT
1.	AC	VIA	ノWエ	יעם	GEL	TULIAT

- 2. SUMMARY
- 3. NOTATION
- 4. DESIGN INFORMATION
- 5. REFERENCES
- 6. INTRODUCTION
- 7. CHAPTER I : SLABS
 - Analysis and design of roof slabs
 - Analysis and design of floor slabs
- 8. CHAPTER II: BEAMS
 - Analysis and desgin of roof beams
 - Analysis and design of floor beams
- 9. CHAPTER III : COLUMNS
 Analysis and design of columns
- 10. CHAPTER IV: FOOTINGS

 Analysis and design of footings
- 11. CHATPER V: SWIMMING POOL

 Analysis and design of swimming pool
- 12. DRAWINGS

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SUMMARY

The objective of this project was the development of an Area and Design of a two-storey 3-bedroom house as well the design of a swimming pool.

An area of one hectare of land (10000m²) was developed into building plots and the roads, green areas required by the regulations were drawn. Architectural drawings of the 3-bedroom house and the swimming pool were drawn in accordance with the local building regulations.

Finally the design and the detailing of the slabs, beams, columns, foundations and swimming pool were made.

The design of the house was according to BS8110 and the design of the swimming pool to BS8007.