



**HIGHER TECHNICAL INSTITUTE**

**ELECTRICAL ENGINEERING COURSE**

**DIPLOMA PROJECT**

**DESIGN OF THE ELECTRICAL SERVICES  
OF A BLOCK OF FLATS**

**PAPATHEOCHAROUS ATHOS**

**E.1029**

**JUNE 1996**

HIGHER TECHNICAL INSTITUTE	PROJECT NO. 2549
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# **ELECTRICAL SERVICES OF A BLOCK OF FLATS**

**Project report by**

**PAPATHEOCHAROUS ATHOS**

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**TECHNICIAN ENGINEER**

**in**

**ELECTRICAL ENGINEERING**

**of the**

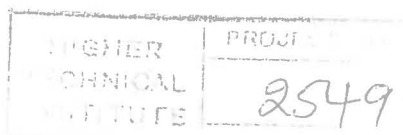
**HIGHER TECHNICAL INSTITUTE**

**Cyprus**

**Project Supervisor: Mr Georgios Kourtellis**

**Type of Project : Individual**

**JUNE 1996**



To my parents

## ACKNOWLEDGEMENTS

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A. Papatheocharous

## GENERAL INTRODUCTION

The design of the electrical services of a building are represented in this project. The block of flats consists of 5 floors and a parking area on the ground floor. Each floor consists of 5 flats. The flats on each floor are the same.

### The Main Objectives of this Project were:

- 1) To design the complete electrical services for a specified block of flats which includes the following:
  - a) Power and lighting
  - b) Central antenna T.V. system
  - c) Telephone installation
- 2) To study the illumination engineering involved.
- 3) To provide all necessary diagrams schedule of materials and costing including labour.

### TERMS AND CONDITIONS

1. Voltage supply 415/240V, 50Hz, T.T. Earthing system.
2. The work must be carried out with reference to the plans provided (shown at the back of the project).
3. Supply for lift room and machinery.
4. Three suitable water pumps should be considered.
5. IEE 16th Edition and EAC regulations must be complied with.
6. In designining the lighting load the CIBS code must be considered.

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