

Higher Technical Institute
ELECTRICAL ENGINEERING DEPARTMENT

DIPLOMA PROJECT

**DESIGN OF THE ELECTRICAL SERVICES
OF A BUILDING**

BY
DEMETRIOU MICHALIS

E/1167

JUNE 1999

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Project Report

**HIGHER TECHNICAL INSTITUTE
ELECTRICAL ENGINEERING DEPARTMENT**

Project Number , E1167

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HIGHER TECHNICAL INSTITUTE	PROJECT NO. 2964
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**ELECTRICAL SERVICES OF A
BUILDING**

**BY DEMETRIOU MICHALIS
Of
HIGHER TECHNICAL INSTITUTE**

Project Supervisor : Mr Georghios Kourtellis

**DEDICATED TO MY
FAMILY FOR HAVING
ME OFFERED SO MUCH**

ACKNOWLEDGMENTS

I would like to express my sincere thanks to my project supervisor Mr. Georghios Kourtellis for his guidance and valuable advice during the whole process of this project, and the useful informations about electrical installations learned to us through out our 3 years in H.T.I.

GENERAL INTRODUCTION

The building is consists of 4 shops in the ground floor with their mezzanines.

The first floor is consists of 2 companies and the second floor it consists of 2 other companies. There is also the basement.

Objectives of the project

1. To design the complete electrical installation of a building which includes the following
 - a) power
 - b) lighting
 - c) telephone distribution
 - d) Data Distribution and electronic barrier
2. To provide all necessary diagrams schedule of materials and costing including labour.

Terms and conditions

1. Three-phase 415V rms. 50Hz, T.T earthing system.
2. Architectural drawing will be provided.
3. The IEE wiring Regulation 16th Edition as currently amended and the local EAC conditions of supply must be complied with.
4. The illumination design must be in accordance with CIBS code.
5. CYTA requirements to be taken into consideration.