

Higher Technical Institute
ELECTRICAL ENGINEERING DEPARTMENT
DIPLOMA PROJECT
DESIGN OF THE ELECTRICAL SERVICES
OF A LIBRARY

By
PILIAS KYRIACOS
E/1135

JUNE 1998

HIGHER TECHNICAL INSTITUTE

**ELECTRICAL ENGINEERING
DEPARTMENT**

DIPLOMA PROJECT

**DESIGN OF THE ELECTRICAL
SERVICES OF A LIBRARY**

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HIGHER TECHNICAL INSTITUTE	PROJECT NO.
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DESIGN OF THE ELECTRICAL SERVICES OF A LIBRARY

Project submitted by :

PILIAS KYRIACOS

In part satisfaction of award of DIPLOMA OF TECHNICAL ENGINEER in
Electrical Engineering of the HIGHER TECHNICAL INSTITUTE
NICOSIA, CYPRUS

Project supervisor :

Mr G. Kourtellis

Lecturer at the H.T.I.



ACKNOWLEDGEMENTS

I would like to express my thanks to my project Supervisor Mr G. Kourtellis, for his valuable guidance in carrying out this design.

Also I would like to thank everyone who helped me in any way, such as providing necessary information, specifications and technical data or suggesting methods for the better presentation of this project.

**DEDICATED
TO MY FAMILY**

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HIGHER TECHNICAL INSTITUTE
NICOSIA - CYPRUS

ELECTRICAL ENGINEERING DEPARTMENT

DIPLOMA PROJECT

Academic Year 1997/98

Project Number, E.1135

Title:

Design of the Electrical Services of a Library

Objectives:

1. To design the complete electrical installation of a Library which includes the following:
 - (i) power
 - (ii) lighting
 - (iii) telephone distribution
 - (iv) Data Computer Network
2. To provide all necessary diagrams schedule of materials and costing including labour.

Terms and Conditions:

1. Three-phase 415 Vrms 50Hz, T.T. earthing system.
2. Architectural drawing will be provided.
3. The IEE Wiring Regulations 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 the CIBS code.
5. CYTA requirements to be taken into consideration.

Student : Mr Kyriacos Piliias, 3EL1

Supervisor : Mr G Kourtellis

External Assessor :

GK/ML



INTRODUCTION

This project deals with the electrical installation of the H.T.I.'s library. This building consists of two floors.

The objectives of this project is to design the electrical installation of this library which includes the following :

1. power design
2. lighting design
3. telephone distribution
4. data computer network

Also to provide all necessary diagrams schedule of materials and costing including labour.