Higher Technical Institute

ELECTRICAL ENGINEERING DEPARTMENT DIPLOMA PROJECT

DESIGN OF THE ELECTRICAL SERVICES
OF A LIBRARY

By PILIAS KYRIACOS E/1135

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HIGHER TECHNICAL INSTITUTE

ELECTRICAL ENGINEERING DEPARTMENT

DIPLOMA PROJECT

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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 ENGINE Electrical Engineering of the HIGHER TECHNICAL INSTITUTE NICOSIA, CYPRUS	NEER in
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 quidance 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

CONTENTS

TITLE PAGE
ACKNOWLEDGEMENTS
CONTENTS
INTRODUCTION

CHAPTER 1 - EARTHING

- Definitions
- Main equipotential bonding
- Direct and indirect contact
- Earthing systems

CHAPTER 2 - INSPECTION AND TESTING

- Inspection
- Testing

CHAPTER 3 - ILLUMINATION DESIGN

- Introduction
- Methods of illumination
- Definitions and units
- Design procedure
- Typical calculations on illumination
- Tables of illumination results

CHAPTER 4 - LIGHTING DESIGN

- Introduction
- Definitions
- Overload protection
- Voltage drop
- Shock protection
- Thermal constrains
- Conduit size
- Tables

CHAPTER 5 - DESIGN FOR SOCKET OUTLETS

- Introduction
- Design example
- Tables

CHAPTER 6 - FAN AND COIL UNITS DESIGN AND CHILLER

- Introduction
- Design example
- Tables

CHAPTER 7 - CALCULATION OF SUPPLY CABLES

- Introduction
- Calculation of supply cables for each distribution board
- Tables
- Fault level calculations

CHAPTER 8 - TELEPHONE INSTALLATION DESIGN AND STRUCTURE CABLING DESIGN

- Telephone definitions
- Introduction to structure cabling
- Technical description
- Recommendations for the structure cabling installation
- Topology and distances
- Cable test
- Components characteristics

CHAPTER 9 SINGLE LINE DIAGRAMS

CHAPTER 10 COSTING

CONCLUSIONS

APPENDIX 1

APPENDIX 2

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:

- 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.

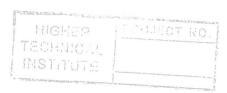
Terms and Conditions:

- 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 Pilias, 3EL1

Supervisor : Mr G Kourtellis

External Assessor :



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.