

HIGHER TECHNICAL INSTITUTE

ELECTRICAL ENGINEERING DEPARTMENT

DIPLOMA PROJECT

DESIGN OF THE ELECTRICAL INSTALLATION
OF A MONASTERY

E/1061

BY: CHOWUDHARY JASHIM

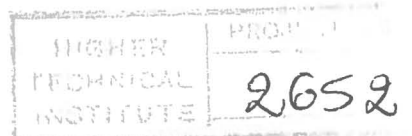
JUNE 1997

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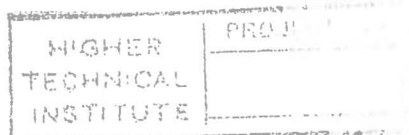
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Design of the electrical installation of a monastery

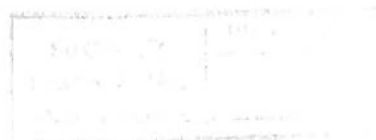
Project report submitted by Chowudhury Jashim , in part satisfaction of the award of Diploma of Technical Engineering of the Higher Technical Institute, Cyprus.

Project supervisor : G.Kourtelis

Professor of Electrical Engineering , H.T.I.

Type of project : Individual

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SYMBOLS AND ABBREVIATIONS

Abstract

This project deals with the design of the electrical and telecommunication services of a monastery.

The electrical services are the lighting , power , and telecommunication installation on the basis of the IEE regulation 16th edition.

SYMBOLS AND ELABORATIONS

B.S.	British standard
I.E.E.	Institution of Eletrical Engineering
M.F.	Maintenance factor
P.F.	Power factor
U.F.	Utilisation factor
S/O.	Socket outlet
E.F.L.T.	Earth fault logo impedance
SP&N.	Single phase & neutral
TP&N.	Three phase & neutral
MCB.	Miniature circuit breaker
V.D.	Voltage drop
C.B.	Circuit breaker
DC	Distribution case
DB	Distribution board
CCT	Circuit
M	Meters
%	Percentage

INTRODUCTION

This project deals with the design of the electrical and telecommunication services for a monastery which will include the following:

- (i) Electrical services**
 - (a) Lighting**
 - (b) Power**

- (ii) Telecommunication services**
 - (a) Telephone system**

The design was carried out according to:

- (1) The 16th edition of the I.E.E. regulation and the local EAC conditions of supply.**

- (2) The CYTA requirements for telephone installations**

The monastery consists of :

- Basement**
- Ground floor**
- First floor**