

HIGHER TECHNICAL INSTITUTE

ELECTRICAL ENGINEERING COURSE

DIPLOMA PROJECT

DESIGN OF THE ELECTRICAL AND  
TELECOMMUNICATION INSTALLATION  
OF A GROUP OF HOTEL APARTMENTS

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LOIZOS G. LOIZOU

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HIGHER TECHNICAL INSTITUTE	PROJECT NO 1657
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Design of the electrical and telecommunication installation  
of a group of hotel apartments.

Project Report submitted by

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in part of satisfaction of the  
award of Diploma of Technical  
the Higher Technical Institute, Cyprus.

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Type of Project : Individual

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## ABSTRACT

This project deals with the design of the electrical and Telecommunication services for hotel apartments.

The Project includes the design procedure, typical calculation examples for each part of the design carried out, and working drawings which included lighting, power and telephone system.

The IEE regulations and the E.A.C conditions of supply requirements are considered in the design of this installation.

The levels of illumination for the various areas are according to the GIBS code.

## CONTENTS

ACKNOWLEDGEMENT

ABSTRACT

SYMBOLS AND ABBREVIATIONS

INTRODUCTION

ILLUMINATION DESIGN

LIGHTING DESIGN

POWER DESIGN

A: SOCKET OUTLETS

B: COOKER UNITS

C: REFREGERATOR

D: WATER HEATER

E: WATER PUMPS SUPPLY

SUPPLY CABLES

TESTING EARTHING SYSTEM

SOUND DESIGN

TELEPHONE DESIGN

CONCLUSIONS