

HIGHER TECHNICAL INSTITUTE

ELECTRICAL ENGINEERING DEPARTMENT

DIPLOMA PROJECT

DESIGN OF THE ELECTRICAL SERVICES

OF A DISCO

E. 1146

BY: CHRISTOS SAVVIDES

JUNE 1998

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HIGHER TECHNICAL INSTITUTE	PROJECT NO. 2881
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# CONTENTS

Acknowledgements .....	3
Summary .....	4
Introduction.....	5
<b>CHAPTER 1 - THEORY BEHIND THE CALCULATIONS.....</b>	<b>7</b>
1.1. ILLUMINATION .....	7
1.2 LIGHTING CIRCUITS .....	12
1.3 SOCKET OUTLET CIRCUITS.....	15
1.4 CONDUIT SIZING CALCULATIONS .....	17
<b>CHAPTER 2 - THE ACTUAL CALCULATIONS FOR POWER AND LIGHTING CIRCUITS.....</b>	<b>19</b>
2.1 LIGHTING CIRCUIT L1 .....	19
2.2 LIGHTING CIRCUIT L2 .....	22
2.3 LIGHTING CIRCUIT L3 .....	25
2.4 LIGHTING CIRCUIT L4 .....	27
2.5 LIGHTING CIRCUIT L5 .....	30
2.6 LIGHTING CIRCUIT L6 .....	32
2.7 LIGHTING CIRCUIT L7 .....	34
2.8 BUBBLE MACHINE CIRCUIT B.M .....	36
2.9 EMERGENCY LIGHTING CIRCUIT.....	39
2.10 SOCKET OUTLET CIRCUIT S.O.C1.....	40
2.11 SOCKET OUTLET CIRCUIT S.O.C2.....	43
2.12 SOCKET OUTLET CIRCUIT S.O.C3.....	45
2.13 SOCKET OUTLET CIRCUIT S.O.C4.....	48
<b>CHAPTER 3 - HEATING AND AIR CONDITIONING .....</b>	<b>52</b>
3.1 GENERAL .....	52
3.2 CALCULATIONS .....	52

<b>CHAPTER 4 - FIRE AND BURGLAR ALARM SYSTEMS .....</b>	<b>55</b>
4.1 FIRE ALARM SYSTEM .....	55
4.2 BURGLAR ALARM SYSTEM .....	56
<b>CHAPTER 5 - BALANCING AND DIVERSITY CALCULATIONS.....</b>	<b>59</b>
5.1 BALANCING (NON-DIVERSIFIED DEMAND) .....	59
5.2 DIVERSITY CALCULATIONS.....	60
5.3 POSITIONING OF LOADS ON DISTRIBUTION BOARDS .....	61
<b>CHAPTER 6 - TELEPHONE INSTALLATION .....</b>	<b>65</b>
6.1 CALCULATIONS .....	65
6.2 CONDUIT SCHEMATIC DIAGRAM.....	66
6.3 WIRING SCHEMATIC DIAGRAM.....	67
<b>CHAPTER 7 - EARTHING.....</b>	<b>69</b>
7.1 GENERAL .....	69
7.2 BONDING.....	69
7.3 METAL PARTS NOT EARTHED .....	69
7.4 METHODS OF EARTHING .....	70
<b>CHAPTER 8 - MATERIAL COSTING.....</b>	<b>73</b>
<b>LEGEND .....</b>	<b>74</b>
<b>CONCLUSIONS .....</b>	<b>75</b>
<b>APPENDICES .....</b>	<b>76</b>
- APPENDIX 1 - TABLES USED	
- APPENDIX 2 - MANUFACTURERS CATALOGUES	

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## SUMMARY

**TITLE: DESIGN OF THE ELECTRICAL SERVICES OF A DISCO**

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This report investigates and provides the electrical installation for a disco.

By analysing all the power and lighting circuits of the installation and by providing all the necessary details about them this report also examines any special features the installation might have that would make it different from others.

The report was drafted in a form that, a person who would want to apply this installation to a building can easily do it by having the report and drawings.

## INTRODUCTION

A disco is a place where somebody can go and have a nice time by listening to dance music, dancing and having a drink. In Cyprus discos are a very well known way of having a good time on a night out and because discos are many in number every where in Cyprus, over the years, every disco owner has been trying to make his disco better than the others in several ways.

This project shows how the electrical installation of a disco must be done in order to provide pleasure, comfort and above all safety to every customer.

The project starts in:

**CHAPTER 1** where all the theory, on which the calculation is based, is given.

It then moves on to:

**CHAPTER 2** where the actual calculations are made.

**CHAPTER 3** where the necessary information and calculation is given about the air conditioning and heating.

**CHAPTER 4** where there is information and calculation about the fire and burglar alarm systems.

**CHAPTER 5** where all the balancing and diversity calculations are given.

**CHAPTER 6** which shows the telephony installation of the building

**CHAPTER 7** where information about earthing is given

**CHAPTER 8** where the materials costing list is given