HIGHER TECHNICAL INSTITUTE

ELECTRICAL ENGINEERING DEPARTMENT

DIPLOMA PROJECT

DESIGN OF THE ELECTRICAL INSTALLATION OF A SHOW ROOM

E. 1190

BY: ANDRONIKOS KOKKINOS

JUNE 1999

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To
All my friends and especially to my family for the help and support they offered me.

ACKOWLEDGEMENT

I would like to express my thanks to all the people that have helped throughout this project and especially my supervisor Mr. A. Georgiou

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INTRODUCTION

This project deals with the design of the electrical and specialised electrical services of a show room

The design will include

- Lighting design
- Power design
- Telecomunications system
- Intruder alarm system

All the design will be carried out according to

- The IEE regulations (16th edition)
- The british standarts BS4737
- The CYTA regulations

ASSUMPTIONS FOR HEIGHT OF VARIOUS LOADS

1. The distribution boards are at a height of 1,5 m
2. All the switches are at a height of 1,5 m
3. The socket outlets are at a height of 0,5m
4. The wall lamps at the toilets are at a height of 2,25 m
5. The EAC meter and the RCCB are at a height of 1,75 m
6. The sensors for the intruder alarm system are at a height of 3 m