Higher Technical Institute

ELECTRICAL ENGINEERING DEPARTMENT

DIPLOMA PROJECT

DESIGN OF ELECTRICAL SERVICES OF A MULTISTOREY BUILDING

BY

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HIGHER TECHNICAL INSTITUTE

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E. 1168

KOYZAPAS MICHALIS

JUNE 99

DESIGN OF THE ELECTRICAL INSTALLATION

OF A MULTISTOREY BUILDING

Project submitted by:

MICHALIS KOYZAPAS

In part satisfaction of the award of
DEPLOMA OF TECHNICIAN ENGINEER in
ELECTRICAL ENGINEERING OF THE HIGHER
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Project Supervisor
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Senior Lecturer H.T.I

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DEDICATED TO MY
FAMILY WHO OFFERED
ME SO MUCH

GENERAL INTRODUCTION

The design of the electrical services of a multistorey building are represented in this project. The building it consists of a parking area on the underground floor, a big shop in the ground floor and the mezzanine.

In the first and second floor there are two companies (offices). Finally there is a luxury house on the third floor.

The main objective of this project were

1. To design the complete electrical installation of a building which includes the following

   a) power
   b) lighting
   c) telephone distribution
   d) Air conditioning

2. To provide lightning protection.
3. To provide all necessary diagrams schedule of materials and costing.

Terms and conditions

1. Three-phase 41SV rms. SOHz, T.T earthing system.

2. Architectural drawing will be provided.

3. The illumination design must be in accordance with CFBS code.

4. CYTA requirements to be taken into consideration.

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