

HIGHER TECHNICAL INSTITUTE

ELECTRICAL ENGINEERING COURSE

DIPLOMA PROJECT

DESIGN OF THE ELECTRICAL
INSTALLATION OF AN OFFICE BLOCK

BY

RTOS CHARALAMBOS

E / 1034

JUNE 1996

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DIPLOMA PROJECT

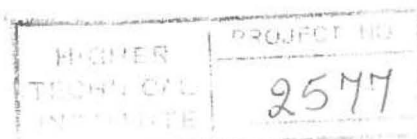
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I would like to express my thanks to my project supervisor Mr J. Demetriou, for his valuable guidance and help in carrying out this design.

Also I would like to thank everyone else who helped in any other way such as providing necessary information specifications and technical data or suggesting methods for better presentation of the project.

ELECTRICAL INSTALLATION OF AN OFFICE BLOCK

Project Report Submitted by
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in part satisfaction of the award
of diploma of Technician Engineer in
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Type of project : Individual

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SUMMARY

ELECTRICAL INSTALLATION OF AN OFFICE BLOCK

BY
ROTOS CHARALAMBOS

The project deals with the electrical installation of an office block.

The objectives of this project are :

- (1) To design the Electrical Installation of an office block.
- (2) To study the illumination engineering work involved
- (3) To design the installation of a structured cabling system.
- (4) To provide all necessary diagrams schedule of materials and costing; including labour.

The whole work was carried out successfully and in a way that all the objectives have been satisfied.

First the illumination design was studied carefully and any problems arose have been solved. After the design calculations, all the lighting fitting points were marked on the drawings.

As a second step all the necessary regulations concerning the electrical installation have been studied. All these are shown in the project. After the design calculations all the results have been tabulated and the diagrams for the electrical connections were drawn.

The structured cabling system was design successfully. Finally, all the drawings are attached in the project.