

HIGHER TECHNICAL INSTITUTION
ELECTRICAL ENGINEERING DEPARTMENT

DIPLOMA PROJECT

**DESIGN OF THE ELECTRICAL SERVICES
OF A TOWN HOUSE**

PAPAGEORCHIOU CHARIS
038

DIPLOMA PROJECT

DESIGN OF THE ELECTRICAL SERVICES OF A LUXURY HOUSE

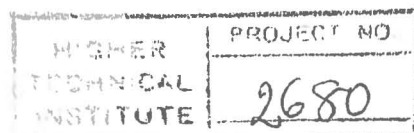
BY

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**In partial fulfillment of the requirements
for the diploma of Technician Engineer
in the Electrical Engineering
Department of the**

**HIGHER TECHNICAL INSTITUTE
NICOSIA-CYPRUS**

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**DEDICATED TO MY
FAMILY AND FRIENDS,
ESPECIALLY STATHIS**

ACKNOWLEDGEMENTS

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Also, I would like to thank all those who in any way helped me during the period of this project.

INTRODUCTION

This project deals with the design of the Electrical Services of a luxury house. It consists of the underground, the ground floor, the first floor and the second floor.

The objectives of the project are the following:

1. To design the complete electrical installation of a building which includes the following:
 - (a) Power
 - (b) Lighting
 - (c) Telephone Installation
 - (d) Fire and Burglar alarm systems

2. To provide all necessary diagrams schedule of materials and costing including labour.

The whole installation is carried out in accordance to the following requirements:

- (a) The 16th edition of the IEE wiring regulations and additional local regulation
- (b) EAC conditions of supply
- (c) C.I.B.S. code for interior lighting
- (d) Interior lighting design
- (e) CYTA regulations