

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

PROJECT REPORT SUBMITTED BY ANDREAS XYDAS

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THE HIGHER TECHNICAL INSTITUTE**

NICOSIA – CYPRUS

JUNE 2005

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HIGHER TECHNICAL INSTITUTE	PROJECT NO
	3552

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ACKNOWLEDGEMENT

I would like to express my thanks to my project supervisor Mr G. Kourtellis, lecturer of the Electrical Engineering Department of H.T.I., for his guidance and assistance given to me throughout the project period.

SUMMARY

The purpose of the electrical installation project is the design of electrical services in a luxury house that must be carried out according with the responsibility in order to provide safety to people.

The electrical design of the building is carried out according to IEE regulations 16th Edition.

For the telephone installation CYTA regulations were considered.

The design of the electrical services of the luxury house is explained in detail in the main body of the report. At the end of the report appendices are included giving specifications for the devices and equipments used. Eventually detailed architectural drawings are provided, showing the locations of the different equipments.

INTRODUCTION

Design of electrical services of a luxury house as the title of this project.

The objectives of this project are:

- Lighting
- Power
- Telecommunication
- Fire alarm
- Intruder alarm

To provide all the necessary drawing, schedule of material and costing including labour.

Terms and conditions:

1. Architectural drawing will be provided.
2. The phase supply 415 Volts, 50 Hz and TT earthing system must be used.
3. The IEE regulation 16 and all related local EAC conditions of supply should be considered.
4. Levels of illuminations must be according with the CIBS code.
5. Telecommunications must confine with CYTA requirements.
6. In the design of the specialized services all appropriate standards and regulations must be considered.