HIGHER TECHNICAL INSTITUTE

ELECTRICAL ENGINEERING COURSE

DIPLOMA PROJECT

DESIGN OF THE ELECTRICAL SERVICES OF A BUILDING

E/1355

BY: FRANGOUDES PLOUTARCHOS

JUNE 2004

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BY: FRANGOUDES PLOUTARCHOS

SUPERVISOR: Mr. CHARALAMBOS CHRISAFIADES

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DEDICATED:

To all the people who
helped me to complete the
Electrical Engineering Course in
Higher Technical Institute

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SUMMARY

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

The electrical design of the building is carried out according to IEE wiring regulations 16th edition. Also C.Y.T.A. and E.A.C. regulations (other than those of IEE), C.I.B.S. code for interior lighting, fire alarm system, storage heater, air-conditioning and lightning protection regulations were considered.

The design of the electrical services of the building is explained in detail in this book. The book has been divided into different chapters. The contents of the book and of each chapter are given at the beginning. At the end of the book there are appendices. In each appendix there are tables and manufacturers data used in the design, for each appendix.