

HIGHER TECHNICAL INSTITUTE

ELECTRICAL ENGINEERING DEPARTMENT

DIPLOMA PROJECT

DESIGN OF THE ELECTRICAL SERVICES OF A FACTORY

by

HERACLEOUS E. PARIS (E/893)

JUNE 1994

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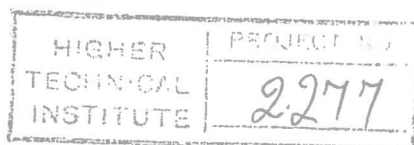
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FOR AWARD OF THE
DIPLOMA OF TECHNICAL ENGINEER (HND)
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To my best friend CHRISTOFOROS
I WILL ALWAYS REMEMBER YOU

C O N T E N T S

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ABSTRACT

This project "Design of the Electrical Services of a Factory" deals with the electrical installation of a 'SteelWorks' Factory.

The objectives are:

1. To design the complete electrical installation services of this particular factory as follows:

- a) Power
- b) Lighting
- c) Split air-conditioners

2. To provide illumination design

3. To design the Telephone network

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

Terms and Conditions:

1. Three phase 415 Vrms 50Hz, T.T earthing system.
2. Architecture drawing and list of electrical machines with specifications will be provided.
3. The IEE Wiring Regulations 16th Edition as currently amended and the local E.A.C. conditions of supply must be complied with.
4. The Illumination Design must be in accordance with the CIBS code.
5. CyTA requirements to be taken into consideration.

REFERENCES

1. IEE WIRING REGULATIONS 16th EDITION
2. GEWISS ELECTRICAL INSTALLATION EQUIPMENT
3. MEM GENERAL ELECTRICAL CATALOGUES
4. H.T.I. NOTES AND REFERENCES