HIGHER TECHNICAL INSTITUTE

ELECTRICAL ENGINEERING COURSE

DIPLOMA PROJECT

DESIGN OF THE ELECTRICAL SERVICES OF A FACTORY

CHRISTOFOROU CHRISTOS

E 1429

JUNE 2008

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HIGHER TECHNICAL INSTITUTE | PROJECT NO 3756

PROJECT REPORT SUBMITTED BY

CHRISTOFOROU CHRISTOS

TO THE DEPARTMENT OF ELECTRICAL ENGINEERING OF

THE HIGHER TECHNICAL INSTITUTE

NICOSIA-CYPRUS

JUNE 2008

PROJECT SUPERVISOR: MR G. KOURTELLIS.

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ACKNOWLEDGMENT

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 this guidance and assistance given to me through the project period.

Introduction

Title: Design of the Electrical Services of a Factory

The objectives of the project are:

1. To design the complete electrical installation of a Factory which includes the following:
   i. Power (standby by generator, parking, store, offices)
   ii. Lighting
   iii. Telephone and data distribution
   iv. Fire and Burglar alarm
2. 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. Architectural drawing will be provided.
3. The IEE Wiring Regulations 16th Edition as currently amended and the local EAC conditions of supply must be complied.
4. The illumination design must be in accordance with the CIBS code.
5. CYTA requirements to be taken into consideration.

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