HIGHER TECHNICAL INSTITUTE

ELECTRICAL ENGINEERING COURSE

DIPLOMA PROJECT

DESIGN OF THE SERVICES OF A FACTORY

3E1

BY: LEANDROU JOHN

JUNE 1991

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TITLE: THE DESIGN OF THE ELECTRICAL SERVICES OF A FACTORY .

CLASS: 3E1.

PROJECT NO. : E/733.

SUPPERVISSOR: S. ANASTASIOU.

EXTERNAL ASSESSOR: G. CONSTANTINOU.

DESIGN BY: LEANDROU JOHN.

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GENERAL INFORMATION ABOUT THE DESIGN OF THE ELECTRICAL INSTALLATION OF THE FACTORY :

1.ELECTRICITY SUPPLY:

The local supply authority is the Electricity Authority of Cyprus .All equipment and systems shall be suitable for operation at 240/415 V ,single phase or three phase, as the case may be, at a frequency of 50Hz.

2.REGULATIONS:

All electrical work and design shall be executed in accordance with the latest edition (15^{th}), of the Institution of Electrical Engineers regulations, issued in London U.K.All works in general shall comply with any other local statutory regulations where applicable (E.A.C regulations).

3.MATERIALS:

All materials, equipment, fittings, accesories and apparatus utilised, whether specified or shown on the drawings or not, would be new, and manufactured in accordance with the specifications of the relevant applicaple British Standards. Materials etc manufactured in accordance with other internationaly recognised standards are not excluded, provided that adequate and satisfactory evidence, indicating that such materials comply with the minimum requirements of the corresponding British Standards. Workmanship shall conform with the appropriate and relevant British Standard Codes of Practice, at the date of submission of the project.

4.DRAWINGS:

The project drawings are intended to show the approximate position of equipment, panels, distribution boards and approximate runs of ductwork conduit, cables etc, to enable the contractor to measure from these drawings, after making due allowance for these approximations.

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