

**HIGHER TECHNICAL INSTITUTE
ELECTRICAL ENGINEERING
DEPARTMENT**

DIPLOMA PROJECT

**DESIGN OF THE ELECTRICAL INSTALLATION
OF A BANK**

E.1311

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INTRODUCTION

The purpose of this project is the design of a complete electrical installation of a bank.

The objectives go as followed:

- A) In order to have the complete diagram of the installation these must be taken in mind:
1. Illumination
 2. Lighting
 3. Socket outlets
 4. Power
 5. Structure Cabling
 6. Fire and security systems
- B) To provide the schematics of the building itself as well as the wiring structure of power, lighting etc.

Terms and conditions

- A) Three-phase voltage 415 Vrms with 50 Hz frequency and TT earthing system.
- B) Schematics will be provided.
- C) The IEE wiring regulations 16th Edition is taken in mind.
- D) The local EAC supply conditions must be compatible with.
- E) The lighting design is compatible with the BZ method.
- F) CYTA requirements are to be taken into consideration

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