

HIGHER TECHNICAL INSTITUTE

ELECTRICAL ENGINEERING COURSE

DIPLOMA PROJECT

**DESIGN OF THE ELECTRICAL INSTALLATION
OF A MULTISTOREY BUILDING**

**E/765
KALAFATIS PETROS
JUNE 1991**



DESIGN OF THE ELECTRICAL INSTALLATION
OF A MULTISTOREY BUILDING

Project report submitted by: KALAFATIS PETROS

In part satisfaction of the award of
DIPLOMA OF TECHNICIAN ENGINEER
in electrical engineering of the
Higher Technical Institute, Cyprus

PROJECT SUPERVISOR: Mr. J. DEMETRIOU
EXTERNAL ASSESSOR : Mr.

TYPE OF PROJECT: INDIVIDUAL ✓
GROUP

JUNE 1991

ABSTRACT

The present project deals with the design of the electrical installation of a multistorey building, consisting of 6 shops and total of 9 flats.

The following are included in this project.

1. The study of the illumination engineering work involved using the "Lumens" method, of design for calculating and locating the number of fitting (luminaires) used in all premises.
2. Calculations of the supply cables, type and rating of protective devices for all circuits, information concerning the conduit runs and location of switches and other relevant items so as to comply with the regulation for electrical installations.
3. Telephone installation schematic and wiring diagrams including information for the conduit runs and location of telephone points and distribution cases.
4. Costing of the installation using the analytical method.

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