

DESIGN OF THE ELECTRICAL SERVICES OF A TELEPHONE EXCHANGE

BY

NICOLAOU NIKOS

Project Report

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SUMMARY

This project deals with the electrical installation of a telephone exchange. The content of each chapter is written below.

Chapter 1 deals with the calculations procedure.

Chapter 2 gives a general theoretical approach of the illumination design for the type, rating and spacing of the luminaires.

Chapter 3 gives the actual design of the lighting and socket circuits.

Chapter 4 gives a brief description of the DC power plant and all the calculations associated with.

Chapter 5 deals with the installation of the generator.

Chapter 6 describes the airconditioning system.

Chapter 7 deals with the fire alarm system.

Chapter 8 analyses the loads of each distribution board and calculates the interconnecting cable sizes.

Chapter 9 deals with the fault level calculations.

Chapter 10 describes the earthing arrangement.

Chapter 11 discuss the overcurrent protection.

Chapter 12 shows the testing methods of an electrical installation.

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