

DESIGN OF THE ELECTRICAL SERVICES
OF THE MULTISTOREY BUILDING

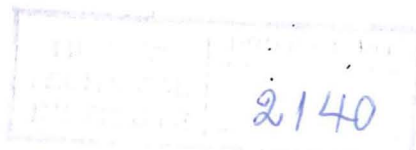
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TECHNICAL ENGINEER

IN

ELECTRICAL ENGINEERING



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I would also like to thank all those who have in a way helped me to complete this project.

INTRODUCTION:

The purpose of this project is the design of the electrical services of a multistory building.

Chapter one gives usefull information and definitions that are found in this project.

Chapter two refers to protection against overcurrent and earth leakage currents. Also refers to the various protective devices which are used.

Chapter three deals with the earthing of an installation.

Chapter four refers to inspection and testing of a complete or a non complete installation.

Chapter five includes all the illumination work carried out in order to determine the correct wattage and number of fittings in every area.

Chapter six deals with the lighting calculations.

Chapter seven deals with the socket outlet calculations.

Chapter eight deals with the fixed appliances calculations.

Chapter nine deals with the climate calculations. This chapter includes air conditioning untis calculations and storage systems calculations.

Chapter ten deals with the common use area calculations. This chapter includes lighting points, socket outlets, a lift motor circuit, supply to a secondary D.B and supply to three water pumps.

Chapter eleven deals with the calculations of the mian cables.

Chapter twelve refers to fault level calculations.

Chapter thirteen deals with the costing and the total cost of the installtion.

Chapter fourteen refers to all the single line diagrams of the distribution boards install in every floor and flat.

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DBG1
 DBG2
 DBF1
 DBF2
 DBS1
 DBS2
