

## **WIRING DESIGN USING ELEC SOFTWARE**

**A project report presented in partial  
fulfilment of the requirements for the  
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## ABSTRACT

The main objective of this project is to know how to run the software, inserting the correct data input and to store the additional protective characteristic data from various manufactures.

In this report theoretical and practical part of wiring design was discussed. This report was based on Elec software (15 th Edition) that produced by Hevacomp U.K on December 1990.. Elec software is just one of the program for Mechanical and Electrical Design Package (Building Services). The main Elec package enables us to complete electrical system of sub-mains , boards and final circuits to be set-up , size and checked.

**Chapter One-** Introduction and Theoretical part General Description on Wiring Design, plus a brief look on the 16th Edition and 15th Edition Wiring Regulation.

**Chapter - Two** gives a general descriptions How to insert Input Data i.e to start the program.  
(Practical)

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## **1.0 INTRODUCTION AND GENERAL DESCRIPTION ON WIRING DESIGN (THEORY)**

The increase of development especially in the building services affect the works of electrical designer to cooperate closely with other fields such as civil and mechanical designers to get a good design. In this sense Hevacomp U.K has introduced a software package that could be used together for Electrical and Mechanical designer with a fast time and convenience called Elec, HSTAR, DDB and Lightmen. Of course this report only discuss on Elec software (practical part).

In wiring design, experience guides the designer to do the best job since it is his or her responsibility to establish the quality and the most economical design within the frame work of the design criteria.

The design of wiring design in building has to take general consideration that is flexibility, reliability, safety, economic factors, energy consideration, space allocations and special consideration.

The degree of flexibility to be incorporated depends in large measure on the type of facility. For reliability it is determined by two factors that is the utility's service and the building's