DESIGN OF THE ELECTRICAL AND TELECOMMUNICATIONS SERVICES FOR HOTEL APARTMENTS

by

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Project Report

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S U M M A R Y

This project deals with the design of the electrical and telecommunication services for hotel apartments. Also a costing of the installation is carried out.

The electrical services are separated into lighting and power design. In order to be able to carry out the lighting design, illumination calculations were carried out for the selection of the appropriate luminaires to be used. Then sample calculations were done showing the lighting and power design. At the end the assignment of the various circuits to the distribution boards was done, also the calculations for the balancing of the current demand to the three phases as well as the protective devices to be used and their breaking capacity.

The telecommunication services show how the telephone network was distributed to the building and whether direct exchange lines were used or a key system.

Finally all necessary drawings of the electrical and telecommunication services as well as the single line diagram of the electrical installation are included.

C O N T E N T S