

H. T. I.

**ELECTRICAL ENGINEERING COURSE
DIPLOMA PROJECT**

**DESIGN OF THE ELECTRICAL SERVICES
OF A SWIMMING CENTRE**

E / 1137

ANDREAS XENOFONTOS

1998

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SUMMARY

The electrical installation and services of a "*Swimming Centre*" are composed of the design of the lighting and power circuits, the design of the fire alarm system and finally the telephony system.

Great concern is given about safety as all necessary calculations are made. Safety is the most important thing that is taken into consideration when an electrical installation is designed.

Safety for other external or internal condition is made. (i.e. Fire alarm)

The estimation of the cost is based on the running cost of materials used and the present existing labour cost.

INTRODUCTION

The lighting load was determined in accordance with the study of the illumination engineering work. During the illumination design care was taken so as all the requirements used to comply with the CIBS codes for interior lighting. The selection of the required numbers, kind of position of any other load had been taken after an examination of the work carried at each area.

In carrying out the design of the whole installation the I.E.E. (16th edition) regulation as well as the local regulations established by the E.A.C. were taken into account.