

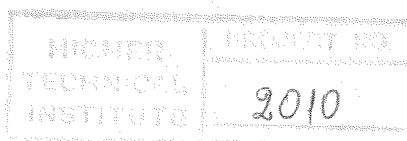
3862

SPECIALISED SERVICES OF A COOPERATE BANK

Electrical Installation Tender Documents

**A report submitted for the partial fulfillment of the requirements for the
award of the Diploma**

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Special thanks to Mrs Maro Neophytou.

Specialised installation of a Cooperate Bank

Designed by Demetris Demetriou

In this project we deal with the specialised services of a Bank. Such services are the Lightning Protection System, the Fire Alarm System, the Intrusion Alarm System, and the Visual Display Units. The Telephone installation was also designed.

In the case of the Lightning Protection the system used has a number of down conductors connected at the ground to a MAT/GRID system buried half metre below the surface. The system has also some Air Terminals but they are mostly light duty ones, except for some cases.

The Fire and Burglar alarm are drawn on the same drawings. For the Fire Alarm we have several types of detectors and manual call points. There is also a Fire Extinguishing System which is placed in the Computer Room. This system uses Halogen Gas so that in the case of its actuation the equipment will not be damaged. The Burglar Alarm uses infrared detectors mostly but magnetic switches and coded door access switches also find some use.

Finally the Telephone system is a P.A.B.X with 16 EL's and 80 ext's. Not all of the extensions are used but it is better to have the ability to expand the system. On the ground and Mezanine floor we use mostly extensions and the on the two floors DEL's are used as the offices on these floors are of higher ranking employees that deal with more than just the ordinary bank transactions.

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