

DESIGN OF THE ELECTRICAL SERVICES OF A HOTEL APPARTMENT

Project report submitted by:

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INTRODUCTION

In this project we deal with the analytical design of the Fire Alarm System, Lightning Protection, Sound Distribution system, Paging System, Central Antenna system and Stand-by supply of Hotel Apartments.

The project includes general theoretical points on the objectives followed by the actual Practical suggestions.

These Practical suggestions are carried out with reference based to the Building's drawings provided and on various standards related to the special type of electrical installations which are internationally accepted standards.

Finally the design is completed by the selection of proper equipment to satisfy the requirements of design.

The Sound distribution, the Central Antenna system and the fire alarm system are drawn on the same drawings. The Lightning protection system is drawn on a separate drawing so as to avoid confusion.

Before starting the design procedure of such systems it is very important to know all possible information related to the installation that is going to be designed. These information are given in this project under the title General Requirements .

Then care must be taken to select the proper equipment to be used through out the installation. The selection must satisfy both factors of best quality and value of money. The construction of the equipment and facilities available must be taken into consideration too. The whole design procedure must be carried out step by step carefully and the calculations of every step must be checked analytically. A very small fault should bring bad results which do not coincide with the initial design requirements.

The Hotel, the specialised services of which, we are

going to design, is located in Paphos Town. The Hotel consists of a Basement, a Ground Floor, two identical floors in the main Hotel and two Floors of apartments.

TABLE OF CONTENTS

Chapter: I General requirements.....3

- 1. Extent of work.....3
- 2. Builder's work.....3
- 3. Regulations.....4
- 4. Standards.....5
- 5. Safety Precautions.....5
- 6. Markings and Notices.....5
- 7. Supervision.....5
- 8. Technical Administration.....5
- 9. Labour and Material.....6
- 10. Maintenance.....6
- 11. Tender Measurements.....6
- 12. Installation Drawings and Documents.....6
- 13. Inspection and Testing.....7

Chapter: II Fire Alarm System.....8

- 1. General.....8
- 2. Fire Protection Planning.....9
 - 2.1 Compliance with regulations.....9
 - 2.2 Preventive Measures.....9
 - 2.3 Features of the building.....10
 - 2.4 Protection Measures.....10
 - 2.5 Fire protection Concept.....11
 - 2.6 Distinguishable detection systems....11
 - 2.7 Purpose of fire detection system....12
 - 2.8 Fixed extinguishing system.....12
 - 2.9 The extent of monitoring.....12
 - 2.10 Exceptions to Rules of monitoring...13
 - 2.11 Zones with fixed extin. system.....14
 - 2.12 Types of Detectors.....15
 - 2.13 Which Detector?.....15
 - 2.14 Siting Detectors.....17
 - 2.15 Manual call points.....19
 - 2.16 Zoning.....21
- 3. Fire Detection Systems control units.....21
 - 3.1 Objective.....21
 - 3.2 Basic Detector requirements.....21

3.3	Detector circuits.....	22
3.4	Location of the Fire detection unit..	22
3.5	Sounders.....	23
3.6	Power supply.....	24
3.7	Auxiliary functions.....	24
3.8	False Alarms.....	25
4.	Fire Alarm System.....	25
4.1	Description of the system.....	25
4.2	Control Panel.....	26
4.3	Power supply.....	26
4.4	Smoke detectors.....	27
4.5	Heat Detectors.....	27
4.6	Alarm Bells.....	27
4.7	Breakglass unit.....	28
4.8	Cables and wiring.....	28
4.9	Installation of cables.....	28
4.10	Inspection and Testing.....	28
4.11	Certification of the system.....	29
4.12	Servicing.....	29
4.13	Product Compatibility.....	29
5.	Fire Alarm Zones and Equipment used.....	29

Chapter III Lightning Protection System.....31

1.	Lightning Protection Theory.....	31
1.1	Hystorical survey.....	31
1.2	General.....	31
1.3	Characteristics of lightning.....	33
2.	Basic Consideration.....	42
2.1	General.....	42
2.2	The need of protection.....	42
2.3	Zones of protection.....	44
2.4	Construction Sites.....	44
2.5	Inspection, Testing and records...	44
3.	System Design.....	45
3.1	Calculation of Overall Risk Factor.	45

3.2 Design Considerations.....	47
3.3 Major Components.....	48
4. Earthing.....	49
4.1 General.....	49
4.2 Bonding.....	50
4.3 Types of Earth termination networks.	51
4.4 Electronic systems Protection.....	51
5. Earth Electrodes.....	52
5.1 General.....	52
Chapter VI. Sound Distribution System.....	54
1. General.....	54
1.1 The equipment.....	54
1.2 Operation and overall Performance..	55
2. Theory of sound.....	55
2.1 General.....	55
2.2 Reflection of sound waves.....	55
2.3 Transmission of sound in Buildings..	56
2.4 Transmission of sound in Free air...	57
3. Design of the Sound Distribution System....	58
3.1 General.....	58
3.2 Design procedure.....	59
3.3 Calculations for the formulas.....	60
3.4 Actual Design.....	64
3.5 System components.....	72
Chapter V. Paging and Emergency Paging System.	79
1. General.....	79
2. Emergency Paging-Voice Alarm.....	80
2.1 What is a voice alarm?.....	80
2.2 Why Voice Alarm?.....	80
3. Equipment Used.....	81
3.1 Paging Console.....	81
4. Zones of protection.....	82

Chapter VI. Central Antenna System.....	83
1. General.....	83
2. System Design.....	84
2.1 Coaxial System.....	84
2.2 Calculation for VHF signals.....	86
2.3 Losses.....	88
2.4 Amplifier Selection.....	89
2.5 Signal, fed to Amplifier, Calculation.....	90
2.6 Calculation of each splitter output.....	91
2.7 Faults in Central Antenna System.....	98
3. Selection of Equipment.....	99
3.1 Selection of the Master Antenna.....	99
3.2 Channel Preamplifiers.....	101
3.3 Video Typewriter.....	101
3.4 In-house Video.....	101
3.5 Equipment Racks.....	101
3.6 Guest-room T.V receivers.....	102
3.7 Distribution conduit, cables.....	102
3.8 Conduit and Boxes.....	102
3.9 Splitters and combiners.....	103
3.10 Co-axial T.V cables and sockets.....	103
Chapter VII. Stand-By Supply	104
1. General.....	104
1.1 Dynamic Systems For UPS.....	104
1.2 Criteria.....	106
2. System Design.....	106
2.1 System of stand-by supply.....	107
2.2 Maintained supply.....	107
2.3 Stand-by Generator.....	108
2.3.1 Calculation of the Generator.....	110
2.4 Alternator.....	114
2.5 Autotransformer Switch.....	115
2.6 Switch-gear.....	115
2.7 Mains Failure.....	116
2.8 Mains failure control panel.....	117
2.9 Inspection and Testing.....	117

2.10 Ambient Conditions.....118

Chapter VIII. Tender Analysis.....119

- 1. Fire Alarm.....119
- 2. Lightning Protection.....120
- 3. Sound Distribution system.....120
- 4. Central Antenna system.....122
- 5. In-house movie and Video Typewriter.....122
- 6. Stand-by supply.....123
- 7. Tender Summary.....123

CONCLUSIONS.....124

LEGEND.....126

APPENDICES

DRAWINGS
