

**DESIGN OF A SPLIT-TYPE AIR-CONDITIONING
SYSTEM FOR A MULTI-STOREY BUILDING**

Project Report Submitted by

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FOR A MULTI-STOREY BUILDING

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SUMMARY

The Purpose of this project is to design a Split-type Air Conditioning System for a Multi-Storey Building.

The Multi-Storey Building, in this project, is a two-floors Building, consisting of six individual domestic houses, two at each floor (including Ground floor too).

A domestic house, requires air-conditioning for the comfortable living and comfortable domestic work of the occupants. Also, both heating and cooling is required, so as to provide comfort both at winter and summer.

Another important requirement of this project, is the individual control of the air-conditioning, at each domestic house of the building.

In order to satisfy all the above requirements, a split-type Air Conditioning system was selected, after various calculations, for sizing the system, were carried out. Importance was also given on the installation and proper operation of the system having always in mind, economy and Energy Conservation.

CONTENTS

	Pages
Introduction	
CHAPTER 1: "U" Values	1
- Introduction	
- Calculations	
- Table of "U"- Values	
CHAPTER 2: Cooling and Heating Load calculations of the Building.	10
(I) Cooling Load	
- Solar Heat Gain Through Glass	
- Heat Gain Through Exterior Walls and Roofs	
- Heat Gain Through Partitions, ceilings and Floors.	
- Heat Gain from Infiltration	
- Heat Gain from People	
- Heat Gain from Electric Lighting	
- Heat Gain from Appliances	
(II) Heating Load	
- Heat loss through Building Structure	
- Heat loss from Infiltration	
Computer Forms	
CHAPTER 3: AIR - CONDITIONING SYSTEMS	55
- Introductory	
- Air - Conditioning Systems	
CHAPTER 4: SELECTION OF SYSTEM	58

	Pages
CHAPTER 5: SELECTION OF A PARTICULAR TYPE OF SPLIT-TYPE AIR - CONDITIONERS	60
- Selection Procedure (Sample)	
- Split Units Schedules	
CHAPTER 6: Installation of the Split - type A/C SYSTEM.	65
CHAPTER 7: Maintenance and Troubleshooting	69
CHAPTER 8: Cost Analysis	72
CHAPTER 9: Conclusions	73
Manufacturers Catalogues	
References	
Drawings.	