

HIGHER TECHNICAL INSTITUTE

CIVIL ENGINEERING COURSE

DIPLOMA PROJECT

PREPARATION OF BILL OF QUANTITIES

USING COMPUTERS

C/895

ANTRONIKOU EVANGELOS

JUNE 2000

PREPARATION OF BILL OF QUANTITIES USING COMPUTERS

BY

EVANGELOS ANTRONIKOU

PROJECT REPORT

Submitted to

the Department of Civil Engineering

of the Higher Technical Institute

Nicosia Cyprus

in partial fulfillment of the requirement

for the diploma of

TECHNICIAN ENGINEER

IN

CIVIL ENGINEERING

Project Supervisor: A. Kkolos
Lecturer in Civil Engineering
Higher Technical Institute

Type of Project: Individual

Date of submission: 7th June, 2000

3059

ACKNOWLEDGEMENTS

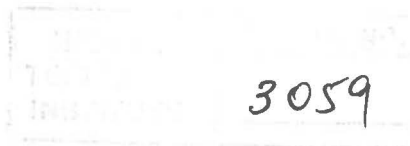
I feel the necessity to express my appreciation to those who, in any way, have contributed in the preparation and completion of this Project.

Particularly I would like to thank,

- Mr. Andreas Kkolos**
- Mr. George Eleutheriades**
- Mr. Antonis Hadjigeorgiou**
- M.D.A.**

Finally, I would like to express my deepest appreciation to

Miss ANDRIE CHRISTODOULOU



**The Project is dedicated to
Miss ANDRIE CHRISTODOULOU**

CONTENTS

	Page
Introduction -----	1
Summary -----	2
CHAPTER 1	
MB computerized system -----	3-6
CHAPTER 2	
Taking off -----	7-89
CHAPTER 3	
Abstracting -----	90-107
CHAPTER 4	
Bill of Quantities -----	108-126
Collection -----	127-128
Submitted tender -----	128
CHAPTER 5	
Drawings -----	
CHAPTER 6	
Conclusions -----	

INTRODUCTION

The main object of this project is to utilize the power of computer through a convenient software package to prepare a Bill of Quantities. It gives the benefits and applications of the computer in the quantity surveying, and also information about the Bill of Quantities.

The MB 97 computerized system was used for the preparation of the bill of quantities. A description of how the system works are written in this project. All measurements were calculated net as specified in the Cyprus Rules of Measurements. These rules have been written on May of 1998 from the Cyprus Association of Chartered Quantity Surveyors based to the Irish rules of Measurements.

Some difficulties raised at the very early time of using the MB 97 computerized system. These difficulties were due to the inexperience on using the program .In addition due to this difficulty some descriptions appeared to have a different unit of measurement compared with the Cyprus Rules of Measurement .This was not a problem since the program has the facility of writing new descriptions and the creation of new library.

SUMMARY

During the preparation of my Project, I have mainly covered the preparation of Bill of Quantities by Computerized System.

Furthermore, I have calculated the quantities of a specific house, using the taking -off traditional method.

I have also utilized my knowledge and several bibliography such as the Cyprus Rules of Measurement.

In order to prepare the relevant Bill of Quantities, I learned to use as a main tool the MB 97 Computerized System.

Finally, it can be said that the whole Project was considered to be very useful for learning how to prepare a Bill of Quantities by the use of Computers.