

HIGHER TECHNICAL INSTITUTE

CIVIL ENGINEERING DEPARTMENT

DIPLOMA PROJECT

PRODUCTION OF DRAWINGS
WITH THE AID OF AUTOCAD

C/919

MAVRI ANTONIA

JUNE 2000

PRODUCTION OF DRAWINGS WITH

THW AID OF AUTOCAD

BY

MAVRI ANTONIA

Project Report

Submitted to:

THE DEPARTMENT OF CIVIL ENGINEERING

of the

HIGHER TECHNICAL INSTITUTE

NICOSIA, CYPRUS

in the partial fulfillment of the requirements
for the diploma of

TECHNICIAN ENGINEER

in

CIVIL ENGINEERING

C/919

JUNE 2000

HIGHER TECHNICAL INSTITUTE	PROJECT NO. 3083
----------------------------------	-------------------------



CONTENTS:

Acknowledgments	
Introduction	1
Chapter 1: REQUIRED EQUIPMENT	
1.1 A computer and a keyboard	2
1.2 A monitor	3
1.3 A mouse	3
1.3 A printer	3
Chapter 2: THE AUTOCAD SCREEN	4
2.1 Toolbars	5
2.2 Drawing area	5
2.3 Status line	5
2.4 UCS icon	5
2.5 Prompt area	5
Chapter 3: AUTOCADS' MOST COMMON COMMANDS AND OPERATIONS	6
3.1 Drawing limits	6
3.2 Snaps	6
3.3 The basic Commands	7
Conclusion	9

ACKNOWLEDGMENTS:

I would like to thank my project supervisor Mr. K Anastasiadis, for his assistance and guidance to me during the preparation of the project.

I am also grateful to all those who helped me to learn the Autocad program and to perform my project

INTRODUCTION:

Autocad is a computer-aided drafting package.

It is used by Architects, Civil Engineers, Mechanical Engineers, Land Surveyors, etc for drafting of different kinds of jobs, such as houses, tanks, piping / mechanical works, etc.

The Autocad system, is a very powerful package, has many drafting tools. The user of the system can, everytime, begin a new drawing having option of setting various parameters to suit the requirements of the drafting system. Such parameters include the drawing units, the scale and the size of the sheet

The Autocad system is a very friendly system and the user can apply any of the various commands of it, either entered via the keyboard or by pointing at the appropriate menus with the mouse.

Autocad system has advantages against other drafting systems.

Such advantages are summarised to:

- Less requiring (saving of time).
- Speed of production of any drawing.
- Corrections / changes / alterations can be made very fast and clean.
- Dimensions are very accurate.
- Viewing of drawing, looks as computer products, ie all lines at the same thickness, the same character of works, numbers, etc.