HIGHER TECHNICAL INSTITUTE

CIVIL ENGINEERING DEPARTMENT

DIPLOMA PROJECT

PRODUCTION OF DRAWINGS WITH THE AID OF A CAD PACKAGE

C/825

BY: CHRISTODOULOU ANDREAS

JUNE 1998

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HIGHER TECHICAL INSTITUTE

NICOSIA - CYPRUS

CIVIL ENGINEERING DEPARTMENT

Academic Year: 1997/98

Diploma Project Number: c/825

Title: Production of drawings with the aid of a CAD package

Objectives:

- to get familiar with the CAD package used
- to produce a set of drawings with the aid of a CAD package

Terms and Conditions:

CAD Package: Microstation

Set of drawings will be given by the supervisor.

Student: CHRISTODOULOU ANDREAS (3C1)

Supervisor: Mr. M. POULAIDES

External Assessor: Mr. G. ANTONIOU

HIGHER TECHNICAL INSTITUTE | PROJECT NO. 2807

PRODUCTION OF DRAWINGS WITH THE AID OF A CAD PACKAGE

by

ANDREAS CHRISTODOULOU

Project Report Submitted to
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SUMMARY

The purpose of this project was to produce drawings with the aid of a CAD package, to understand and use as many commands as possible of what the CAD package can offer and to discuss in general the applicability of the computer to produce drawings using the CAD package.

The CAD package used to produce the drawings of this project was the Microstation 95 software. Microstation is a powerful computer-aided design software for the design/engineering professional.

Easy to learn and use, it delivers a complete set of tools for drafting, modeling, database management and visualization. Its intuitive, flexible feel helps you work the way you work best, without restrictions.

With Microstation you design the look and feel of your "computer-aided design desktop". You decide which menu selections, drawing tools and dialog boxes to include.

As we can see Microstation is a very friendly program, easy to learn and use and the only thing needed is some practice to be able to produce the drawings successfully.

I. INTRODUCTION

From the time computer aided design software came into the life of designers, draftsmen, architects, space planners, facilities managers, structural engineers, interior designers, and everyone else who designs, draws, maps, models or drafts on the computers, made their roles in the process more satisfying and helped them to create more complicated things.

One of these new software is Microstation 95 software.

Microstation 95 is a powerful computer-aided design software capable of modeling anything found in the physical world. Microstation has been used for designing, in whole or in part, everything under the sun.

Although Microstation 95 is a new software it is widely known and it has many users.

The reason for this sudden expansion of the software is that Microstation has been well established and designed the way you want to work.

Also Microstation allows you to pull-down menus, dialog boxes, and icon-based, tear-off tool boxes that are resizable, dockable and easily customizable provide clear communication between you and the software.

Microstation 95 lets you easily customize the working environment, or workspace, to suit individual, project, side organization, or discipline-specific needs and specifications Microstation 95 is the leader in progressional software for enterprise-scals engineering projects and the more you use it the more you appreciate its power and the advantages it offers, that meet the requirements of the most demanding projects.