Higher Technical Institute
CIVIL ENGINEERING DEPARTMENT

DIPLOMA PROJECT

PRODUCTION OF DRAWINGS BY MEANS OF COMPUTER AIDED DRAFTING

BY

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PRODUCTION OF DRAWINGS BY MEANS OF COMPUTER AIDED DRAFTING
(AutoCad Release 14)

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1.0. INTRODUCTION

Computer –aided drafting and design has found a place in partically every discipline that uses some form of graphics to explain a concept. Whether drawing a manufactured componed or creating a virtual reality arena, CAD is there. CAD has become indispensable in many areas: mechanical design and drafting, architectural engineering and construction, Geographical Information System (GIS) and civil engineering, and electrical / electronics. In fact, CAD's use in the mechanical area is so popular, it is used three times more than in either the architectural or electronics areas individually. This stands to reason considering the early origins of CAD in the automotive and aeronautics areas. However, great strides have been made in both architectural and electronic applications. In addition to these three, CAD is being used in such diverse areas as medical research, theater stage design, and crime research. AutoCAD serves as the core for many applications where third-party software is added for specific discipline-related tasks.