# PREFACE

- Since its inception, AutoCAD has enjoyed a very large user base, which has made it the most popular CAD software in the world. AutoCAD is widespread due to its logic and simplicity, which makes it very easy to learn. AutoCAD evolved through the years to become a comprehensive software application addressing all aspects of engineering drafting and designing.
- This book addresses all levels of AutoCAD 2D drafting, Essentials, Intermediate, and Advanced, which makes it ideal for novice users, and for those seeking to be professional power users ready for industry.
- This book is not a replacement of AutoCAD manuals, but is considered to be complementary source that includes hundreds of hands-on practices to strengthen the knowledge learned and solidify the techniques discussed.
- At the end of each chapter, the reader will find "Chapter Review Questions" which are the same sort of questions you may see in the Autodesk certification exam; so the reader is invited to solve them all. Correct answers are at the end of each chapter.
- Chapter 10 contains three projects: one is an architectural plan, presented in metric and imperial units. The other two projects are for mechanical engineering. One of them is thoroughly explained and the other is not! These two projects are also presented in both metric and imperial units.

# A<small>BOUT THE</small> C<small>OMPANION</small> F<small>ILES</small>

Included with the book is a disc which contains the following *(all of the companion files on the disc are also available for downloading from the publisher by writing to info@merclearning.com)*:

- A link to retrieve the AutoCAD 2020 trial version, which will last for 30 days starting from the day of installation. This version will help you solve all practices and projects (if you are a college/university student, you can download a student version of the software from *www.autodesk.com*)
- Practice files which will be your starting point to solve all practices in the book
- Copy the folder named "Practices" into one of the hard drives of your computer
- As for projects, you will find two folders inside, "Metric" for metric units projects, and "Imperial" for imperial units projects