

Commercial Design Using AutoCAD® 2027

Includes video instruction



Daniel John Stine
AIA, IES, CSI, CDT, Well AP



Better Textbooks. Lower Prices.
www.SDCpublications.com



ACCESS CODE
UNIQUE CODE INSIDE

Visit the following websites to learn more about this book:



[amazon.com](https://www.amazon.com)

[Google books](https://books.google.com)

[BARNES & NOBLE](https://www.barnesandnoble.com)

Table of Contents

	Page
1. Getting Started with AutoCAD 2027	
1-1 What is AutoCAD 2027?	1-1
1-2 Overview of the AutoCAD 2027 User Interface	1-3
1-3 Open, Save & Close an Existing Drawing	1-11
1-4 Creating a New Drawing	1-15
1-5 Using Zoom & Pan to View Your Drawings	1-17
1-6 Using the AutoCAD Help System	1-23
1-7 Introduction to Autodesk Drive	1-27
<i>Self-Exam & Review Questions</i>	1-33
2. Introduction: The Must Know Commands	
2-1 Drafting & Display Tools: <i>Snap, Selection Techniques</i>	2-2
2-2 Draw Commands: <i>Line, Arc, Circle, Rectangle, Ellipse, Hatch</i>	2-9
2-3 Modify – Part 1: <i>Move, Copy, Rotate, Scale, Offset, Mirror, Erase</i>	2-30
2-4 Modify – Part 2: <i>Trim, Extend, Fillet, Chamfer, Break, Array, Stretch</i>	2-46
2-5 Annotation & Layers: <i>Text, Dimensions, Distance, Layers</i>	2-63
2-6 Plotting: <i>Model Space and Paper Space Views</i>	2-83
<i>Self-Exam & Review Questions</i>	2-88
3. Library Project: Floor Plans – Part 1	
3-1 Project Overview & Standards	3-1
3-2 Structural Grid Layout and Columns	3-3
3-3 Drawing the Exterior Walls	3-18
3-4 Drawing the Interior Walls	3-28
3-5 Adding Doors and Windows	3-47
<i>Self-Exam & Review Questions</i>	3-71
4. Library Project: Floor Plans – Part 2	
4-1 Toilet Room Layout	4-2
4-2 Casework	4-12
4-3 Stairs and Elevators	4-19
4-4 Annotation: <i>Room Names and Square Footage</i>	4-37
4-5 Presentation Graphics: <i>Solid Filled Walls</i>	4-48
<i>Self-Exam & Review Questions</i>	4-55
5. Library Project: Floor Plans: Furniture, Fixtures & Equipment (FFE)	
5-1 Overview: Creating a Symbol Library	5-2
5-2 Drawing Symbols	5-7
5-3 Space Layout: <i>Offices, Study, Comp. Labs, Reading Rooms, Stacks and Break & Copy Rooms</i>	5-25
5-4 Annotation and Dimensions	5-58
<i>Self-Exam & Review Questions</i>	5-65
6. Library Project: INTERIOR ELEVATIONS	
6-1 Non-plan Layers Overview	6-2
6-2 Drawing Symbols	6-4
6-3 Creating a “Standard Mounting Height” Diagram	6-9
6-4 Drawing Elevations: <i>Toilet, Break, & Copy Rooms, Check-out Counter and Help Desk</i>	6-15
<i>Self-Exam & Review Questions</i>	6-26
7. Library Project: Details (Level: Construction Documents)	
7-1 Casework	7-2
7-2 Flooring	7-5
7-3 Miscellaneous	7-7
7-4 Spell Check	7-9
<i>Self-Exam & Review Questions</i>	7-15

8. Library Project: Schedules & Sheet Setup	
8-1 Room Finish Schedule	8-1
8-2 Sheet Setup & Management (sheet sets)	8-15
8-3 Sheet Index	8-44
<i>Self-Exam & Review Questions</i>	8-52
9. Library Project: Plotting	
9-1 Plotting: digital set	9-2
9-2 Plotting: hardcopy set	9-15
<i>Self-Exam & Review Questions</i>	9-25
Appendix A: Office CAD Standards	
A-1 Layer & Lineweight Standards	A-2
A-2 Text and Dimensions	A-10
A-3 Abbreviations	A-15

Online Content

10. INTRODUCTION TO COMPUTERS - 49 pages	
10-1 Computer Basics: Terms and Functions	
10-2 Overview of the Windows User Interface	
10-3 File Management Introduction	
<i>Self-Exam & Review Questions</i>	

Appendix B – ROOF STUDY WORKBOOK – DRAFT EDITION – 90 page PDF