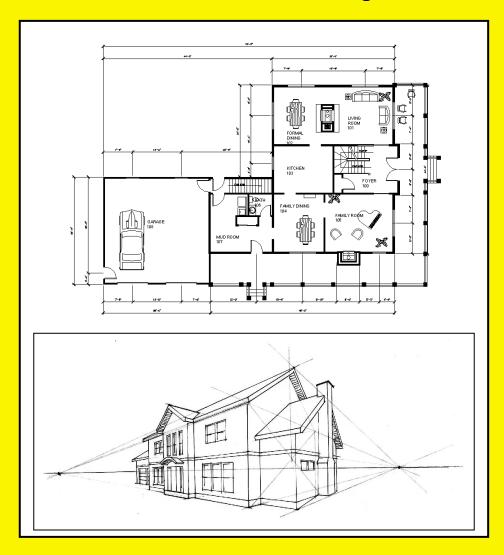
Residential Design using AutoCAD® 2009

Introduction to AutoCAD ♦ Hand Sketching ♦ Video Instruction



Daniel John Stine



Schroff Development Corporation

www.schroff.com



INSIDE:

Includes Supplemental Files and Video Instruction

Table of Contents

	INTE		etching Exercises	Page	
		Introduction (I-1		I-1	
			hing from photos (I-2)	I-7	
		Surveying and	Sketching Objects (I-3)	I-19	
		Sketching Floor	Plans (I-4)	I-23	
		Sketching Eleva	ations – two point perspective (I-5)	I-31	
		Sketching Eleva	ations – one point perspective (I-6)	I-47	
		Sketching Plans	s – one point perspective (I-7)	I-55	
1.	Gett				
	1-1	What is AutoCA		1-1	
	1-2	Overview of the	1-3		
	1-3	•	Close an Existing Drawing	1-11	
	1-4	Creating a New	1-15		
	1-5		oom to View Your Drawings	1-17	
	1-6	Using the Auto	1-23		
		Self-Exam	& Review Questions	1-28	
2.			uction (The Basics)	2.4	
	2-1	Lines and Shap	2-1		
	2-2	Object Snaps	2-16		
	2-3	Modify Tools		2-21	
	2-4			2-34	
	2-5	Printing Self-Fxam	& Review Questions	2-38 2-42	
•	Dwa	wing Architecture	Al Objects (Draw 9 Madify)		
3.	Drawing Architectural Objects (Draw & Modify) 3-1 Rectilinear Objects			3-1	
	3-1	Objects with Cu		3-9	
	3-3	Using Layers	11 VC3	3-30	
	0.0		& Review Questions	3-41	
4.	Resi				
	4-1	Walls		4-1	
	4-2	Doors		4-21	
	4-3	Windows		4-36	
	4-4	Annotation and	Dimensions	4-42	
		Self-Exam	4-53		
		Additional Task	S		
		Task 4-1	Fireplace (north)	4-54	
		Task 4-2	Main Stairway	4-59	
		Task 4-3	Secondary Stairway	4-60	
		Task 4-4	Porch	4-61	
		Task 4-5	Garage Steps	4-62	
		Task 4-6	Fireplace (south)	4-62	
5.	Residential Project: EXTERIOR ELEVATIONS				
	5-1	Elevation outline	es	5-1	
	5-2	Windows		5-18	
	5-3	Doors		5-29	
	5-4	Chimney, Railin	5-37 5-52		
		Self-Exam & Review Questions			
		Additional Task Task 5-1		5-53	
		Task 5-1		5-55 5-55	
			Print content from a web site	5-56	
			Adding Foundation lines	5-56	

6.	6-1 6-2	Building Sections Typical Wall Section Adding Annotation to the Wall Section Stair Section Self-Exam & Review Questions Additional Tasks Task 6-1 Additional Building Sections Task 6-2 Wall Section at Garage Task 6-3 Hatch Wall Sections Task 6-4 Stair Detail	Page 6-1 6-5 6-9 6-13 6-23 6-24 6-24	
7.	Resid	6-25		
	7-1 7-2 7-3 7-4	Bathroom Layout Bathroom Elevation Adding Furnishings to your Floor Plans Using Tool Palettes Self-Exam & Review Questions	7-1 7-8 7-21 7-27 7-38	
		Additional Tasks Task 7-1 Toilet Room Plan Layouts Task 7-2 Toilet Room Elevations Task 7-3 Furniture Layout	7-39 7-39 7-39	
8.	Resid	ential Project: SITE PLAN		
	8-1	Draw existing survey Add House, Driveway and Walks Layout New Contours Self-Exam & Review Questions	8-1 8-9 8-13 8-20	
		Additional Tasks Task 8-1 Add items to the Site Plan Task 8-2 Draw another grade profile Task 8-3 Update grade profile for each exterior elev.	8-21 8-21 8-21	
9.	Resid 9-1 9-2 9-3	Room Finish Schedule Sheet Setup & Management (Sheet Sets) Sheet Index Self-Exam & Review Questions Additional Tasks Task 9-1 Create Door Schedule Task 9-2 Place all your views on sheets	9-1 9-17 9-44 9-52 9-53 9-53	
		Task 9-3 Place callout bubbles on your sheets Task 9-4 Add additional raster images to your drawing	9-53 9-53	
10.	Residential Project: LINEWEIGHTS & PLOTTING			
	10-1 10-2 10-3	Lineweights Plotting: Digital Set Plotting: Hardcopy Set Self-Exam & Review Questions	10-1 10-12 10-25 10-35	
		Additional Tasks Task 10-1 Apply lineweights to all your drawings Task 10-2 Plot all your drawings full size Task 10-3 Email a DWF file	10-36 10-36 10-36	
	Appendix A – Engineering Graphics Introduction (A-1) Engineering Graphics (A-2) Orthographic Projection (A-3)			
	Index		A-11 Index-1	