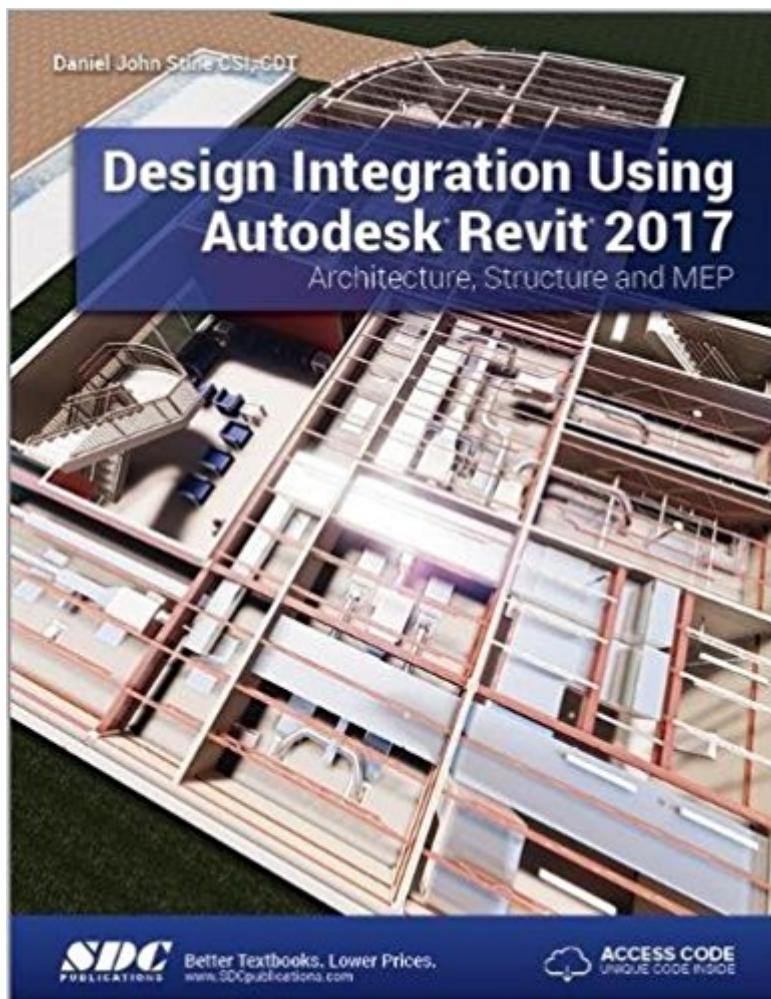


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# Design Integration Using Autodesk Revit 2017



## Synopsis

Design Integration Using Autodesk Revit 2017 is designed to provide you with a well-rounded knowledge of Autodesk Revit tools and techniques. All three disciplines of the Revit platform are introduced in this textbook. This approach gives you a broad overview of the Building Information Modeling (BIM) process. The topics cover the design integration of most of the building disciplines: Architectural, Interior Design, Structural, Mechanical, Plumbing and Electrical. Civil is not covered, but adding topography to your model is. Each book comes with access to numerous video presentations of the written material as well as bonus chapters. Throughout the book you develop a two story law office. The drawings start with the floor plans and develop all the way to photo-realistic renderings similar to the one on the cover of this book. Along the way the building's structure, ductwork, plumbing and electrical (power and lighting) are modeled. By the end, you will have a thorough knowledge of many of the Revit basics needed to be productive in a classroom or office environment. Even if you will only be working with one component of Revit in your chosen profession, this book will give you important knowledge on how the other disciplines will be doing their work and valuable insight into the overall process. The first four chapters cover many of the Revit basics needed to successfully and efficiently work with the software. Once the fundamentals are covered, the remaining chapters walk you through a building project which is started from scratch so nothing is taken for granted by you or the author. The videos cover the following:

User Interface Walls Doors and Windows Stairs Roofs Floors Ceilings Elevations Sections Schedules Renderings Design Options Sheets and Sheet Lists Worksharing Introduction Phases Sweeps and Reveals Revit Structure MEP - Mechanical MEP - Electrical Table of Contents 1. Getting Started with Revit 2017 2. Quick Start: Small Office 3. Revit Basics: Overview of Linework and Modify Tools 4. Revit Basics: Drawing 2D Architectural Content 5. Floor Plans 6. Roof, Floors and Ceilings 7. Structural System 8. Elevations, Sections and Details 9. Interior Design 10. Schedules 11. Mechanical System 12. Electrical System 13. Site and Renderings 14. Construction Documents Set 15. Revit Families: Introduction to Revit Content Creation 16. Introduction to Phasing and Worksharing 17. Vertical Circulation 18. Annotations Bonus Chapters 19. Introduction to Computers for CAD/BIM Users Appendix A: Autodesk Revit Architecture Certification Exam Appendix B: Finding Missing Elements in Revit Appendix C: Roof Study Workbook Appendix D: Rooms and Spaces; Revit's Unbuilt Elements Appendix E: Lighting Design in Revit using ElumTools Appendix F: Introduction to working with 3D PDF Appendix S: Introduction to Autodesk Showcase

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## Customer Reviews

Fantastic book. The accompanied video is good enough and then with the well written text book, successful learning is very well guaranteed. I highly recommend this book. I could have given it 10 stars, but we only have 5 stars. Thanks so much Mr. Daniel Stine for your work on this book.

Very Comprehensive and detailed

Bought for College Class. Excellent!

Excellent

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