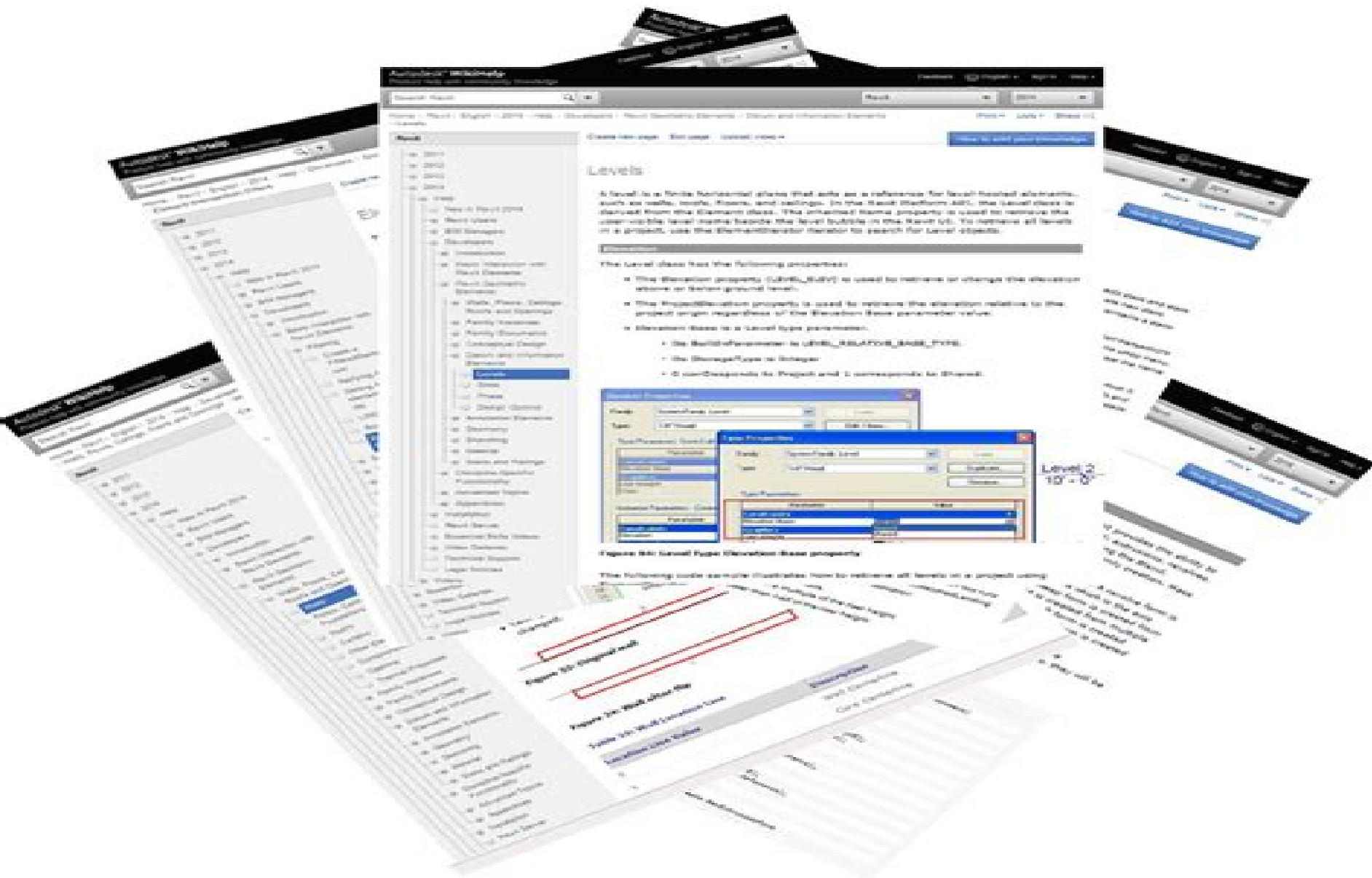
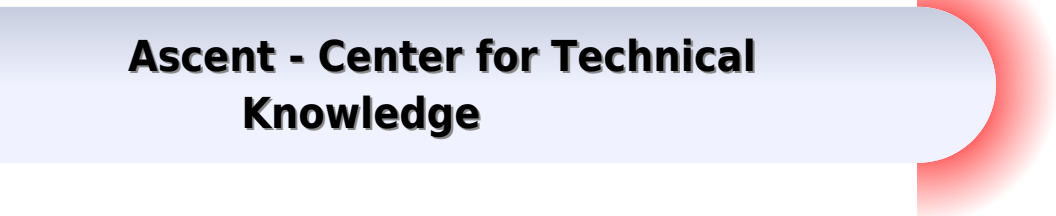


## Developers Guidelines



# Revit 2014 User Guide

**Ascent - Center for Technical  
Knowledge**



## **Revit 2014 User Guide:**

Residential Design Using Autodesk Revit 2014 Daniel John Stine, 2013-04-24 Residential Design Using Autodesk Revit 2014 is designed for the architectural student new to Autodesk Revit 2014 This text takes a project based approach to learning Autodesk Revit's architectural tools in which the student develops a single family residence all the way to photo realistic renderings like the one on the cover Each book comes with a CD containing numerous video presentations in which the author shows and explains the many architectural tools and techniques used in Autodesk Revit 2014 This book starts with an optional basic introduction to hand sketching techniques and concepts intended to increase your ability to sketch design ideas by hand and to think three dimensionally The lessons then begin with an introduction to Autodesk Revit 2014 The first four chapters are intended to get the reader familiar with the user interface and many of the common menus and tools Throughout the rest of the book a residential building is created and the many tools and features of Autodesk Revit 2014 are covered in greater detail Using step by step tutorial lessons the residential project is followed through to create elevations sections floor plans renderings construction sets etc

*Interior Design Using Autodesk Revit 2014* Daniel John Stine, Aaron Hansen, 2013-06-10 The intent of this book is to provide the interior design student a well rounded knowledge of Autodesk Revit tools and techniques These skills can then be applied to enhance professional development in both academia and industry The overall premise of the book is to learn Revit while developing the interior of a two story law office The reader is provided an architectural model with established columns beams exterior walls minimal interior walls and roofs in which to work This allows more emphasis to be placed on interior design rather than primary architectural elements The chapters chronology generally follows the typical design process Students will find this book helps them more accurately and efficiently develop their design ideas and skills The first chapter introduces the reader to Revit Building Information Modeling BIM and the basics of opening saving and creating a new project The second provides a quick introduction to modeling basic elements in Revit including walls doors windows and more This chapter is designed to show students how powerful Revit is and hopefully make them more excited about learning it The remainder of the book is spent developing the interior space of the law office with an established space program A student will learn how to view and navigate within the provided 3D architectural model managing and creating materials and develop spaces with walls doors and windows Once all the spaces are added to the model several areas are explored and used as the basis to cover Revit commands and workflows At the end of this tutorial the reader will be able to model floor finishes ceilings with soffits casework custom reception desk restrooms furniture and light fixtures Additional features such as tags schedules and photo realistic rendering will be covered

**Design Integration Using Autodesk Revit 2014** Daniel John Stine, 2013 Design Integration Using Autodesk Revit 2014 is designed to provide the reader with a well rounded knowledge of Autodesk Revit tools and techniques All three flavors of the Revit platform are introduced in this textbook This approach gives the reader 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 a CD containing numerous video presentations of the written material Throughout the book the student develops 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 the reader will have 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 As an instructor the author understands that many students in a classroom setting have varying degrees of computer experience To help level the playing field the first chapter is devoted to an introduction to computers Much of the basics are covered from computer hardware and software to file management procedures including step by step instructions on using a flash drive Chapters 2 through 5 cover many of the Revit basics needed to successfully and efficiently work in the software Once the fundamentals are covered the remaining chapters walk the reader through a building project which is started from scratch so nothing is taken for granted by the reader or the author

**Architectural Commercial Design Using Autodesk Revit 2014** Daniel John Stine, 2013 Architectural Commercial Design Using Revit 2014 is designed for the architectural student using Revit 2014 The intent is to provide the student with a well rounded knowledge of tools and techniques for use in both school and industry This text takes a project based approach to learning Revit s Architectural tools in which the student develops a three story office building Each book comes with a CD containing numerous video presentations of the written material General building codes and industry standard conventions are covered in a way that is applicable to the current exercise The first two chapters are intended to get the reader familiar with the user interface and many of the common menus and tools of Revit 2014 A small office is created in chapter two to show just how easy it is to get started using Revit By the end of chapter two the student will be excited and prepared to take on a much larger project Throughout the rest of the book the student develops a three story office building The drawings start with the floor plans and develop all the way to photo realistic renderings like the one on the cover of this book In these chapters many of the architectural tools and features of Revit 2014 are covered in greater detail

**Mastering Autodesk Revit Architecture 2014** James Vandezande, Eddy Krygiel, Phil Read, 2013-05-15 Learn Revit Architecture with expert instruction from this Autodesk Official Press guide The new edition of this bestselling Revit book is the most useful and approachable Mastering Revit Architecture yet Thoroughly revised and updated this comprehensive guide to Autodesk s industry leading building information modeling BIM software features in depth explanations real world examples and practical tutorials help you grasp crucial tools techniques and concepts so you can quickly start doing real work in Revit You will learn core BIM

concepts and best practices for everything from putting together impressive building designs to producing solid documentation creating visualizations that impress clients and more Hands on exercises with downloadable before and after files provide plenty of opportunities to practice the real world scenarios and hone all the crucial Revit skills Explains the user interface general concepts best practices and new features of Revit 2014 Teaches modeling massing and visualization with Revit Helps users develop extended modeling skills for walls stairs floors and more Features detailed documentation and presentation techniques Provides detailed instruction step by step tutorials and numerous examples Includes downloadable starting and ending files and additional advanced content Offers information to help readers prepare for Autodesk s certification exams This detailed reference and tutorial is the perfect resource for becoming an expert with Autodesk s powerful BIM software

**Autodesk AutoCAD 2022 User Guide** Serdar Hakan DÜZGÖREN, Trace What s New in 2022 Trace provides a safe space to collaborate on drawing changes in the AutoCAD web and mobile apps without fear of altering the existing drawing The analogy of trace is a virtual collaborative tracing paper that s laid over the drawing allowing collaborators to add feedback right in the drawing Create traces in the web and mobile apps then send or share the drawing to collaborators so they can view the trace and its contents

**Autodesk Revit Architecture 2014 Essentials** Ryan Duell,Tobias Hathorn,Tessa Reist Hathorn,2013-04-10 Quickly learn essential Revit Architecture tools and techniques Autodesk Revit Architecture is the powerful sophisticated building information modeling BIM software that has transformed the architectural design industry This Autodesk Official Press guide is the perfect introduction to the powerful software for architects designers and students Three Revit experts provide concise explanations real world examples and plenty of hands on exercises and tutorials You ll soon master the basics and then find yourself using the software confidently productively and effectively Beginners will get comfortable with Revit s core features and functions Current users will have a valuable reference to refresh and hone their skills And everyone can use this practical book to help prepare for the Revit Architecture certification exams Gets readers up and running on Autodesk Revit Architecture 2014 Autodesk s industry leading building information modeling software Explains core Revit tools features functionality real world workflows and BIM concepts Covers schematic design modeling families views creating drawing sets and more Features best practices rendering and visualization worksharing documentation and annotation Provides downloadable starting and ending files so readers can compare their work to that of the pro s Autodesk Revit Architecture 2014 Essentials is your perfect introduction toto the powerful industry leading BIM software

**Human Aspects of IT for the Aged Population. Healthy and Active Aging** Jia Zhou,Gavriel Salvendy,2016-07-04 The two LNCS volume set 9754 9755 constitutes the refereed proceedings of the Second International Conference on Human Aspects of IT for the Aged Population ITAP 2016 held as part of the 18th International Conference on Human Computer Interaction HCII 2016 held in Toronto ON Canada in July 2016 jointly with 14 other thematically conferences The total of 1287 papers and 186 poster papers presented at the HCII 2016 conferences were

carefully reviewed and selected from 4354 submissions LNCS 9754 Design for Aging Part I addresses the following major topics designing for and with the elderly technology use and acceptance by older users psychological and cognitive aspects of interaction and aging mobile and wearable technologies for the elderly LNCS 9755 Healthy and Active Aging Part II addresses these major topics smart and assistive environments aging and social media aging learning training and games and aging mobility and driving

**Autodesk Inventor 2015 Update for 2013/2014 Users** Ascent - Center for Technical Knowledge,2014-04-24 The Autodesk R Inventor R 2015 Update for 2013 2014 Users training guide introduces the new concepts and solid modeling techniques that have been added to both the Autodesk Inventor 2014 and Autodesk Inventor 2015 software The training guide covers enhancements to the most commonly used environments and contains practices for practicing the new concepts The major topics covered include Interface Enhancements Sketching Enhancements Part Modeling Enhancements Assembly Enhancements Drawing Enhancements Sheet Metal Enhancements The training guide begins with changes to the overall interface and enhancements that cover global settings and import export support The second chapter covers the sketch environment and contains many topics that have been added to ease sketch creation and how you work and control constraint settings A number of enhancements have also been added to existing and new part modeling tools These changes are covered in Chapter 3 In addition to changes made to existing features such as fillets sweeps threads and iParts new workflows for simplifying models attaching point cloud data and using direct edit to make changes to a model are also covered Chapters 4 and 5 cover all of the changes to the assembly environment These include changes to component placement setting up relationships using Constraints and Joints and assembly simplification tools Additional assembly enhancements to section and design views and the new ability to reuse frame members are also covered The final chapter in the training guide covers the drawing environment The topics discussed are divided so that all of the view and annotation enhancements are covered The training guide appendices introduce the Freeform part modeling workflow as a non parametric design methodology and the changes made in the Sheet Metal environment Prerequisites This training guide assumes knowledge of the Autodesk Inventor 2013 or 2014 software Students should know how to create and edit parts create assemblies and set up drawing files to create and annotate drawing views

Claims, Disputes and Litigation Involving BIM Jason Dougherty,2015-06-12 Are you unsure about the current US legal environment with respect to BIM and VDC the evolving standards of care for design and construction professionals using BIM and VDC what practical methods and techniques can be used for analyzing construction claims and disputes involving BIM technologies and VDC processes Building Information Modeling BIM technologies and Virtual Design and Construction VDC processes are aggressively and fundamentally changing the design construction and operation of buildings Supporters of BIM have highlighted the potential these technologies have to reduce the need for claims disputes and litigation but evidence from several early sources shows they are not universally successful in this This timely and unique book provides crucial new

methods for analyzing construction disputes in this emerging AEC technological landscape It explains how BIM VDC has significantly altered the production and delivery of construction drawings quantity surveys and schedules and how these changes might impact construction disputes The findings and advice in this book are indispensable to any stakeholder in a construction project using BIM It will help Contractors Cost Managers Architects Building Designers Quantity Surveyors and Project Managers to navigate and understand their responsibilities and exposure to risk when working with this new technology

**Autodesk Inventor Professional 2020 for Designers, 20th Edition** Prof. Sham Tickoo, 2019 Autodesk Inventor Professional 2020 for Designers is a comprehensive book that introduces the users to Autodesk Inventor 2020 a feature based 3D parametric solid modeling software All environments of this solid modelling software are covered in this book with a thorough explanation of commands options and their applications to create real world products The mechanical engineering industry examples that are used as tutorials and the related additional exercises at the end of each chapter help the users to understand the design techniques used in the industry to design a product Additionally the author emphasizes on the solid modelling techniques that will improve the productivity and efficiency of the users After reading this book the users will be able to create solid parts sheet metal parts assemblies weldments drawing views with bill of materials presentation views to animate the assemblies and apply direct modelling techniques to facilitate rapid design prototyping Also the users will learn the editing techniques that are essential for making a successful design Salient Features Comprehensive book consisting of 19 chapters organized in a pedagogical sequence Detailed explanation of all concepts techniques commands and tools of Autodesk Inventor Professional 2020 Tutorial approach to explain the concepts Step by step instructions that guide the users through the learning process More than 54 real world mechanical engineering designs as tutorials and projects Self Evaluation Test Review Questions and Exercises are given at the end of the chapters so that the users can assess their knowledge Technical support by contacting techsupport cadcim com Table of Contents Chapter 1 Introduction Chapter 2 Drawing Sketches for Solid Models Chapter 3 Adding Constraints and Dimensions to Sketches Chapter 4 Editing Extruding and Revolving the Sketches Chapter 5 Other Sketching and Modeling Options Chapter 6 Advanced Modeling Tools I Chapter 7 Editing Features and Adding Automatic Dimensions to Sketches Chapter 8 Advanced Modeling Tools II Chapter 9 Assembly Modeling I Chapter 10 Assembly Modeling II Chapter 11 Working with Drawing Views I Chapter 12 Working with Drawing Views II Chapter 13 Presentation Module Chapter 14 Working with Sheet Metal Components Chapter 15 Introduction to Stress Analysis Chapter 16 Introduction to Weldments For free download Chapter 17 Miscellaneous Tools For free download Chapter 18 Working with Special Design Tools For free download Chapter 19 Introduction to Plastic Mold Design For free download Index

**Landscape Architecture Documentation Standards** Design Workshop, 2015-10-26 SUPERB EXECUTION RELIES UPON RIGOROUS PROJECT DOCUMENTATION A project will only be built as well as it is documented This publication focuses on the key documentation needs of the landscape architectural design and construction

documentation process That includes both design documentation and construction documentation as well as all that which occurs in the transition from one phase to the other Documentation requirements include those components necessary to explore and define design intent logic physical proposals and ultimately the specific components included within construction and bid documents Discover how proper documentation facilitates every stage of the design process from pre planning to construction and leads to a highly resolved built outcome Understand the principles behind these documentation practices Implement best practices specific to each documentation phase and drawing from title block and cover sheet design to soil plans and plant protection Organize keynoting systems cross referencing and interdisciplinary coordination amongst multiple consultants and vendors Study sample project documents from a leading landscape architecture firm to better understand the elements and benefits of complete and well coordinated project documentation These standards have been time tested by over 150 designers at the industry leading landscape architecture firm Design Workshop reflecting a range of project types including parks streetscapes urban spaces and over structure construction This guide shares the methods behind the success to facilitate exceptional built outcomes through principled documentation practices Building Information Modeling

Nawari O. Nawari, Michael Kuenstle, 2015-04-21 This book focuses on how engineers and architects can benefit from new frameworks and technologies by reviewing the building information management BIM concept discussing how BIM will affect education and practice evaluating current BIM technology exploring critical issues for best practices in BIM environments and reviewing fundamentals of architectural and structural analysis under the new framework The book provides professionals and students with the necessary knowledge and tools to assist them in understanding architectural structures and utilizing BIM to offer practical design solutions **Exploring Autodesk Revit MEP 2017, 4th Edition** Prof. Sham Tickoo, 2016-02-22 Exploring Autodesk Revit 2017 for MEP book covers the detailed description of all basic and advanced concepts as well as the usage of the tools and commands of Autodesk Revit 2017 It explores the processes involved in Building Information Modeling The topics covered in this book range from creating building components HVAC system electrical system plumbing system and Fire protection system to designing conceptual massing performing HVAC heating and loading analysis and creating rich construction documentation In this book special emphasis has been laid on the concepts of space modeling and tools to create systems for all disciplines MEP Each concept in this book is explained using the detailed description and relevant graphical examples and illustrations The accompanying tutorials and exercises which relate to the real world projects help you understand the usage and abilities of the tools available in Autodesk Revit 2017 In addition the chapters in this book are punctuated with tips and notes to make the concepts clear thereby enabling the readers to create their own innovative projects Salient Features Covers advanced functions such as worksharing families and system creations Covers topics such as how to create a building envelope spaces and zones HVAC system electrical system fire fighting system and plumbing system Provides step by step explanation that guides the users through the learning

process Effectively communicates the utility of Revit MEP 2017 Self Evaluation Test and Review Questions at the end of chapters for reviewing the concepts learned in the chapters Table of Contents Chapter 1 Introduction to Autodesk Revit 2017 for MEP Chapter 2 Getting Started with an MEP Project Chapter 3 Creating Building Envelopes Chapter 4 Creating Spaces and Zones and Performing Load Analysis Chapter 5 Creating an HVAC System Chapter 6 Creating an Electrical System Chapter 7 Creating Plumbing Systems Chapter 8 Creating Fire Protection Systems Chapter 9 Creating Construction Documents Chapter 10 Creating Families and Worksharing Index      Exploring Autodesk Revit 2019 for Architecture, 15th Edition Prof. Sham Tickoo, Exploring Autodesk Revit 2019 for Architecture is a comprehensive book that has been written to cater to the needs of the students and the professionals who are involved in the AEC profession Revit 2019 book is a gateway to power skill and competence in the field of architecture and interior presentations drawings and documentations In this book the author has emphasized on the concept of designing creating families quantity surveying and material takeoff rendering orthographic and perspective views of building usage of other advanced tools In this book the chapters have been punctuated with tips and notes that provide additional information on the concept The highlight of Revit 2019 book is that each concept introduced in it is explained with the help of suitable examples for better understanding The simple and lucid language used in Revit 2019 book makes it a ready reference for both beginners and intermediate users Salient Features Comprehensive book consisting of 886 800 86 pages of heavily illustrated text Detailed explanation of the commands and tools of Autodesk Revit used for Architecture Real world architectural and interior designing projects as tutorials Tips and Notes throughout the textbook for providing additional information Self Evaluation Tests Review Questions and Exercises at the end of the chapters Student project for practice Table of Contents Chapter 1 Introduction to Autodesk Revit 2019 for Architecture Chapter 2 Starting an Architectural Project Chapter 3 Creating Walls Chapter 4 Using Basic Building Components I Chapter 5 Using the Editing Tools Chapter 6 Working with Datum and Creating Standard Views Chapter 7 Using Basic Building Components II Chapter 8 Using Basic Building Components III Chapter 9 Adding Site Features Chapter 10 Using Massing Tools Chapter 11 Adding Annotations and Dimensions Chapter 12 Creating Project Details and Schedules Chapter 13 Creating and Plotting Drawing Sheets Chapter 14 Creating 3D Views Chapter 15 Rendering Views and Creating Walkthroughs Chapter 16 Using Advanced Features For free download Student Project Index      **Exploring Autodesk Revit 2018 for Structure, 8th Edition** Prof. Sham Tickoo, 2017-09-01 Exploring Autodesk Revit 2018 for Structure is a comprehensive book that has been written to cater to the needs of the students and the professionals who are involved in the AEC profession This book enables the users to harness the power of BIM with Autodesk Revit 2018 for Structure for their specific use In this book the author emphasizes on physical modeling analytical modeling rebar modeling and quantity scheduling Also Revit 2018 for Structure book covers the description of various stages involved in analyzing the model in Robot Structural Analysis software This book is specially meant for professionals and students in structural engineering civil

engineering and allied fields in the building industry In this book along with the main text the chapters have been punctuated with tips and notes to give additional information on the concept thereby enabling you to create your own innovative project

**Salient Features** Detailed explanation of structural tools of Autodesk Revit Real world structural projects given as tutorials Tips and Notes throughout the book 546 pages of heavily illustrated text Self Evaluation Tests Review Questions and Exercises at the end of each chapter Table of Contents Chapter 1 Introduction to Autodesk Revit 2018 for Structure Chapter 2 Getting Started with a Structural Project Chapter 3 Setting up a Structural Project Chapter 4 Structural Columns and Walls Chapter 5 Foundations Beams Floors and Open Web Joists Chapter 6 Editing Tools Chapter 7 Documenting Models and Creating Families Chapter 8 Standard Views Details and Schedules Chapter 9 3D Views Sheets Analysis Reinforcements Chapter 10 Linking Revit Model with Robot Structural Analysis Student Project Index

**Exploring Autodesk Revit 2019 for MEP, 6th Edition** Prof. Sham Tickoo, 2018 Exploring Autodesk Revit 2019 for MEP textbook covers the detailed description of all basic and advanced workflows and tools to accomplish an MEPF Mechanical Electrical Plumbing and Fire Fighting project in a BIM environment It explores the processes involved in Building Information Modeling The topics covered in this textbook range from creating building components HVAC system electrical system plumbing system and Fire protection system to designing conceptual massing performing HVAC heating and loading analysis and creating rich construction documentation

**Salient Features** Comprehensive textbook that covers all major Revit MEP tools and concepts Coverage of advanced concepts such as worksharing families and system creation Detailed description on building envelope spaces and zones HVAC system electrical system fire fighting system and plumbing system Step by step explanation that guides the users through the learning process Effectively communicates the utility of Revit 2019 for MEP Self Evaluation Test and Review Questions at the end of chapters for self assessment Table of Contents Chapter 1 Introduction to Autodesk Revit 2019 for MEP Chapter 2 Getting Started with an MEP Project Chapter 3 Creating Building Envelopes Chapter 4 Creating Spaces and Zones and Performing Load Analysis Chapter 5 Creating an HVAC System Chapter 6 Creating an Electrical System Chapter 7 Creating Plumbing Systems Chapter 8 Creating Fire Protection System Chapter 9 Creating Construction Documents Chapter 10 Creating Families and Worksharing Index

**Learning SOLIDWORKS 2019: A Project Based Approach, 3rd Edition** Prof. Sham Tickoo, 2019-10-22 Learning SOLIDWORKS 2019 A Project Based Approach book introduces the readers to SOLIDWORKS 2019 the world's leading parametric solid modeling package In this book the author has adopted a project based approach to explain the fundamental concepts of SOLIDWORKS This unique approach has been used to explain the creation of parts assemblies and drawings of a real world model The Learning SOLIDWORKS 2019 book will provide the users a sound and practical knowledge of the software while creating a motor cycle as the real world model This knowledge will guide the users to create their own projects in an easy and effective manner

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covered in the chapter Real world mechanical engineering problems used as tutorials and projects with step by step explanation Additional information throughout the book in the form of notes and tips Self Evaluation Tests and Review Questions at the end of each chapter to help the users assess their knowledge Table of Contents Chapter 1 Introduction to SOLIDWORKS 2019 Chapter 2 Creating Front Axle Rear Axle and Disc Plate Chapter 3 Creating Rim Front Tire and Rear Tire Chapter 4 Creating Caliper Piston Pad and Body Chapter 5 Creating Fork Tube Holder and Bodies Chapter 6 Creating Handlebar and Handle Holders Chapter 7 Creating Muffler Clamp Swing Arm and Headlight Clamp Chapter 8 Creating Shock Absorber and Engine Parts Chapter 9 Creating Mudguard Fuel Tank Headlight Mask and Seat Cover Chapter 10 Creating Weldment Structural Frame and Seat frame Chapter 11 Creating Motorcycle Assembly Chapter 12 Generating Drawing Views Index

**Interior Design Using Autodesk Revit 2015** Daniel John Stine, 2014 The intent of this book is to provide the interior design student a well rounded knowledge of Autodesk Revit tools and techniques These skills can then be applied to enhance professional development in both academia and industry The overall premise of the book is to learn Revit while developing the interior of a two story law office The reader is provided an architectural model with established columns beams exterior walls minimal interior walls and roofs in which to work This allows more emphasis to be placed on interior design rather than primary architectural elements The chapters chronology generally follows the typical design process Students will find this book helps them more accurately and efficiently develop their design ideas and skills The first chapter introduces the reader to Revit Building Information Modeling BIM and the basics of opening saving and creating a new project The second provides a quick introduction to modeling basic elements in Revit including walls doors windows and more This chapter is designed to show students how powerful Revit is and hopefully make them more excited about learning it The remainder of the book is spent developing the interior space of the law office with an established space program A student will learn how to view and navigate within the provided 3D architectural model managing and creating materials and develop spaces with walls doors and windows Once all the spaces are added to the model several areas are explored and used as the basis to cover Revit commands and workflows At the end of this tutorial the reader will be able to model floor finishes ceilings with soffits casework custom reception desk restrooms furniture and light fixtures Additional features such as tags schedules and photo realistic rendering will be covered

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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 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.

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