

Autodesk® Revit® Families! Step-by-Step Advanced Concepts

Paul F. Aubin
Paul F. Aubin Consulting Services

AB2083-L The power and potential of the Autodesk Revit Family Editor is vast, and 90 minutes just doesn't do it justice. Diving into the basics, this hands-on lab jumps right into the deep end of the pool (if you need to brush up on the basics, video recordings of many Family Editor topics are posted on my website for all attendees). In this lab, we will explore advanced parameters and the use of formulas to drive the geometry. Whether you are new to the Family Editor or just want to use its more advanced features, this lab will give you the tools to begin making more advanced family content. We will explore formulas, family type parameters, materials, and even details in some engineering functions. We are sure to buckle your seat belt. You are in for an exciting ride!

Learning Objectives

At the end of this class, you will be able to:

- Create advanced family templates such as form-based
- Use formulas to drive parametric values
- Use mathematical relationships instead of geometry to control behavior
- Control nested families with family type parameters

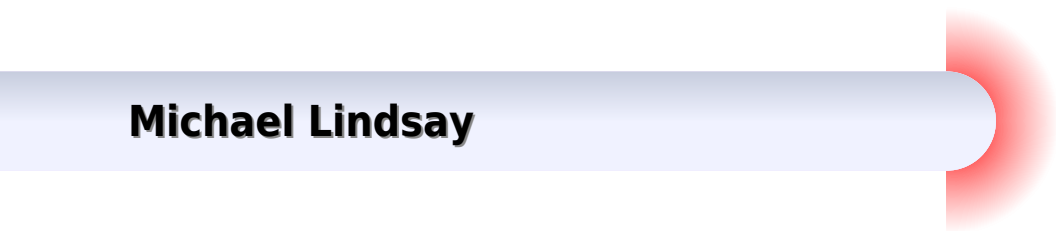
About the Speaker

Paul F. Aubin is the author of many CAD and BIM book titles including the widely acclaimed The Aubin Academy Mastering Series: Revit Architecture, AutoCAD Architecture, AutoCAD MEP and Revit MEP titles. Paul has also authored several video training courses for lynda.com (www.lynda.com/paulaubin). Paul is an independent architectural consultant who travels internationally providing Revit® Architecture and AutoCAD® Architecture implementation, training, and support services. Paul's involvement in the architectural profession spans over 20 years, with experience that includes design, production, CAD management, mentoring, coaching and training. He is an active member of the Autodesk user community, and has been a top-rated speaker at Autodesk University (Autodesk's annual user convention) for many years. Paul has also received high ratings at the Revit Technology Conference (RTC) in both the US and Australia and he spoke at the inaugural Central States Revit Workshop this year. His decades experience in architectural firms, as a CAD manager, and as an educator gives his writing and his classroom instruction a fresh and credible focus. Paul is an associate member of the American Institute of Architects. He lives in Chicago with his wife and three children.

Contact me directly from the contact form at my website: www.paulaubin.com

Autodesk Revit Families Step By Step Advanced Concepts

Michael Lindsay



Autodesk Revit Families Step By Step Advanced Concepts:

Mastering Autodesk Revit Architecture 2012 James Vandezande, Phil Read, Eddy Krygiel, 2011-05-12 Complete and thorough update to this Autodesk Official Training Guide With pages of focused discussions detailed exercises in depth coverage and compelling examples this comprehensive guide shows you how to implement and use Revit Architecture with spectacular results You ll learn how use the interface how to create fantastic building designs with Revit how to produce solid documentation even how to go direct to fabrication with Revit An Autodesk Official Training Guide this thorough reference and tutorial also helps you prepare for Autodesk s Certified Associate and Certified Professional exams Gets you quickly productive with Revit Architecture s features and functions Shows you how to document detail annotate and present your designs Helps you improve workflows with worksharing and collaboration Prepares you for the Revit Architecture 2011 Certified Associate and Certified Professional Exams Gives contractors the essentials of modeling Explores using Revit for film and stage Mastering Autodesk Revit Architecture is the ultimate real world reference on this exciting software

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 2018 for MEP, 5th Edition Prof. Sham Tickoo, 2017-09-03 Exploring Autodesk Revit 2018 for MEP book 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 The book 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 2018 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 2018 for MEP 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 2018 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 **Mastering Autodesk Revit Architecture 2013** Phil Read,James Vandezande,Eddy

Krygiel,2012-07-03 Learn BIM the Revit Way Revit is Autodesk s industry leading Building Information Modeling BIM software and this Autodesk Official Training Guide thoroughly covers core Revit topics such as modeling massing sustainability and more It also brings you up to speed on advanced techniques such as using Revit in the cloud and how to go direct to fabrication Organized by real world workflows this book covers the interface templates worksharing modeling and massing visualization techniques for different industries sustainability roofs and floors stairs and railings documentation and much more This Autodesk Official Training Guide teaches you how to use the leading BIM software and also serves as a study aid for Autodesk s Certified Associate and Certified Professional exams Organized according to actual workflows the book begins with an explanation of key BIM concepts familiarizes you with the interface and then moves into actual application Covers modeling and massing the Family Editor visualization techniques for various industries documentation annotation and detailing and how to work with complex walls roofs floors stairs and railings Companion website features before and after tutorial files so readers can jump in at any point Mastering Autodesk Revit Architecture helps you learn Revit in a context that makes real world sense Autodesk® Revit® Architecture 2010 in Practice Kogent Inc,2009-11-19 Autodesk Revit

Architecture software provides building information modeling BIM data that allows you to design buildings with modeling and drafting elements This book provides basic step by step instructions for getting started and using the Revit Architecture software or for refreshing your Revit skill It covers only the basics to illustrate the myriad 2D 3D drawing and editing functions for this popular yet complex application AutoDesk Revit Architecture 2010 in Practice demonstrates how to design small buildings from concept through actual plotting The accompanying DVD includes all the drawing lessons in the text the ability to view third party software applications all of the book s figures in color and a trial version of Revit 2010 This comprehensive introduction will help you navigate this multifaceted software with ease Mastering Autodesk Revit MEP 2016 Simon Whitbread,2015-09-01 Get up and running on Autodesk Revit MEP 2016 with this detailed hands on guide Mastering Autodesk Revit MEP 2016 provides perfectly paced coverage of all core concepts and functionality with tips tricks and hands on exercises that help you optimize productivity With a focus on real world uses and workflows this detailed reference explains Revit MEP tools and functionality in the context of professional design and provides the practical insight that can only come from years of experience Coverage includes project setup work sharing building loads ductwork electrical and plumbing and much more with clear explanation every step of the way The companion website features downloadable tutorials that reinforce the material presented allowing you to jump in at any point and compare your work to the pros This is your guide to master the capabilities of this essential productivity enhancing tool Generate schedules that show quantities materials design dependencies and more Evaluate building loads and design logical air water and fire protection systems Create comprehensive electrical and plumbing plans tailored to the project Model your design with custom parameters symbols fixtures devices and more If you re ready to get on board this emerging design collaboration and documentation paradigm Mastering Autodesk Revit MEP 2016 is the one stop resource you need **Exploring Autodesk Revit 2021 for Architecture, 17th Edition** Prof. Sham Tickoo,2020-08-09 Exploring Autodesk Revit 2021 for Architecture is a comprehensive book written to cater to the needs of the students and the professionals who are involved in Building Information Modeling BIM Profession Revit 2021 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 massing documentation rendering orthographic and perspective views of building usage of other advanced tools In addition Revit 2021 for Architecture book covers the description of various stages involved in rendering the model in Enscape plug in In this book the chapters have been punctuated with tips and notes that provide additional information on the concept The highlight of Revit 2021 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 2021 book makes it a ready reference for both beginners and intermediate users Also the book covers enhancements and new features in Revit 2020 This book is also an ideal guide for students who are appearing for Autodesk Revit Certified Professional and Revit Certified User Exams

especially for Architecture This book can also be used as a guide for students and professionals who are planning to make their career in BIM industry through learning of Revit Salient Features Detailed explanation of architectural tools of Autodesk Revit Heavily illustrated text Introduction to Enscape Rendering Real world structural projects given as tutorials Tips and Notes throughout the book 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 2021 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 Plane 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 Student Project Index For Free Download

Mastering Autodesk Revit Architecture 2015 Eddy Krygiel, James Vandezande, 2014-05-19 The Ultimate Guide to Autodesk Revit Architecture 2015 Responding to reader and instructor feedback the expert author team updated and refreshed the book's content to make it even more useful complete and approachable Mastering Revit Architecture is organized by real world workflows and features detailed explanations interesting real world examples and practical tutorials to help readers understand Revit and BIM concepts so that they can quickly start accomplishing vital Revit tasks Part I discusses key BIM and Revit concepts before giving readers a hands on look at the Revit interface Part II explores today's Revit workflows and introduces readers to templates worksharing and managing Revit projects Part III dives into modeling and massing and offers detailed information on the crucial Family Editor as well as visualization techniques for various industries Part IV covers documentation including annotation and detailing and explains how to work with complex walls roofs and floors as well as curtain walls and advanced stair and railings The companion website features before and after tutorial files metric and Imperial sets additional advanced content and an hour of video on crucial techniques Whether you are a beginner or an advanced Revit user this book offers the detailed instruction you need to get the most out of this powerful software product

Introducing Autodesk Revit Architecture 2012 Patrick Davis, 2011-07-05 A fast focused introduction to Revit functions tools and concepts As the leading Building Information Modeling software package Revit is praised for its ease of use power and sophistication Authored by a high profile team of Revit professionals this reference and tutorial quickly has readers building skills to an intermediate level by exploring Revit tools and tasks putting parametric modeling to use detailing the basics of views and constraints and working with detailing massing rendering interior design and more Based on real world workflows and projects this book shows you readers how to model document present and share designs using Revit just the way the pros do Discussions and workflows are reinforced with tutorials drawn from the authors extensive experience and a beautiful 16 page color insert focuses on

real world Revit projects Helps novice to intermediate level users learn Revit and its functions tools and concepts easily and efficiently Contains straightforward explanations real world examples beautiful illustrations and practical tutorials that focus intently on accomplishing vital Revit tasks Features in depth discussions reinforced by comprehensive step by step exercises that show you how to model document present and share your designs Includes a beautiful 16 page color insert with inspirational and instructional images drawn from the authors professional experience This book is the perfect resource for readers of all skill levels who want to quickly accomplish crucial Revit tasks

Introducing Autodesk Revit Architecture 2011 Patrick Davis,Charlie Busa,Beau Turner,Stephen Stafford,2010-09-16 Revit all stars present a fast focused introduction to Revit functions tools and concepts Hailed for its ease of use power and sophistication Revit is the industry leading Building Information Modeling BIM software package Introducing Revit Architecture provides a thorough overview of Revit s concepts interface conventions tools and tasks In depth discussions reinforced by comprehensive step by step exercises detail how to model document present and share designs Written by expert authors all architects with years of Revit experience Introducing Revit Architecture is the perfect resource for readers of all skill levels who want to quickly accomplish crucial Revit tasks Practical exercises on core Revit features enable new users to quickly get up to speed A 16 page color insert focusing on real world Revit uses drawn from the team s experience and industry contacts Straightforward explanations real world examples beautiful illustrations and practical tutorials focus squarely on accomplishing vital Revit tasks Introducing Revit Architecture helps professionals and students to easily and efficiently learn the basics of Revit and BIM

Exploring Autodesk Revit 2020 for Structure, 10th Edition Prof. Sham Tickoo,2019-10-05 Exploring Autodesk Revit 2020 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 2020 for Structure for their specific use In this book the author emphasizes on physical modeling analytical modeling rebar modeling steel element cutting tools structural steel connections and quantity scheduling Also Revit 2020 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 Notes throughout the book 560 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 2020 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 and Reinforcements Chapter 10 Linking Revit Model with Robot Structural Analysis Student Project Free Download Index Autodesk Revit for Architecture Certified User Exam Preparation (Revit 2021 Edition) Daniel John Stine,2020-04 In the competitive world in which we live it is important to stand out to potential employers and prove your capabilities One way to do this is by passing one of the Autodesk Certification Exams A candidate who passes an exam has credentials from the makers of the software which indicate you know how to use their software This can help give you an edge over other potential interviewees when applying for a job Autodesk Revit for Architecture Certified User Exam Preparation is intended for the Revit user who has about 150 hours of instruction and real world experience with Autodesk Revit software This book will help guide you in your preparation for the Autodesk Certified User Revit for Architecture exam By passing this exam you are validating your Revit skills and are well on your way to the next level of certification Throughout the book you will find an overview of the exam process the user interface and the four main topics Creating and Modifying Components Modeling and Modifying Elements Managing Views and Managing Documentation The specific topics you need to be familiar with to pass the test are explained in greater detail throughout the book At the end of the book there is a sample multiple choice practice test to self assess your readiness for the exam You also get access to sample exam software which simulates the actual exam and a discount on taking the actual exam This book will help you pass the Autodesk Certified User exam on the first try so you can avoid repeatedly taking the exam and obtain your certification sooner Practice Exam Software In addition to the sample test questions included in the book practice exam software is also provided The practice exam software is meant to simulate the actual Revit Architecture Certified User exam It can be downloaded and run from any computer The practice exam software will get you familiar with the official exam and check your skills prior to taking the official exam The practice exam software requires you to use Autodesk Revit to perform actions in order to formulate the answer to questions just like the actual exam The questions in the practice exam software are categorized into four groups which align with the four official main topics Creating and Modifying Components Modeling and Modifying Elements Managing Views and Managing Documentation Upon completing the quiz an overall score is provided as well as a score for each topic If you get a question wrong a page number in the book is provided to help you further review the topic The practice exam software will help you with the following Understanding the test software How to mark and return to questions Exam question format Live in application steps How the results are presented at the exam conclusion

Creating Revit Family Content Ken Jolly,2008-10-28 Rewritten for Revit 2009 This is a learning guide to teach the basic steps for building Revit Families After becoming productive with Revit the first question that arises is how to create a family Through this is a straightforward question many trainers and textbooks steer wide or gives it only a close brush Finally comes a clear concise step by step guide to creating your first simple Revit Families The book begins by explaining the concept of Revit Families Exploring their Form Structure and Purpose We then explore creating Solid 3D Extrusions with

Blends and Sweeps used to build the Components and Model 3D Elements We then explore adding Parameters for both Instance and Type Families thus adding intelligence and versatility to the Family We then approach adding Family Types to the Revit Type Selector in the Project This is a quick painless and easy way to take the first steps in becoming proficient with Revit Family Creation More advanced techniques are available in my books Revit Family Creation 2010 and Essentials of Revit Families 2011

Mastering Autodesk Revit 2020 Robert Yori, Marcus Kim, Lance Kirby, 2019-11-12 The best selling Revit guide now more complete than ever with all new coverage on the 2020 release Mastering Autodesk Revit 2020 is packed with focused discussions detailed exercises and real world examples to help you get up to speed quickly on the latest version of Autodesk Revit Organized according to how you learn and implement the software this book provides expert guidance for all skill levels Hands on tutorials allow you to dive right in and start accomplishing vital tasks while compelling examples illustrate how Revit for Architecture is used in every project Available online downloads include before and after tutorial files and additional advanced content to help you quickly master this powerful software From basic interface topics to advanced visualization techniques and documentation this invaluable guide is your ideal companion through the Revit workflow Whether you're preparing for Autodesk certification exams or just want to become more productive with the architectural design software practical exercises and expert instruction will get you where you need to be Understand key BIM and Revit concepts and master the Revit interface Delve into templates work sharing and managing Revit projects Master modeling and massing the Family Editor and visualization techniques Explore documentation including annotation detailing and complex structures BIM software has become a mandatory asset in today's architecture field automated documentation updates reduce errors while saving time and money and Autodesk's Revit is the industry leader in the BIM software space

Autodesk Revit for Architecture Certified User Exam Preparation (Revit 2019 Edition) Daniel John Stine, 2018 In the competitive world in which we live it is important to stand out to potential employers and prove your capabilities One way to do this is by passing one of the Autodesk Certification Exams A candidate who passes an exam has credentials from the makers of the software which indicate you know how to use their software This can help give you an edge over other potential interviewees when applying for a job Autodesk Revit for Architecture Certified User Exam Preparation is intended for the Revit user who has about 40 hours of real world experience with Autodesk Revit software This book will help guide you in your preparation for the Autodesk Certified User Revit for architecture exam By passing this exam you are validating your Revit skills and are well on your way to the next level of certification Throughout the book you will find an overview of the exam process the user interface and the four main topics Elements Families Modeling Views and Documentation The specific topics you need to be familiar with to pass the test are explained in greater detail throughout the book At the end of the book there is a sample multiple choice practice test to self assess your readiness for the exam This book will help you pass the Autodesk Certified User exam on the first try so you can avoid repeatedly taking the exam and

obtain your certification sooner 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 **Design Integration Using Autodesk Revit 2011 (Architecture, Structure and MEP)** Daniel John Stine, 2010-07-02 Design Integration Using Autodesk Revit 2011 is designed to provide the reader with a well rounded knowledge of Autodesk Revit tools and techniques All three components 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 DVD 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

Autodesk Revit Architecture 2011 Eric Wing, 2010-07-13 Learn Revit Architecture step by step with this project based tutorial Revit Architecture is the leading Building Information Modeling BIM software for architects and others in related fields Written by renowned Revit trainer Eric Wing this simple yet engaging tutorial teaches you the program s basics You ll find concise explanations focused examples step by step instructions and an engaging hands on tutorial project that will take you from an introduction to the interface and Revit conventions right in to modeling a four story office building Explains views grids and the program s editing capabilities and then progresses as the building s design would in the real world Encourages you to work with structural grids beams and foundations and shows you how to add text and dimensions as well as understand how to use dimensions as a design tool Walks you through building floors layer by layer and joining them to exterior and interior walls and creating and editing roofs and ceilings as well as stairs ramps and railings Even with no experience Revit Architecture and its accompanying Web site will support you as you learn Revit at your own pace

Mastering Autodesk Revit Architecture 2016 James Vandezande, Eddy Krygiel, 2015-05-20 The Autodesk endorsed guide to real world Revit Architecture mastery Mastering Autodesk Revit Architecture 2016 provides focused discussions detailed exercises and compelling real world examples to help you get the most out of the Revit Architecture 2016 software Information is organized to reflect the way you learn and implement Revit featuring real world workflows in depth explanations and practical tutorials that help you understand Revit and BIM concepts so you can quickly start accomplishing vital tasks The thorough coverage makes this book an ideal study guide for those preparing for Autodesk s certification exam The companion website features before and after tutorials additional advanced content and video on crucial techniques to help you quickly master important tasks This comprehensive guide walks you through the software to help you begin designing quickly Understand basic BIM concepts and the Revit interface Explore templates work sharing and project management workflows Learn modeling massing and visualization techniques for other industries Work with complex structures annotation detailing and much more To master what is quickly becoming an essential industry tool Mastering Revit Architecture 2016 is your ultimate practical companion

Autodesk Revit Architecture 2012 Eric Wing, 2011-06-03 This Autodesk Official Training Guide teaches Revit to new users The perfect introduction to Revit Architecture Autodesk s building information modeling BIM software this unique and highly effective guide uses a continuous step by step tutorial to build your skills You ll first get to know the Revit interface and basic conventions then quickly move right into designing documenting and modeling a four story office building Place walls windows and doors add floors ceilings railings and stairs create construction documentation and that s just for starters You ll be amazed by how rapidly you can progress Teaches you how to use Autodesk Revit Architecture Autodesk s industry leading building information modeling BIM software Uses a continuous step by step tutorial that progresses through the book teaching you how to design document and present a four

story building Covers structural grids beams and foundations adding text and dimensions building floors layer by layer joining exterior and interior walls creating roofs and ceilings and much more Introduces embedded families and formulas crucial site considerations and importing and exporting to various formats Includes a Web site with before and after tutorial files so readers can compare their work Best of all this guide is self paced Follow the tutorial sequentially or jump into just the chapters you want by downloading the project files from the companion Web site

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