

PROJECT MANAGER

PROJECT

Projects

PROJECT

- Electrical Panel Diagram
- Lot of Quantities
- Symbol Catalog
- One Line Diagram
- Income Diagram
- DC Feeder 15kW
- DC Feeder 15kW
- Star Delta Feeder
- Star Delta Feeder
- Feeder Labeling - 10
- Feeder Labeling - 10
- External Panel Assembly
- Bill of Materials

DC ELECTRIC

EXTRA LIBRARY COMPONENTS

POWER

WIRING

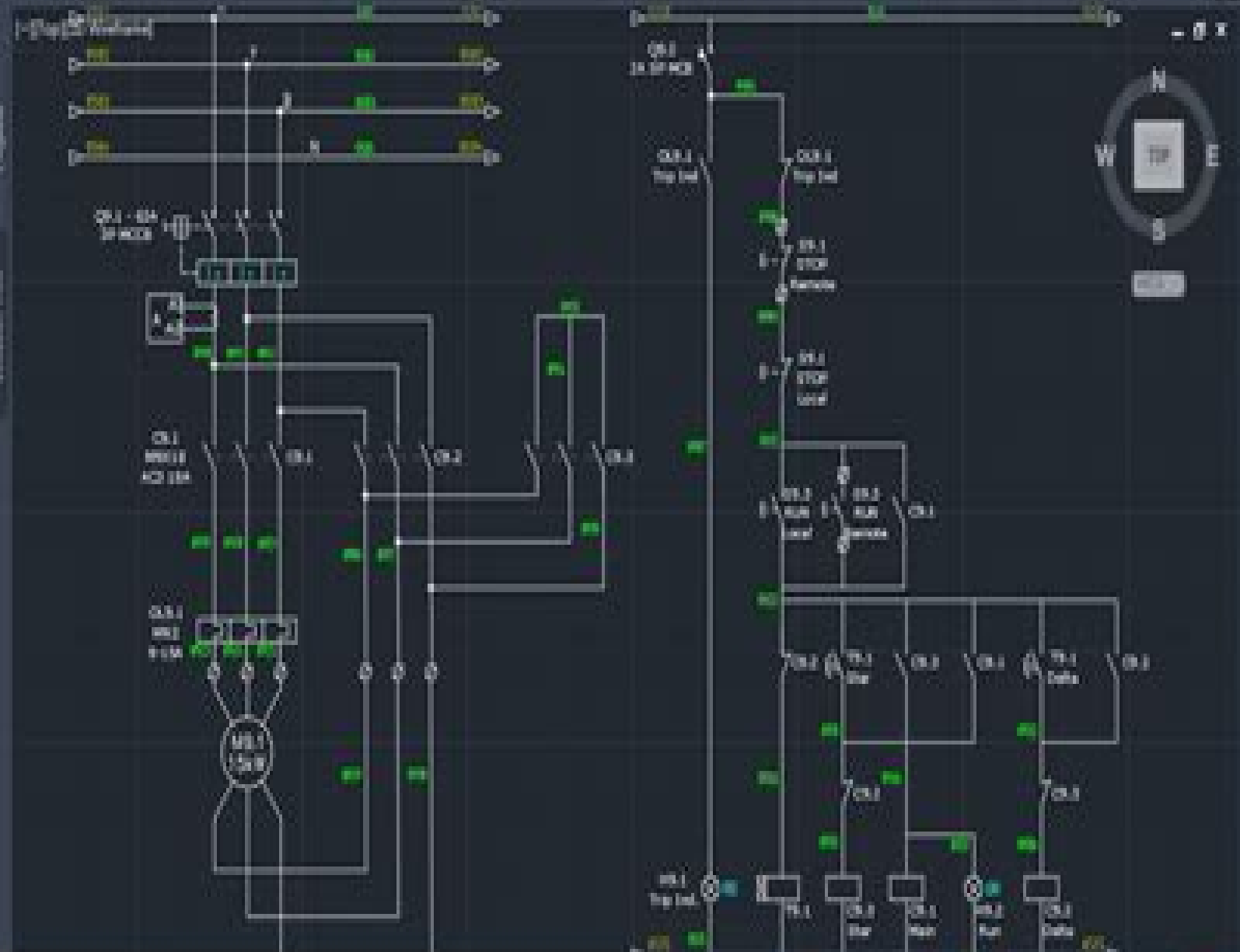
PACKAGING (CABINET)

PANELPOINT

RESIDENTIAL ELECTRICAL

WATER

Details



Autocad Electrical 20user Guide Autodesk

Yijin Wang



Autocad Electrical 20user Guide Autodesk:

AutoCAD Electrical 2020 ASCENT - Center for Technical Knowledge,2019-10-25 *AutoCAD Electrical 2021* ASCENT - Center for Technical Knowledge,2020-09-15 The AutoCAD R Electrical 2021 Fundamentals with NFPA Standards guide is designed for those using AutoCAD R Electrical 2021 with a Windows operating system This guide is not designed for the AutoCAD for Mac software The AutoCAD R Electrical 2021 Fundamentals with NFPA Standards guide covers the indispensable core topics for working with the AutoCAD R Electrical software In this guide you will learn how to use many of the powerful electrical drawing creation tools in the AutoCAD Electrical software You will create schematic drawings ladder logic and point to point panel drawings and PLC I O circuits using automated commands for symbol insertion component tagging wire numbering and drawing modification In addition you are introduced to methods of customizing AutoCAD Electrical symbols circuits and databases Other topics covered include titleblock linking reporting tools templates and project files Topics Covered Understanding project files Creating and editing schematic and panel drawings Working with PLC symbols Creating custom symbols Generating reports Prerequisites Access to the 2021 0 version of the software to ensure compatibility with this guide Future software updates that are released by Autodesk may include changes that are not reflected in this guide The practices and files included with this guide might not be compatible with prior versions e g 2020

Architecture ,1996 AutoCAD Electrical 2019 ASCENT - Center for Technical Knowledge,2018-07-27 The AutoCAD R Electrical 2019 Fundamentals with NFPA Standards learning guide covers the indispensable core topics for working with the AutoCAD R Electrical software In this learning guide you will learn how to use many of the powerful electrical drawing creation tools in the AutoCAD Electrical software You will create schematic drawings ladder logic and point to point panel drawings and PLC I O circuits using automated commands for symbol insertion component tagging wire numbering and drawing modification In addition you are introduced to methods of customizing AutoCAD Electrical symbols circuits and databases Other topics covered include titleblock linking reporting tools templates and project files Topics Covered Understanding project files Creating and editing schematic and panel drawings Working with PLC symbols Creating custom symbols Generating reports Prerequisites Access to the 2019 version of the software The practices and files included with this guide might not be compatible with prior versions Before using this guide students need to have a good working knowledge of the AutoCAD R software and electrical terminology AutoCAD Electrical 2021: A Tutorial Approach, 2nd Edition Prof. Sham Tickoo,2020-10-20 The AutoCAD Electrical 2021 A Tutorial Approach is a tutorial based book that introduces the readers to AutoCAD Electrical 2021 software designed specifically for creating professional electrical control drawings The book has a wide range of tutorials covering the tools and features of AutoCAD Electrical such as schematic drawings panel drawings parametric and nonparametric PLC modules ladder diagrams Circuit Builder point to point wiring diagrams report generation creation of symbols and so on These tutorials will enable the users to create innovative electrical

control drawings with ease Moreover the tutorials used ensure that the users can relate the information provided in this book with the practical industry designs The chapters in this book are arranged in a pedagogical sequence that makes it very effective in learning the features and capabilities of the software Salient Features Consists of 13 chapters that are organized in a pedagogical sequence Brief coverage of AutoCAD Electrical 2021 concepts and techniques Tutorial approach to explain the concepts of AutoCAD Electrical 2021 Step by step instructions to guide the users through the learning process More than 38 tutorials and one student project 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 AutoCAD Electrical 2021 Chapter 2 Working with Projects and Drawings Enhanced Chapter 3 Working with Wires Chapter 4 Creating Ladders Enhanced Chapter 5 Schematic Components Enhanced Chapter 6 Schematic Editing Chapter 7 Connectors Point To Point Wiring Diagrams and Circuits Chapter 8 Panel Layouts Enhanced Chapter 9 Schematic and Panel Reports Chapter 10 PLC Modules Chapter 11 Terminals Enhanced Chapter 12 Settings Configuration Templates and Plotting Chapter 13 Creating Symbols Student Project Index About the Authors CADCIM Technologies Prof Sham Tickoo of Purdue University Northwest and the team of dedicated contributing authors at CADCIM Technologies are committed to bring you the best Textbooks eBooks and free teaching and learning resources on CAD CAM CAE Computer Programming and Applications GIS Civil Animation and Visual Effects and related technologies We strive to be the first and the best That is our promise and our goal Our team of authors consists of highly qualified and experienced Engineers who have a strong academic and industrial background They understand the needs of the students the faculty and the challenges the students face when they start working in the industry All our books have been structured in a way that facilitates teaching and learning and also exposes students to real world applications The textbooks apart from providing comprehensive study material are well appreciated for the simplicity of content clarity of style and the in depth coverage of the subject

AutoCAD Electrical 2018 Fundamentals with Nfpa Standards ASCENT - Center for Technical

Knowledge,2017-03-30 The AutoCAD R Electrical 2018 Fundamentals with NFPA Standards learning guide covers the indispensable core topics for working with the AutoCAD R Electrical software In this learning guide you will learn how to use many of the powerful electrical drawing creation tools in the AutoCAD Electrical software You will create schematic drawings ladder logic and point to point panel drawings and PLC I O circuits using automated commands for symbol insertion component tagging wire numbering and drawing modification In addition you are introduced to methods of customizing AutoCAD Electrical symbols circuits and databases Other topics covered include titleblock linking reporting tools templates and project files Topics Covered Understanding project files Creating and editing schematic and panel drawings Working with PLC symbols Creating custom symbols Generating reports Prerequisites Before taking this course students need to have a good working knowledge of the AutoCAD R software and electrical terminology [AutoCAD Electrical 2019 for Electrical](#)

Control Designers, 10th Edition Prof. Sham Tickoo, 2019-01-02 The AutoCAD Electrical 2019 for Electrical Control Designers book has been written to assist the engineering students and the practicing designers who are new to AutoCAD Electrical. Using this book the readers can learn the application of basic tools required for creating professional electrical control drawings with the help of AutoCAD Electrical. Keeping in view the varied requirements of the users, this book covers a wide range of tools and features such as schematic drawings, Circuit Builder panel drawings, parametric and nonparametric PLC modules, stand-alone PLC I/O points, ladder diagrams, point-to-point wiring diagrams, report generation, creation of symbols, and so on. This will help the readers to create electrical drawings easily and effectively. Salient Features: Consists of 13 chapters and 2 projects that are organized in a pedagogical sequence. Comprehensive coverage of AutoCAD Electrical 2019 concepts and techniques. Tutorial approach to explain the concepts of AutoCAD Electrical 2019. Detailed explanation of all commands and tools. Step-by-step instructions to guide the users through the learning process. 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 AutoCAD Electrical 2019; Chapter 2 Working with Projects and Drawings; Chapter 3 Working with Wires; Chapter 4 Creating Ladders; Chapter 5 Schematic Components; Chapter 6 Schematic Editing; Chapter 7 Connectors; Point-to-Point Wiring Diagrams and Circuits; Chapter 8 Panel Layouts; Chapter 9 Schematic and Panel Reports; Chapter 10 PLC Modules; Chapter 11 Terminals; Chapter 12 Settings, Configuration Templates, and Plotting; Chapter 13 Creating Symbols; Project 1; Project 2; Index.

AutoCAD Electrical 2017 Fundamentals - IEC ASCENT - Center for Technical Knowledge, 2016-03-21 The AutoCAD r Electrical 2017 R1 Fundamentals with IEC Standards student guide covers the indispensable core topics for working with the AutoCAD r Electrical software. In this student guide, students learn how to use many of the powerful electrical drawing creation tools in the AutoCAD Electrical software. Students create schematic drawings, ladder logic, and point-to-point panel drawings and PLC I/O circuits using automated commands for symbol insertion, component tagging, wire numbering, and drawing modification. In addition, students are introduced to methods of customizing AutoCAD Electrical symbols, circuits, and databases. Other topics covered include titleblock linking, reporting tools, templates, and project files. Topics Covered: Understanding project files; Creating and editing schematic and panel drawings; Working with PLC symbols; Creating custom symbols; Generating reports. Prerequisites: Before taking this course, students need to have a good working knowledge of the AutoCAD r software and electrical terminology.

AutoCAD Electrical 2021 for Electrical Control Designers, 12th Edition Prof. Sham Tickoo, 2020-08-03 The AutoCAD Electrical 2021 for Electrical Control Designers book has been written to assist the engineering students and the practicing designers who are new to AutoCAD Electrical. Using this book, the readers can learn the application of basic tools required for creating professional electrical control drawings with the help of AutoCAD Electrical. Keeping in view the varied requirements of the users, this book covers a wide range of tools and features such as schematic drawings, Circuit Builder panel drawings,

parametric and nonparametric PLC modules stand alone PLC I O points ladder diagrams point to point wiring diagrams report generation creation of symbols and so on This will help the readers to create electrical drawings easily and effectively

Salient Features Consists of 13 chapters and 2 projects that are organized in a pedagogical sequence Comprehensive coverage of AutoCAD Electrical 2021 concepts and techniques Tutorial approach to explain the concepts of AutoCAD Electrical 2021 Detailed explanation of all commands and tools Summarized content on the first page of the topics that are covered in the chapter Hundreds of illustrations for easy understanding of concepts Step by step instructions to guide the users through the learning process More than 45 tutorials and projects Additional information throughout the book in the form of notes and tips Self Evaluation Tests Review Questions and Exercises at the end of each chapter to help the users assess their knowledge Table of Contents Chapter 1 Introduction to AutoCAD Electrical 2021 Chapter 2 Working with Projects and Drawings Chapter 3 Working with Wires Chapter 4 Creating Ladders Chapter 5 Schematic Components Chapter 6 Schematic Editing Chapter 7 Connectors Point To Point Wiring Diagrams and Circuits Chapter 8 Panel Layouts Chapter 9 Schematic and Panel Reports Chapter 10 PLC Modules Chapter 11 Terminals Chapter 12 Settings Configuration Templates and Plotting Chapter 13 Creating Symbols Project 1 Project 2 For free download Index Free Teaching and Learning Resources

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AutoCAD Electrical 2023 for Electrical Control Designers, 14th Edition Prof. Sham Tickoo, The AutoCAD Electrical 2023 for Electrical Control Designers book has been written to assist the engineering students and the practicing designers who are new to AutoCAD Electrical Using this book the readers can learn the application of basic tools required for creating professional electrical control drawings with the help of AutoCAD Electrical Keeping in view the varied requirements of the users this book covers a wide range of tools and features such as schematic drawings Circuit Builder panel drawings parametric and nonparametric PLC modules stand alone PLC I O points ladder diagrams point to point wiring diagrams report generation creation of symbols and so on This will help the readers to create electrical drawings easily and effectively In this edition the author has covered two new features Markup Import and Markup Assist Also the author has covered enhancements in topics such as Copying Project and Updating Signal Arrows

Salient Features Consists of 13 chapters and 2 projects that are organized in a pedagogical sequence Comprehensive coverage of AutoCAD Electrical 2023 concepts and techniques Tutorial approach to explain the concepts of AutoCAD Electrical 2023 Detailed explanation of all commands and tools Summarized content on the first page of the topics that are covered in the chapter Hundreds of illustrations for easy understanding of

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AutoCAD Electrical 2021 Black Book (Colored) Gaurav Verma, Matt Weber, 2020-06-07 The AutoCAD Electrical 2021 Black Book the 6th edition of AutoCAD Electrical Black book has been updated as per the enhancements in the AutoCAD Electrical 2021 Following the same strategy as for the previous edition the book follows a step by step methodology It covers almost all the information required by a learner to master the AutoCAD Electrical The book starts with basics of Electrical Designing goes through all the Electrical controls related tools and discusses practical examples of electrical schematic and panel designing Chapter on Reports makes you able to create and edit electrical component reports We have also discusses the interoperability between Autodesk Inventor and AutoCAD Electrical which is need of industry these days In this edition two annexures are added to explain basic concepts of control panel designing Some of the salient features of this book are In Depth explanation of concepts Every new topic of this book starts with the explanation of the basic concepts In this way the user becomes capable of relating the things with real world Topics Covered Every chapter starts with a list of topics being covered in that chapter In this way the user can easy find the topic of his her interest easily Instruction through illustration The instructions to perform any action are provided by maximum number of illustrations so that the user can perform the actions discussed in the book easily and effectively There are about 900 small and large illustrations that make the learning process effective Tutorial point of view At the end of concept s explanation the tutorial make the understanding of users firm and long lasting Almost each chapter of the book has tutorials that are real world projects Moreover most of the tools in this book are discussed in the form of tutorials Project Free projects and exercises are provided to students for practicing For Faculty If you are a faculty member then you can ask for video tutorials on any of the topic exercise tutorial or concept

AutoCAD Electrical 2020: A Tutorial Approach Prof. Sham Tickoo, 2020 The AutoCAD Electrical 2020 A Tutorial Approach is a tutorial based book that introduces the readers to AutoCAD Electrical 2020 software designed specifically for creating professional electrical control drawings The book has a wide range of tutorials covering the tools and features of AutoCAD Electrical such as schematic drawings panel drawings parametric and nonparametric PLC modules ladder diagrams Circuit Builder point to point wiring diagrams report generation creation of symbols and so on These tutorials will enable the users to create innovative electrical control drawings with ease Moreover the tutorials used ensure that the users can relate the

information provided in this book with the practical industry designs The chapters in this book are arranged in a pedagogical sequence that makes it very effective in learning the features and capabilities of the software Salient Features Consists of 13 chapters that are organized in a pedagogical sequence Brief coverage of AutoCAD Electrical 2020 concepts and techniques Tutorial approach to explain the concepts of AutoCAD Electrical 2020 Step by step instructions to guide the users through the learning process More than 35 tutorials and one student project 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 AutoCAD Electrical 2020 Chapter 2 Working with Projects and Drawings Chapter 3 Working with Wires Chapter 4 Creating Ladders Chapter 5 Schematic Components Chapter 6 Schematic Editing Chapter 7 Connectors Point To Point Wiring Diagrams and Circuits Chapter 8 Panel Layouts Chapter 9 Schematic and Panel Reports Chapter 10 PLC Modules Chapter 11 Terminals Chapter 12 Settings Configuration Templates and Plotting Chapter 13 Creating Symbols Student Project Index

[AutoCAD Electrical 2021 Black Book](#) Gaurav Verma, Matt Weber, 2020-06-06 The AutoCAD Electrical 2021 Black Book the 6th edition of AutoCAD Electrical Black book has been updated as per the enhancements in the AutoCAD Electrical 2021 Following the same strategy as for the previous edition the book follows a step by step methodology It covers almost all the information required by a learner to master the AutoCAD Electrical The book starts with basics of Electrical Designing goes through all the Electrical controls related tools and discusses practical examples of electrical schematic and panel designing Chapter on Reports makes you able to create and edit electrical component reports We have also discusses the interoperability between Autodesk Inventor and AutoCAD Electrical which is need of industry these days In this edition two annexures are added to explain basic concepts of control panel designing Some of the salient features of this book are In Depth explanation of concepts Every new topic of this book starts with the explanation of the basic concepts In this way the user becomes capable of relating the things with real world Topics Covered Every chapter starts with a list of topics being covered in that chapter In this way the user can easy find the topic of his her interest easily Instruction through illustration The instructions to perform any action are provided by maximum number of illustrations so that the user can perform the actions discussed in the book easily and effectively There are about 900 small and large illustrations that make the learning process effective Tutorial point of view At the end of concept s explanation the tutorial make the understanding of users firm and long lasting Almost each chapter of the book has tutorials that are real world projects Moreover most of the tools in this book are discussed in the form of tutorials Project Free projects and exercises are provided to students for practicing For Faculty If you are a faculty member then you can ask for video tutorials on any of the topic exercise tutorial or concept

Learning AutoDesk AutoCAD Electrical 2014 Shaun Bryant, 2013 In this training course for AutoCAD Electrical 2014 expert trainer Shaun Bryant guides you through the tools and techniques you can use to create your electrical CAD designs With AutoCAD Electrical you get a huge selection of symbol

libraries and features specific to electrical engineering Shaun takes you through these features and how to use them step by step in short easy to understand lessons You will begin this tutorial with a walk through the AutoCAD interface as Shaun shows how to access the electrical design toolset Each lesson is designed to build on the last ensuring that you are not inundated with too much information at once which will increase your retention of the material Some of the topics that are covered include workflow basics schematic wiring accessing and using electrical symbols editing your schematics creating panel layouts using custom components PLC Modules and automation tools Those features are just a small example of the over 9 hours of top quality video training you get in this professional tutorial Once you have completed this computer based training course for AutoCAD Electrical 2014 you will have a comprehensive understanding of the tools and techniques Autodesk has to offer in this popular software program Not only will you understand them but you will have functional experience in applying this learning through the working files that the author has included in this training course

Resource description page *AutoCAD Electrical 2025: A Tutorial Approach, 6th Edition* Prof. Sham Tickoo, 2024-12-11 The AutoCAD Electrical 2025 A Tutorial Approach is a tutorial based book that introduces the readers to AutoCAD Electrical 2025 software designed specifically for creating professional electrical control drawings The book has a wide range of tutorials covering the tools and features of AutoCAD Electrical such as schematic drawings panel drawings parametric and nonparametric PLC modules ladder diagrams Circuit Builder point to point wiring diagrams report generation creation of symbols and so on These tutorials will enable the users to create innovative electrical control drawings with ease Moreover the tutorials used ensure that the users can relate the information provided in this book with the practical industry designs The chapters in this book are arranged in a pedagogical sequence that makes it very effective in learning the features and capabilities of the software In this edition the author has covered enhancements in topics such as Wire type synchronization Automatic reports and Symbol list reports Salient Features Consists of 13 chapters that are organized in a pedagogical sequence Brief coverage of AutoCAD Electrical 2025 concepts and techniques Tutorial approach to explain the concepts of AutoCAD Electrical 2025 Step by step instructions to guide the users through the learning process More than 38 tutorials and one student project 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 AutoCAD Electrical 2025 Chapter 2 Working with Projects and Drawings Chapter 3 Working with Wires Chapter 4 Creating Ladders Chapter 5 Schematic Components Chapter 6 Schematic Editing Chapter 7 Connectors Point To Point Wiring Diagrams and Circuits Chapter 8 Panel Layouts Chapter 9 Schematic and Panel Reports Chapter 10 PLC Modules Chapter 11 Terminals Chapter 12 Settings Configuration Templates and Plotting Chapter 13 Creating Symbols Student Project Index **AutoCAD Electrical 2016 Black Book** Gaurav Verma, 2015-04-24 The AutoCAD Electrical 2016 Black Book the second edition of AutoCAD Electrical Black books has lots of new features and examples as compared to previous edition Following the same strategy as

for the previous edition the book is written to help professionals as well as learners in performing various tedious jobs in Electrical control designing The book follows a step by step methodology The book covers use of right tool at right places The book covers almost all the information required by a learner to master the AutoCAD Electrical The book starts with basics of Electrical Designing goes through all the Electrical controls related tools and ends up with practical examples of electrical schematic and panel designing Chapter on Reports makes you comfortable in creating and editing electrical component reports This edition also discusses the interoperability between Autodesk Inventor and AutoCAD Electrical which is need of industry these days Some of the salient features of this book are In Depth explanation of concepts Every new topic of this book starts with the explanation of the basic concepts In this way the user becomes capable of relating the things with real world Topics Covered Every chapter starts with a list of topics being covered in that chapter In this way the user can easy find the topic of his her interest easily Instruction through illustration The instructions to perform any action are provided by maximum number of illustrations so that the user can perform the actions discussed in the book easily and effectively There are about 1000 illustrations that make the learning process effective Tutorial point of view The book explains the concepts through the tutorial to make the understanding of users firm and long lasting Each chapter of the book has tutorials that are real world projects Project Free projects and exercises are provided to students for practicing For Faculty If you are a faculty member then you can ask for video tutorials on any of the topic exercise tutorial or concept

AutoCAD Electrical 2026 Black Book Gaurav Verma, Matt Weber, 2025-04-11 AutoCAD Electrical 2026 Black Book 11th Edition Complete Guide to AutoCAD Electrical 2026 Step by Step Learning The AutoCAD Electrical 2026 Black Book 11th edition is your complete and updated resource for learning AutoCAD Electrical 2026 Designed with a step by step approach this book aligns with the latest enhancements in the software and is ideal for students professionals and instructors This AutoCAD Electrical 2026 tutorial book starts with the basics of electrical designing and gradually explores advanced tools related to schematic design panel layout PLC modules and more Real world projects practical tutorials and over 550 multiple choice questions MCQs help reinforce learning and track progress Key Features Beginner Friendly to Advanced Covers everything from basic electrical design to control panel designing and report generation Concept Based Learning Each topic begins with clear conceptual explanations to build strong foundations and connect theory to real world applications Topic Navigation Every chapter opens with a list of topics making it easy to find specific AutoCAD Electrical tools or features 920 Illustrations Packed with over 920 diagrams and screenshots offering detailed visual guidance for better understanding Hands On Tutorials Projects Most chapters end with real world tutorials that help reinforce learning Tools are taught in context through exercises that simulate industry projects MCQs for Self Evaluation Includes 550 MCQs to test your understanding and assist in exam preparation Control Panel Design Explained Two detailed annexures cover the fundamentals of control panel layout design ideal for those focusing on automation and manufacturing systems AutoCAD Electrical Autodesk Inventor

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AutoCAD Electrical 2022: A Tutorial Approach, 3rd Edition Prof. Sham Tickoo, 2022-01-05 The AutoCAD Electrical 2022 A Tutorial Approach is a tutorial based book that introduces the readers to AutoCAD Electrical 2022 software designed specifically for creating professional electrical control drawings The book has a wide range of tutorials covering the tools and features of AutoCAD Electrical such as schematic drawings panel drawings parametric and nonparametric PLC modules ladder diagrams Circuit Builder and point to point wiring diagrams report generation creation of symbols and so on These tutorials will enable the users to create innovative electrical control drawings with ease Moreover the tutorials are used to ensure that the users can relate the information provided in this book with the practical industry designs The chapters in this book are arranged in a pedagogical sequence that makes it very effective in learning the features and capabilities of the software To enhance the knowledge of users in this edition the author has added some new tutorials on concepts such as Customizing the Templates and Title block as well as on tools such as Show Wire Sequence and Insert Wblocked Circuit Salient Features Consists of 13 chapters that are organized in a pedagogical sequence Brief coverage of AutoCAD Electrical 2022 concepts and techniques Tutorial approach to explain the concepts of AutoCAD Electrical 2022 Step by step instructions guide the users through the learning process More than 38 tutorials and one student project 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 AutoCAD Electrical 2022 Chapter 2 Working with Projects and Drawings Enhanced Chapter 3 Working with Wires Chapter 4 Creating Ladders Chapter 5 Schematic Components Chapter 6 Schematic Editing Chapter 7 Connectors Point To Point Wiring Diagrams and Circuits Enhanced Chapter 8 Panel Layouts Chapter 9 Schematic and Panel Reports Chapter 10 PLC Modules Chapter 11 Terminals Chapter 12 Settings Configuration Templates and Plotting Chapter 13 Creating Symbols Student Project Index

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