



TABLE OF CONTENTS

About This Workbook	vii	CHAPTER 3—WIRING METHODS AND MATERIALS	105
How to Use the <i>National Electrical Code</i>	1	Article 300—General Requirements for Wiring Methods and Materials	109
Article 90—Introduction to the <i>National Electrical Code</i>	7	Article 310—Conductors for General Wiring	119
 		Article 312—Cabinets, Cutout Boxes, and Meter Socket Enclosures	123
CHAPTER 1—GENERAL RULES	11	Article 314—Outlet, Device, Pull, and Junction Boxes; Conduit Bodies; and Handhole Enclosures	125
Article 100—Definitions	13	Article 320—Armored Cable (Type AC)	133
Article 110—Requirements for Electrical Installations	27	Article 330—Metal-Clad Cable (Type MC)	135
 		Article 334—Nonmetallic-Sheathed Cable (Types NM and NMC)	137
CHAPTER 2—WIRING AND PROTECTION	37	Article 336—Power and Control Tray Cable (Type TC)	141
Article 200—Use and Identification of Grounded [Neutral] Conductors	39	Article 338—Service-Entrance Cable (Types SE and USE)	143
Article 210—Branch Circuits	43	Article 340—Underground Feeder and Branch-Circuit Cable (Type UF)	145
Article 215—Feeders	55	Article 342—Intermediate Metal Conduit (Type IMC)	147
Article 220—Branch-Circuit, Feeder, and Service Load Calculations	57	Article 344—Rigid Metal Conduit (Type RMC)	149
Article 225—Outside Branch Circuits and Feeders	61	Article 348—Flexible Metal Conduit (Type FMC)	151
Article 230—Services	65		
Article 240—Overcurrent Protection	75		
Article 250—Grounding and Bonding	81		
Article 285—Surge Protective Devices (SPDs)	103		



Article 350—Liquidtight Flexible Metal Conduit (Type LFMC)	153	Article 410—Luminaires, Lampholders, and Lamps	195
Article 352—Rigid Polyvinyl Chloride Conduit (Type PVC)	155	Article 411—Low-Voltage Lighting	201
Article 356—Liquidtight Flexible Nonmetallic Conduit (Type LFNC)	157	Article 422—Appliances	203
Article 358—Electrical Metallic Tubing (Type EMT)	159	Article 424—Fixed Electric Space-Heating Equipment	207
Article 362—Electrical Nonmetallic Tubing (Type ENT)	161	Article 430—Motors, Motor Circuits, and Controllers	209
Article 376—Metal Wireways	163	Article 440—Air-Conditioning and Refrigeration Equipment	215
Article 380—Multioutlet Assemblies	165	Article 445—Generators	217
Article 386—Surface Metal Raceways	167	Article 450—Transformers	219
Article 392—Cable Trays	169	Article 480—Storage Batteries	221
CHAPTER 4—EQUIPMENT FOR GENERAL USE	173	FINAL EXAM A	223
Article 400—Flexible Cords and Flexible Cables	175	FINAL EXAM B	233
Article 402—Fixture Wires	179	 	
Article 404—Switches	181	ABOUT THE AUTHOR	243
Article 406—Receptacles, Cord Connectors, and Attachment Plugs (Caps)	185	ABOUT THE ILLUSTRATOR	244
Article 408—Switchboards, Switchgear, and Panelboards	191	ABOUT THE MIKE HOLT TEAM	245