

Electrical Calculations Training Library

Based on the 2017 NEC®

VIDEO USER GUIDE

Play Time Total 30:48:02



Play Time

Book Page #

CHAPTER 2 – NEC CALCULATIONS..... page 185

Unit 5—Raceway and Box Calculations..... [4:21:02] page 187

Part A—Raceway Sizing

Part B—Outlet Box Sizing

Part C—Pull Boxes, Junction Boxes, and Conduit Bodies

Unit 6—Conductor Sizing and Protection

Calculations..... [5:07:36] page 243

Part A—Conductor Requirements

Part B—Conductor Ampacity

Unit 7—Motor, and Air-Conditioning

Calculations [4:23:39] page 301

Part A—Motor Calculations

Part B—Air-Conditioning Calculations

Unit 8—Voltage-Drop Calculations [3:21:28] page 355

Part A – Understanding Conductor Resistance

Part B – Voltage Drop Considerations

Unit 9—Dwelling Unit Calculations [3:10:34] page 397

Part A—Load Calculations Standard Method

Part B—Load Calculations Optional Method

Part C—Neutral Calculations

CHAPTER 3—ADVANCED NEC CALCULATIONS..... page 439

Unit 10—Multifamily Dwelling Calculations [3:36:48] page 441

Part A—Load Calculation Standard Method

Part B—Optional Method Feeder/Service Load Calculations

Part C—Neutral Calculations

Unit 11—Commercial Calculations [3:25:39] page 491

Part A—General

Part B—Examples

Part C—Optional Load Calculations

Part D—Welders

Unit 12—Transformer Calculations [3:21:16] page 539

Part A—General

Part B—NEC Requirements

Part C—Grounding and Bonding