

Table of Contents

Lesson	Content	Class Date	Notes
301	Introduction to Grounding and Bonding		
302	First Aid/CPR/AED Training		
303	General Requirements for Grounding and Bonding		
304	System Grounding I		
305	System Grounding II		
306	Grounding Electrode System and Grounding Electrode Conductor		
307	Enclosure, Raceway, and Service Cable Connections - Bonding		
308	Equipment Grounding and Equipment Grounding Conductors		
309	Methods of Equipment Grounding and Grounding of Specific Equipment		
310	First Semester Mid-Term Exam		
311	Printreading: Project Design, Development, and Specifications		
312	Printreading: Survey, Civil, and Structural Drawings		
313	Printreading: Architectural Drawings I		
314	Printreading: Architectural Drawings II		
315	Printreading: MEP, M, E, P, and Special Prints		
316	Project Planning: Foreman Training		
317	First Semester Exam Review		
318	First Semester Final Exam		

Table of Contents

Lesson	Content	Class Date	Notes
319	Electrical Quantities, Circuits, Test Instruments, and Safety		
320	Manual Control Circuits: Devices and Symbols – Logic and Diagrams		
321	Introduction to Contactors and Relays		
322	Applications Using Contactors and Relays		
323	Manual and Automatic Control Devices		
324	Ladder Diagrams Using Manual and Automatic Control Devices		
325	Practical Application Lab: Automatic Controls		
326	Magnetic Motor Starters		
327	Practical Application Lab: Pilot Devices and Holding Contacts		
328	Mid-Term Review and Exam		
329	Motor Overload Protection and Connections		
330	Practical Application Lab: Magnetic Motor Starters		
331	Reversing Motor Controllers, Starters, and Motor Connections		
332	Practical Application Lab: Reversing Motor Starters		
333	Latching and Alternating Relays and Jogging Circuits		
334	Practical Application Lab: Multi-Motor Equipment		
335	Second Semester Final Exam Review		
336	Second Semester Final Exam		

Table of Contents

Annex	Content	Class Date	Notes
A	Key Terms		
V	Common Voltage Systems		