



- V. Electrical connections
  - A. Splices
  - B. Type of connections
  - C. Methods
  
- VI. Services
  - A. Service entrance
  - B. Roughing in services
  - C. Service panels
  - D. Service drops
  - E. Service laterals
  - F. Trimming out the service
  
- VII. Wiring methods using non-metallic sheathed cable
  - A. Classify according to type
  - B. Junctions and splicings
  
- VIII. Wiring methods using conduit
  - A. Types of conduit
  - B. Methods of installations
  
- IX. Switches and switching circuits
  - A. Types of switches
  - B. Rating of switches
  - C. Single pole switch connections
  - D. Three-way switch connections
  - E. Methods of installation
  
- X. Introduction to "Low Voltage" systems
  - A. Remote control systems
  - B. Signaling systems
  - C. Security and fire systems
  
- XI. Large appliances
  - A. Electric ranges
  - B. Dryers
  - C. Washers
  - D. Water heater
  - E. Central heating and cooling
  - F. Baseboard heating
  - G. Ceiling heating
  - H. Furnaces
  - I. Heat pumps
  - J. Air conditioners
  - K. Motors
  
- XII. Multiple family dwelling
  - A. Wiring methods
  - B. Service considerations
  - C. Panelboards

- XIII. Electrical design
  - A. National electrical code requirements
  - B. Calculations of loads
  
- XIV. Estimating electrical wiring
  - A. Materials
  - B. Labor

**REQUIRED TEXTBOOK AND MATERIAL:**

The textbook a