

# TABLE OF CONTENTS

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## **PART ONE—INTRODUCTION TO CHIEF ARCHITECT 9.5 DRAWING COMMANDS**

### **CHAPTER 1: GETTING STARTED**

Read Unit 1, "The Story of Architecture" in the *Fundamentals of Architectural Design* textbook.

Tutorials for *Chief Architect 9.5*:

- Logging on
- Drawing command buttons
- Select objects button
- Drop-down menus
- Specification windows
- Modifying an object
- Delete
- Move
- Stretch
- Rotate

### **CHAPTER 2: DRAWING WALLS, WINDOWS, AND DOORS**

Read Unit 2, "Architectural Styles" in the *Fundamentals of Architectural Design* textbook.

Tutorials for *Chief Architect 9.5*:

- Walls
- Naming rooms
- Windows
- Doors
- Saving a drawing file to a disk
- Opening a drawing file

### **CHAPTER 3: PLACING CABINETS, FIXTURES, APPLIANCES, AND FURNITURE**

Read Unit 3, "Forms in Architecture" in the *Fundamentals of Architectural Design* textbook.

Tutorials for *Chief Architect 9.5*:

- Kitchen planning
- Cabinets
- Furniture
- Appliances
- Fixtures

### **CHAPTER 4: SCREEN MANAGEMENT, DISK MANAGEMENT, DIMENSIONING, AND DRAWING CONTROLS**

Read Unit 4, "Architects and Builders" in the *Fundamentals of Architectural Design* textbook.

Tutorials for *Chief Architect 9.5*:

- Screen management
- Disk management
- Dimensioning
- Drawing controls

# TABLE OF CONTENTS

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## **CHAPTER 5: PLAN CHECK, DEFAULT SETTINGS, SCHEDULES, AND MATERIALS LIST**

Read Unit 5, "Building Codes" in the *Fundamentals of Architectural Design* textbook.

Tutorials for *Chief Architect 9.5*:

- Plan check
- Default settings
- Schedules
- Materials list

## **CHAPTER 6: PREFERENCES**

Read Unit 6, "Orientation" in the *Fundamentals of Architectural Design* textbook.

Tutorials for *Chief Architect 9.5*:

- Preferences

## **CHAPTER 7: HOUSE WIZARD**

Read Unit 7, "The Design Process" in the *Fundamentals of Architectural Design* textbook.

Tutorials for *Chief Architect 9.5*:

- House Wizard

## **CHAPTER 8: HELP AND DEFAULTS**

Read Unit 8, "Room Planning" in the *Fundamentals of Architectural Design* textbook.

Tutorials for *Chief Architect 9.5*:

- Help
- Defaults

## **CHAPTER 9: STRAIGHT WALL OPTIONS**

Read Unit 9, "Exterior House Forms" in the *Fundamentals of Architectural Design* textbook.

Tutorials for *Chief Architect 9.5*:

- Straight wall options

## **CHAPTER 10: CURVED WALL OPTIONS**

Read Unit 10, "Drafting Equipment and Procedures" in the *Fundamentals of Architectural Design* textbook.

Tutorials for *Chief Architect 9.5*:

- Curved wall options

## **CHAPTER 11: TOOL BUTTONS, HIP ROOF, AND GABLE ROOF**

Read Unit 11, "The Architect's Scale" in the *Fundamentals of Architectural Design* textbook.

Tutorials for *Chief Architect 9.5*:

- Tool buttons
- Hip roof
- Gable roof

# TABLE OF CONTENTS

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## **CHAPTER 12: CREATING 3D VIEWS**

Read Unit 12, "Architectural Lettering" in the *Fundamentals of Architectural Design* textbook.

Tutorial for *Chief Architect 9.5*:

- Exterior perspective
- Interior perspective
- Cross-sectional view
- Exterior elevation
- Full overview
- Interior elevation

## **CHAPTER 13: DRAWING A PLOT PLAN AND ADDING TEXT**

Read Unit 13, "Architectural Symbols" in the *Fundamentals of Architectural Design* textbook.

Tutorial for *Chief Architect 9.5*:

- Plot plan
- Text

## **CHAPTER 14: COMPUTER-AIDED DRAFTING (CAD)**

Read Unit 14, "Architectural Line Work" in the *Fundamentals of Architectural Design* textbook.

Tutorial for *Chief Architect 9.5*:

- Basic CAD commands

## **CHAPTER 15: THE METRIC SYSTEM AND SPLIT-LEVELS**

Read Unit 15, "Architectural Dimensioning" in the *Fundamentals of Architectural Design* textbook.

Tutorial for *Chief Architect 9.5*:

- Metric System
- Split-levels

## **CHAPTER 16: MULTILEVELS**

Read Unit 16, "Sheet Layouts" in the *Fundamentals of Architectural Design* textbook.

Tutorial for *Chief Architect 9.5*:

- Stairs
- Multilevels

## **PART TWO - SET OF RESIDENTIAL WORKING DRAWINGS**

### **CHAPTER 17: FLOOR PLAN DRAWING**

Read Unit 17, "Drawing Floor Plans" in the *Fundamentals of Architectural Design* textbook.

Tutorial for *Chief Architect 9.5*:

- Refer to Chapters 2 and 3 for the floor plan tutorials.

# TABLE OF CONTENTS

---

## **CHAPTER 18: PLOT PLANS**

Read Unit 18, "Drawing the Plot Plan" in the *Fundamentals of Architectural Design* textbook.

Tutorial for *Chief Architect 9.5*:

- CAD lines
- Plot plan

## **CHAPTER 19: EXTERIOR AND INTERIOR ELEVATIONS AND CEILING HEIGHTS**

Read Unit 19, "Drawing Elevations" in the *Fundamentals of Architectural Design* textbook.

Tutorial for *Chief Architect 9.5*:

- Exterior elevations
- Interior elevations
- Ceiling heights

## **CHAPTER 20: SLAB FOUNDATIONS**

Read Unit 20, "Drawing Slab Foundations" in the *Fundamentals of Architectural Design* textbook.

Tutorial for *Chief Architect 9.5*:

- Slab foundation tools
- Slab foundation construction details

## **CHAPTER 21: T-FOUNDATIONS**

Read Unit 21, "Drawing T-Foundations" in the *Fundamentals of Architectural Design* textbook.

Tutorial for *Chief Architect 9.5*:

- T-foundation tools
- T-foundation construction details
- Predrawn CAD details

## **CHAPTER 22: ROOF PLANS**

Read Unit 22, "Drawing Roof Plans" in the *Fundamentals of Architectural Design* textbook.

Tutorial for *Chief Architect 9.5*:

- Shed roof
- Gambrel roof
- Saltbox roof
- Mansard roof
- Gull wing roof

## **CHAPTER 23: FLOOR-FRAMING PLANS**

Read Unit 23, "Drawing Floor-Framing Plans" in the *Fundamentals of Architectural Design* textbook.

Tutorial for *Chief Architect 9.5*:

- Automatic floor-framing

## **CHAPTER 24: WALL-FRAMING PLANS**

Read Unit 24, "Drawing Wall-Framing Plans" in the *Fundamentals of Architectural Design* textbook.

Tutorial for *Chief Architect 9.5*:

- Wall framing elevation

# TABLE OF CONTENTS

---

## **CHAPTER 25: ROOF-FRAMING PLANS**

Read Unit 25, "Drawing Roof-Framing Plans" in the *Fundamentals of Architectural Design* textbook.

Tutorial for *Chief Architect 9.5*:

- Gable roof review
- Automatic roof framing
- Trussed roof framing
- Manual roof framing

## **CHAPTER 26: ELECTRICAL PLANS**

Read Unit 26, "Drawing Electrical Plans" in the *Fundamentals of Architectural Design* textbook.

Tutorial for *Chief Architect 9.5*:

- Electrical symbol layouts

## **CHAPTER 27: PLUMBING PLANS**

Read Unit 27, "Drawing Plumbing Plans" in the *Fundamentals of Architectural Design* textbook.

Tutorial for *Chief Architect 9.5*:

- Plumbing symbol layout

## **CHAPTER 28: CABIN PLAN SET**

Read Unit 28, "Plan Set for a Cabin" in the *Fundamentals of Architectural Design* textbook.

Tutorial for *Chief Architect 9.5*:

- IRC checklists

## **CHAPTER 29: POTTING SHED PLAN SET**

Read Unit 29, "Plan Set for a Potting Shed" in the *Fundamentals of Architectural Design* textbook.

- Answer the 80 blueprint reading questions.

## **CHAPTER 30: NEW IDEAS IN DESIGN AND CONSTRUCTION**

Read Unit 30, "Advancements in Design and Construction" in the *Fundamentals of Architectural Design* textbook.