

Reading House Plans & Construction Drawings



5-8 hours to complete with review of content, quizzes, final test and review of downloadable materials.

3 quizzes plus practice exercises

Final test 100 questions

Passing mark on final test = 70

BLUE HOUSE
ENERGY

COURSE DESCRIPTION

Reading House Plans and Construction Drawings is for builders, tradespeople, site managers, estimators, and project managers as well as real estate agents, home appraisers, home inspectors, and building inspectors. This course is a comprehensive overview of construction drawings, ideal for those with little or no experience. By the end, you will be able to use house plans to find trade information and perform simple material take offs. Course topics also include an overview of the design process, architectural and engineering scales, floor plans and elevations.

LEARNING OBJECTIVES

Module 1: Overview

- Demonstrate an elementary knowledge of plan reading as it relates to home construction
- Describe how construction drawings are used for effective communication
- Explain how to navigate a set of construction drawings

Module 2: Floor Plans

- Explain the purpose of plan drawings
- Interpret common architectural symbols and abbreviations
- Locate and identify key features in the plan view

Module 3: Elevations, Sections & Details

- Explain the purpose of elevation, section, and detail drawings
- List the information provided by elevation, section, and detail drawings
- Demonstrate how to extract basic specifications and information from construction drawings

Reading House Plans & Construction Drawings

COURSE OUTLINE

Module 1: Overview

Plan Reading

Purpose

History

Communication

Language of Construction

Phases of Construction

Series

Navigating Plans

The Drawing Set

Scale & Grid

Module 2: Floor Plans

Floor Plans

Line Weights

Line Types

Grid Lines & Labels

Symbols & Abbreviations

Horizontal Slice

Symbol Sets

Dimensions

Designations

Doors & Windows

Schedules

Key Features in Plan View

Schedules

Doors & Windows

Finishes

Equipment

Module 3: Elevations, Sections & Details

Elevations

Purpose & Use

Exterior Features

Aggregate View

Sections

Symbols in Sections

Types & Categories

Assembly Cross-Sections

Feature Checklist

Details

Use & Types of Details

Break Line

Typical Scales

Common Details

Complexity and Number

