Construction Plan Reading and Specification Training Course

Professional Development Training Course Outline

Category	Development	**Duration**	5 Days
Base Fee	$1,500 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

The Construction Plan Reading & Specification Training Course is an industry-focused training program designed for construction professionals, engineers, architects, and project managers seeking to sharpen their skills in interpreting construction drawings and technical specifications. With the construction industry booming and projects growing more complex, the ability to accurately read blueprints, understand symbols, and apply specifications is crucial for success. Construction Plan Reading & Specification Training Course empowers learners to confidently navigate architectural, structural, mechanical, and electrical drawings—an essential skill in today's competitive market.

Through a practical and immersive learning approach, participants will gain hands-on experience in blueprint interpretation, material callouts, code compliance, construction documentation, and project coordination. Whether you're in residential construction, commercial development, or infrastructure planning, this course helps streamline communication, reduce errors, and improve project timelines. With a focus on digital construction, BIM integration, technical documentation, and construction literacy, this course equips learners with tools for immediate job-site impact and long-term career growth.

Programme Curriculum

Construction Plan Reading and Specification Training Course

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Course Objectives

1. Understand construction plan fundamentals and blueprint language.
2. Interpret architectural symbols, legends, and abbreviations.
3. Analyze floor plans, elevations, sections, and site layouts.
4. Read and apply structural and mechanical drawings.
5. Navigate MEP (Mechanical, Electrical, Plumbing) plans effectively.
6. Apply building codes and regulatory standards from specifications.
7. Understand material takeoffs and cost estimation basics.
8. Identify construction documents in the project lifecycle.
9. Coordinate with contractors and stakeholders using plan sets.
10. Utilize digital blueprints and mobile construction software.
11. Enhance project communication and reporting accuracy.
12. Minimize risks by interpreting specs correctly.
13. Build job-ready skills in blueprint reading and spec interpretation.

Target Audience

1. Construction Project Managers
2. Civil Engineers
3. General Contractors
4. Architecture Students
5. Site Supervisors
6. Estimators and Quantity Surveyors
7. Construction Inspectors
8. Interior Designers and Space Planners

Course Duration: 5 days

Course Modules

Module 1: Introduction to Construction Drawings

- Types of construction drawings
- Understanding plan sets and scales
- Line types and drawing formats
- Roles of drawings in project phases
- Key stakeholders in plan creation

Module 2: Architectural Plans & Symbols

- Reading floor plans and elevations
- Understanding architectural symbols
- Wall types and materials
- Sectional views and details
- Architectural dimensioning

Module 3: Structural Plans

- Structural framing plans
- Foundation drawings and load paths
- Reinforcement schedules
- Steel and concrete structures
- Load calculations overview

Module 4: Mechanical, Electrical & Plumbing (MEP)

- MEP plan components
- HVAC layout reading
- Electrical panel schedules
- Plumbing system interpretation
- Coordination of MEP drawings

Module 5: Specifications & Code Compliance

- Division of specifications (CSI format)
- Material and workmanship standards
- Fire safety and accessibility codes
- Legal and regulatory overview
- Interpreting technical details

Module 6: Digital Plan Reading & BIM Tools

- Using PDF blueprint software
- BIM basics and applications
- 3D model overlays on drawings
- Mobile construction tech tools
- Version control and collaboration

Module 7: Material Takeoff & Estimating

- Quantity takeoff techniques
- Reading schedules and material lists
- Cost estimation basics
- Waste factors and allowances
- Estimating software introduction

Module 8: Construction Coordination & Documentation

- Document submittals and RFIs
- Drawing revisions and change orders
- Project communication protocols
- Drawing logs and documentation
- Final plans and as-built drawings

Training Methodology

- Video tutorials
- Real-world construction documents
- Live instructor-led sessions
- Group activities
- Downloadable reference materials

Register as a group from 3 participants for a Discount

Send us an email: info@fineskilltrainingcenter.org or call *+254769199797*

Certification

Upon successful completion of this training, participants will be issued with a globally- recognized certificate.

Tailor-Made Course

We also offer tailor-made courses based on your needs.

Key Notes

a. The participant must be conversant with English.

b. Upon completion of training the participant will be issued with an Authorized Training Certificate

c. Course duration is flexible and the contents can be modified to fit any number of days.

d. The course fee includes facilitation training materials, 2 coffee breaks, buffet lunch and A Certificate upon successful completion of Training.

e. One-year post-training support Consultation and Coaching provided after the course.

f. Payment should be done at least a week before commence of the training, to Fineskill Training Center account, as indicated in the invoice so as to enable us prepare better for you.

Upcoming Scheduled Sessions

Start Date	End Date	Location	Price
23 Nov 2026	27 Nov 2026	Online	$1,000
23 Nov 2026	27 Nov 2026	Physical	$1,500
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$4,500
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$6,000

Ready to enroll or request a customized program? Book online or contact us:

Register Online Now

Email: info@fineskilltrainingcenter.com | Website: www.fineskilltrainingcenter.com