

"Blueprint Reading"

Get Trained By the Experts

Blueprint Reading Construction blueprints (also known as construction plans or construction drawings) are two-dimensional drawings that contain all the details that are needed for a project. These details are needed to request permits, determine the construction schedule, and eventually do the construction itself.

Every construction worker needs to know how to read blueprints. In fact, anyone that tries to skip this step is going to find that their work will not be done properly, nor will they ever be good at their job. Therefore, every tradesman, subcontractor, and contractor will need a lesson on reading blueprints before they start their careers.

Blueprint reading class is a face-to-face course specially dedicated to professionals oriented to construction who aspire to be a site manager and have the lead of an executive project.

What the students will learn?

- Learn how to read architectural, structural and MEP plans.
- Learn to Decipher symbols, and legends.
- Understand all the specifications and construction details that may contain a full set of construction projects.
- Define different types of scales used on drawings.
- Identify the height, width, and length dimensions of a drawing.
- Draw multiview sketches of simple objects that accurately show all the details of the objects.
- Elaborate estimate
- Learn how to lead a team

Requirements for the course?

- Have proper knowledge on construction developments.
- Have knowledge on Geometry

Whom is this course for?

- All professionals oriented to construction, such as Helpers, Contractor, Carpenter, Masons Ect...

BLUEPRINT PROGRAM

1. INTRODUCCION

Getting Started with Site manager description, roles, duties, Skills and responsibilities.

- What is a site manager?
- What do a Site Manager do?
- Site Manager Roles and responsibilities
- Essential skills required to be a Site Manager.
- What is a Blueprint set plans?
- Understanding different discipline designators on a drawings set plans.
- Architectural scales concept and scale drawings.
- Lists of sheets required in a complete Architectural Drawings.

2. ARCHITECTURAL PLANS

Understanding architectural plans, Legends, Symbols, and abbreviations. Diverse temperament types & leadership Styles.

- Concept of architectural plans.
- Cover sheet, Drawing list, Legends (Symbols and abbreviations), Assembly types, Schedule & Building Code Review
- Site plans and details, Landscape plans and Details (4)
- Floor plans, Roof Plans and Framing Plans.
- Exterior Elevations, Building and walls sections.
- Enlarged plans or Callout
- Doors and windows schedules.
- Interior Elevations (Finishes, Furniture and Fixture plans
- Millwork Plans, Elevations and Details.
- The characteristics of the Site Manager on the construction site.
- The Role of Temperament in Leadership
- The four types of temperament and their characteristics
- Revision and Tasks

3. STRUCTURAL PLANS

Understanding Beams, Columns, Slabs, Joints, Bearing Walls, Roof, Footings, Transit Level, etc....

- Foundations Plans, Slabs Plans, Columns Schedules & Structural Details Reading
- Bearing Wall, Structural Details
- Structural Drawings Exercises & Structures Calculations
- Beams Schedule & Slab Roof Details & Framing Roof Details
- 1 Way Slab & 2 Way Slab, Concrete Dosage Type (28)
- Section review
- Transit Level

4. MEP PLANS

Understanding Electrical, Mechanical and Plumbing Plans.

- 2. Sanitation Plans
- 3. Plumbing Plans
- 4. Gas Plans
- 5. Electricity Plans
- 6. Telecommunications Plans
- 7. Air conditioning plans