



IIGDT Training

“Basic Blueprint Reading”

Objective:

To understand the basic components, sections, views, terminology and graphical representation of an engineering drawing.

Course Length:

1 day

Course Content:

Background to Engineering Drawing Development

Acknowledgement of Related Engineering Standards

Review of Applicable Terms and Definitions

Evaluation of Engineering Drawing Components

- Line Types
- Dimensions (baseline, chainline, coordinate, basic and reference)
- Tolerances (linear, angular, bilateral, unilateral)
- Symbols
- Border
- Title Block
- Revision Block
- Notes (general & specific)

Review of Basic Drafting Conventions

- Third Angle Projection -vs- First Angle Projection
- Isometric Views
- Orthographic Views
- Section Views

Evaluation of Generic Sample Part

Multiple Exercises to Reinforce Views, Projections and Drafting Practices

Overview of Progression to “GD&T Level II: Introduction & Fundamentals”

Prerequisites:

None

Who should attend?

Individuals who need to understand terminology and graphical representation of engineering drawings. Beginning operators and technicians, administrative assistants to technical groups, sales and purchasing representatives who deal with mechanical components and assemblies will all greatly benefit.