

Mechanical Blueprint Reading

2 Day Seminar



DESCRIPTION:

Working drawings contain the graphic information necessary to complete a job.

Working drawings are made by the conventional method using T-squares, triangles and other drafting instruments or by the CAD method, using computer hardware and software. Prints are reproductions of the working drawings. Machinists read and follow prints to complete the job. This course presents a thorough foundation for understanding prints used for manufacturing and machining. Print reading begins with the basic techniques for representing different drawing types; including common dimensioning and tolerancing methods.

- Architectural
- Engineering
- Assembly drawings

This course also deals with math machinists frequently encounter. Next the course presents special types of views needed to describe complex shapes and a discussion of various materials and their properties.

Each student receives:

- ❶ Published textbook
- ❷ Course Certificate
- ❸ **Symbol Reference Poster**
- ❹ Set of Drawing Equipment

For registration or more information call **303.838.7396**
or email armin@deltaparadigm.com

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Mechanical Blueprint Reading

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- Drawing Types
 - Architectural Drawings
 - Engineering Drawings
 - Shop and Assembly Drawings
 - Types of lines used
 - Sectioning
 - Symbols and Abbreviations
 - Dimensioning Systems
 - Dimensioning Tolerances
 - Thermal Expansion Allowances
 - Bolt Circles
 - Curve and Radius Dimensions
 - Scale Drawings
 - Hand Sketching; Exercise
 - Hands-on Drawing Exercises
 - Precision Measurement Review, Hands-on Exercises
- Bevel, Slope, Pitch
 - Degree of Finish
 - Thread Types and Designations
 - Welding Symbols
 - Welding Terminology
 - NEMA Motor Frame Size Dimensioning
 - Fluid Power Symbols
 - Fluid Power Circuit Sketching; Exercise
 - Structural Steel Drawings
 - Concrete Construction Drawings
 - Piping Drawings, Standard Pipe Sizing

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