

W. M. HUITT CO. ONLINE TRAINING COURSE - MODULE I

DRAWINGS AND OTHER DOCUMENTS

60 Minute Course Synopsis

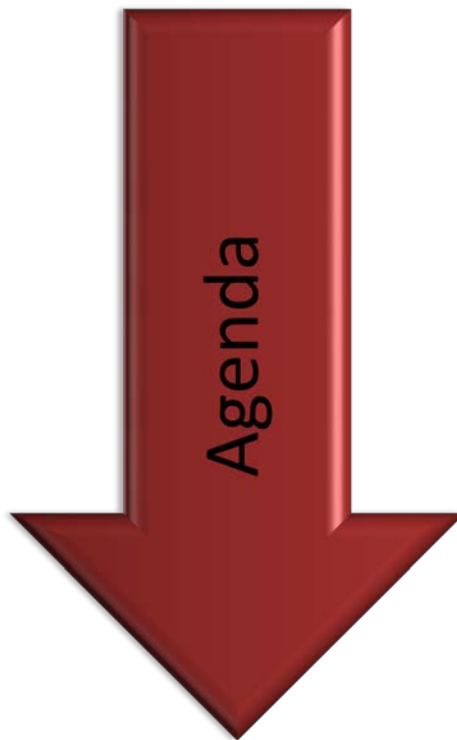
Course Description: This course will provide the novice Pipe Designer and CAD Operator with information on the types of drawings and documentation they will need to plan and execute piping design, fabrication, installation and testing. In addition to the necessary drawings needed for a project there are other documents required to control and document the various aspects and stages of the design through construction process.

Who Should Attend: This course is useful to beginning designers and CAD operators that wish to have a better understanding of the types of drawings and documentation necessary to design and construct piping systems.

Abstract of the Online Course

The proper drawings and other documentation set the tone and provide a high degree of control needed on a piping project. This course steps the attendee through the types of drawings required on a project and describes the revision process as drawings move from concept to detail design. Topics of discussion will include a proper method used to define and describe changes on a revision and the difference between preliminary drawing status and approved drawing status.

In conjunction with drawings there will be discussion regarding the various other documents and forms used in providing both guidance and records for design, construction, and testing. Various sample documents will be used to demonstrate their suggested content and use.



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60 Minute Course Agenda

- I. Types of Drawings typically used in piping design
- II. Making revisions to preliminary and approved drawings
- III. Process Flow Diagram (PFD)
- IV. Piping & Instrument Diagram (P&ID)
- V. Instrument Society of America (ISA) identification letters
- VI. Orthographics
- VII. Sections
- VIII. Elevations
- IX. Perspective View
- X. Detail Drawing
- XI. Pipe Support Details
- XII. Installation Details
- XIII. Fabrication Drawings
- XIV. Spool Drawings
- XV. Other piping documents and forms
 - a. Pipeline or Pipe System List
 - b. Tie-In List
 - c. Equipment Removed or Installed for Testing
 - d. Leak Test Checklist
 - e. Hydrostatic Leak Test Data Form for Piping
 - f. Pneumatic Leak Test Data Form for Piping
 - g. Static Head Leak Test Data Form for Piping
 - h. Initial Service Leak Test Data Form for Piping
 - i. Sensitive Leak Test Data Form for Piping
 - j. Alternate Leak Test Data Form for Piping

END OF COURSE