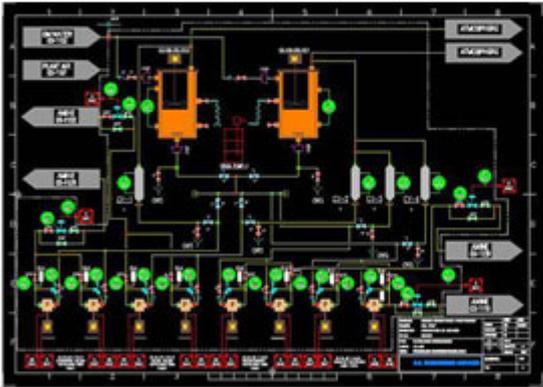


Process Drawings

Written by Administrator

Tuesday, 29 December 2009 16:26 - Last Updated Tuesday, 07 February 2012 14:36

PROCESS DRAWINGS



PROCESS FLOW DIAGRAMS



ROOF / FLOOR PLANS



PIPING AND I
DIAG

Piping and Instrument Diagrams

- Field sketch of piping and system components
- System Instrumentation and Controls
- AutoCAD services
- Valve Tag installation per ASHRAE-15 requirements
- Pipe Label installation per ASME A13.1 requirements

PCPI provides piping and instrumentation diagram (P&ID drawing) services to facilities for designers, engineers and compliance managers. Piping and instrumentation diagrams (P&ID's) are an integral part of any maintenance program, operational support or training program. PCPI has served clients around the country since 2006. Our experienced team has the ability to satisfy our client's P&ID projects needs with expertise in managing mechanical engineering drawings and designs used in a variety of industries.

Piping and Instrumentation Diagram (P&IDs)

- * Pipe lines are represented by single lines in P&ID
- * Instrumentation signals and connection lines are represented by different types of dashed

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lines

- * Industry standards for the P&ID are ISA S5.1 and ISO 14617-6
- * P&ID should be readable either from left to right or from right to left of the drawing
- * P&ID is the representation of the process equipment / instruments sequences.

Piping and Instrumentation diagram (P&ID drawings) includes:

- * Instrumentation and designations
- * Mechanical equipment with names and numbers
- * All valves and their identifications
- * Process piping, sizes and identification
- * Miscellaneous - vents, drains, special valves, reducers, solenoids and regulators.
- * Flow directions
- * Control inputs and outputs, interlocks
- * Computer control system input