

Reading Plans & Specifications

1. Access, analyze, and process the important information needed to build a cost effective duct system.
2. Use planning strategies that bridge the gap between design theory and common trade practice.
3. Improve your communication skills, problem solving capabilities and task management.

These are the essential skills needed to maximize your productivity in the most common types of Sheet Metal Work and to build a foundation for the specialty work of our trade jurisdiction.(Supervision, Duct Design, Detailing, Estimating, Service, TAB, and Energy Management. (See SMW Constitution Sect. 5 pages 1-10.)

TOPICS COVERED: DESIGN PLANS, SPECIFICATIONS, SHOP DRAWINGS, EQUIPMENT SUBMITTALS, CODES, SMACNA STANDARDS, DUCT DESIGN, COST ANALYSIS, FIELD MEASURING, RFI'S, CAD BASICS & HAND DRAFTING EXERCISES (used to improve visualization skills)

The Detailing One course objective is to develop skills in the use of Auto Cad. The course assignment is to layout walls, steel and ductwork using the most common Auto Cad tools.

The Detailing Two course is intended to develop the skills required to layout a clear, concise and accurate sheet metal shop drawing. The course assignment is to detail a sheet metal shop drawing.

Students enrolled in the Detailing Three course will learn the procedures required to layout the components of a mechanical room with the course assignment of preparing a shop drawing of a mechanical room.