



**RELATED INSTRUCTION OUTLINE OF THE
SHEET METAL WORKER CURRICULUM**

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(3RD Edition)

SHEET METAL LEVEL 2			
Module #	Module Name	Module Objectives	Perf. Profile
1	04201-08 Trade Math Two	Demonstrates how to apply formulas to solve a variety of mathematical problems. Covers linear, area, volume, and angle measurement and percentage, ratio, and proportion. Provides practical instruction in using protractors, vernier calipers, and micrometers and in solving field measuring problems.	No
2	04202-08 Plans and Specifications	Reviews how to read and interpret section, elevation, and detail drawings. Also covers other specifications and other sources of project information. Includes 17 construction drawings.	No
3	04203-08 Fabrication Two-Radial Line Development	Introduces trainees to radial line development principles that are used to determine layouts for sheet metal fittings. Includes practice layout and fabrication tasks that allow trainees to develop and demonstrate their skills.	Yes
4	04204-08 Sheet Metal Duct Fabrication Standards	Explains how to determine the various requirements for a duct system, including operating pressures, metal gauges, connectors, reinforcements, tie rods, and seams. Also reviews how to use standards, codes, and ordinances to design a duct system.	Yes
5	04205-08 Air Properties and Distribution	Explains the properties of air and how these properties relate to one another. Teaches how to use the gas laws, psychrometric charts, and measuring instruments to evaluate air properties in an air distribution system.	Yes
6	04206-08 Bend Allowances	Provides instruction and practice in determining proper bend allowances in sheet metal. Also reviews the interplay of different factors that affect the amount of bend allowance needed and the methods for calculating allowance.	Yes
7	04207-08 Soldering	Identifies soldering tools, materials, and techniques. Also provides trainees with a wide range of soldering tasks for practice.	Yes
8	04208-08 Basic Piping Practices	Reviews the methods for measuring, cutting, and joining selected types of pipe using fittings, hangers, and supports. Also reviews pipe materials and applications.	Yes
9	04209-08 Fiberglass Duct	Reviews fiberglass duct as well as layout and fabrication methods. Also discusses closure, hanging, and support methods and how to repair major and minor damage to fiberglass duct.	Yes