

APPENDIX A

PROGRAM OUTLINE

STEAMFITTER / PIPEFITTER LEVEL TWO

Program Outline

Steamfitter / Pipefitter Level Two

Use Tools and Equipment

- Use Measuring and Leveling Tools
- Use Rigging and Hoisting Equipment

Organize Work

- Use Mathematics and Science (including Electricity)
- Read Drawings and Specifications
- Plan a Project

Prepare and Assemble Piping Components

- Join Pipe
- Describe Pumps

Install Hydronic Heating and Cooling

- Describe the Operation of Hydronic Heating and Cooling Piping Systems
- Describe the Controls for Hydronic Heating and Cooling Systems
- Install, Test and Commission Hydronic Heating and Cooling Systems
- Maintain and Repair Hydronic Heating and Cooling Systems

Program Outline Steamfitter / Pipefitter Level Two Cont'd.

Perform Layout, Fabrication and Installation

- Prepare Pipe and Fittings
- Develop and Use Templates
- Develop a Simple Spool Sheet
- Fabricate from Spool Sheets
- Use Welding Equipment
- Bend Pipe
- Install Supports, Hangers, Guides and Anchors
- Erect a Piping Assembly
- Test and Commission a Piping Assembly

Special Application Systems

- Install Marine Systems Piping
- Install Hydraulic Piping Systems
- Install Pneumatic and Compressed Air Piping Systems