TRADE SCHEDULE FOR: SHEET METAL WORKER

This trade schedule is attached to and a part of the Apprenticeship Standards for the above identified occupation. This sequence of Related Classroom Instruction is competency based and will be offered as traditional classroom training or independent study, which may include: Internet-learning, video telecast and CD-ROM.

1. TERM OF APPRENTICESHIP

The term of the occupation shall be 4 years with an OJT attainment of 8000 hours supplemented by the required hours of related technical instruction.

2. RATIO OF APPRENTICES TO JOURNEYPERSONS

The Ratio of Apprentices to Journeypersons will be 1:1 for the first 3 apprentices and 1:3 thereafter.

3. APPRENTICE WAGE SCHEDULE

Apprentices shall be paid a progressively increasing schedule of wages based on a percentage of the current journeyperson wage rate.

Term: 8000 Hours

0000 - 1000 hours - 52%	of Journeyperson's rate
1001 - 2000 hours - 56%	of Journeyperson's rate
2001 - 3000 hours - 60%	of Journeyperson's rate
3001 - 4000 hours - 64%	of Journeyperson's rate
4001 - 5000 hours - 68%	of Journeyperson's rate
5001 - 6000 hours - 72%	of Journeyperson's rate
6001 - 7000 hours - 75%	of Journeyperson's rate
7001 - 8000 hours - 79%	of Journeyperson's rate
8001 + - 90%	of Journeyperson's rate

The Journeyworker wage rate on _____ $ _____

4. SCHEDULE OF WORK EXPERIENCE (See attached Work Processes/Work Experience Schedule)

Apprenticeship Committees may add to the work processes prior to submitting these Standards to the appropriate Registration Agency for approval.

5. SCHEDULE OF RELATED INSTRUCTION (See attached Related Classroom Instruction Outline)

Curriculum is based on Industry Standardized applications of current construction practices in the referenced craft and is skill-based including a system for assessment. The assessment will include task objectives, procedures, review materials, and competency-based performance tests. Curriculum is designed to be completed in levels of instruction as indicated in the outline. The levels of instruction are designed to

reflect a commonly accepted progression of instruction consistent with a continuous growth and understanding of the craft and attainment of the related craft skills. Levels comprise successive tiers of instruction and meet the minimum Apprenticeship, Training, Employer, and Labor Services requirement for classroom-related training.

A4.1- WORK PROCESSES/WORK EXPERIENCE SCHEDULE HOURS

This instruction and experience shall include the following operations but not necessarily in the listed sequence. Time spent on specific operations need not be continuous.

1. Use of hand tools	350
2. Use of machine tools and processes	1000
3. Flux, rivets, and fastening devices	500
4. Measurements and layouts	650
5. Benchwork	1100
6. Welding	750
7. Installing duct work and equipment	2050
8. General sheet fabrication and installation of skylights and ventilators	1000
9. Safety practices	500
10. Insulation of duct work (lining, etc.)	100
TOTAL HOURS	**8000**

A5.1- SHEET METAL WORKER RELATED CLASSROOM INSTRUCTION

Modules	Hours
Basic Safety 15	
Introduction to Construction Math 15	
Introduction to Hand Tools 10	
Introduction to Power Tools 5	
Introduction to Blueprints 7.5	
Basic Rigging 20	
Introduction to the Sheet Metal Trade	5
Fasteners, Hangers, and Supports	7.5
Installation of Air Distribution Accessories	5
Insulation	7.5
Introduction to Sheet Metal Layout and Processes	7.5
Trade Math I	12.5
Fabrication I — Parallel Line Development	22.5
Trade Math II	20
Basic Piping Practices	7.5
Fabrication II-Radial Line Development	55
Bend Allowances	5
Blueprints and Specifications	20
Air Properties and Distribution	15
Sheet Metal Duct Fabrication Standards	7.5
Soldering	15
Fiberglass Duct	20
Trade Math III: Field Measuring and Fitting	15
Airside Systems	10
Introduction to Welding, Brazing, and Cutting	20
Principles of Refrigeration	7.5
Principles of Air Flow	22.5
Comprehensive Blueprint and Specification Reading	30
Fabrication Three: Triangulation	40
Architectural Sheet Metal	15
Shop Production and Organization	25
Air Balance	15
Fabrication Four	60
Louvers, Dampers and Access Doors	17.5
Hoods and Ventilators	10
Fume and Exhaust Systems Design	25
TOTAL HOURS	**622.5**