

Appendix A

Assembler, Pre-Engineered Metal Building
O*NET-SOC CODE: 47-2221.00 RAPIDS CODE: 0877

This schedule is attached to and a part of these Standards for the above identified occupation.

1. TERM OF APPRENTICESHIP

The term of the occupation shall be two (2) years with an OJL attainment of 4000 supplemented by the required hours of related instruction.

2. RATIO OF APPRENTICES TO JOURNEYWORKERS

One (1) apprentice may be employed in each jobsite employing every three (3) qualified journeyworkers.

3. APPRENTICE WAGE SCHEDULE--SAMPLE

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

2 Year Term Example:

1 st	6 months + hours = ____	2 nd	6 months + hours = ____
3 rd	6 months + hours = ____	4 th	6 months + hours = ____

4. SCHEDULE OF WORK EXPERIENCE (See attached Work Process Schedule)

The Sponsor may modify the work processes to meet local needs prior to submitting these Standards to the appropriate Registration Agency for approval.

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

Appendix A

WORK PROCESS SCHEDULE

Assembler, Pre-Engineered Metal Building

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Description: Erects prefabricated metal buildings according to blueprint specifications and engineering drawings, using hand tools, power tools, and hoisting equipment. Erects frame of buildings using a hoist. Bolts steel frame members together. Attaches bracing and insulating materials to framework. Screws corrugated sheet metal roof and siding panels to framework. Reads blueprints to determine location of items such as doors, windows, ventilators, and skylights and installs items using cutting torches, wrenches and power drill. Trims excess sheet metal using power saws, power shears and tin snips. Installs corner, gable, rake, door and window trims. Installs gutters and downs. Clean-up.

On The Job Training: Hours	Approx
1. Job Site Safety and Fall Protection	150
2. Materials Identification	25
3. Tools <ul style="list-style-type: none"> a. name and proper use b. care 	100
4. Equipment <ul style="list-style-type: none"> a. Light-blocks, ropes, etc. b. heavy cranes, fork lifts, boom trucks, man lifts, etc. 	100
5. Pre-Assembly Procedures <ul style="list-style-type: none"> a. Safety and Emergency Services b. Concrete and Anchor Bolts c. Conditions at work site 	50
6. Hoisting <ul style="list-style-type: none"> a. Rigging b. Ground Control Signals c. Unhooking 	200
7. Assembly <ul style="list-style-type: none"> a. Materials Planning <ul style="list-style-type: none"> • Planning and Scheduling • Handling and Inventory • Storage and Protection • Unloading and Shake-out b. Structural <ul style="list-style-type: none"> • Primary Framing • Secondary Framing c. Fitting Up 	2500

	<ul style="list-style-type: none"> • Bracing • Plumbing and Squaring • Field Adaptation • Builders Transit <p>d. Covering</p> <ul style="list-style-type: none"> • Wall Panels <ul style="list-style-type: none"> i. Layout ii. Insulation iii. Standard ribbing panels iv. Concealed fastener panels v. Accessories vi. Field adaptation • Roof Panels <ul style="list-style-type: none"> i. Layout ii. Insulation iii. Standard ribbing panels iv. Standing seam panels v. Composite panels vi. Accessories vii. Field adaptation 	
8.	Trim and Flashing Field Adaptation	600
9.	Field Adaptation <ul style="list-style-type: none"> a. Structural b. Masonry c. Crane and Hoist 	100
10.	Reading Job Plans and Specifications	100
11.	Job Completion <ul style="list-style-type: none"> a. Final Clean-up b. Punch List 	75
	Total On the Job Training	4000

Related Instruction Outline		Approx Hours
1.	Orientation a. Company Policy Safety and Fall Protection b. Customer Relations c. Job Descriptions and Qualifications d. Understanding of Profit and Overhead	10
2.	OSHA (local College)	10
3.	Testing	2
4.	Audio Visual, Field Trips and Guest Speakers	10
5.	Introduction to the Trade	7.5
6.	General Safety	5
7.	Trade Math	10
8.	Introduction to Blueprint Reading	7.5
9.	Types of Fasteners	5
10.	Types of Insulation	5
11.	Hand Tools	17.5
12.	Power Tools	17.5
13.	Bolting and Aligning	5
14.	Plumbing and Leveling Devices	5
15.	Rigging	20
16.	Erecting Interior Bays	10
17.	Erecting End Bays	7.5
18.	Plumbing, Leveling and Squaring	5
19.	Wall Panel Types and Coatings	5
20.	Layout and Installation of Wall Coverings	17.5
21.	Tips from Erectors (MBI – DVD Series)	2
22.	Tools of The Trade (MBI – DVD Series)	2
23.	Unloading, Material Handling and Staging (MBI – DVD Series)	2
24.	Framing (MBI – DVD Series)	2
25.	Windows and Doors (MBI – DVD Series)	2
26.	Fiberglass Insulation (MBI – DVD Series)	2
27.	Wall Sheeting Installation (MBI – DVD Series)	2
28.	Exposed Fastener Lap Seam Roofs (MBI – DVD Series)	2
29.	Standing Seam Roofs (MBI – DVD Series)	2
30.	Roof Penetration and Curbs (MBI – DVD Series)	2
31.	Flashing, Trim and Gutters (MBI – DVD Series)	2
32.	Internal Gutters and Transitions (MBI – DVD Series)	2
33.	MBI – Review and Test	12
34.	Introduction to Erection Materials	10
35.	Introduction to Burning (cutting torch) (local College)	10
36.	First Aid Certification (local College)	10
37.	Math (local College) Pre-algebra and Plane Geometry	10
38.	Intermediate Blueprint Reading (local College)	10

	Specifications and Engineering Drawings	
39.	Advanced Burning and Basic Welding (local College)	10
40.	Introduction to Job Costing	3
41.	Audio Visual, Field Trips and Guest Speakers	10
42.	Mastic and Sealants	5
	Total Related Instruction	296