

# Architectural Sheet Metal Worker

## CERTIFICATE OF QUALIFICATION EXAM BREAKDOWN

The following table shows the number of questions per General Area of Competency (GAC) and Competency on the *Architectural Sheet Metal Worker Certificate of Qualification Exam*.

**Number of questions on each exam: 120**

Certificate of Qualification GAC/Competency	#
<b>A. USE SAFE WORK PRACTICES</b>	<b>5</b>
A1. Use Personal Protective Equipment	2
A2. Use WorkSafeBC Regulations	0
A3. Use WHMIS	1
A4. Identify Hazards and Emergency Procedures	0
A5. Select Fire Extinguishers	2
A6. Complete Level 1 First Aid Certification	0
<b>B. USE TOOLS AND EQUIPMENT</b>	<b>7</b>
B1. Use Hand Tools	2
B2. Use Power Tools	1
B3. Use Powder Actuated Tools	0
B4. Use Shop Equipment	1
B5. Use Ladders, Scaffolds and Platforms	2
B6. Use Fasteners and Sealants	1
<b>C. ORGANIZE WORK</b>	<b>9</b>
C1. Interpret Drawings and Specifications	3
C2. Estimate Materials	2
C3. Communicate with Others	0
C4. Measure and Sketch Shop Project Components	1
C5. Identify Metals and Properties	3
<b>D. USE TRADE MATH</b>	<b>9</b>
D1. Use Basic Trade Math	2
D2. Solve Problems Using Formulas	3
D3. Solve Problems Using Pythagorean Theorem	2

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D4. Solve Problems Using Trigonometry	2
<b>E. EXAMINE SYSTEMS</b>	<b>10</b>
E1. Identify Systems	2
E2. Identify Support Structures	2
E3. Identify Building Envelope	3
E4. Examine Wall Systems	0
E5. Examine Roof Systems	0
E6. Examine Specialty Products	1
E7. Examine Specialty System Components/Accessories	2
<b>F. FABRICATE PRODUCTS AND COMPONENTS</b>	<b>19</b>
F1. Seams, Locks, Edges and Joints	7
F2. Fabricate Components	12
<b>G. INSTALL PRODUCTS</b>	<b>32</b>
G1. Use Hoisting, Lifting and Rigging Equipment	6
G2. Install Roofing and Wall Components	14
G3. Prepare Substrate	7
G4. Install Specialty Components	5
<b>H. LAYOUT AND DEVELOP PATTERNS</b>	<b>17</b>
H1. Use Drafting Equipment for Geometric Construction	1
H2. Draw Orthographic and Pictorial Drawings	5
H3. Produce Patterns Using Parallel Line Development	5
H4. Produce Patterns Using Radial Line Development	1
H5. Produce Patterns Using Triangulation	5
<b>I. WELD AND SOLDER</b>	<b>12</b>
I1. Cutting Techniques	2
I2. Select and Use Welding Equipment for SMAW	4
I3. Select and Use Welding Equipment for GMAW	3
I4. Demonstrate Soldering Techniques	3
<b>Total:</b>	<b>120</b>