

DATE: March 28, 2025		LOCATION: NSCC AKERLEY CAMPUS
TIME	TASK	
7:30am	Orientation	
8:00am	Project starts	
12:00pm	Lunch break	
12:30pm	Project resumes	
3:30pm	Contest ends	
3:30pm-4:30pm	Judging	

### 1. Purpose of the Contest

To assess the contestant's ability in the field of sheet metal. Contestants must demonstrate their knowledge in reading project drawings, layout, and fabrication.

### 2. Number of Stations

There are four (4) stations available.

### 3. Skills & Knowledge to be Tested

Contestants will be asked to demonstrate some of the necessary skills and abilities needed to succeed in today's Sheet Metal trade.

These include but are not limited to the following:

- Shop fabrication of various sheet metal items, including cutting, forming, notching, and seaming
- operations with the ability to work within required tolerances and specific measurements in
- imperial units.
- Knowledge and application of common seams and edges used in the Sheet Metal trade.
- Proper use of hand tools and shop machinery; as needed to develop ornamental sheet metal items.

### 4. Prerequisites

Post-Secondary competitors must meet the following criteria in the current school year:

- Be enrolled in a community college, university, private school OR be a registered apprentice with the Department of Labour and Advanced Education (Apprenticeship Agency);

- Be registered as a competitor with Skills Canada – Nova Scotia;
- The competitor cannot be a certified journey-person;
- Possess Canadian citizenship or Permanent Resident (Landed Immigrant) status and be a resident of Nova Scotia; or be a registered International Student. Competitors are responsible for verifying this information if requested;
- Have been earning post-secondary credits in a sector relevant to the one in which they wish to compete (i.e. to compete in carpentry, the student would be earning credits in any construction-related trade) at any time during the academic school year (September to June);
- All competitors must be able to show either current apprenticeship status and/or proof of enrollment in a post-secondary institution upon request of the Provincial Technical Committee (PTC) or Skills Canada – Nova Scotia.
- Have completed and submitted a signed release form

## **5. Equipment & Clothing**

### **What will be supplied:**

- All project materials (metals & fasteners)
- Safety equipment (gloves, safety glasses)
- Cordless drill, brake, squaring shears, rotary forming machine, turret punch, slip-roll forming machine, rivet gun, bar folder, snips, and stakes.

### **What Competitors must supply:**

- Screwdrivers (Standard and Robertson)
- Aviation snips (left and right cutting)
- Combination snips
- Dividers (2 sets)
- Marking gauge
- Tape measure
- Hand seamers (folding pliers)
- C-clamp vice grips (2 sets)
- Standard vice grips (2 sets)
- Flat file
- Markers
- Half round file
- 12" rule
- Centre punch
- Scratch awl
- Mallet
- Body hammer
- Tinner's hammer
- Protractor
- Adjustable wrench
- Combination square
- Calculator

## 6. Evaluation & Judging Criteria

<b>POINT BREAKDOWN</b>	
Overall Appearance	<b>/ 20</b>
Accuracy and Dimensions	<b>/ 20</b>
Assembly and Fit-up	<b>/ 20</b>
Seams, Edges and Fasteners	<b>/ 20</b>
Cutting and Notches	<b>/ 20</b>
<b>TOTAL</b>	<b>_____ / 100</b>

No ties are permitted in case of a tie the following tiebreakers will be used:

Tiebreaker #1: Material Usage

Tiebreaker #2: Critical Dimensions

Tiebreaker #3: Time needed to complete the finished project

## 7. PTC Contact Information

<b>Name</b>	<b>Employer</b>	<b>Email</b>
Willie Debay	NSCC Akerley Campus	Willie.debay@nsc.ca
George MacDonald	Local 409 Union	Georgemacdonald29@gmail.com
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