Each region’s advancing students will demonstrate their preparation for employment and skill levels in the welding industry. The guidelines and requirements in the state contest are agreed to by Business and Industry.

**Mandatory Project**
See attached blueprint

**Material and Equipment Provided by Each Contestant:**
- All PPEs required by OSHA
- Welding Helmet
- Chipping Hammer
- Wire Brush
- Pliers
- Soapstone/Marker
- Measuring Device

**Material and Equipment Provided by SkillsUSA Regions:**
- SMAW Machines
- Consumables – As needed by contestants
- Materials – See attached blueprint

**Notes:**
Each station will require the student to read instructions and to wear proper safety equipment provided by the student.
Official dress for this contest will be light blue work shirt and navy pants or khaki shirt and pants, black or brown leather work shoes, and safety glasses with side shields or goggles. (Prescription glasses can be used only if they are equipped with side shields. If not, they must be covered with goggles.)
ALL PROCESSES TO BE COMPLETED WITH THE MATERIALS PROVIDED

1. TACK COMPLETE ASSEMBLY IN ANY POSITION
2. WELDING TO BE COMPLETED WITH THE GROOVE WELD IN THE 3G POSITION WITH PLATE A ON THE TABLE

<table>
<thead>
<tr>
<th>ID</th>
<th>Qty</th>
<th>Desc.</th>
<th>ID</th>
<th>Qty</th>
<th>Desc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>1</td>
<td>0.25 x 4.5 x 8 Steel Plate</td>
<td>C</td>
<td>1</td>
<td>3 x 5/8 x 7 Steel Channel</td>
</tr>
<tr>
<td>B</td>
<td>2</td>
<td>3/8 x 7 x 3 22.5 Bevel Both Ends</td>
<td>D</td>
<td>1</td>
<td>0.25 x 2 x 7 Steel Plate</td>
</tr>
</tbody>
</table>

**Table:**

- **A:** 1/4 ± 1/16
- **B:** 1/4 ± 1/16
- **C:** 1/4 ± 1/16
- **D:** 1/4 ± 1/16

**Dimensions:**

- **A:** 8.000
- **B:** 4.500
- **C:** 7.000
- **D:** 2.500