



# Sheet Metal

# Career Competition

**Career Cluster:** Architecture and Construction

**State Qualifying Event:** Yes

**National Contest:** Yes

**Participation:** Individual

### Competition Description

To evaluate each competitor’s preparation for employment and to recognize outstanding students for excellence and professionalism in the field of sheet metal fabrication and installation.

### Tasks To Be Evaluated

Competitor will work from a set of drawings to fabricate sheet metal fittings. These fittings may include straight runs, offsets, elbows, square to round, Y branch, and tees. The competitor may need to build multiple fittings and assemble them together to complete a project using S and drive cleats or rivets. Projects will be judged on completeness, accuracy, details of seams, and skill demonstrated to complete the project.

### Clothing Requirement

**National Requirement:**

**Class C:** Competition Specific: Manufacturing/  
Construction Khaki Attire

- Official SkillsUSA khaki short-sleeve work shirt
- Khaki pants
- Black, brown, or tan leather work shoes.

**State Requirement:**

National Requirement OR

- Khaki short-sleeve work shirt
- Work pants of any kind are acceptable dress (no jeans)
- Black, brown, or tan leather work shoes.
- Any embroidered names or school patches must be covered, if applicable.

### Provided by Competitor

- Various sheet metal hand tools
- Snips
- Measuring tools
- Marking tools
- Pencil and paper
- Calculator (if needed)
- One-page Resume

### Provided by Technical Committee

- Table and Chair