



**Sheet Metal
(SM)
Architecture and Construction**

**Skilled and Technical Sciences Contests
Contest Information**

State Qualifying Exam: Yes

National Contest: Yes

Participation: Individual

Contest Description

Competitors are tested on their ability to perform such jobs as connecting sheet metal pieces with drive cleats, spot welding and riveting. Skills tested may include, but are not limited to, straight duct, transition fitting and 45-degree entry tap fitting. Professional sheet metal workers judge competitors on the use of hand tools, correctness of layout and shop safety procedures. Competitors are judged on accuracy,

Tasks To Be Evaluated

Contestants will fabricate sheet metal components from a print provided to them. Contestants will have a time limit to complete the project. Contestants are judged on completeness, accuracy, and time management.

Clothing Requirement

National Requirement:

- Official SkillsUSA khaki work shirt and pants; black, brown or tan 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.

State Requirement:

- Black, brown or tan 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.

Supplies Provided by Technical Committee

The host school has provided sheet metal and large metal working equipment. Check for Contest Updates as closer to competition date.

Supplies Provided by Contestant

Contestants need to bring basic hand tools required for sheet metal fabrication. Check for Contest Updates as closer to competition date.

Additional Information

Time management is very important. There is ample time to complete the project but getting hung up too long on one item can prevent the contestant from completing the project. A small error usually costs fewer points than an incomplete part.

The Sheet Metal contest will be held from 8:00 am – 3:00 pm, on Saturday April 22, 2017 at Elgin Community College, 1700 Spartan Drive, Building O, Elgin, IL. 60123.