



## State Welding Contest 2017

Project: Welding Stand

Supplied by the contestant team:

- One 4 ½" grinder (must be in good working order with guards and safety features enabled)
- Assorted hard and flap or sanding type grinding wheels
- Tape measure
- Safety Glasses
- Cutting Glasses or Goggles (Shade 3 to 5)
- Welding Gloves
- Chipping hammer
- Wire Brush
- Metal File
- Pocket Calculator
- Lead Pencil and/or Ballpoint Pen
- Soap Stone with Holder
- Fillet weld gauge
- Mig Pliers

- Hearing and/or ear protection
- Welding Hoods with appropriate filter plate/lens and protective cover plate/lens in a flip or slide front. Auto darkening shields are permissible
- Spare spatter and filter lenses/plates for arc welding hood and oxyacetylene goggles
- Personal Protection Equipment
  - Welding jacket or sleeves
  - Leather Boots (preferably steel toe)
  - Work pants without holes or frays

1. Contestants will be given 10 minutes at the beginning of the contest to use electric grinders for the purpose of cleaning Mill Scale off plates. Judges will inspect plates after allotted grinding time and sign off on work. Electric Grinders will not be used after this allotted time.
2. Once assembled Project can be rotated horizontally but **not vertically**. All welds must be done in the position called for on the print.
3. All competitors must create a one-page résumé and submit a hard copy to the technical committee chair at orientation. Failure to do so will result in a point penalty. (Secondary only)

**Please be aware that we will be using Propane/Oxygen combination for torch cutting operations with Harris products. (0 Tip Size) Representatives will be on site to help with equipment setup and questions.**