

2010 Welding Fabrication

Stick Welding (SMAW) and Gas Metal Arc Welding (GMAW)

Supplies needed by contestants/teams:

- Hearing and/or ear protection
- Safety Glasses with side shields (Z87 approved)
- Welding and cutting gloves
- Welding helmet with appropriate filter
- Plate/lens and protective cover plate/lens in a flip slide front
- Spare spatter and filter lenses/plates for arc
- Oxyacetylene goggles
- Pocket calculator
- Lead pencil and ballpoint pen
- Soap stone with holder
- Scribe with magnet
- Combination square set
- Fillet weld guage
- Rap a round
- Speed square
- Tape measure and steel rulers
- Straight edge
- Hammer
- Vise grips
- C grips
- Channel locks
- Crescent wrench 12"
- Protractor or angle finder
- Angle bevel
- Files any size or shape
- 25' power cord (120v)
- 4 ½" grinder with wheels (Cut off wheels and grinding wheels)
- Wire wheels
- Clear face shields (for grinding and buffing)
- Center punches
- Chipping hammer with or without wire brush
- Stainless steel wire brushes
- Drill
- Drill bits 1/8", 3/16", 17/32", ½" (4 of each of these bits)
- Knee pads
- Striker for OFC
- Chop saw

Friday, March 26 (Estimated schedule, times are subject to slight changes)

- 8:00 AM Contestant Orientation (go over the rules and regulations)
(show the contestants the equipment and answer any questions)
- 9:00 AM Present the teams with the blueprints and answer any questions
- 9:30 AM Start the competition.
- 1:30 PM Competition ends (lunch break)
- 2:30 PM Debriefing, constructive comments and suggestions to teams from judges