

Technical Drafting

Purpose: To evaluate each contestant's preparation for employment and to recognize outstanding students for excellence and professionalism in the field of technical drafting. Use CAD to solve the problem is required. Hand sketches and hand lettering may be required.

Testing: There will be a technical drafting written test.

Clothing: Acceptable business work clothes; no school names may be displayed on any apparel

Contestants: 3 per region, determined by regional competition

Tools to be provided by contestants:

1. **Hardware: MS/PC-DOS, IBM PC-compatible work station including:**
 - a. Central processing unit-system will be configured to meet minimum software configuration requirements.
 - b. USB Port (So Coordinator can save work to their USB drive)
 - c. 25' UL approved extension cord
 - d. Mouse & Mouse Pad (optional)
 - e. Surge protector strip
2. **Software:**
 - a. Software will be the choice of the contestant and must be pre-loaded on the hard drive brought to the contest. Hard drives should be cleared of all drawing files and extraneous software. Directories may be checked before the contest. Contestants using software other than SolidWorks (.slddrw, .drw) or Auto CAD (.dwg or .dxf) must make arrangements for technical industry support at the contest.
 - b. Supplied by the contestant:
 1. Scrap paper
 2. Pencil and eraser
 3. Disk to save work on.
 - c. Supplied by the Coordinator
 1. Any reference materials needed to complete project will be provided by in the packet.

Plotting note: Students must be able to save from their computer to the coordinator's USB Drive. Coordinator will plot 8-1/2" x 11".

Note: All contestants must bring their own computer hardware and ensure that their computer has the capability to run their CAD software. Contestants from the same school will not be able to share a computer in the contest.

Scope of the Contest

Contest Schedule:

- 12:00 pm - Orientation
- 12:30 pm - Technical Problem
- 3:30 pm - Written Test*

The contest will be judged based on the criteria established in the 2010 SkillsUSA Championships Technical Standards.