

Architectural Drafting

Purpose: To evaluate each contestant's preparation for employment and to recognize outstanding students for excellence and professionalism in the field of architectural drafting.

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

Contestants: 3 per region, determined by regional event

A. CAD Tools (to be supplied by contestant)

1. Hardware: PC-compatible CAD workstation or laptop including:

- a. pre-loaded CAD software (see #2 below)
- b. monitor(s)
- c. input device (mouse or digitizer)
- d. USB port
- e. 25' UL approved extension cord
- f. surge protector outlet strip
- g. optional: security cable if equipment is brought in early

Note: *Contestants bringing any hardware other than PC compatible (i.e. MAC, etc.) should notify Tammy Plotts or contact coordinator ASAP so plotting issues can be addressed prior to contest.*

2. Software:

- a. Software will be the choice of the contestant and must be pre-loaded on the CAD work station brought to the contest.
- b. There will be no limitations on the use of "Architecturally specific" software "add-ons" (i.e. symbol or object libraries, custom programs, etc.)

Note: *Contestants using software other than AutoCAD (i.e. Microstation, ArchiCAD, Revit, etc.) must make their own arrangements for technical support at the contest and should notify Ohio SkillsUSA ASAP.*

- c. Students will be allowed to use the software's User Guide for reference.

B. General Tools (to be supplied by contestant)

- a. Architectural Graphics Standards for reference
- b. No proprietary material, personal notes, charts, tablets, etc. are permitted. Reference materials may not be shared between contestants.
- c. Five sheets of clean white 8-1/2" x 11" scratch paper
- d. Pen and 2 sharpened #2 pencils

Plotting note: Students must be able to plot to a DWF file (the completed CAD drawing must be plot ready). Configure CAD software to use a DWF Driver. The DWF driver can be found on Autodesk's website at <http://www.autodesk.com/dwf>

Plotting note: Students must be able to save from their computer to the coordinator's USB Drive. Coordinator and judges will view the DWF file.

Note: All contestants must bring their own computer hardware. 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 (Please arrive early to set up and have all issues resolved before 12:00)
- 12:30 pm – Architectural Problem
- 3:30 pm – Written Test

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