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

Contest Location	A216
Eligibility	- Please refer to the National Technical Standards for this contest. - Schools may send one competitor or team for every 50 paid SkillsUSA members based on local competition enrolled in a program where the scope of the contest described in the SkillsUSA Technical Content Standards reflects a major component of the program. - REGIONAL QUALIFIER – ONLY THE TOP 3 (THREE) FROM REGIONAL COMPETITION PROCEED TO STATE CHAMPIONSHIPS
Clothing	<u>Work/School Attire:</u> Field specific work clothing required for the work environment or that matches the service conditions for the contest. This may include jeans if they are clean and professional looking and are accepted in the respective field (no holes or overly soiled pants). Work shoes or boots with a hard sole or anti-slip properties (steel toes may be required – refer to **Provided by Contestant** section below). Clothing should be as such that it will not get caught in moving equipment or power tools. School uniforms may be worn if they meet the above requirements with all identifiers covered.
Testing	- Students should be prepared to take a written knowledge test. - Students should be prepared to take a written SkillsUSA knowledge test. (Required for all contestants prior to contest day)
Provided by Contestant **(Tool List)**	<u>Documentation</u> Hard copy of a one (1) page personal resume <u>Personal Tools</u> **Please ensure you have tried and tested CAD software when disconnected from your school's WIFI. If necessary, plan to bring a hotspot to the contest. TEST THIS PRIOR TO ARRIVAL.**

	- Hardware: MS/PC – DOS, IBM PC compatible workstation including:
	     • Central processing unit-system will be configured to meet minimum software configuration requirements. USB Port (So Coordinator can save work to their drive)
	     • 25' UL approved extension cord
	     • Mouse & Mouse Pad (optional)
	     • 25' UL approved extension cord
	     • Surge protector outlet strip
	 - Software: Software will be the choice of the contestant and must be pre-loaded on the hard drive brought to the contest. 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. Supplied by the contestant
	 - Software MUST have BOTH metric and standard measurement capabilites and competitor will need to know how to convert.
	 - Files MUST be able to be converted from CAD to PDF format.
	     • Scrap paper, Pencil and eraser, USB Drive to save work on, Measurement Equipment (Calipers, rulers), any reference materials needed to complete project should be brought with competitor. Plotting note: Students must be able to save from their computer to the coordinator's USB Drive in PDF format. Coordinator will plot. 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. **The software should be activated and tested before the contest. It should be tested to make certain it works with the WI-FI turned off and while not connected to the school's network.**

Special Notes	- **This is a CLOSED contest.** - No smart watches, phones, or earbuds are permitted during the contest and/or in contest. - No contact with anyone outside of the contest area once the contest begins - No inappropriate communication between contestants such as verbally degrading another contestant - No cheating on any portion of the contest such as informing another contestant of the skills/test prior to competing.

National Technical Standards	▪ Please refer to the 2022-2023 National Technical Standards for all contests. Any and all standards included may be tested in any competition. ▪ In conjunction with National Standards, violations may result in student loss of contest.
Resume	▪ All SkillsUSA Ohio State Championship Contest will require a short interview component. Students should be prepared with basic job interview skills. ▪ All contestants must have a hard copy of a one (1) page personal resume.