



Pennsylvania - District 2
Education . . . with a competitive side



ARCHITECTURAL DRAFTING COMPETITION

Clothing Requirements

For men: Official white polo shirt with black dress slacks, black socks and black leather shoes.

For women: Official white polo shirt with black dress slacks or skirt, black socks or black or clear seamless hose, and black leather shoes.

Note: At the district level if a student is not able to wear the official SkillsUSA attire he/she may wear an outfit that would be acceptable in their specific field of study. *Please keep in mind that official SkillsUSA attire will be required at the state and national level. STUDENT MUST BE IN PROFESSIONAL AND TRADITIONAL ARCHITECTURAL OFFICE ATTIRE.*

Eligibility

Open to active SkillsUSA members enrolled in programs with architectural drafting as the occupational objective.

Equipment and Materials: Supplied by host school:

1. Computer with Autodesk Applications

Equipment and Materials: Supplied by contestant:

1. All Students must have a one-page, typewritten résumé
2. Removable data storage device (flash drive)
3. Acceptable reference materials – See National guidelines
4. Laptop with CAD software if Auto desk Application is not being used.

Knowledge Performance (½ hour)

The contest will include a written knowledge test assessing general knowledge of architecture. Written portions may also exist during the skills portion of the contest. Knowledge of terms and principles used in the architecture profession will be required for the skill demonstration portion of the contest.

Skill and Performance (3 Hours)

Students will be asked to design a basic floor plan design and layout. Students will also be asked to layout a wall section.

Evaluation Criteria:

100 possible points

Evaluation:

Written Test 10%

- Terminology
- Drawing Practices

Line Work 20%

- Center / Hidden Lines
- Visible Lines
- Line Weights

Dimensioning 20%

- Accuracy
- Proper Placement
- Completeness

Projection and Composition 20%

- Sections, Elevations, Details
- Proper Material Symbols or Conventions
- Completeness

Problem Solution 20%

- Solved as Intended
- Completeness
- Per Accepted Practice

Text and Annotation 10%

- Required Labeling or Annotation
- Spelling and Grammar
- Proper Technique & Completeness

- ***Information is for general purposes only. The actual competition may vary slightly in the exact nature of the given problems. Emphasis will be placed on selected aspects of Architectural Drawing.***
- ***For any items or guidelines not covered refer to SkillsUSA National Tech Standards for this competition***

Architectural Drafting Rating Sheet

Items Evaluated	Possible Points	Contestant Score
Written Test	10	
Line Work	20	
Dimensioning	20	
Projection and Composition	20	
Problem Solution	20	
Text and Annotation	10	
Resume (Deduction)	-10	
Safety (Deduction)	-10	
Clothing (Deduction)	-5	
Total	100	

Note: No cell phones or other electronic devices may be used at any time during a competition; this includes using a calculator function on a cell phone for competitions in which calculators are permitted.