Architectural Drafting

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

CLOTHING REQUIREMENTS
Home school uniform or
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.

EQUIPMENT AND MATERIALS SUPPLIED BY HOST
1. Computer w/Autodesk AutoCAD 2018 and Revit 2018 Software
2. Dell Desktop Printer 3130
3. HP Design Jet T1200

EQUIPMENT AND MATERIALS SUPPLIED BY CONTESTANT
1. All students must have a one-page, typewritten resume.
2. Removable data storage device (flash drive)
3. Acceptable reference materials – See National guidelines

SCOPE OF THE CONTEST - (DEFINED BY THE NATIONAL COMPETITION REGULATIONS)
(District Competitions are meant to be a scaled down version of National Competition. It is important for the students to participate in a competition that will reflect a cross-section of the industry skills needed to prepare them for the state and national levels)

KNOWLEDGE PERFORMANCE
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. (½ hour to take test)

SKILL 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.

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For items or guidelines not covered refer to SkillsUSA National Tech Standards for this competition

Information is for general purposes only. The actual competition <u>may vary</u> slightly in the exact nature of the given problems. Emphasis will be placed on selected aspects of Architectural Drawing.

Evaluation Criteria:
1. 100 possible points

Written Test 10%
1. Terminology
2. Drawing Practices

Line Work 20%
1. Center Lines
2. Hidden Lines
3. Visible Lines
4. Line Weights

Dimensioning 20%
1. Accuracy
2. Contour Location
3. Completeness

Projection and Composition 20%
1. Sections (i.e. Wall Section)
2. Proper Material Symbols or Conventions
3. Completeness

Problem Solution 20%
1. Solved as Intended
2. Completeness
3. Per Accepted Practice

Text and Annotation 10%
1. Required Labeling or Annotation
2. Spelling and Grammar
3. Proper Technique & Completeness

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Scoring Sheet

Items Evaluated	Possible Points	Contestant Points
Written Test	10	
Line Work	20	
Dimensioning	20	
Projection and Composition	20	
Problem Solution	20	
Text and Annotation	10	
	Subtotal = 100	
No Resume	Deduction -10	
Safety Penalty	Deduction - 10	
Clothing Penalty	Dedication -5	
	TOTAL	

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.

Note:Scorecards should only be used as guidance. Changes may occur.