



2020-2021 ARCHITECTURAL DRAFTING COMPETITION REFERENCE INFORMATION

To: South Carolina Architectural Drafting Teachers

From: Todd Fulmer

Subject: 2021 SC SkillsUSA State Architectural Drafting Contest

It is a pleasure to offer our students a chance once again to compete against each other to determine the SC State Champion for Architectural Drafting. This year's contest will take place virtually with students competing from across the state and your final drawings being submitted for grading to determine our winner. The focus of this document is to provide guidance for you as the instructor to prepare your student for the contest.

Instructors:

In this contest the student will be asked to:

- 1. Create a typical floor plan from a scaled schematic drawing.**
- 2. Create an elevation from a floor plan and wall section.**
- 3. Create a standard wall section/foundation detail.**
- 4. Add appropriate annotation to final drawings.**

The following information listed are things that students should be familiar with:

- 1. An understanding of building materials.**
- 2. An understanding of sizes of basic construction components and rules regarding appliances and plumbing fixtures.**
- 3. Room by room planning.**
- 4. Basic understanding of types and sizes of windows.**
- 5. Basic understanding of types and sizes of interior and exterior doors.**
- 6. How to dimension a floor plan, elevation and wall section.**
- 7. Have knowledge of a crawl space foundation.**
- 8. How to read an Architects scale.**
- 9. How to create a PDF file.**

The contest problem is intended to measure technical drawing proficiency, creative thinking and problem solving not software comprehension.

We look forward to you and your student participating in this year's competition.



2021 ARCHITECTURAL CONTEST REQUIREMENTS

This year's problem must be done on either a 2D or 3D platform. Manual drawings will not be accepted.

Whichever option you choose, just be sure to have the equipment and software to produce the solution. Students may use reference material as needed but must produce their own work for the final product. It is our goal and that of the judges that the most qualified student will be selected as the champion with no aspects of the selection being based on a particular educational institution or instructor. The contest intends to measure the proficiency of the individual, which is the most important element of SkillsUSA. An Architectural Drafting knowledge test will also be part of the final score for the contestants.

The contest problem does require scaling so students should have a basic understanding of how to use an Architects scale. All information should come from the contest documents provided on competition day.

Since this event is a virtual competition we are asking that each school provide a proctor for the test that is not the student's instructor. Schools will be provided with a document that will need to be signed by the instructor, proctor and school Administrator and emailed to the Architectural chairperson.

The Architectural Drafting Knowledge test will be submitted virtually as well. More information will be provided later for this process.

Students will be required to create PDF files of their contest solution and those will be emailed to the architectural chairperson and forwarded to the judges.

The PDF solutions will be named using a file convention that will provide no identifying information regarding student name, school or instructor. Each contestant will be provided with a contest number. This should be used for all aspects of the competition.

Ex.: A01 Solution

The Architectural Drafting competition will begin at 9:00 a.m. and end at 3:00 p.m. Lunch will be on your own and students may work while eating lunch. There will be no clothing assessment for this competition season.

Make sure you have submitted your resume on the SC SkillsUSA website. The link may be found here: <https://www.scskillsusa.org/resume-submission>



Architectural Drafting Competition Schedule

9:00 a.m. – 9:30 a.m.	Architectural Drafting Knowledge test
9:30 a.m. – 9:40 a.m.	Contest Instruction Video
9:40 a.m.	Contest begins
12:00 p.m. – 12:30 p.m.	Lunch break (Contestants may work through lunch)
12:30 p.m.	Contest resumes
3:00 p.m.	Contest ends
3:15 p.m.	Contestant PDF files emailed to Tech Chair

Make sure you have named your PDF according to the contest rules and procedures. No identifying information should be provided on your PDF.

Results will be announced per instructions from South Carolina SkillsUSA.



**2020-2021 Technical and Architectural Drafting Competition Proctor
Verification Form**

In order to compete our school has agreed to provide a proctor for this year's Drafting competitions. The person selected is not the primary instructor for our schools competitors. We agree that we will abide by the instructions and time schedule provided by the Tech Chair for this contest. We also agree under penalty of expulsion from the contest that our competitors will receive no assistance from the proctor or any other teacher in regards to the competition.

Please fill in the information below and submit this form to the Tech Chair at tfulmer@lexington1.net

Competition Date: _____

School Name: _____

Proctors Name: _____

Administrator Name: _____