

2023 Architectural Contest Instructors Reference Information

To: South Carolina Technical Drafting Teachers

From: Sandra McCurry, Clemson University Project Compliance

Subject: 2023 SKILLS USA State Architectural Drafting Contest

It is my pleasure to have this opportunity to coordinate the Architectural Drafting Contest this year. Our goal is that the contest problem realistically reflects the standard of work being done in the construction industry today. While you may not teach all the aspects covered in the contest, you can make the problem a learning experience for the student.

Instructors:

In this contest, the student will be asked to:

1. Draw and dimension floor plan from a scaled schematic drawing
2. Draw and dimension frame wall section from scratch
3. Draw and dimension elevation from floor plan and wall section

Following is information with which the student should be familiar:

1. An understanding of building materials
2. A basic understanding of building codes
3. Should have an understanding of sizes of basic construction components and appliances.
4. Room by room planning.
5. Basic understanding of types and sizes of windows
6. Basic understanding of types and sizes of exterior and interior doors
7. Window and Door schedules
8. Understanding of how to draw and dimension a floor plan
9. Understanding of how to draw and dimension an elevation
10. Understanding of how to draw and dimension a frame wall section with crawl space
11. Understanding of how to draw and dimension interior elevations.

The problem will not measure the individual CAD savvy, but will measure their technical drawing proficiency, creative thinking and problem solving.

The Architectural Drafting Committee wants this to be a positive experience for the students, with each one going into the contest with the desire to be a winner.

I look forward to seeing each of you along with your student at the contest.

SLM