



## **Competitive Event Prep Chapter 4**

# **Orthographic Drawing**

### **Identify**

Most competitive events require evidence of planning and brainstorming. This is accomplished through the development of sketches, drawings, and renderings. The ability of students to apply these drafting skills successfully is the primary grading criterion for the CAD, Architecture, and Technical Sketching events for organizations such as Skills USA and TSA.

### **Set Up**

Analyze the design brief that has been most recently presented to you. Develop a list of possible solutions. Locate or download free drawing software.

### **Execute**

Orthographically sketch at least three different possible solutions. Remember to use correct drawing techniques.

### **Evaluate**

Compare orthographic drawings within your team. Make sure that they are accurate and compatible. Determine which solution your team likes best.

### **Share**

As a team, share your solutions and drawings with another group of students in your class for feedback and recommendations. Encourage them to pick their favorite. Have them give their reasons for making that choice.