



## Mockup Design for SkillsUSA Roofing Demo (Thermoplastic)

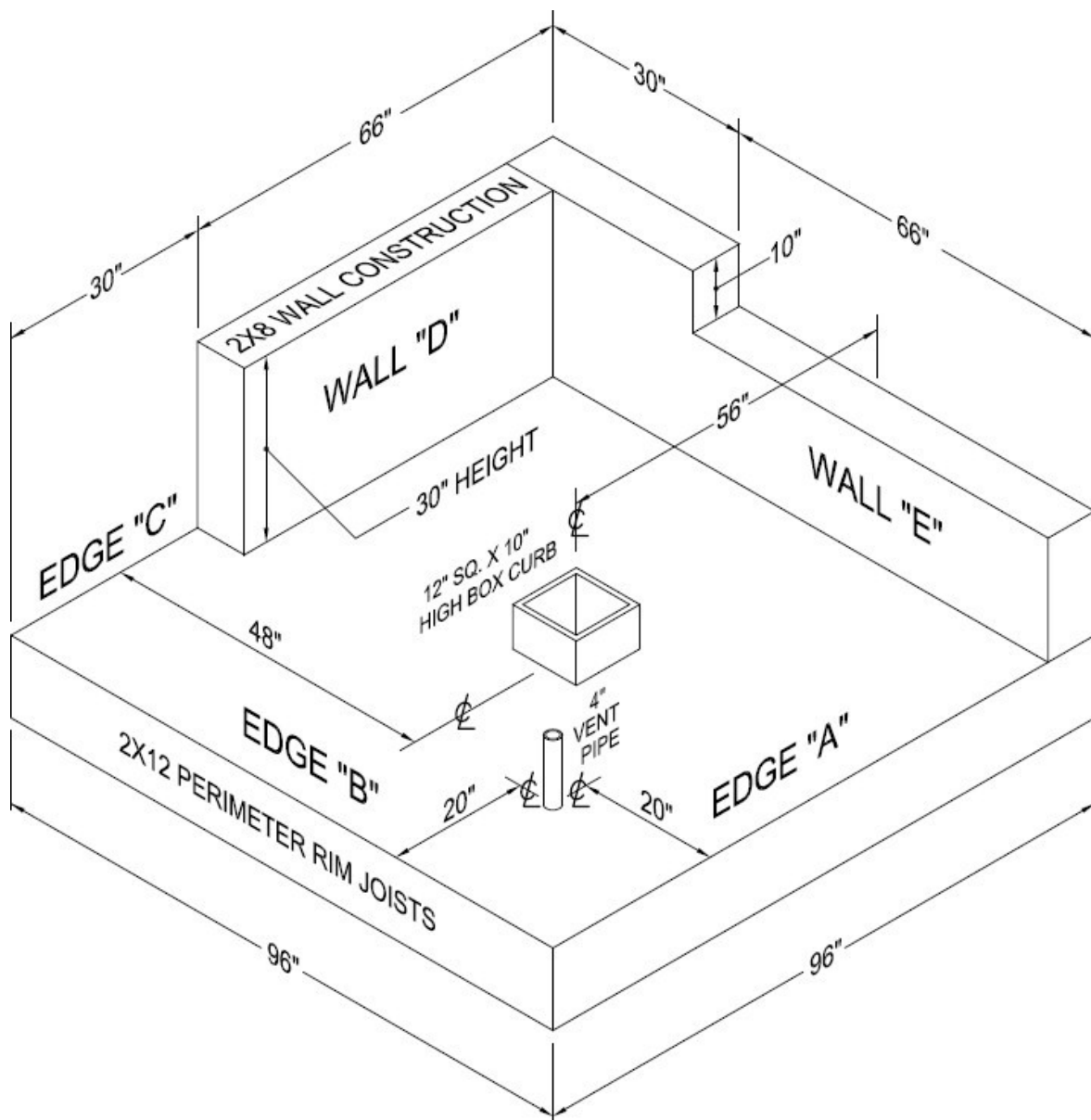
Mockups for the SkillsUSA Roofing Demo (thermoplastic) must resemble the characteristics of most low-slope roofs. These characteristics are essential to ensure standard testing conditions are achieved and fair performance exams are administered. All Architectural Metal Flashings and Accessories mockups must include the following characteristics:

1. Set 12 inches above ground level to accommodate gutter and edge metal installation, and remain stationary and secure for the duration of any performance exam
2. A wood deck capable of supporting two times its intended total load.
3. The mockup deck must be exactly 8-foot by 8-foot in dimensions for installing all required system components. Two roof edges must be exposed (represented by Edge “A” and Edge “B” in the drawing below). This deck is typically constructed as two independent 4-foot by 8-foot sections butted together to facilitate ease of stacking and storing.
4. Two 30-inch-high parapet walls that are 8 ¼-inches in width and form a corner (represented by Wall “D” and Wall “E” in the drawing below).
  - Wall “D” must be 66 inches long, measured from the outside corner, leaving a 30-inch exposed roof edge (represented by Edge “C” in the drawing below)
  - Wall “E” shall extend the full 96-inch roof edge, with a 10-inch drop in elevation 30 inches from the outside corner. The parapet walls are typically constructed as two independent components that are fastened to the deck’s edges and to each other to facilitate removal, stacking and storing.
5. A 12-inch by 12-inch square, by 10- or 12-inch-tall box curb, secured to the deck in the specified location. The curb should be easily removable to facilitate stacking and storing.
6. A 4-inch diameter by 12-inch-tall pipe, secured to the deck in the specified location. The pipe may be PVC, steel or cast iron and should be easily removable to facilitate stacking and storing.

The mockup must be constructed using the indicated dimensions and characteristics. The deck maybe constructed using two 4-foot by 8-foot joined sections. NRCA does not provide engineered drawings for the construction of any mockup. Determining mockup strength, weight capacities and durability are the responsibilities of those constructing mockups. The drawing below



includes dimensions and general appearance characteristics but is not shown to scale.



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