

**Industrial Technology
Hartley-Melvin-Sanborn CSD
Course Benchmarks-Architectural Drafting**

Standards and Benchmarks

Standard I: Understand the use of CAD for architectural drawing.

Demonstrate previously learned basic drafting CAD skills.

Use tools related to walls.

Use tools related to floors.

Use tools related to roofs.

Use tools related to fixtures.

Use tools related to construction materials

Demonstrate 3-dimensional modeling.

Standard II: Understand language related to technical terms in architecture.

Identify various symbols used in architecture.

Identify various types of construction.

Identify various building styles.

Relate how climate affects construction.

Relate how location and orientation affect construction.

Standard III: Draw blueprints with CAD for a residence of no more than 2000 sq. ft.

Design plot plans.

Design landscape plans.

Design basement plans.

Design first floor plans.

Design necessary detail plans.

Design elevation view drawings.

Calculate appropriate room dimensions.

Design within industry standards.