



## AMERICAN INTERNATIONAL UNIVERSITY-BANGLADESH (AIUB)

Faculty of Engineering

Bachelor of Science in Electrical and Electronic Engineering (EEE)

BAE 2101: Computer Aided Design and Drafting

### Experiment # 03: Familiarization with different orthographic projections and drawing using AutoCAD software.

**Objective:** To familiarize the students with the different orthographic view and draw the orthographic view using AutoCAD Software.

**Example 3.1:** Draw the given orthographic projection (dimensions are in INCH)

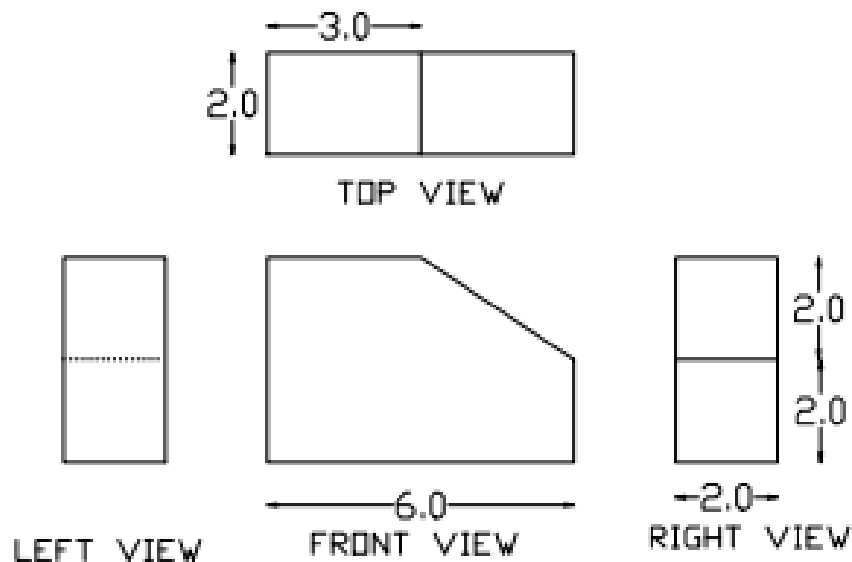


Figure 3.1: Orthographic projection

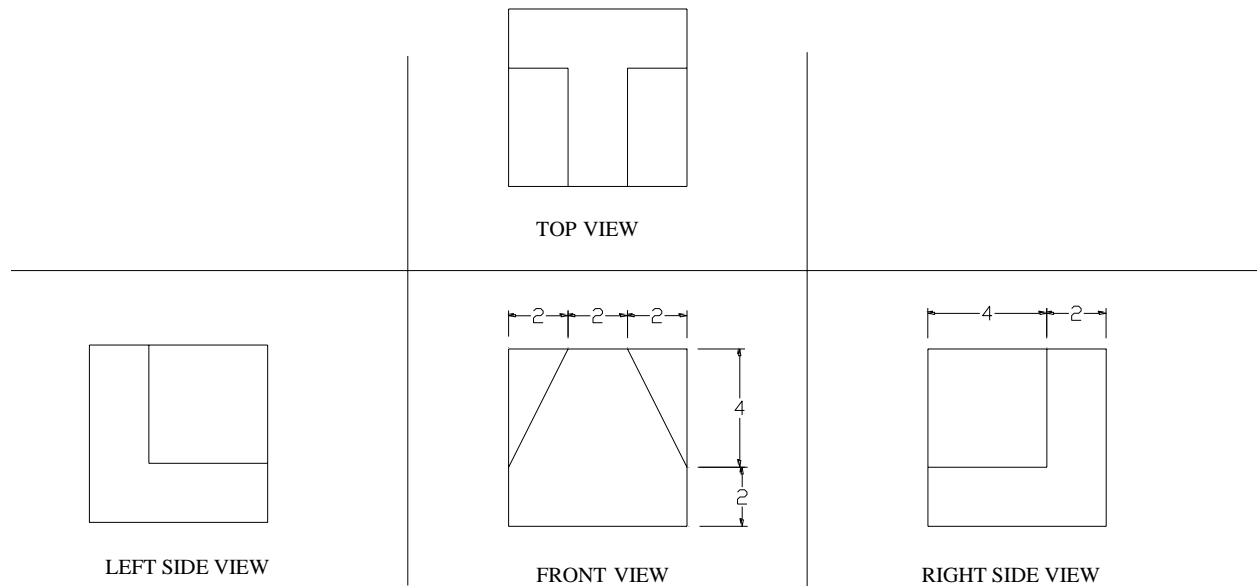
**Example 3.2: Draw the given orthographic projection (dimensions are in FEET)**

Figure 3.2: Orthographic projection

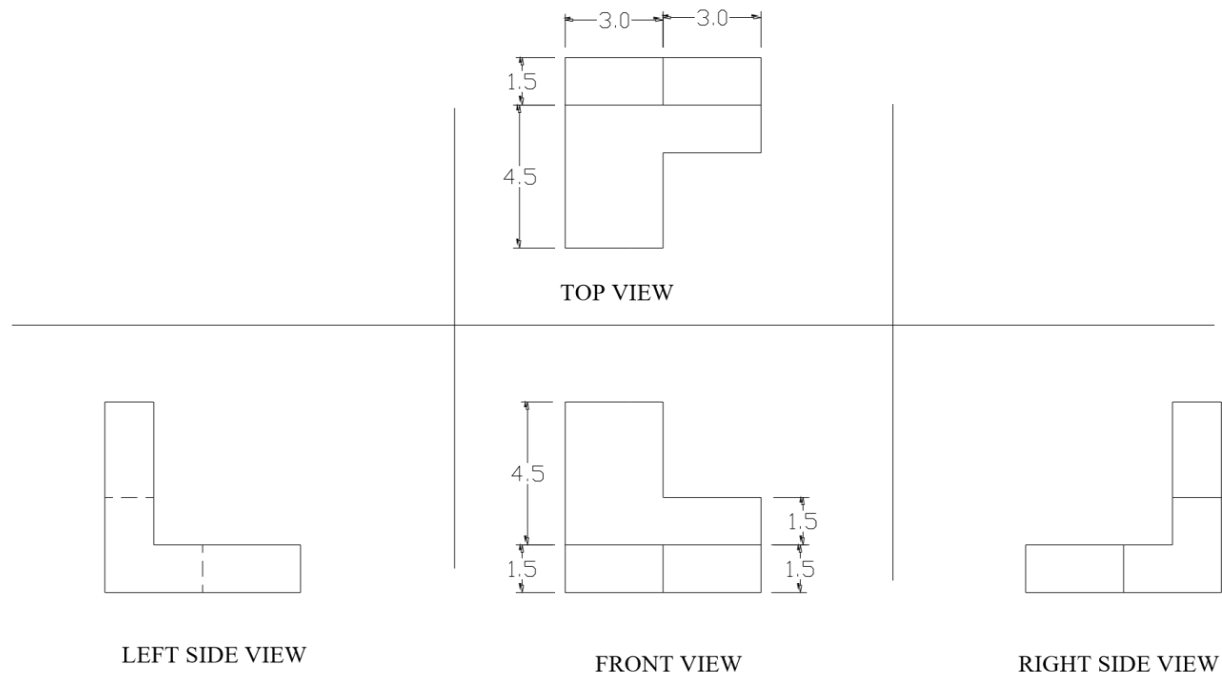
**Example 3.3: Draw the given orthographic projection (dimensions are in INCH)**

Figure 3.3: Orthographic projection

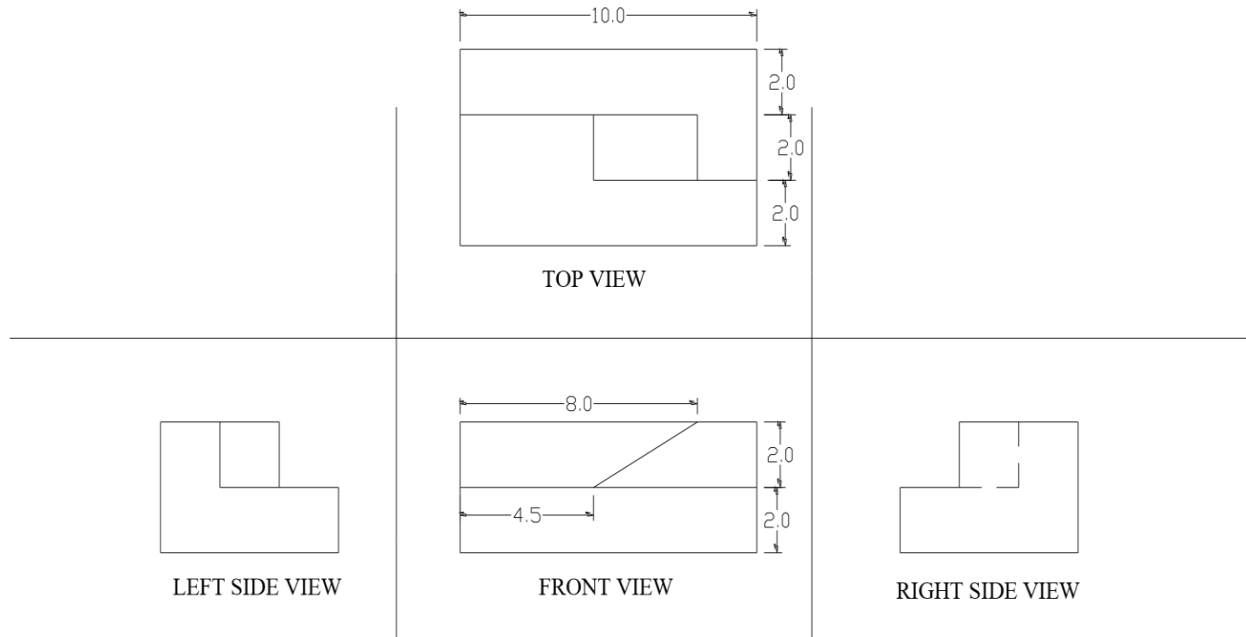
**Example 3.4: Draw the given orthographic projection (dimensions are in INCH)**

Figure 3.4: Orthographic projection

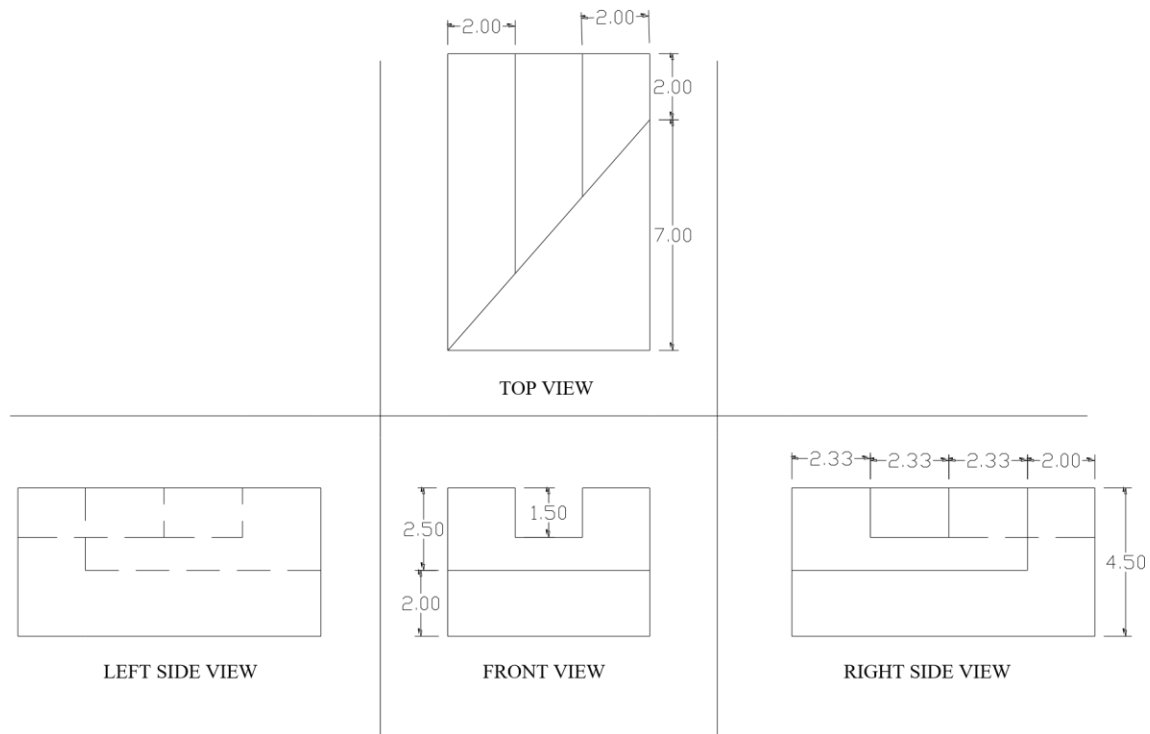
**Example 3.5: Draw the given orthographic projection (dimensions are in INCH)**

Figure 3.5: Orthographic projection

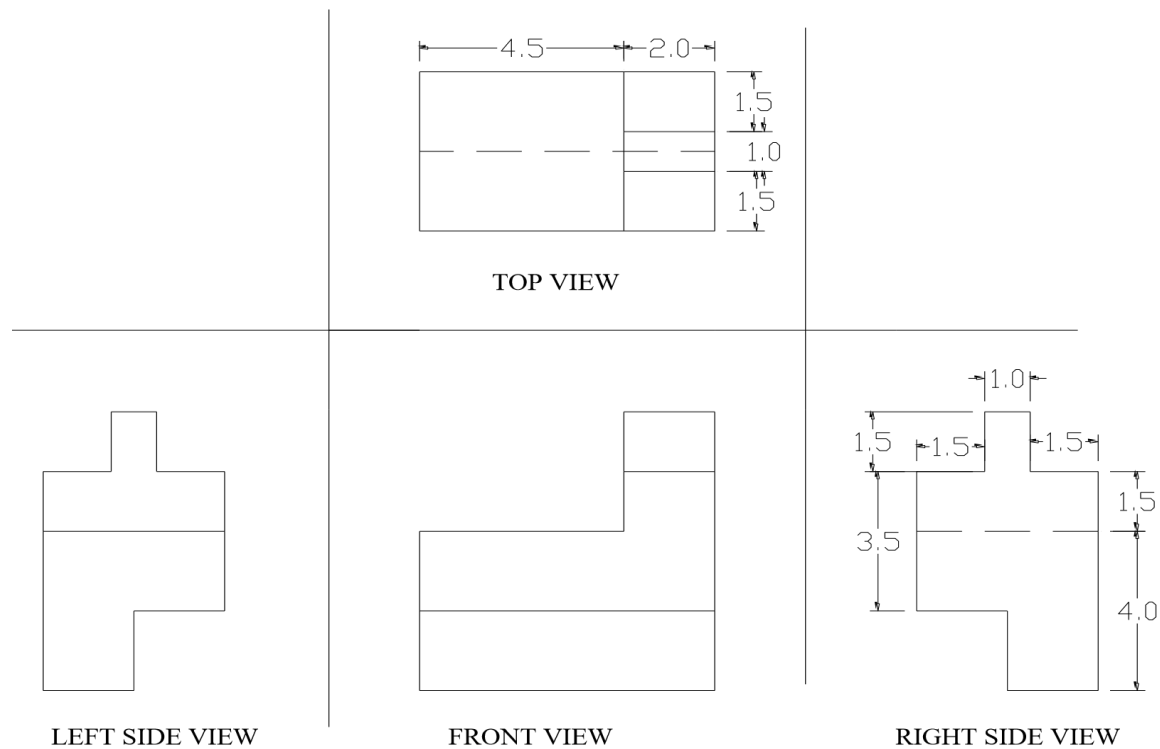
**Example 3.6: Draw the given orthographic projection (dimensions are in FEET)**

Figure 3.6: Orthographic projection

**Reference**

- [1] David Byrnes and Mark Middlebrook, "AutoCAD 2007 For Dummies".
- [2] Jeyapoovan T, "Lesson Plans for Engineering Graphics".