



## AMERICAN INTERNATIONAL UNIVERSITY-BANGLADESH (AIUB)

Faculty of Engineering

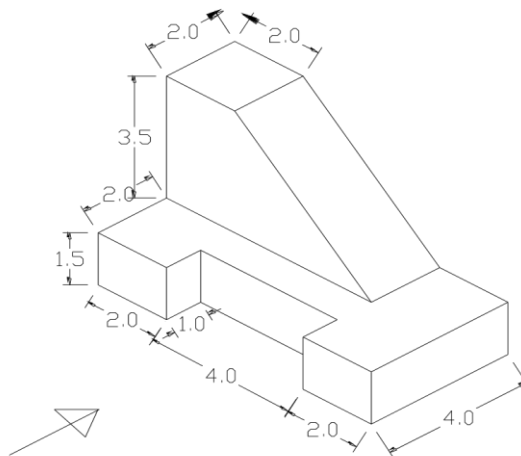
Bachelor of Science in Electrical and Electronic Engineering (EEE)

BAE 2101: Computer Aided Design and Electrical Drafting

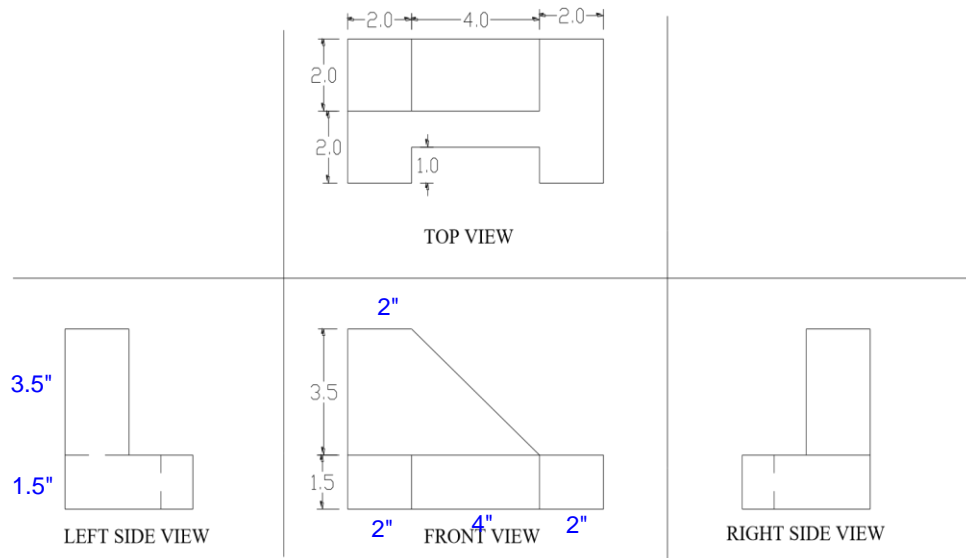
### Experiment # 03: Analyze and draw the orthographic view from isometric view based on projection criteria using AutoCAD Software – Part II.

**Objective:** To familiarize the students with the orthographic and isometric projection in engineering drawing based on projection criterion.

Example 3.1: Isometric to Orthographic Projection (Third Angle Projection). All units are in cm.

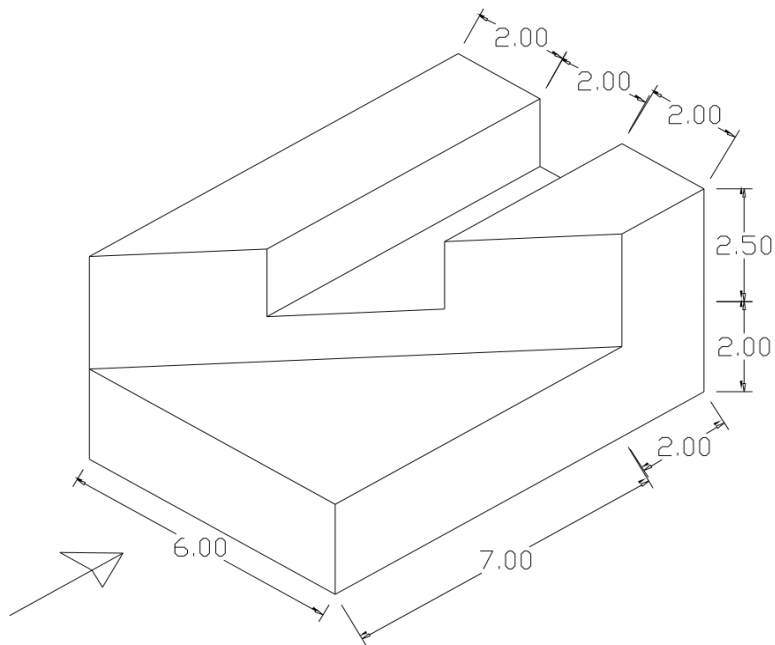


ISOMETRIC PROJECTION

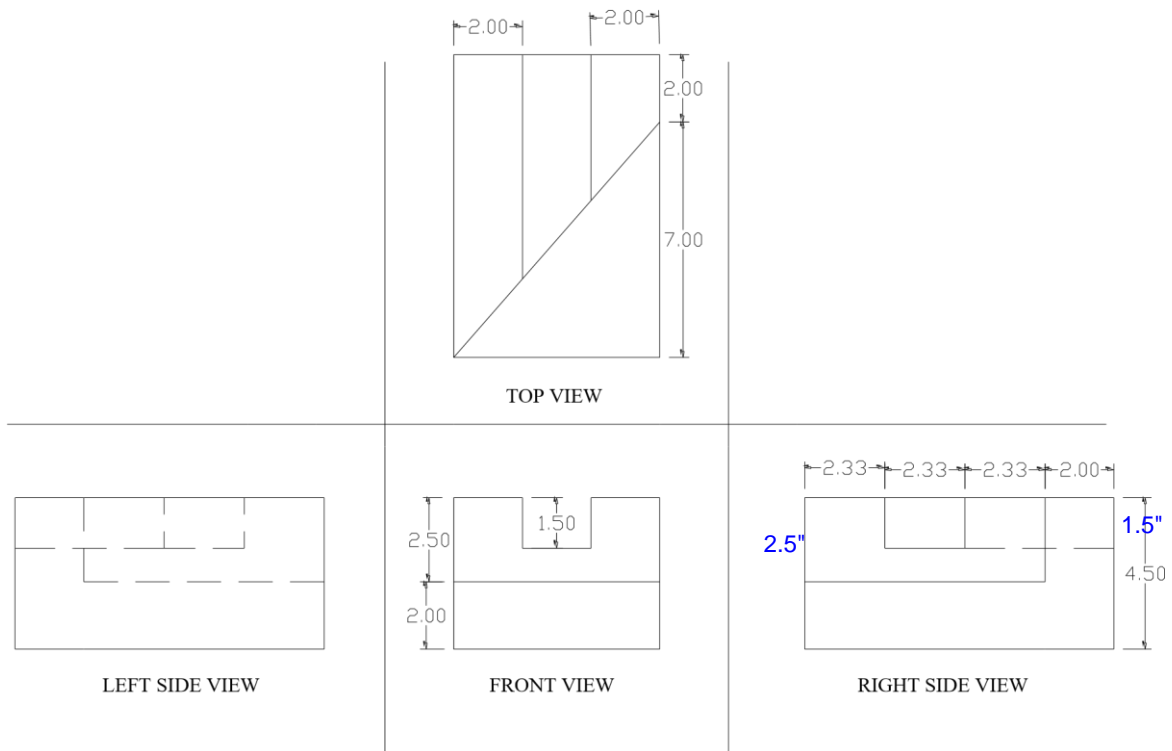


ORTHOGRAPHIC PROJECTION

Example 3.2: Isometric to Orthographic Projection (Third Angle Projection). All units are in cm.

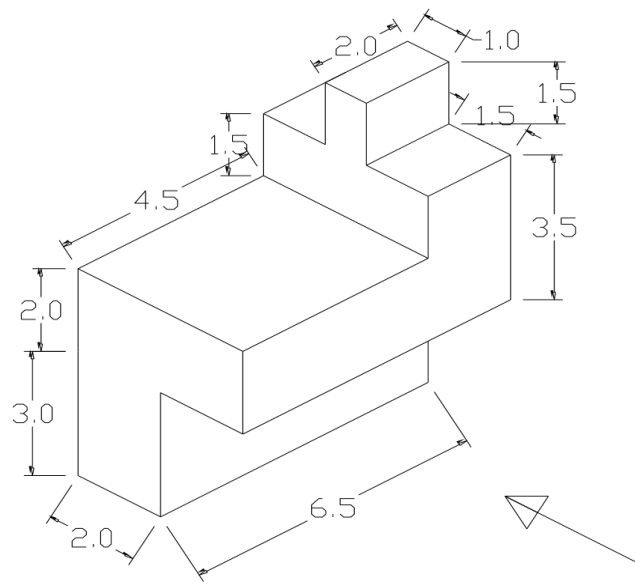


ISOMETRIC PROJECTION

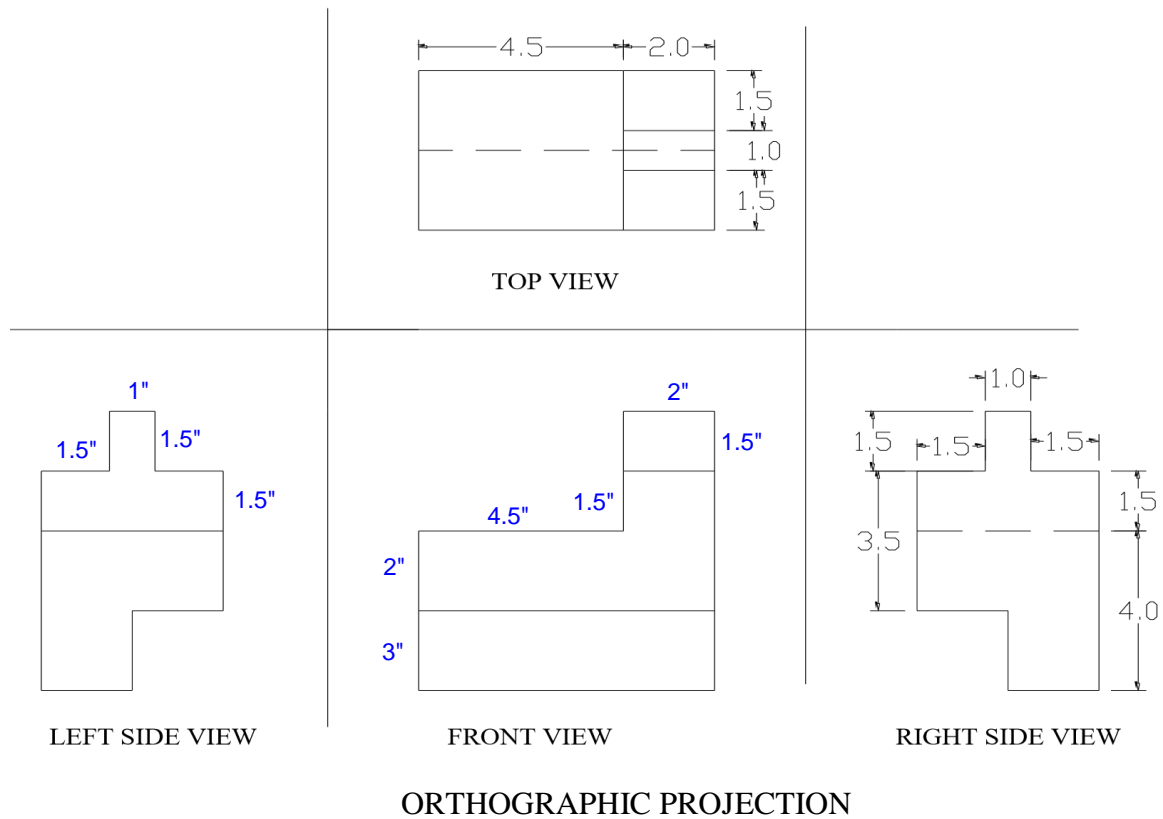


ORTHOGRAPHIC PROJECTION

Example 3.3: Isometric to Orthographic Projection (Third Angle Projection). All units are in cm.

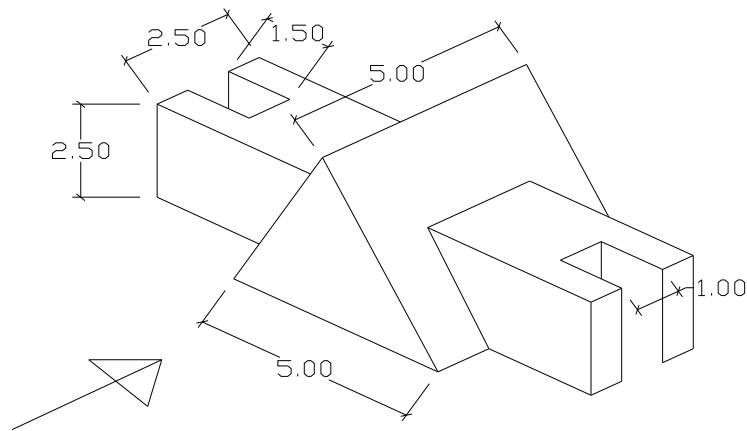


ISOMETRIC PROJECTION

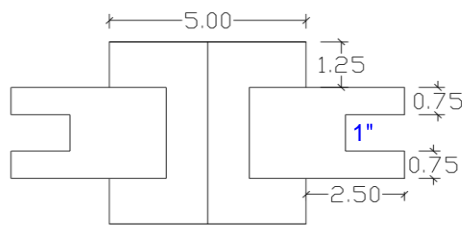


ORTHOGRAPHIC PROJECTION

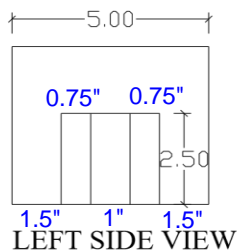
Example 3.4: Isometric to Orthographic Projection (Third Angle Projection). All units are in cm.



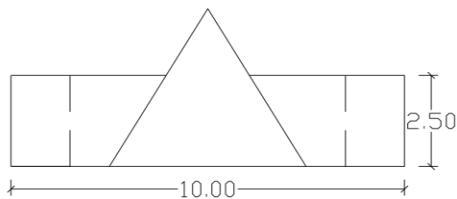
ISOMETRIC PROJECTION



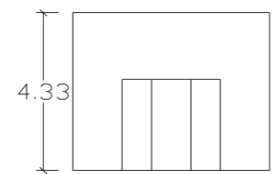
TOP VIEW



LEFT SIDE VIEW



FRONT VIEW



RIGHT SIDE VIEW

ORTHOGRAPHIC PROJECTION

### Reference

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