

Auxiliary & Detail Views

Mechanical Engineering

Two ways to show what a standard orthographic view distorts or hides.

Both need a label on the parent view and a matching label on the view.

Auxiliary views

Projected square to a sloped face

Only that face is true shape and size

Partial auxiliaries are the usual case

Always show the viewing direction

Detail views

Circle the region on the parent view

State the enlarged scale, such as 4:1

Give it a letter and match the label

Dimension the feature only once

Never dimension the same feature in two views. One place to change means one place to be wrong.