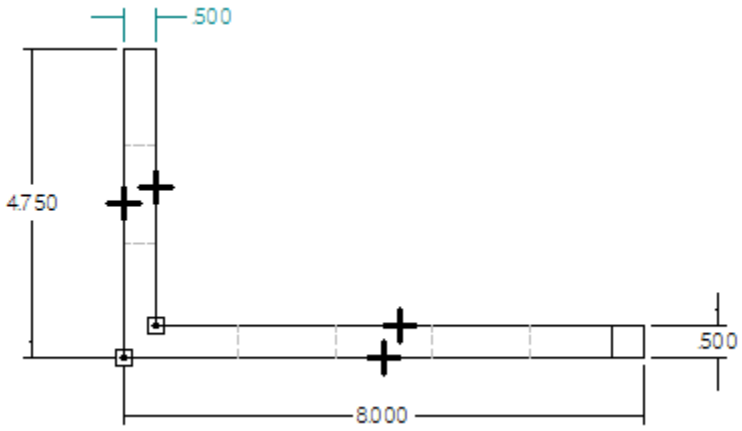
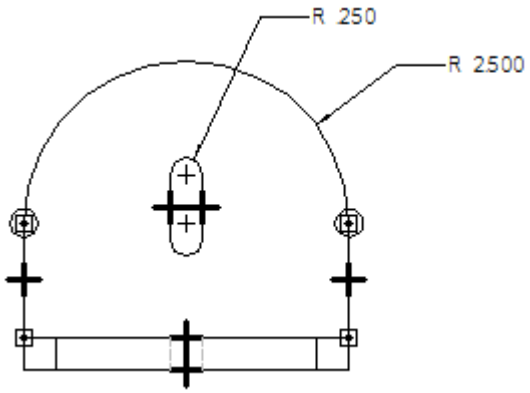
Quick Lab - Dimensions

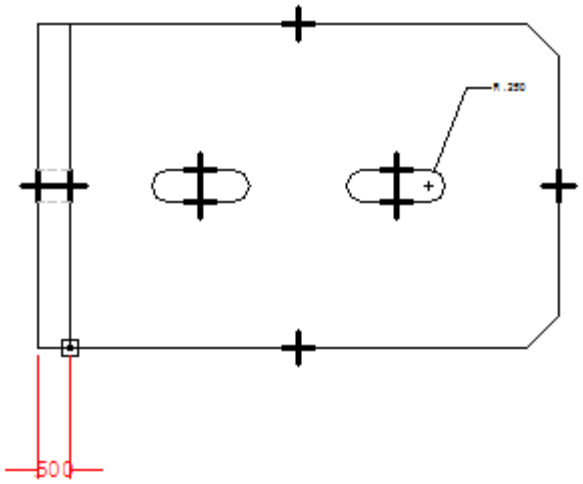
1) Open the file *DimensionLab.igr*.
2) Display the *Dimension* toolbar by clicking the *Dimension* command on the *Main* toolbar.
3) Place the dimensions shown below using the *SmartDimension* command . Dimension the left hand face, the bottom face, the right hand edge, and the top edge of **VIEW 1** in the drawing. Notice that the *SmartDimension* command is used to dimension individual objects.



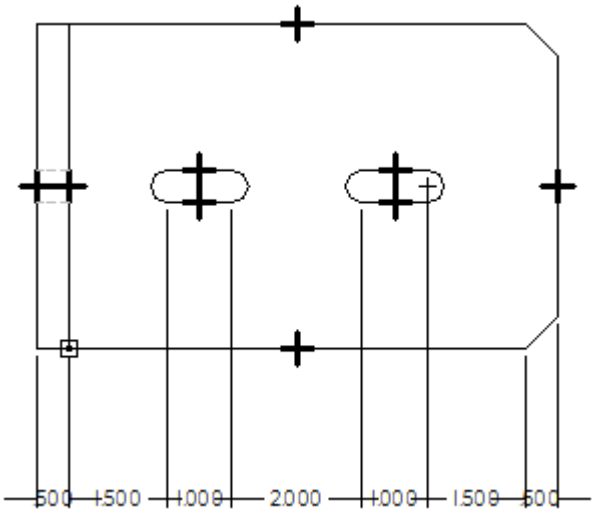
4) While still in the *SmartDimension* command, place a radius dimension on the vertical portion of the bracket in **VIEW 2** of the drawing and on the top of the slot as shown below.



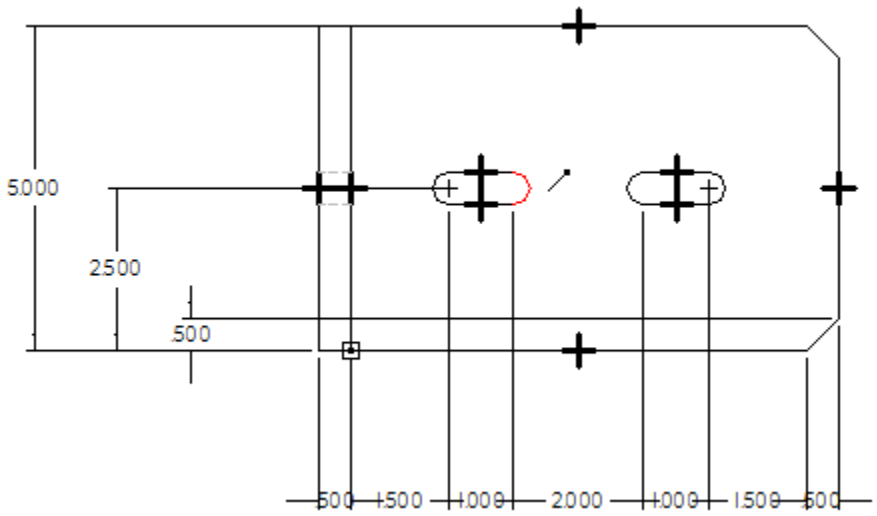
5) Zoom into **VIEW 3** of the bracket and select the *Distance Between* command . Click the left hand face and the inside face of the vertical section of the bracket, as shown below. Click a third point to place the dimension between the two faces.



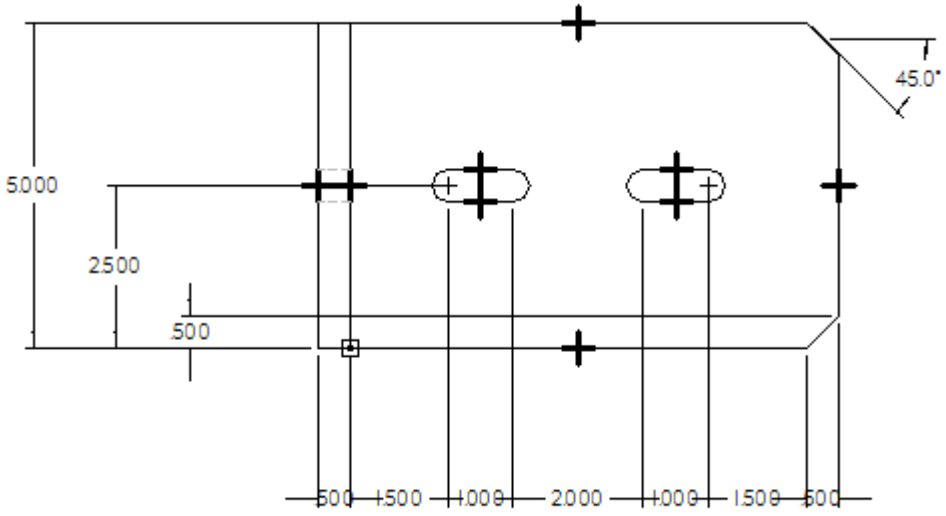
6) Continue in the *Distance Between* command and place dimensions by clicking each outside radius of the slots cut in the bottom portion of the bracket and the end points of the chamfer, as shown below. Notice that the dimensions display as either chained dimensions or stacked dimensions. Place the dimensions as chained dimensions. Right mouse click to exit the chained dimension string.



7) Select the *Distance Between* command again and click the bottom line on the lower left hand corner of View 3. After the first line is selected, click the top of the chamfer, the radius of the slot, and the top edge; place stacked dimensions instead of chained dimensions (see diagram below).



8) Finally, select the *Angle Between* command  and dimension the angle of the chamfered edge on the upper right hand corner of **View 3**.



9) Save the drawing.