

Digital Canal Corporation

Solution Papers

Summary: *Curved Walls*

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Overview: The following procedures below will accurately take you through the necessary steps to create curved walls from an outline.

1. Outline → Rectangle

For this paper we will use a 14'x25' rectangle outline.

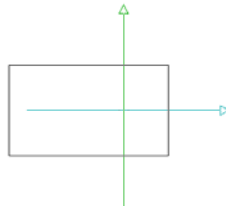


2. Outline → Equilateral

We will create a circle in the upper right hand corner with a radius of 7'.

Set the number of sides to 20 and indicate by side.

Hit E for end jump and jump to the upper right corner clicking only once to move there. Hit the X key and the keyboard and enter X -7', Y-7', Z0. This locates the center or radius point of the circle.



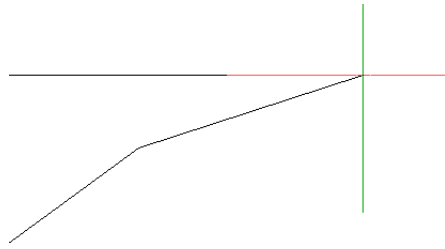
You are prompted to indicate side of equilateral. Hit the X key and enter 7'.

This creates the circle inside the rectangle with the edge of the circle tangent to the rectangle.

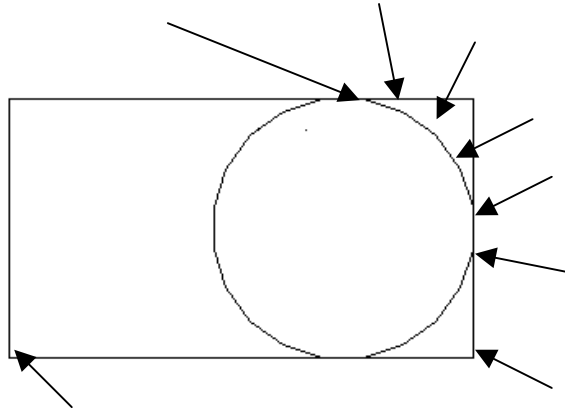


3. Outline → Closed. We will now create a third outline representing the finished shape by snapping to endpoints of the rectangle and the circle to create an outline with a curve in the upper left corner.

Hit the E key and select the upper left corner of the rectangle. Hit E and select the point where the circle meets the rectangle. Zoom in very close so that you can actually see the flat facet line of the circle and the point where it meets the rectangle.

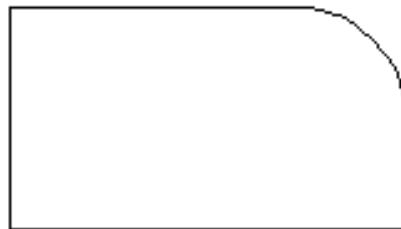


Snap to the next point and continue snapping to the facet points on the circle until you get to the vertical line on the left and then select the remaining points on the rectangle until you reach the upper left hand



corner where you started. Click twice and Esc to end the command. **SAVE YOUR WORK !!!!**

4. Now select remove and remove the rectangle outline and the circle outline.



5. Select Wall or Floor icon and use the outline to create your walls and floor. Make sure you toggle on the Miter in the Options so that the plates or rim joist are mitered.