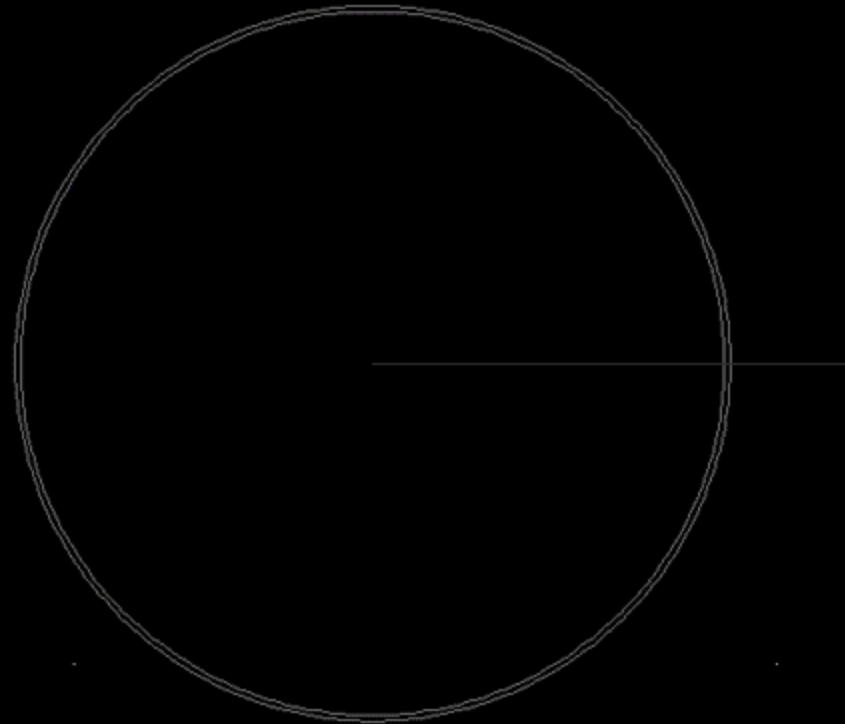




Draft two concentric circles (or arcs, polylines or splines) that represent the form of the wire mesh.

Use a guideline to indicate the centerpoint of the circles.

Note: if you have a more complex form, complete the following sequence in multiple steps, using separate centerpoints for each portion of the complex curve.

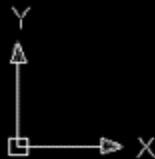
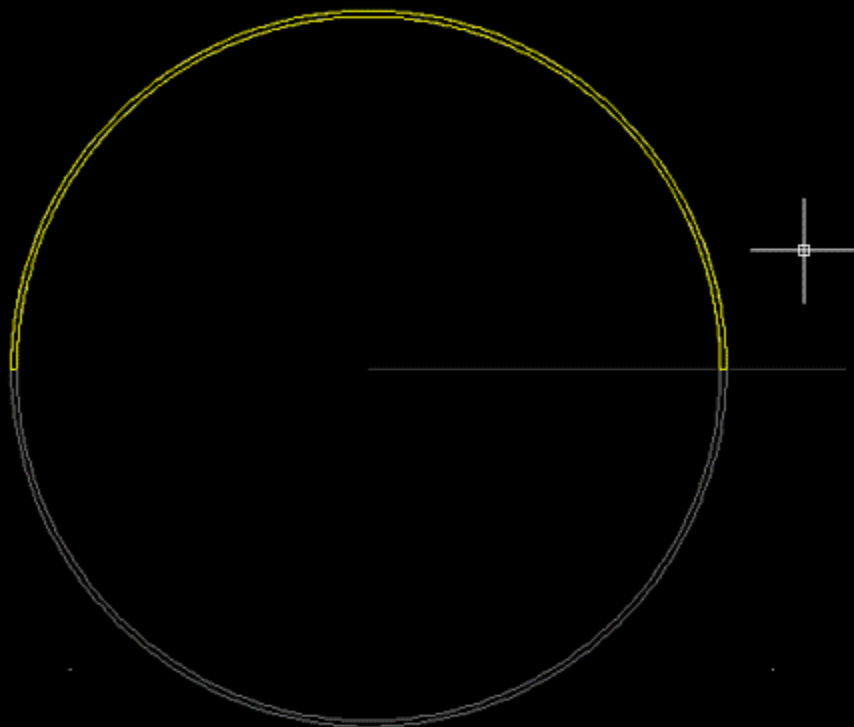


```
Command: m MOVE 1 found
Specify base point or [Displacement] <Displacement>: Specify second point or
<use first point as displacement>: 40'
Command:
```

2.23766E+03, 2.35491E+03, 0'-0"



Trace the form with a single closed polyline.

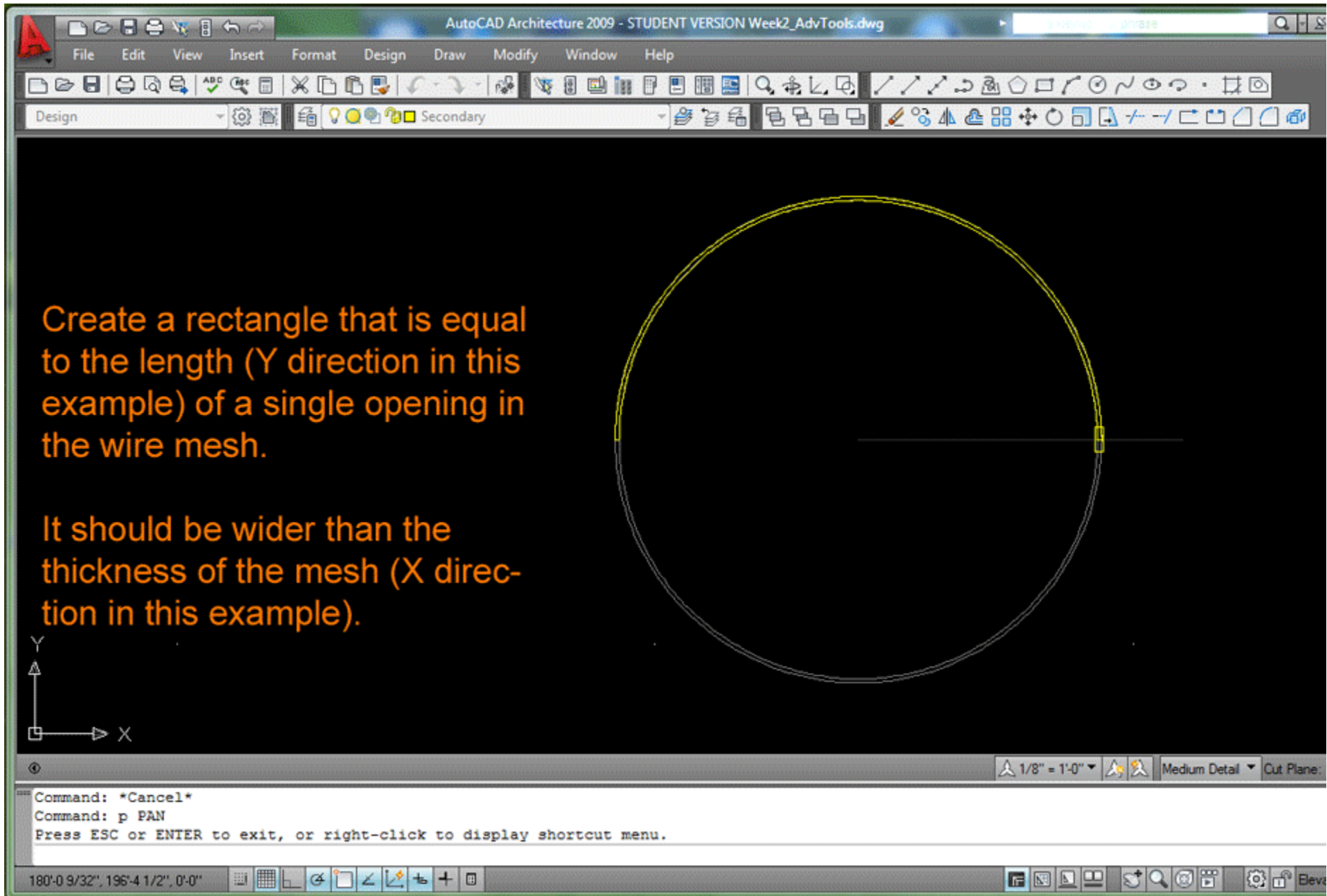


Specify base point or [Displacement] <Displacement>: Specify second point or <use first point as displacement>: 40'  
Command: u MOVE  
Command:

180'-5 1/8", 195'-11 1/4", 0'-0"

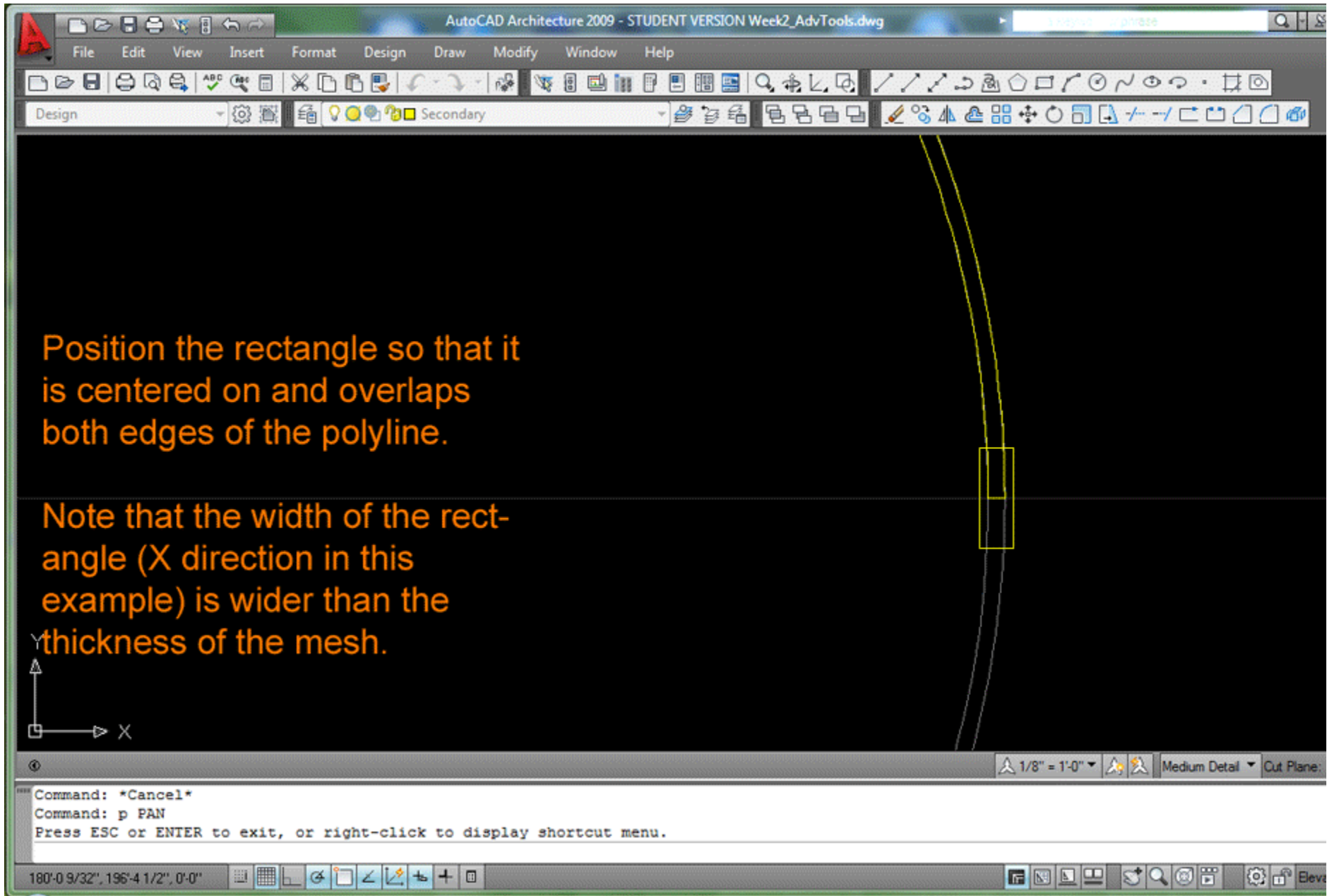
1/8" = 1'-0" Medium Detail Cut Plan





Create a rectangle that is equal to the length (Y direction in this example) of a single opening in the wire mesh.

It should be wider than the thickness of the mesh (X direction in this example).



Position the rectangle so that it is centered on and overlaps both edges of the polyline.

Note that the width of the rectangle (X direction in this example) is wider than the thickness of the mesh.

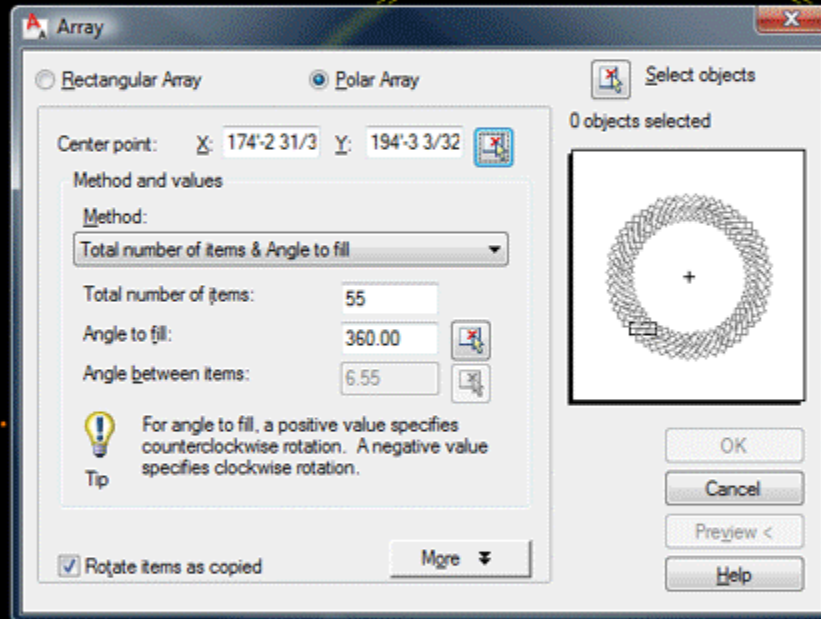
Command: \*Cancel\*  
Command: p PAN  
Press ESC or ENTER to exit, or right-click to display shortcut menu.



Use the ARRAY command and select Polar Array.

The number of copies of the rectangle you wish to make will vary depending upon the diameter of the curve and the size of the openings in the wire mesh.

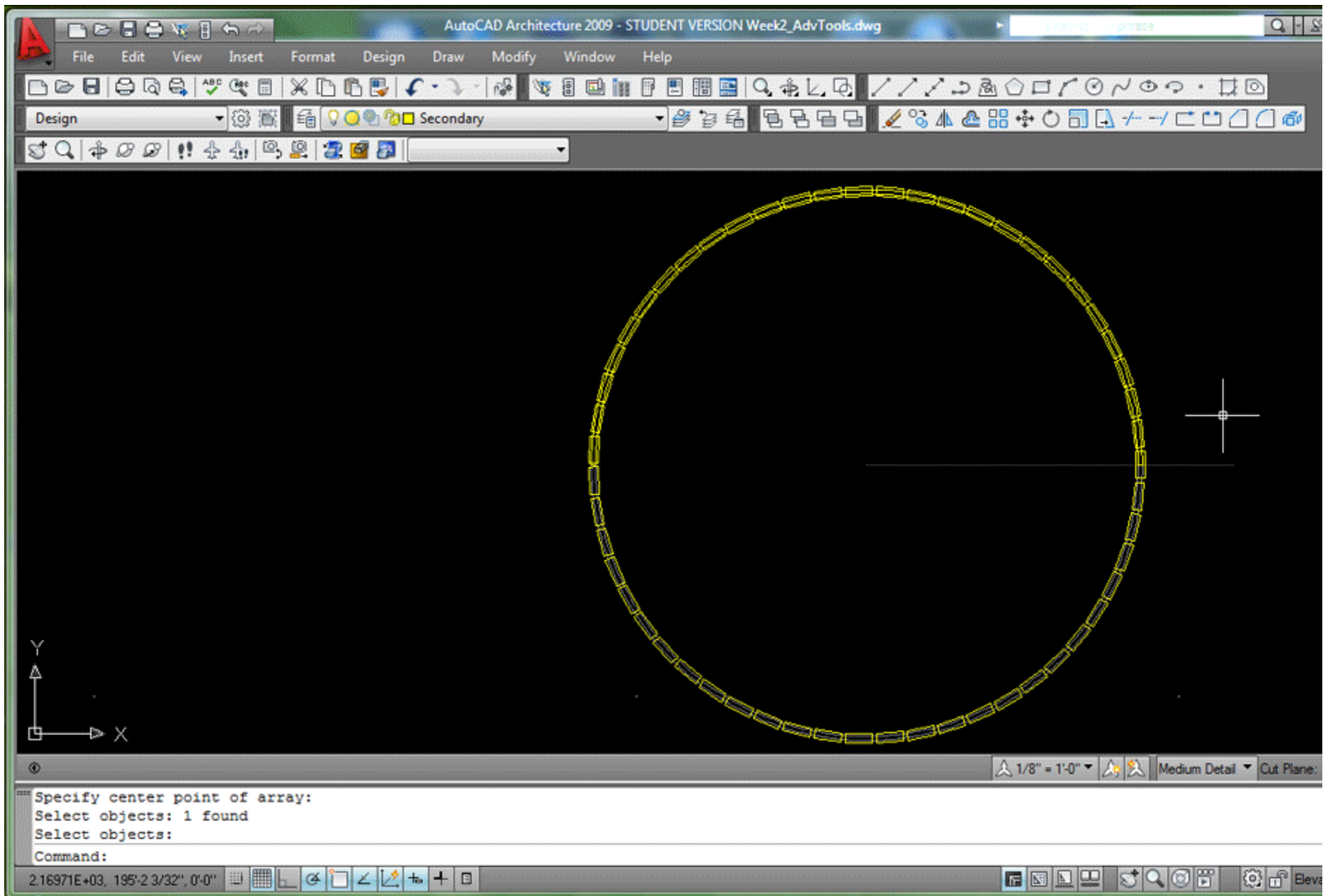
Select the Center Point of the curves within your drawing, and select the object (rectangle) to array).

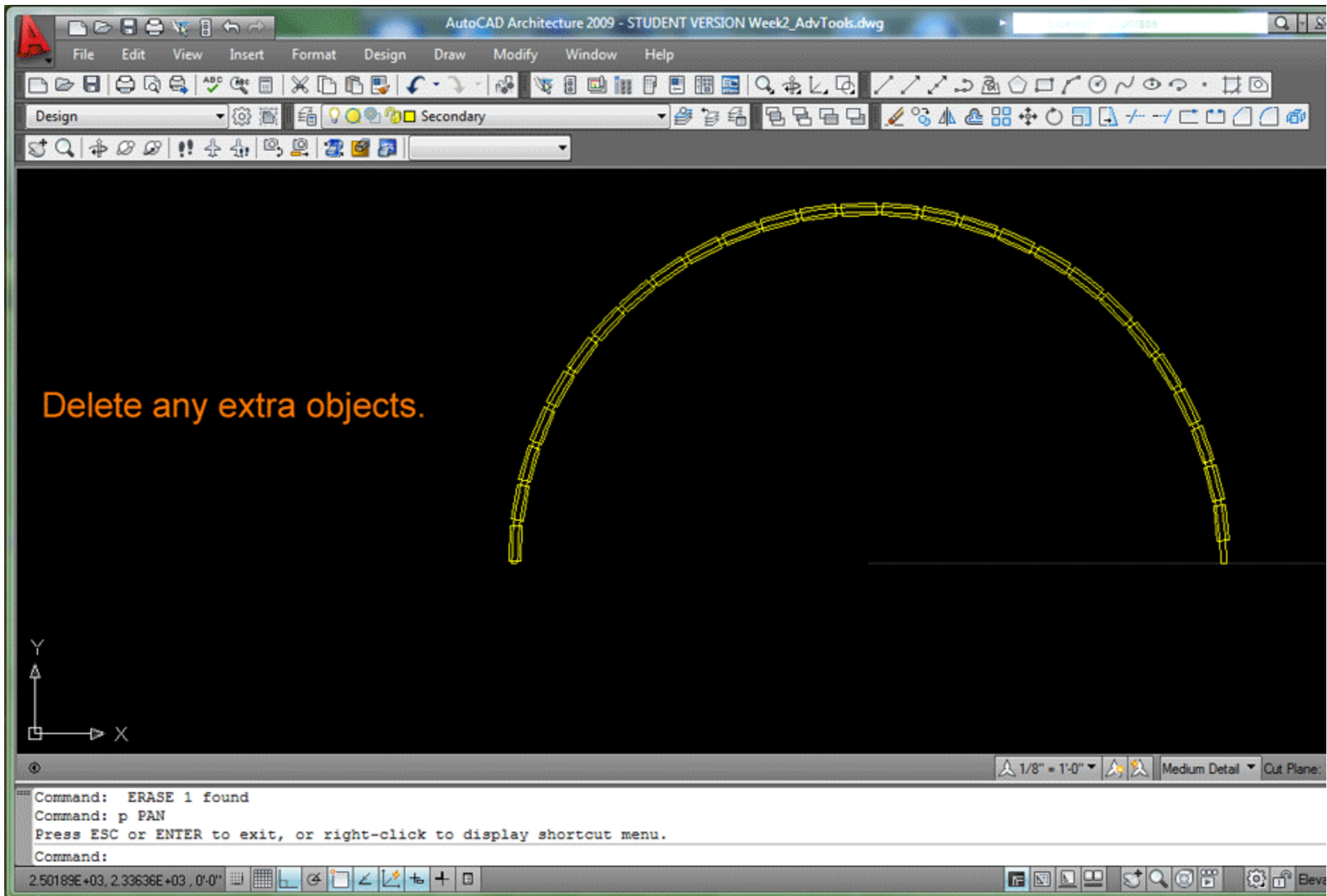


```
Command: p PAN
Press ESC or ENTER to exit, or right-click to display shortcut menu.
Command: array
Specify center point of array:
```

```
2.09096E+03, 194'-3 3/32", 0'-0"
```

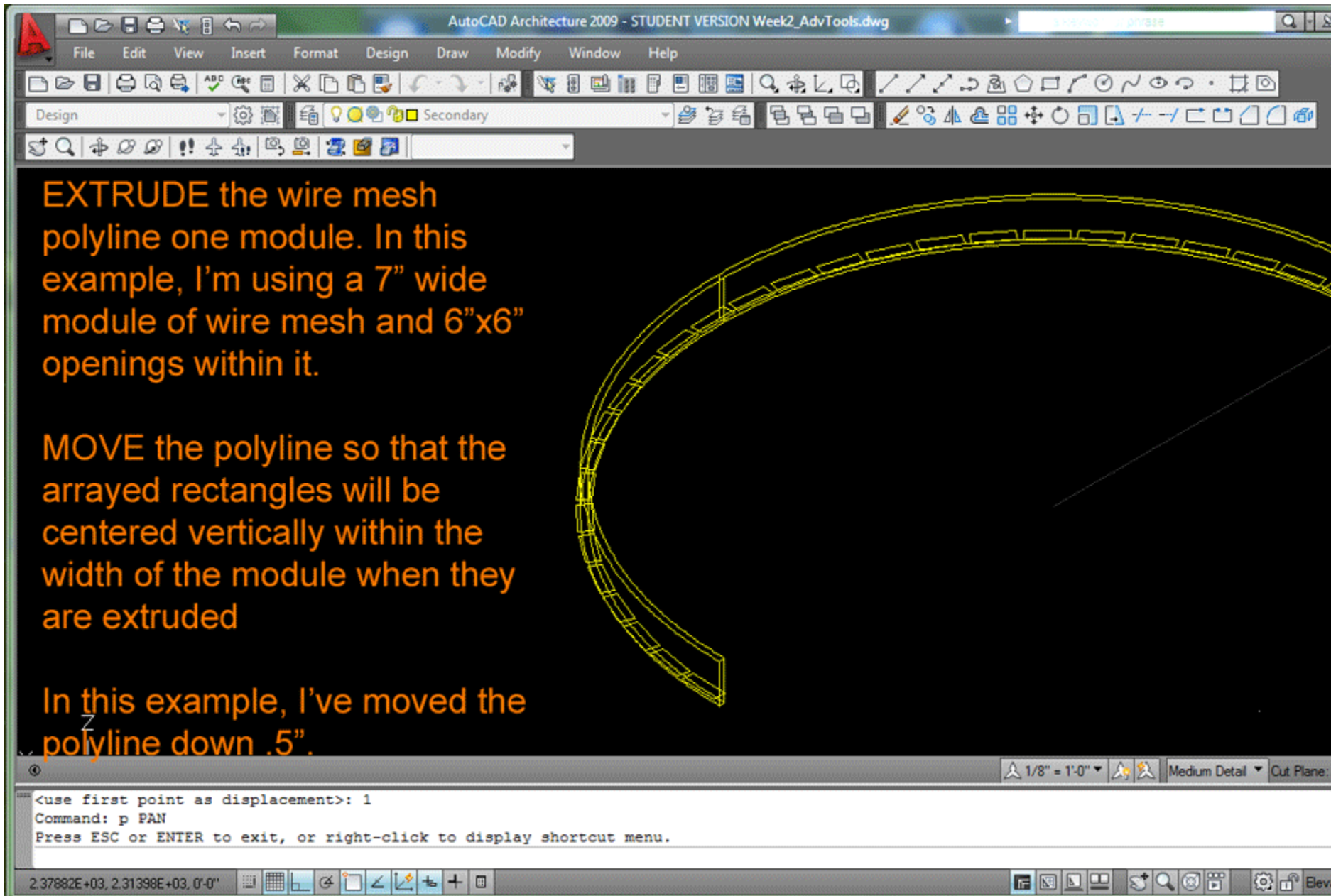






Delete any extra objects.

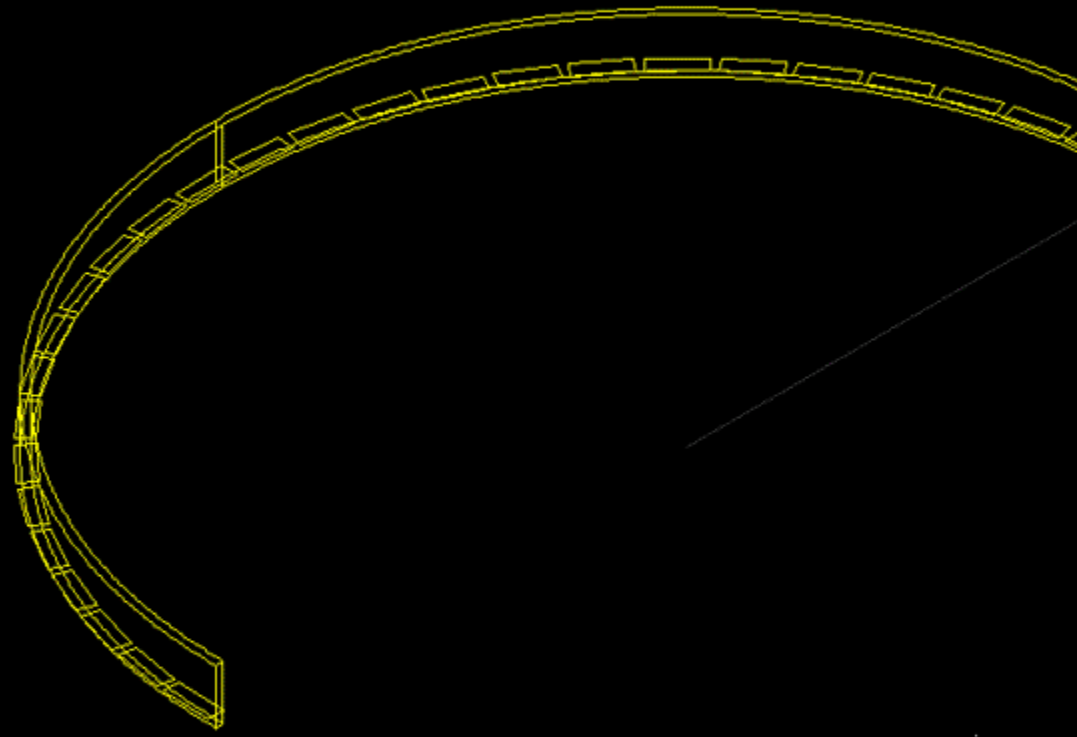
Command: ERASE 1 found  
Command: p PAN  
Press ESC or ENTER to exit, or right-click to display shortcut menu.  
Command:



**EXTRUDE** the wire mesh  
polyline one module. In this  
example, I'm using a 7" wide  
module of wire mesh and 6"x6"  
openings within it.

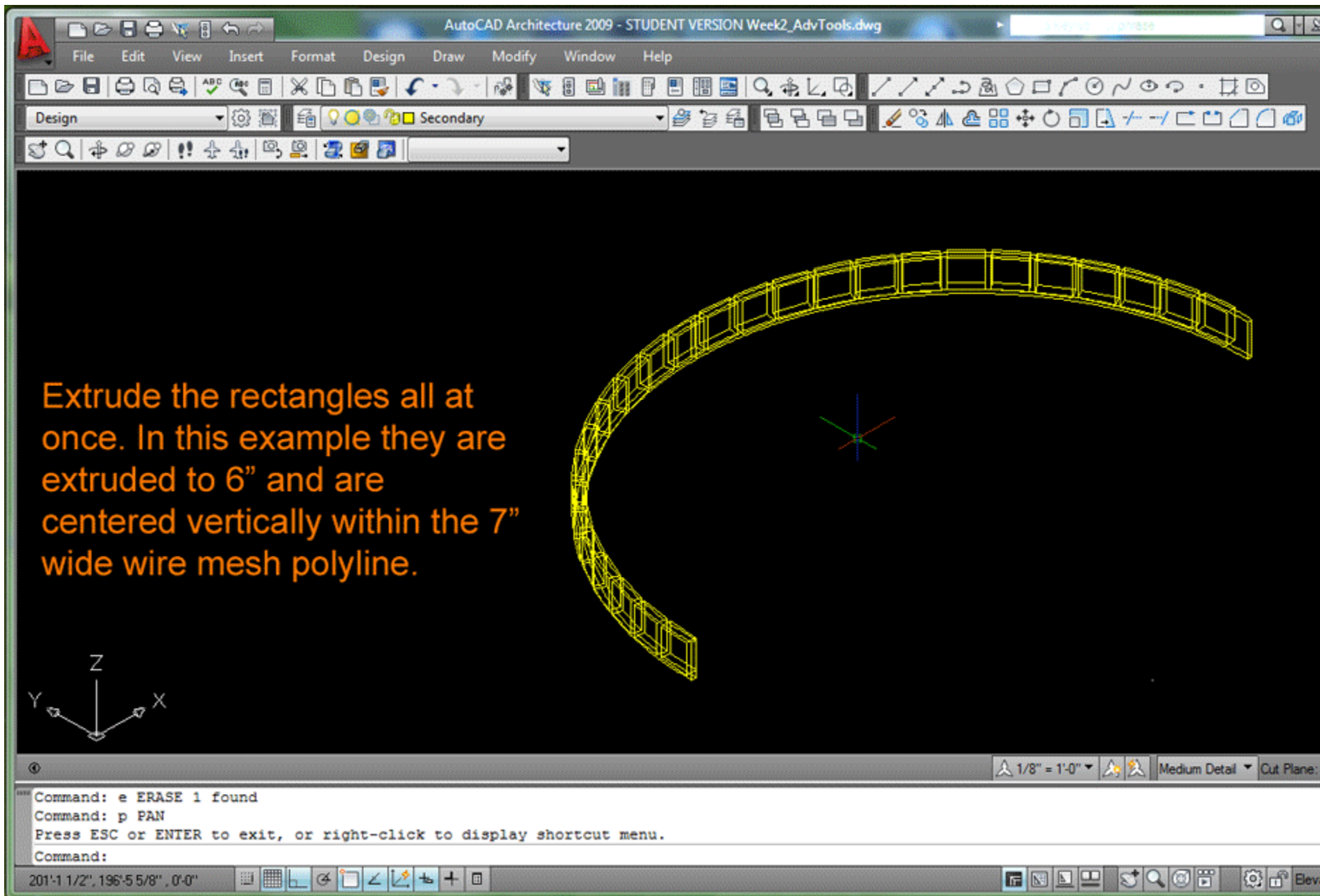
**MOVE** the polyline so that the  
arrayed rectangles will be  
centered vertically within the  
width of the module when they  
are extruded

In this example, I've moved the  
polyline down .5".



<use first point as displacement>: 1  
Command: p PAN  
Press ESC or ENTER to exit, or right-click to display shortcut menu.





Extrude the rectangles all at once. In this example they are extruded to 6" and are centered vertically within the 7" wide wire mesh polyline.

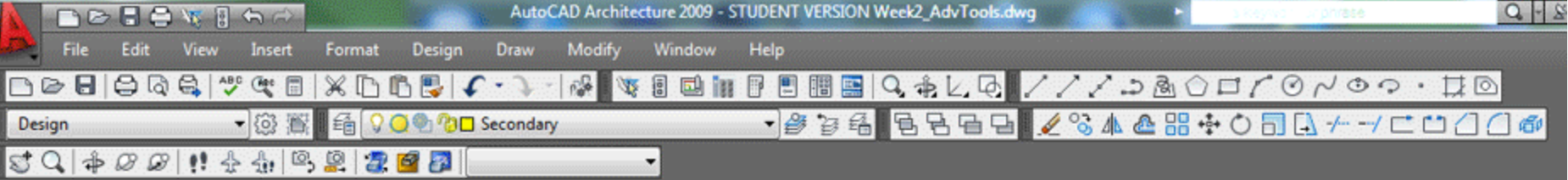


Command: e ERASE 1 found  
Command: p PAN  
Press ESC or ENTER to exit, or right-click to display shortcut menu.  
Command:

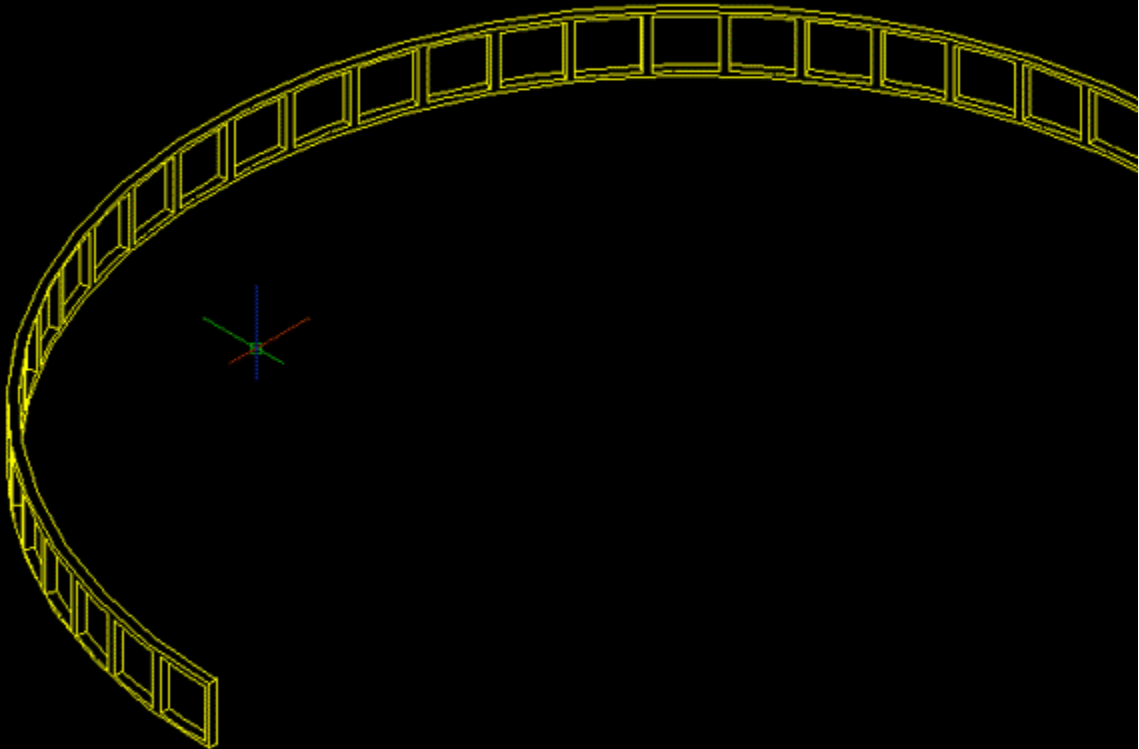
201'-1 1/2", 196'-5 5/8", 0'-0"

1/8" = 1'-0" Medium Detail Cut Plane:

AutoCAD navigation and display icons

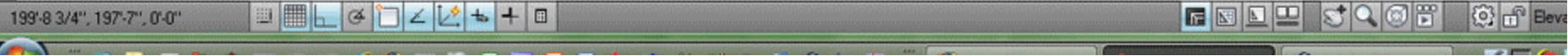


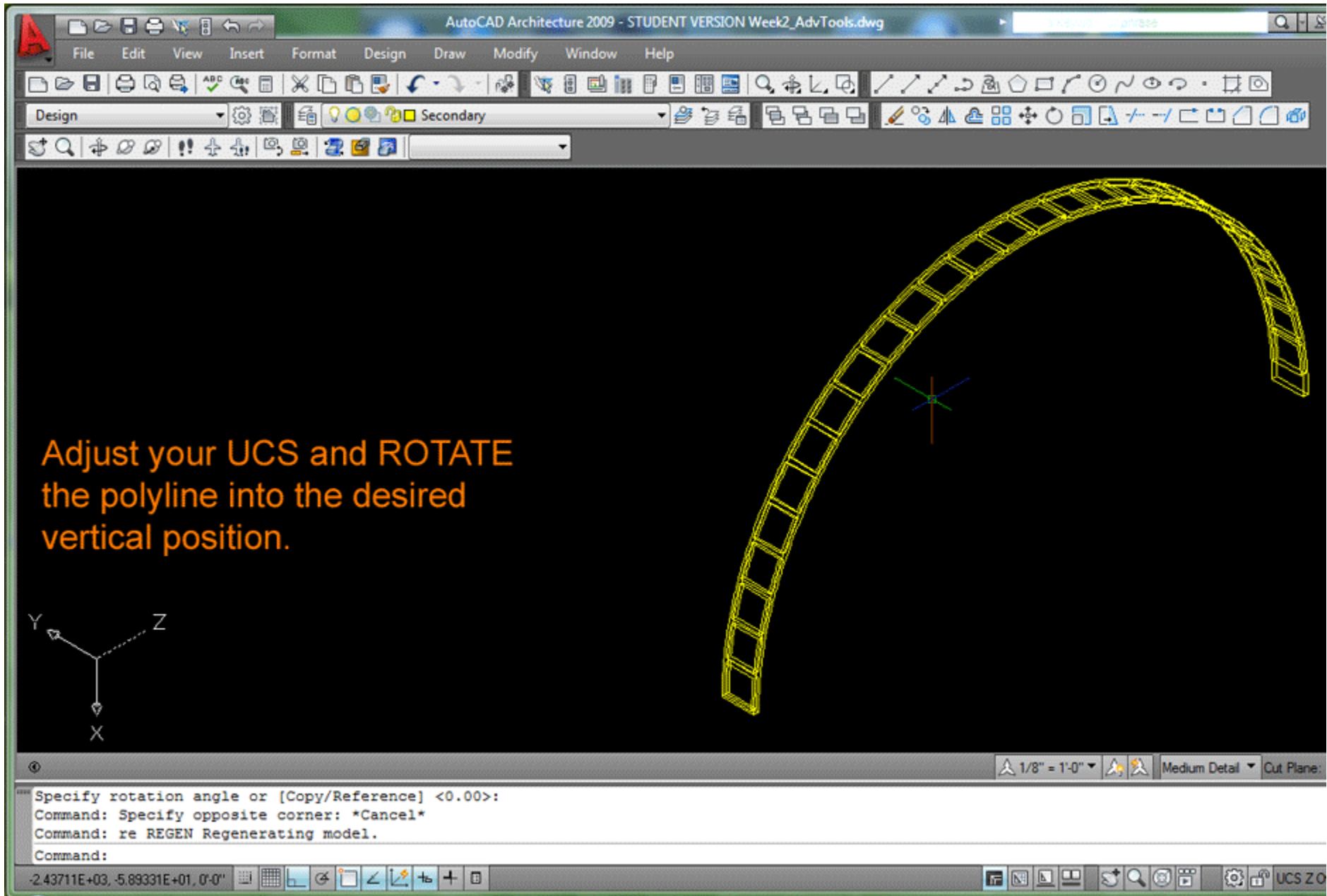
**SUBTRACT** the rectangles from the polyline and **HIDE** to view your work.



1/8" = 1'-0" Medium Detail Cut Plane:

Command: p PAN  
Press ESC or ENTER to exit, or right-click to display shortcut menu.  
Command: hide Regenerating model.  
Command:







Use the ARRAY command to access Rectangular Array.

The 'ARRAY' dialog box is open, showing the 'Rectangular Array' configuration. The 'Rows' field is set to 4 and 'Columns' to 1. The 'Offset distance and direction' section shows 'Row offset' as 7", 'Column offset' as 0", and 'Angle of array' as 0.00. A tip icon is present with the text: 'By default, if the row offset is negative, rows are added downward. If the column offset is negative, columns are added to the left.' On the right, there is a 'Select objects' button and a preview window showing 0 objects selected. At the bottom of the dialog are 'OK', 'Cancel', 'Preview &lt;', and 'Help' buttons.

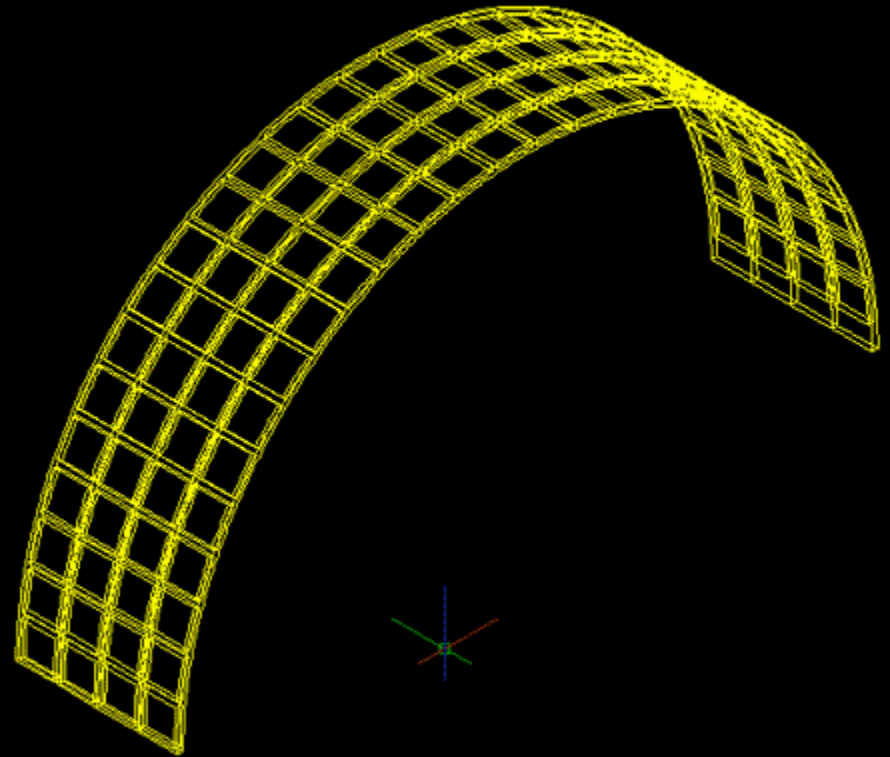


Select objects: Specify opposite corner: 1 found  
Select objects:  
Command: u ARRAY  
Command: array





Create an array of the original polyline.

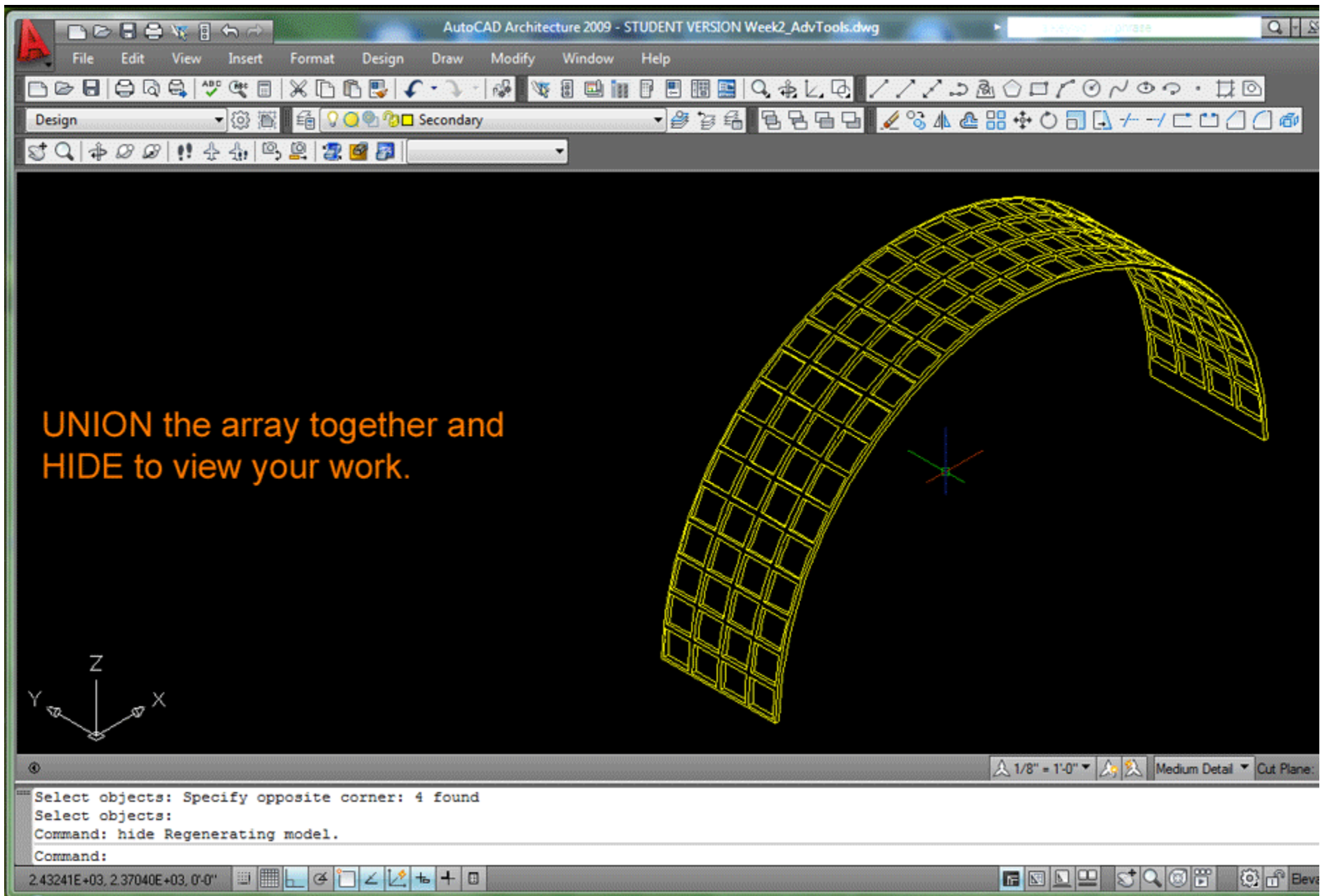


Command: union  
Select objects: \*Cancel\*  
Command: \*Cancel\*  
Command:

2.39658E+03, 194'2 9/32", 0'-0"

1/8" = 1'-0" Medium Detail Cut Plane:





UNION the array together and  
HIDE to view your work.

Select objects: Specify opposite corner: 4 found  
Select objects:  
Command: hide Regenerating model.  
Command:

2.43241E+03, 2.37040E+03, 0'-0"