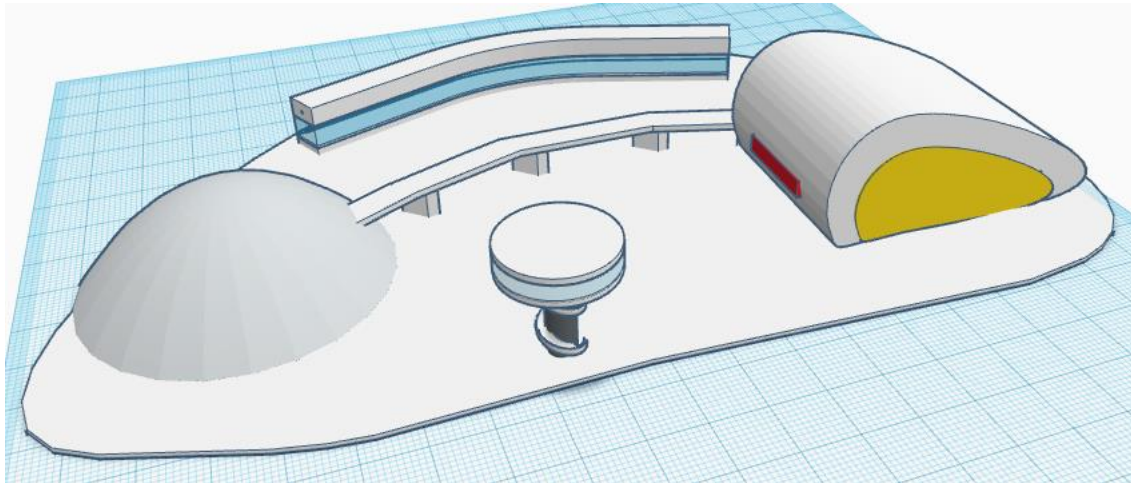


OSCAR NIEMEYER'S INTERNATIONAL CULTURAL CENTRE PRINTING PARAMETERS.



This time we get a group of buildings instead of just a monument, because of that we are going to analyse one by one all the buildings placed in that Cultural Centre:

- Dome: This structure should not be a problem for us when we print it.
- Auditorium: The snail shape will not be a problem to get a successful printing.
- Polyvalent building: It is a curved solid piece, so that structure is one of the easiest shapes to print.
- Tower: When we print this piece, we need to add some brackets due to the lack of surface in contact with the base. Another problem could be the snail stairs because of the size and the scale.
When testing the printing, we that due to the size and the suspending structure the stairs will not get printed in a good way.
- Walkway: In our model no problems were found due to a perfect bridging and the pillars' placement that support the structure.

Parameters in our Oscar Niemeyer's international cultural centre printing.

Printing size: X: 105mm Y: 60mm Z: 13mm

Layer height: 0'20mm/s

Print speed: 40mm/s

Travel speed: 60mm/s

Expected time: 1h 10mins.