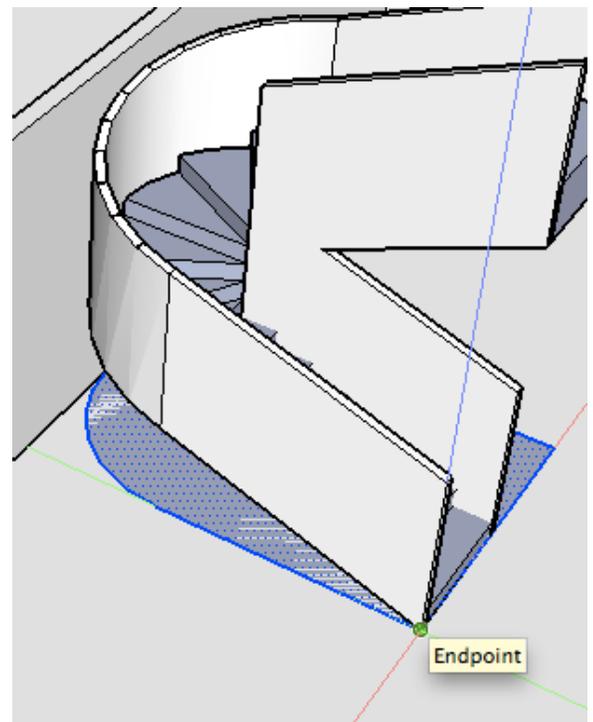
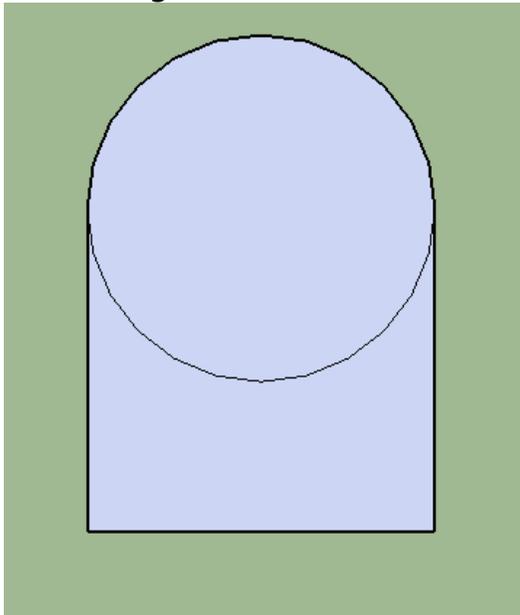


Design and Production
Building Ville Savoye Part 4 – BUILDING THE FAÇADE

This document will show you how to draw your façade (exterior walls) for your Ville Savoye.

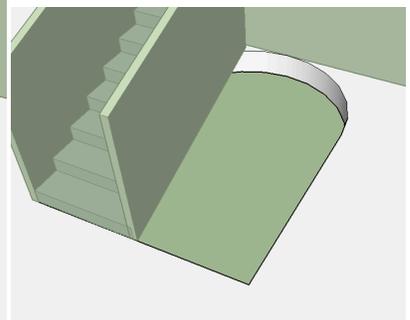
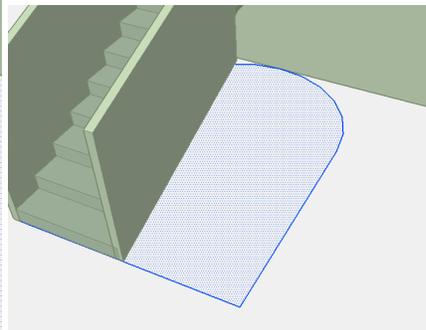
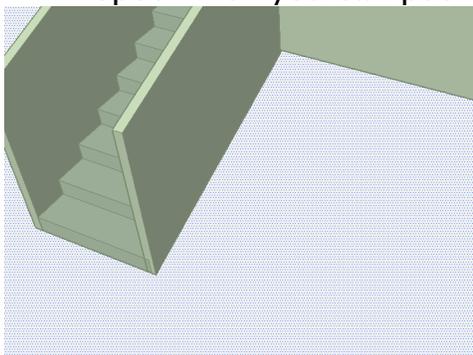
We'll start by cutting the hole for the stairs, then lining up and stacking your floors.

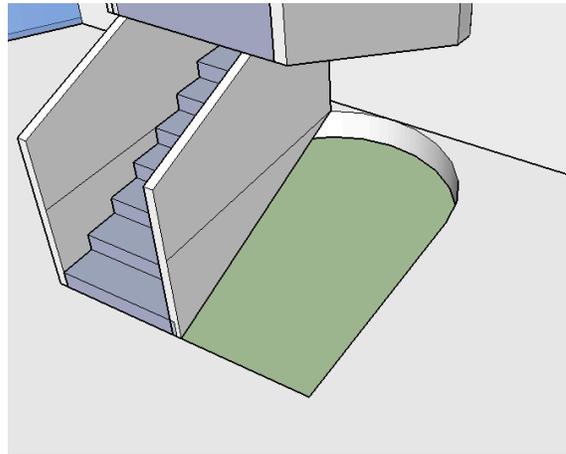
1. You should have your stairs on each floor in the correct position. Draw the shape of the hole we need to cut in the floor by drawing a circle with a radius of 3'9". Then draw lines 7' downward from the left and rightmost points and connecting them at the bottom. Erase the extra line.



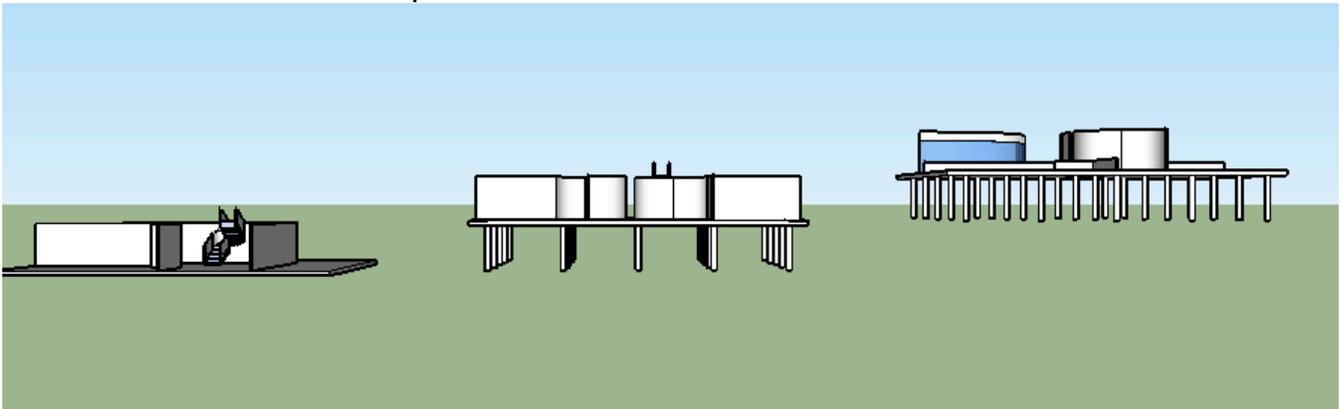
2. Now move>copy this shape into place below your stairs on all except the bottom floors. It should line up perfectly with the endpoint on the bottom of the stairs.

3. Now one at a time, select the shape, go to Edit Menu > CUT, to copy/cut the shape. Now double click into the group of the floor object until you can select the floor. Go to EDIT MENU > Paste in Place to paste the object in the same spot. Then you can push it downward 1' to cut the hole.

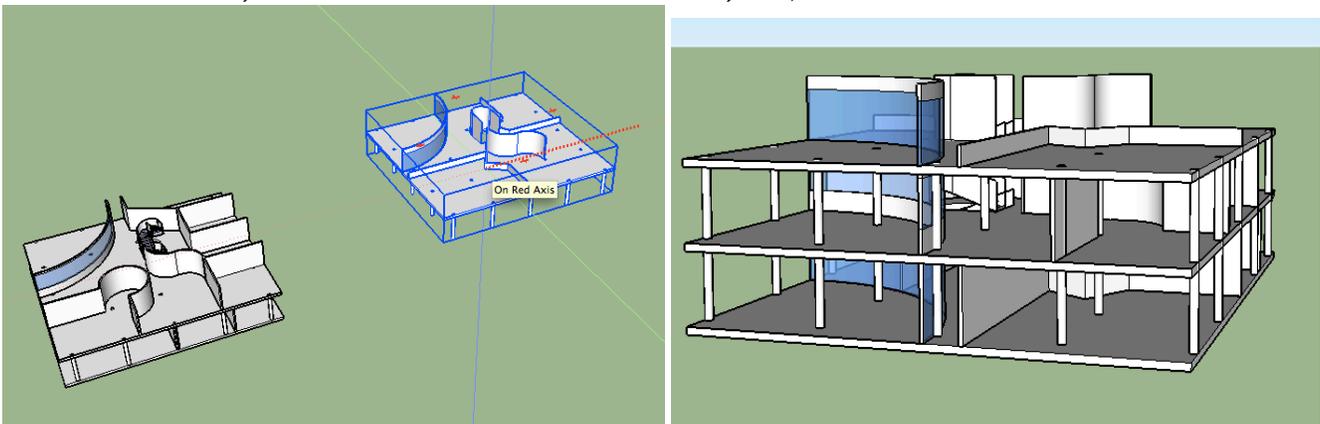




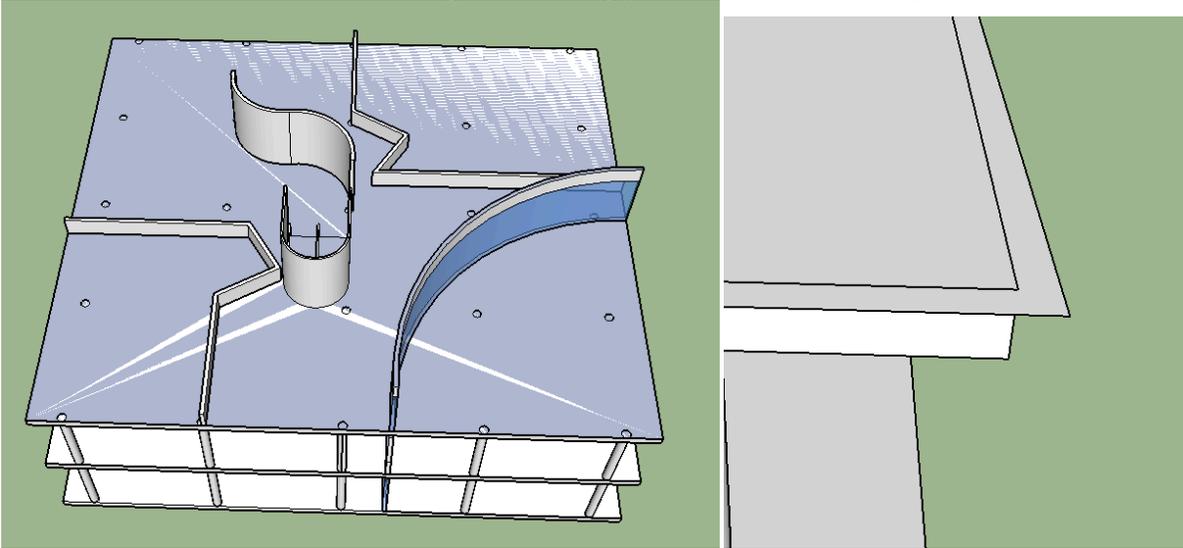
4. Repeat that for each floor.
5. Now, delete all your guidelines by going to Edit>Delete Guides. **Then, select each of the floors (columns, floor, walls, stairs, everything) and turn them into individual groups.** Each of the floors should be spaced 100' apart so all we really need to do is move them up or down to the correct height, then we can move them into place above each other.



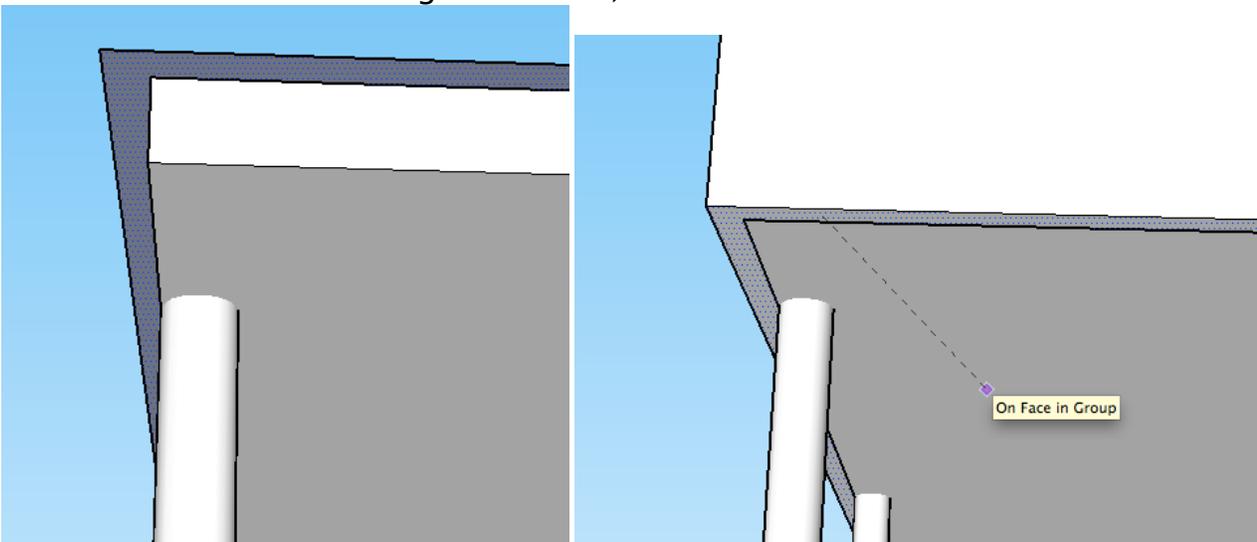
6. Select the ground floor and move it downward 10'6". Leave the main living floor alone. Select the second living floor or the roof and move it upward 10'6". If you've got another floor move that upward 21'. Then you can select them and move them over the ground floor in 100' increments (so the closest one moves 100' over, the next one moves 200' over, etc)



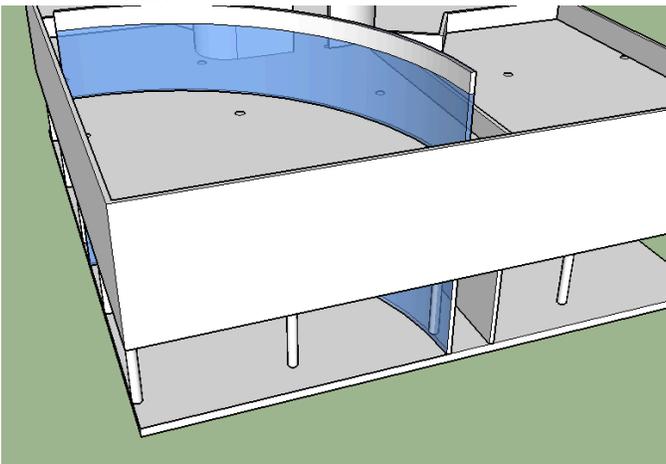
7. Now draw a rectangle at the top of the structure from one corner to the other, the same shape as the floor. Offset this rectangle outwards 6 inches, then delete the inner rectangle, leaving just the 6 inch ring outside the structure.



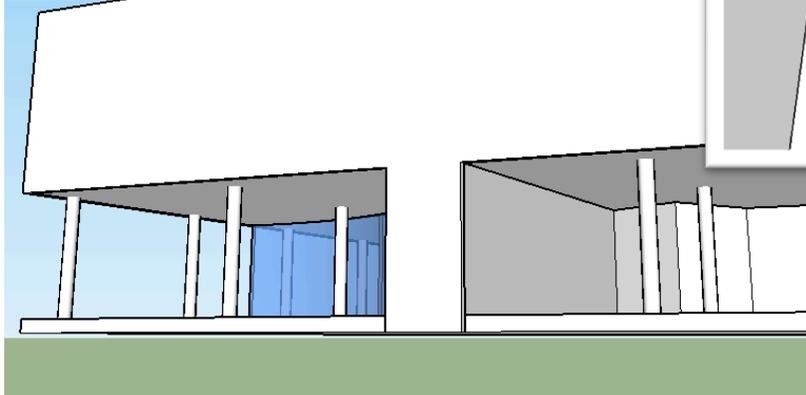
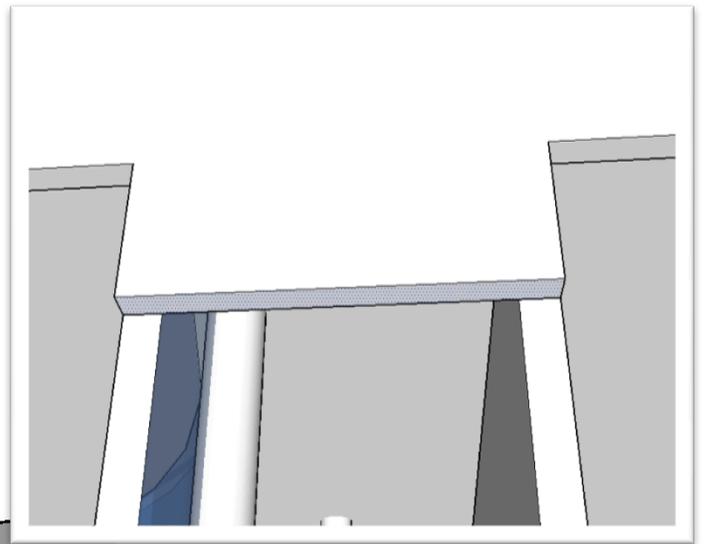
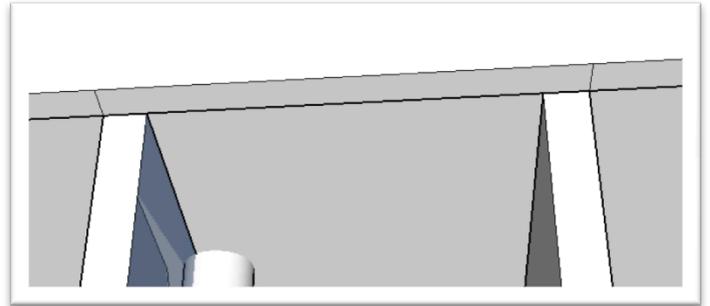
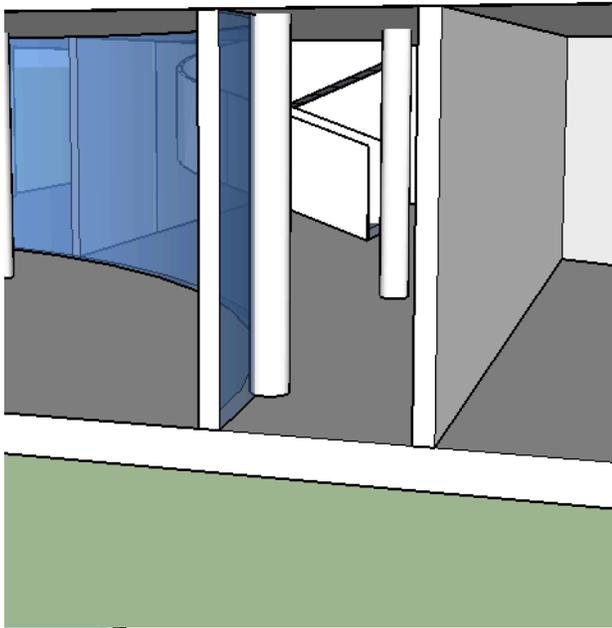
8. Pull this downward to match the bottom of the first living floor (not all the way to the bottom of the ground floor).



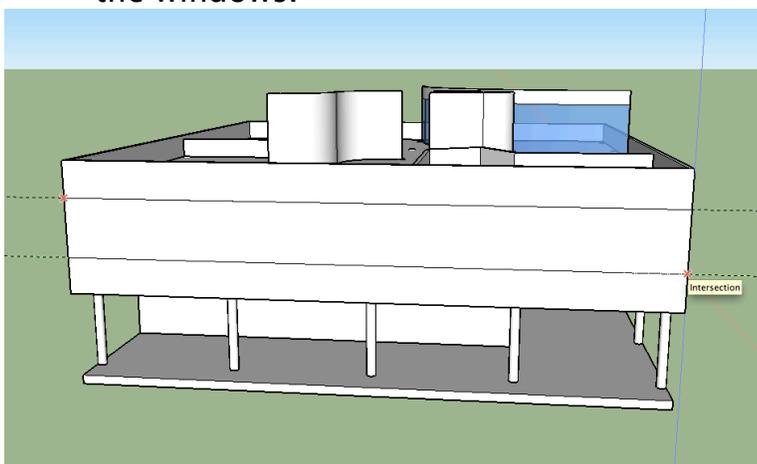
9. Then you can pull the top part up about 3' to create a sidewall for the roof level.



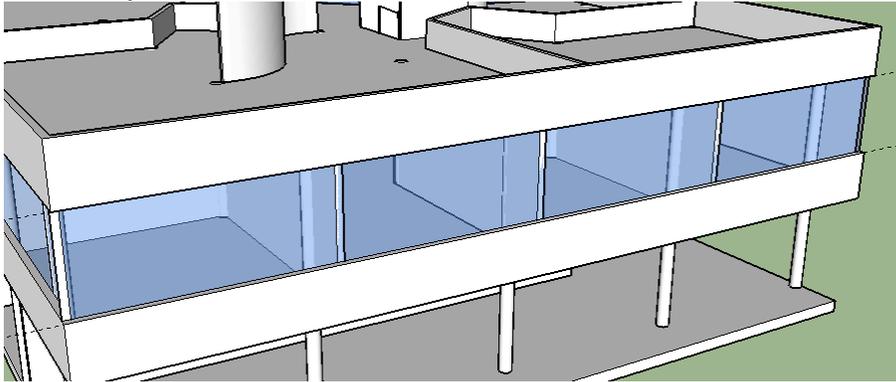
10. You can zoom into areas where the wall needs to come down to the ground to create walls for the ground floor area. Just draw lines on the bottom face of our exterior wall to separate the areas you want to pull down.



11. Now you can use guidelines to line up the shapes you want to create for the windows.



12. Push those shapes inward 6 inches, then color the face that remains with a transparent material. Then you can pull it back outward 3 inches, and it will be transparent.



13. You can use push pull to continue these windows around corners, or if you desire, delete the face that remains to leave areas open to the air. Use your creative designs to create interesting window patterns/shapes.

