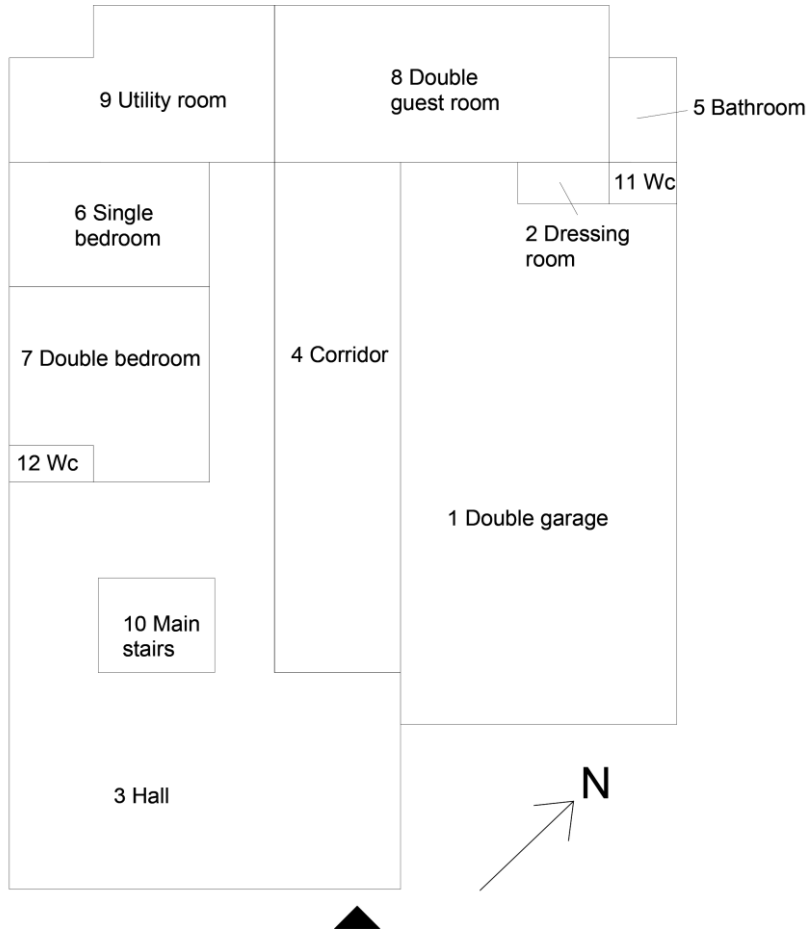


Villa Savoye [8] is the modernist villa built between 1928 and 1931 for the Savoye [8] family, located in Poissy, in the suburbs of Paris, France, by Swiss architect Le Corbusier and Pierre Jeanneret. Compact, 3-story detached building on a rectangular plan, located on a meadow surrounded by forest. The ground floor consists mainly of guest rooms, a spacious hall and a garage. The first floor is the main living space with kitchen, living room and spacious rooms. The second floor contains roof terrace and sculptural structures. Vertical communication is provided by main communication ramp with additional staircase. The building is an icon of modernist architecture thanks to its minimalist, open space, large windows and the interconnection of the interior space with the exterior. The current benchmark data take into account the ground floor functional program and its rectilinear representation.

Floor simplified layout



Room geometrical properties

No.	Floor	Name	Area sq. m.	Dimension Y (width) bounding box (cm)	Dimension X (length) bounding box (cm)	Bounding box area (sq. m.)	Area sq. Cm	Bounding box area sq. cm.	Room location relative to cardinal directions
1	0	Double garage	50,41	1200	526	63,08	504100	630803	North East
2	0	Dressing room	1,59	220	159	3,49	15900	34935	North East
3	0	Hall	52,68	1384	1106	153,14	526800	1531417	South, South East
4	0	Corridor	22,69	982	240	23,55	226900	235513	Internal space
5	0	Bathroom	2,89	200	161	3,22	28900	32172	North, North East
6	0	Single bedroom	8,74	261	381	9,95	87400	99462	South West
7	0	Double bedroom	12,8	394	381	15,01	128000	150142	South West

8	0	Double guest room	19,22	425	686	29,15	192200	291533	North West
9	0	Utility room	13,22	299	505	15,10	132200	151039	West, North West
10	0	Main stairs	3,99	180	241	4,34	39900	43419	Internal space
11	0	Wc	1,01	151	103	1,56	10100	15618	North East
12	0	Wc	1,12	70	160	1,12	11200	11222	South West
		TOTAL AREA	190,36						

Room adjacency matrix

	Double garage	Dressing room	Hall	Corridor	Bathroom	Single bedroom	Double bedroom	Double guest room	Utility room	Main stairs	Wc	Wc
Double garage	-	0	1	0	0	0	0	0	0	0	0	0
Dressing room	0	-	0	0	0	0	0	1	0	0	0	0
Hall	1	0	-	1	0	1	1	0	1	1	0	1
Corridor	0	0	1	-	0	0	0	0	0	0	0	0
Bathroom	0	0	0	0	-	0	0	1	0	0	1	0
Single bedroom	0	0	1	0		0	0	0	0	0	0	0
Double bedroom	0	0	1	0	0	0	-	0	0	0	0	0
Double guest room		1	0	0	1	0	0	-	1	0	0	0
Utility room	0	0	1	0	0	0	0	1	-	0	0	0
Main stairs	0	0	1	0	0	0	0	0	0	-	0	0
Wc	0	0	0	0	1	0	0	0	0	0	-	0
Wc	0	0	1	0	0	0	0	0	0	0		-

Room topological graph

