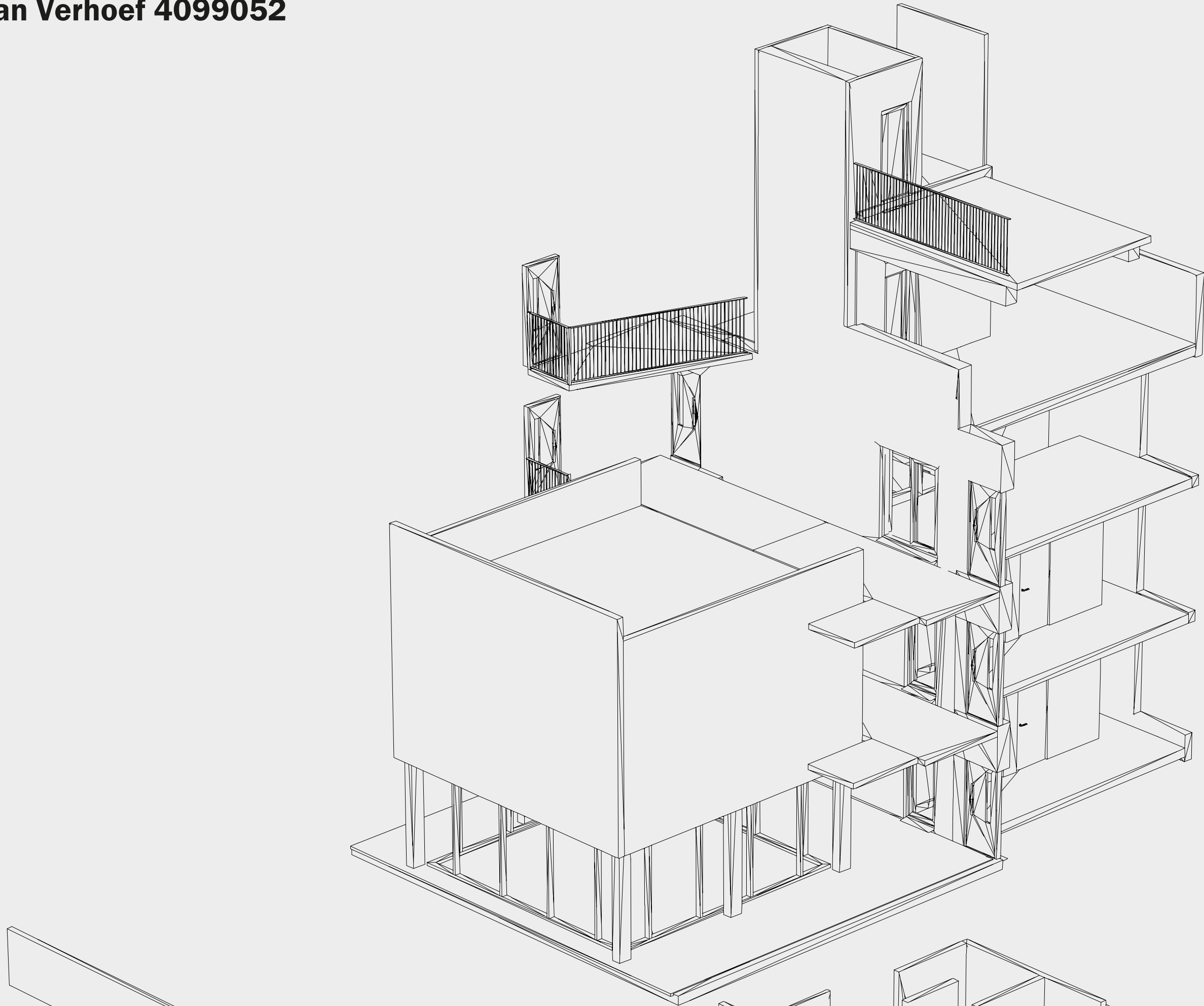
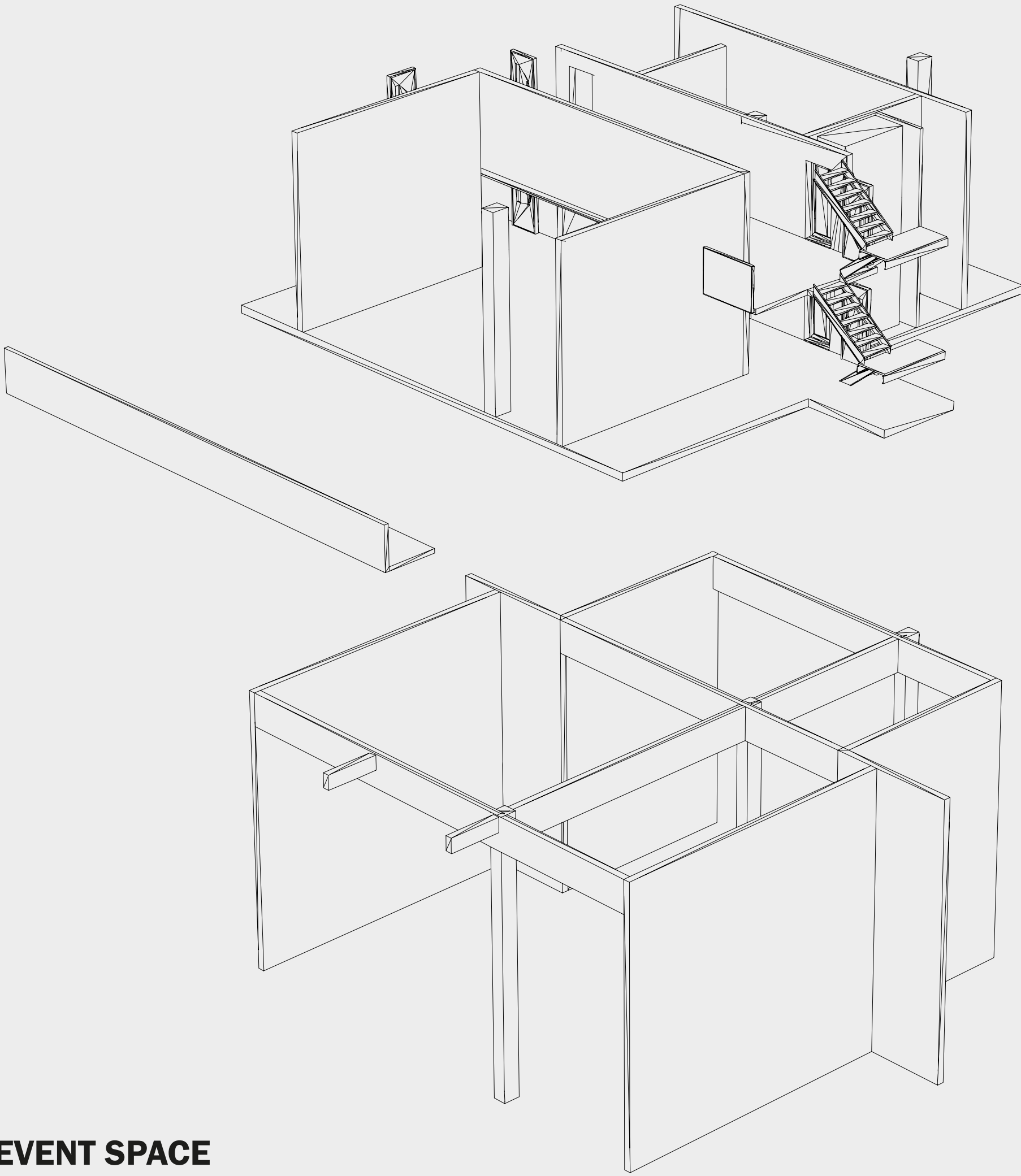
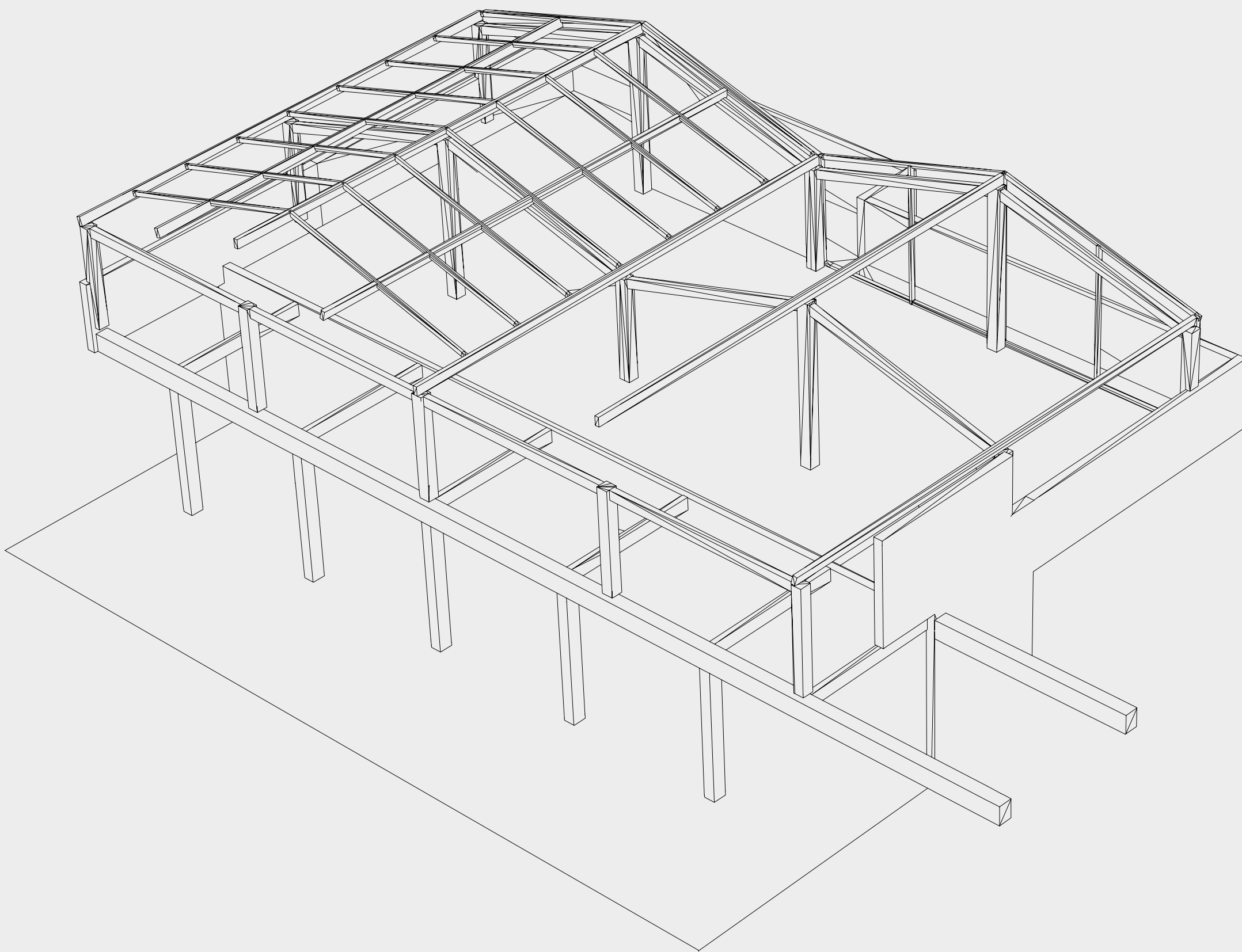




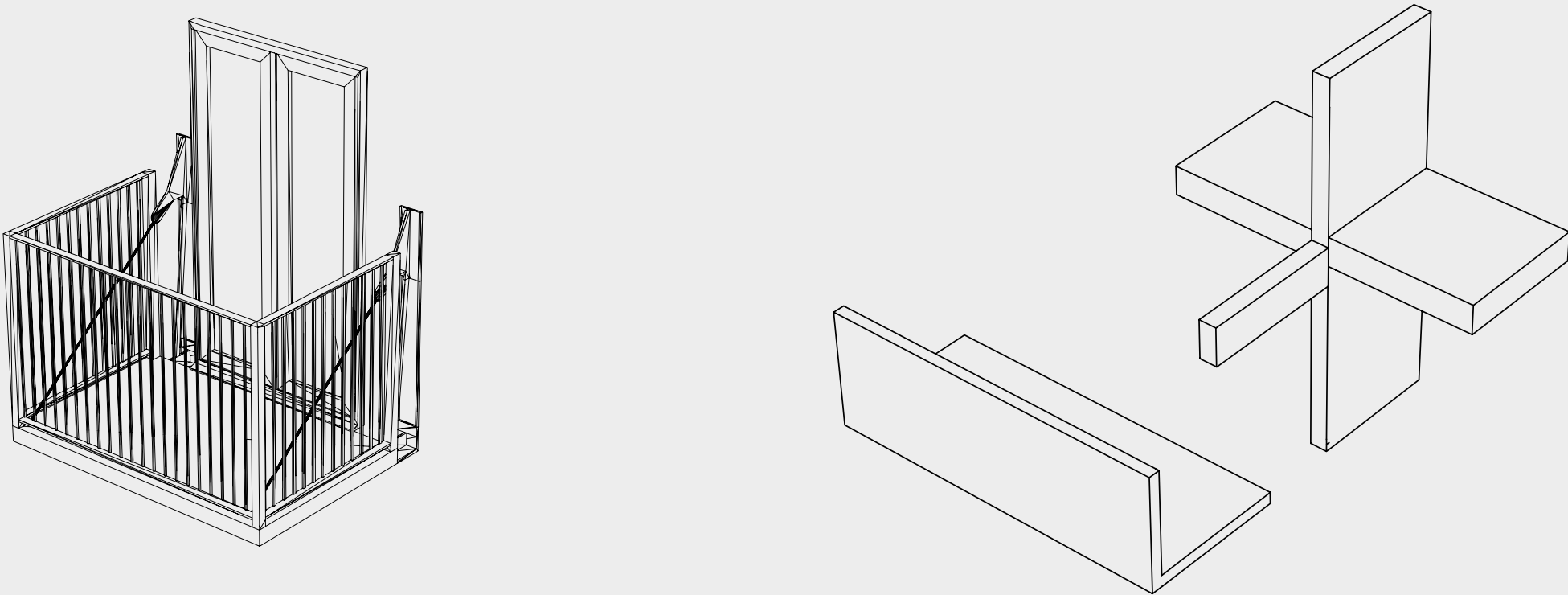
3D COHOUSING



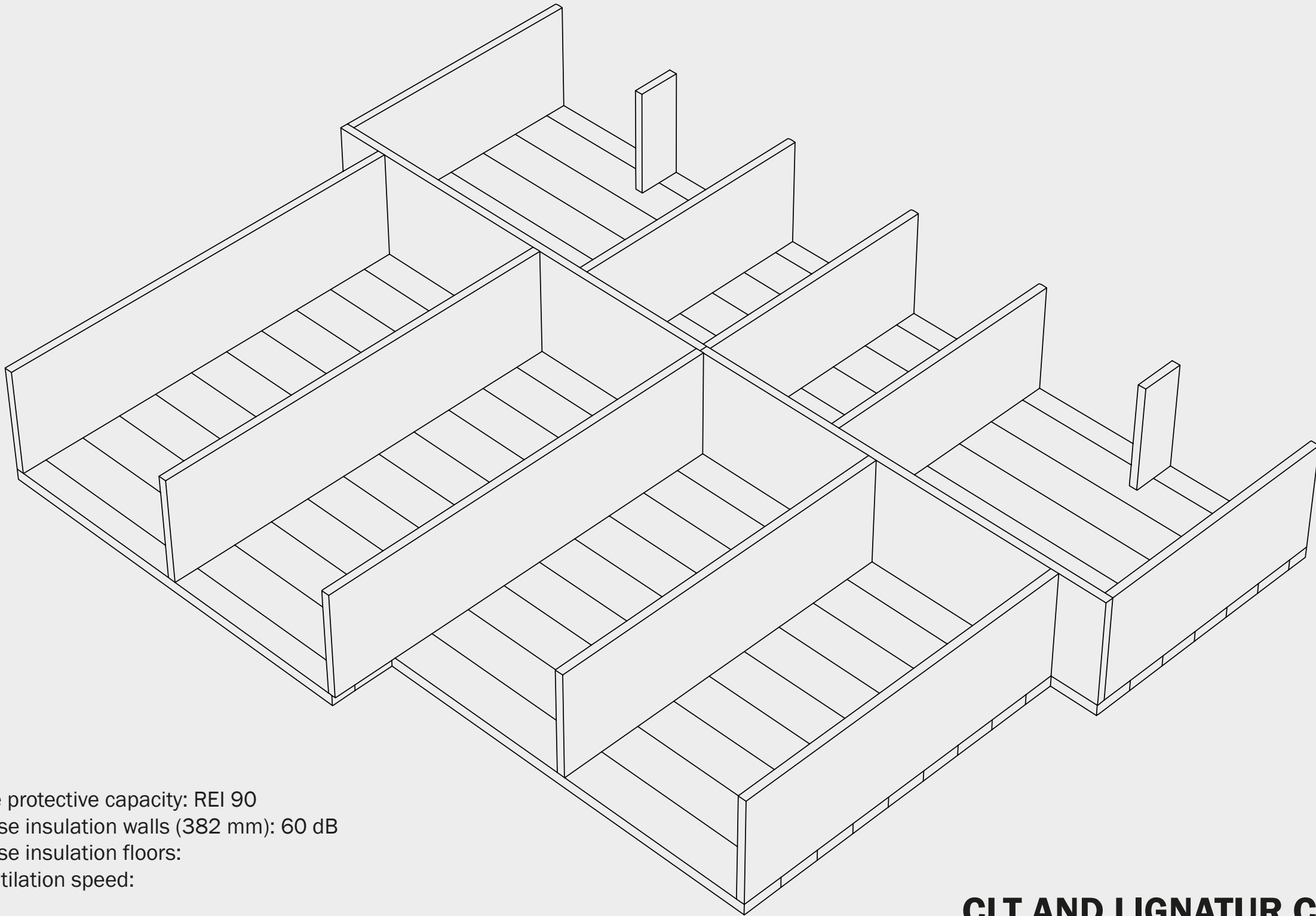
3D EVENT SPACE



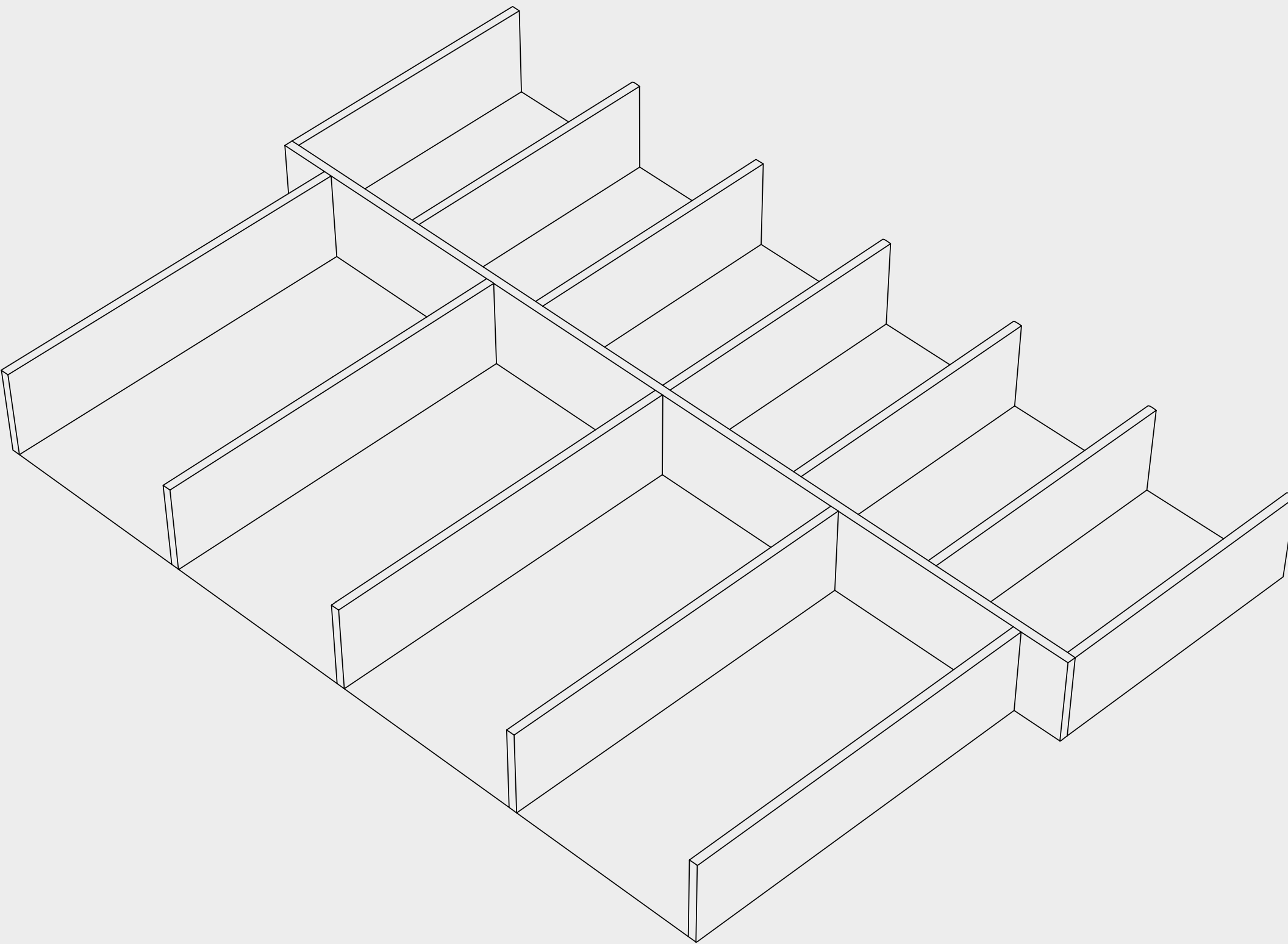
3D GREENHOUSE



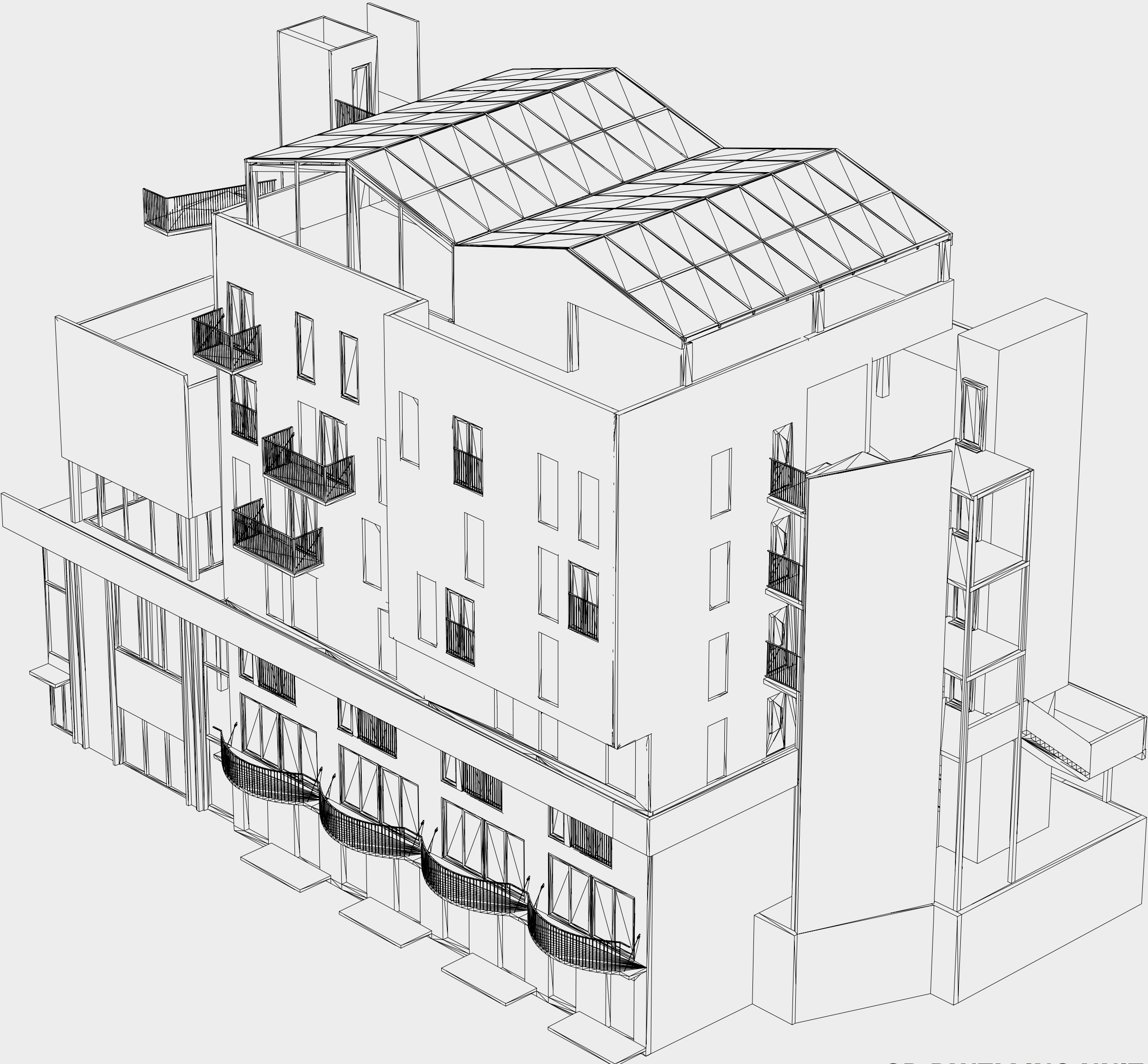
BALCONY AND GALLERY



CLT AND LIGNATUR COMBO



EXISTING STRUCTURE



3D DWELLING UNIT

ROOF	FOODPRODUCTION			LOAD	floor span	4,8	m
	Surface per living Unit				lignatur silence12	215	kg/m2
	Effective surface used				Variokomp	25	kg/m2
	min. surface needed pp 26%				Q	305,8	kg/m2
FACADE PERFORMANCE					total kg	545,8	kg/m2
					times span	2619,4	kg/m
					4 levels	102,8	kN/m
					walls CLT C24 (h = 3m, 200m)	240	kg/m
LICHT	U-waarde			0.16	W/(m2K)	960	kg/m
					total Newton/m2	9,4	kN/m
	CORNER DWELLING 3rd floor - CHECK FAIL				heaviest load	112,22	kN/m
					heaviest load UGB(1,2) in kN	134,66	kN/m
ROOM 1	total width			14,5	m2		
	height			820	mm		
	total surface window			1,2	m2		
	canopy			1840	mm		
FIRE SAFETY	obstruction			750	mm		
	distance			1500	mm		
	reductionangle b			64	graden		
	reductionangle a			20	graden		
ENERGY GENERATION	reduction factor			0,5			
	effective windowssurface			0,6	m2		
	min. required			1,45	m2		
ROOM 2	total width - side 1			40,6	m2		
	height			2070	mm		
	total surface window			1,465	m2		
	reduction factor			3,03	m2		
ROOF	effective windowssurface			0,5	m2		
	total width - side 2			820	mm		
	height			1465	mm		
	gezaamtelijke opp			1,17	m2		
ENERGYGENERATION	reduction factor			0,8	m2		
	effective windowssurface			0,94	m2		
	total			3,9676	m2		
	min. required			4,06	m2		
FACADE PERFORMANCE							
ROOM 2							