

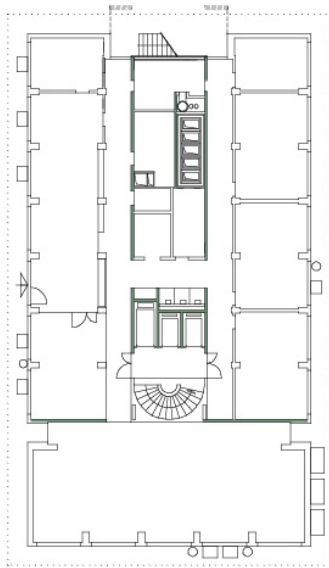
Type 11

Category: Wall elements

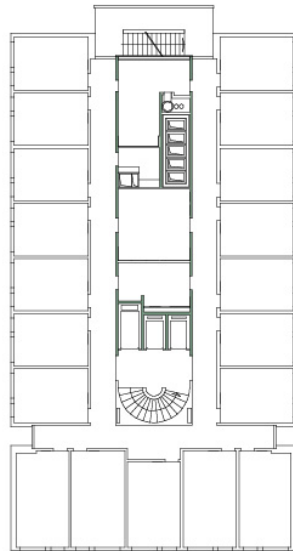
Cast-in-place interior walls

Location

Ground-floor



All other floors



Cast-in-place interior wall

Ground-floor



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Description			
Exposition	Inside, not exposed		
Color	Shade of grey or white painted		
Finishing	Horizontal wood plank patterns or crepis		
Actual location	All floors		
Initial function	Wall load-bearing element		
Accessibility	Difficult – three & more elements to dismantle before		
Anchor points	Not available		
Overlays	Type	Fixation	Thickness
From concrete	Mortar	-	10 mm
To surface	Wallpaper	Glued	-
Connexion type	Connected to cast-in-place slabs		
Deconstruction tool	Diamond saw or hydro-blasting		

Condition and durability	
Condition assessment	100% good
Carbonatation depth [mm]	Avg. 8 (max 20)
Toxic substance	None

Mechanical characteristics	
Density	2500 kg/m ³
Concrete compressive strength	69 N/mm ²
Concrete young modulus	41'500 N/mm ²
Reinforcement tensile strength	450 N/mm ²
Reinforcement young modulus	205'000 N/mm ²

Element	Geometry			Inventory				Environmental impacts	
Subtype	Dimensions (L x H x T) [mm]	Reinforcement [mm]	Cross-section resistance [kNm/m]	Quantity [m ²]	Weight [kg/ m ²]	Total volume [m ³]	Significance	Initial production [kgCO2-eq/ m ²]	Conventional demolition [kgCO2-eq/ m ²]
1 st to 14 th floor	L x 2460 x 150	Ø 8 S = 250	9,5	1560	375	234	3,4%	33	4
Ground floor	L x 2540 x 150	Ø 8 S = 250	9,5	360	375	54	0,8%	33	4

Additional information	
Additional note	> The only core tested for the cast-in-place interior walls showed an abnormally low result. The strength of the concrete was estimated to be equal to the one of the cast-in-place facade walls since they were probably cast at the same time.
Attention point	-