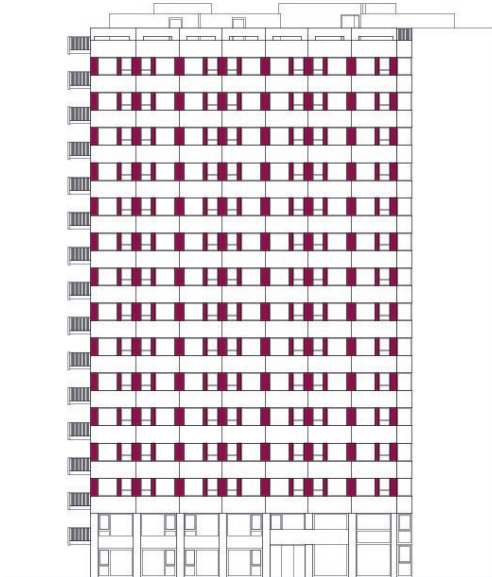


Type 04

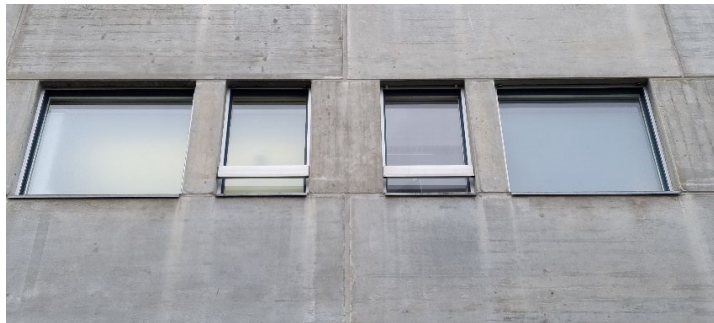
Category: Facade elements

Walls between windows

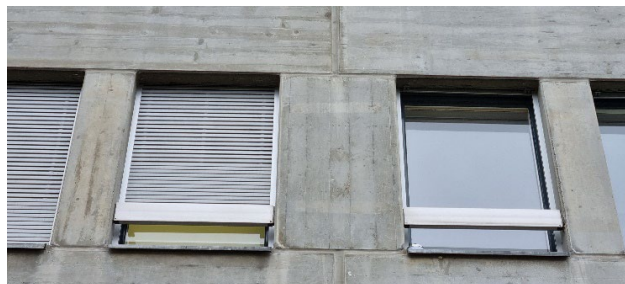
Location



Walls between windows



Color and finishing

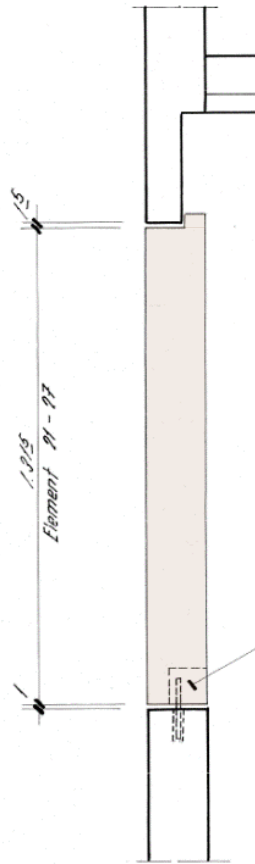
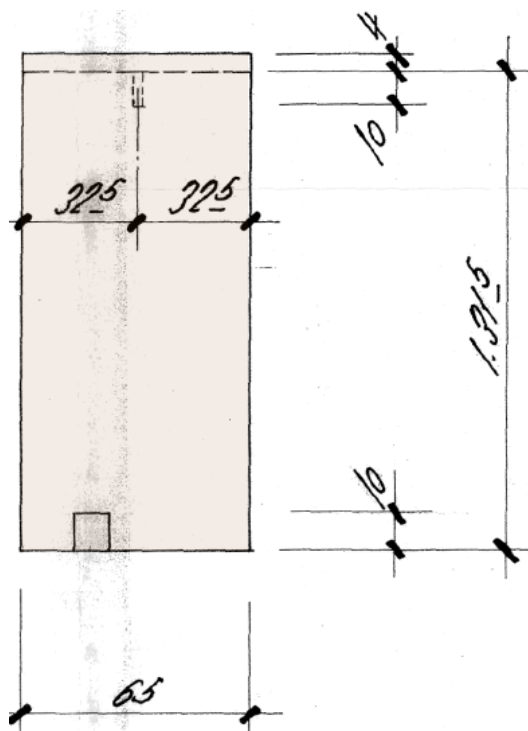


Type 04 Category: Facade elements
Walls between windows

Subtype n°25, dimensions

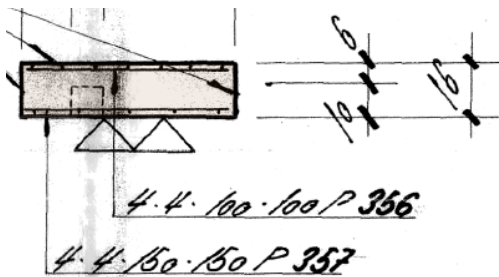
Connexion

1:20



Subtype n°25, cross-section

1:20



Type 04

Category: Facade elements

Walls between windows

Description				Condition and durability	
Exposition	Outdoor, exposed to rain and water flow			Condition assessment	79 % good
Color	Grey with a yellowish tint, closest RAL 7044				20 % acceptable
Finishing	Horizontal wood plank patterns				1 % deviant
Actual location	E, W and S facades			Carbonatation depth [mm]	Avg. 2-16 (max 19)
Initial function	Facade self-supporting element			Toxic substance	PCB in joints
Accessibility	Moderate – One/two elements to dismantle before			Mechanical characteristics	
Anchor points	Not available			Density	2500 kg/m ³
Overlays	Type	Fixation	Thickness	Concrete compressive strength	41 N/mm ²
From concrete	Sagex	n.a	20 mm	Concrete young modulus	38'600 N/mm ²
To surface	Pressed wood	n.a	20 mm	Reinforcement tensile strength	450 N/mm ²
Connexion type	Connected to other facade elements			Reinforcement young modulus	205'000 N/mm ²
Deconstruction tool	Diam. Saw and cut joint sealants				

Element	Geometry			Inventory					Environmental impacts	
	Dimensions (W x L x T) [mm]	Reinforcement [mm]	Cross-section resistance [kNm]	Quantity [u]	Weight [kg/u]	Total area [m ²]	Total volume [m ³]	Significance	Initial production [kgCO ₂ -eq/u]	Conventional demolition [kgCO ₂ -eq/u]
26	280 x 1315 x 160	Ø 4 S = 100	1,8	741	147,3	272,8	43,7	0,6%	13	1
21 to 24	550 x 1315 x 160	Ø 4 S = 100/150	3,5–2,3	234	289,3	169,2	27,1	0,4%	26	3
27	650 x 1315 x 160	Ø 4 S = 100-150	4,1-2,8	468	341,9	400,0	64,0	0,9%	30	3
25	690 x 1315 x 160	Ø 4 S = 100-150	4,4-2,9	156	362,9	141,5	22,6	0,3%	32	4

Additional information

Additional note	<ul style="list-style-type: none"> > The carbonatation depth is lower than the 20-mm concrete cover of the rebars. > The depth of carbonatation is less important for the elements of the southern facade.
Attention point	<ul style="list-style-type: none"> > The waterproofing joints sealant placed between the facade elements probably contain polychlorinated biphenyls (PCB). These joints must be completely removed by a specialized company. The removal can be done with a cutter, while avoiding heating the joints or producing dust. > Contamination with PCBs of the concrete neighboring the joints should be checked by further sampling. Most probably, it will be necessary to remove 1cm of the edge that was in contact with the joint.