ICONICALLY DIFFERENT – Happy 54th Anniversary Jansen VISS!

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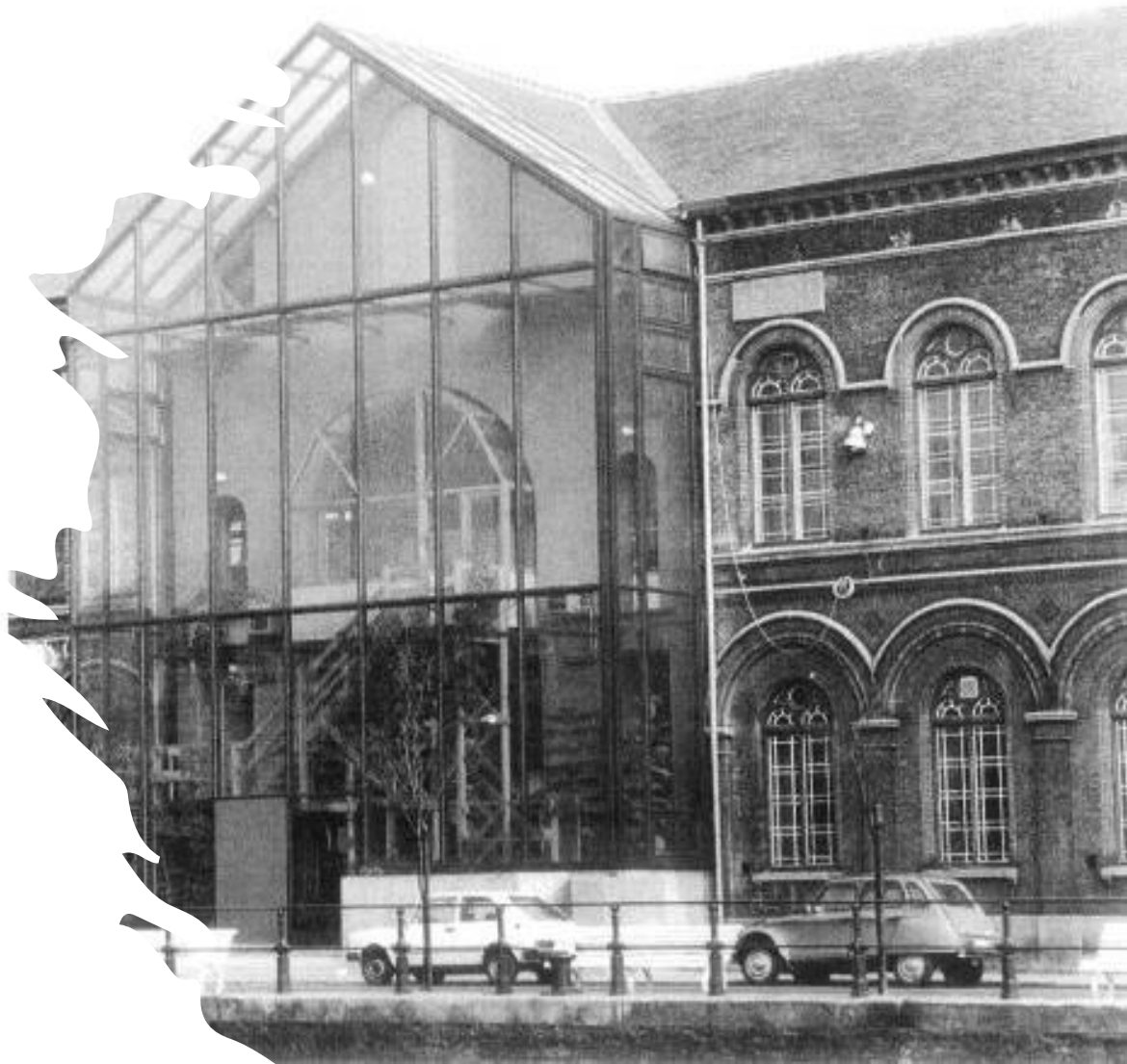
Senior Marketing Manager global Architects at Jansen AG – June 2023

JANSEN

How sustainable “R” we?

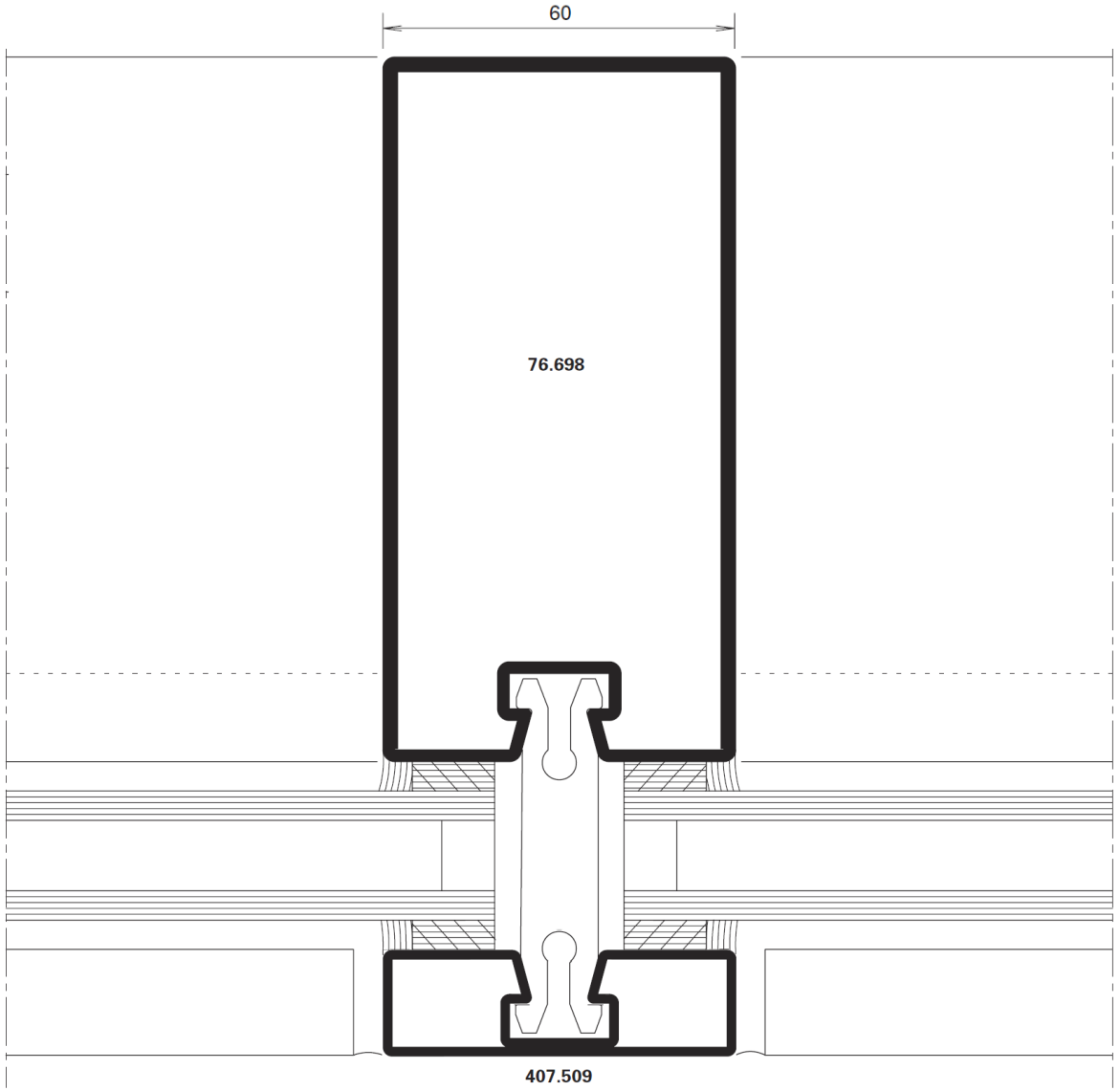
Circular economy		Strategies	
Increasing circularity	Smarter product use and manu-facture	R0 Refuse	Make product redundant by abandoning its function or by offering the same function with a radically different product
		R1 Rethink	Make product use more intensive (e.g. by sharing product)
		R2 Reduce	Increase efficiency in product manufacture or use by consu-ming fewer natural resources and materials
	Extend lifespan of product and its parts	R3 Reuse	Reuse by another consumer of discarded product which is still in good condition and fulfils its original function
		R4 Repair	Repair and maintenance of defective product so it can be used with its original function
		R5 Refurbish	Restore an old product and bring it up to date
		R6 Remanufacture	Use parts of discarded product in a new product with the same function
		R7 Repurpose	Use discarded product or its parts in a new product with a different function
	Useful application of mate-rials	R8 Recycle	Process materials to obtain the same (high grade) or lower (low grade) quality
		R9 Recover	Incineration of material with energy recovery
Linear economy			



The information in this document is not part of the daily Jansen business. It contains a collection of findings and outcomes of different collaborations with project teams and research institutes. Its function here is to inform how principles of a circular economy in The Netherlands and Belgium are applied in recent studies and projects. For more information, please contact ***ron.jacobs@jansen.com****.*

This profile is 54 – The History of Jansen VISS

Maybe the most sustainable façade system in the World



Jansen VISS NV 1977

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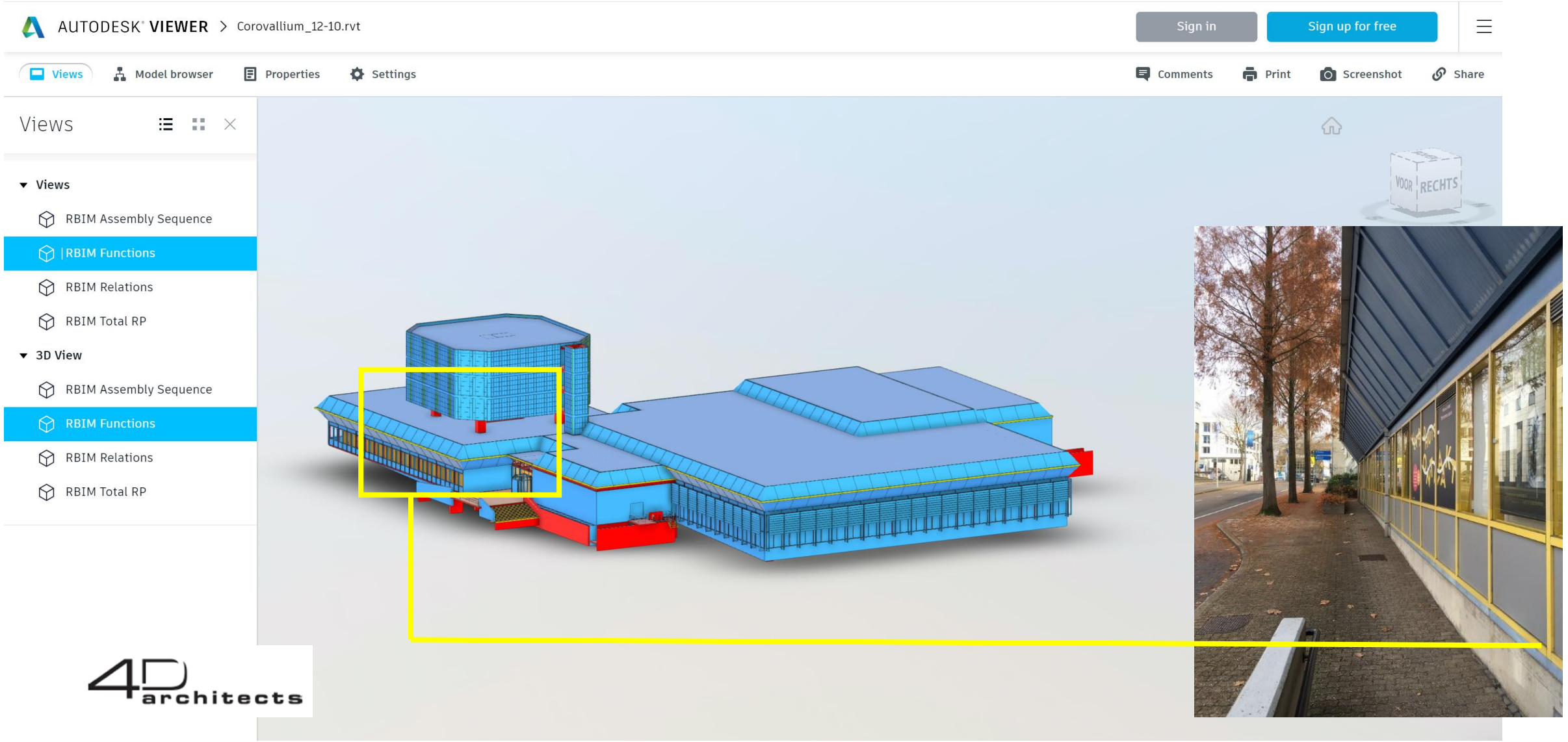
R3 – Reuse _ Digital tools that will make our lives easier in future

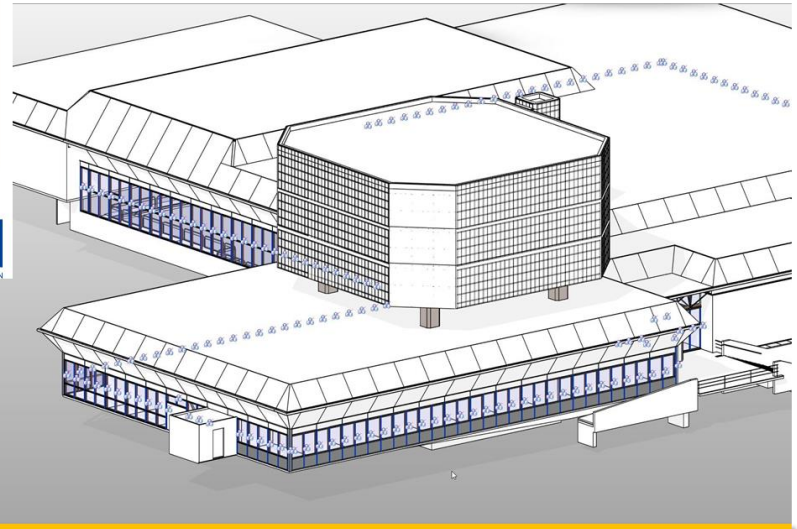


Reverse BIM tool developed by the Digital Deconstruction" consortium https://youtu.be/VpXUY7qGiQk

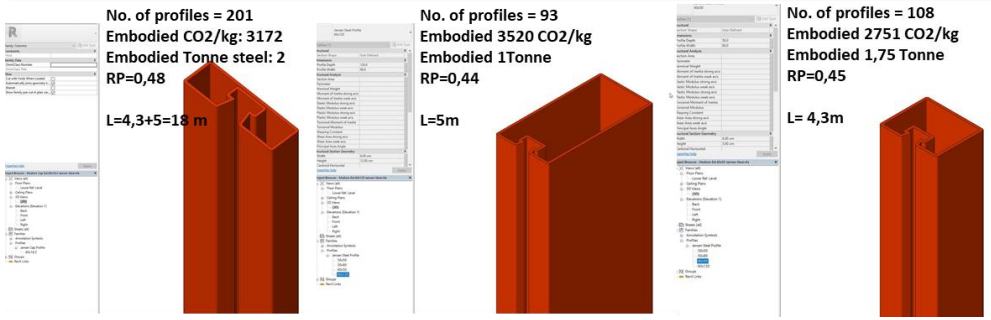
R3 – Reuse _ Digital tools that will make our lives easier in future

Reversible BIM

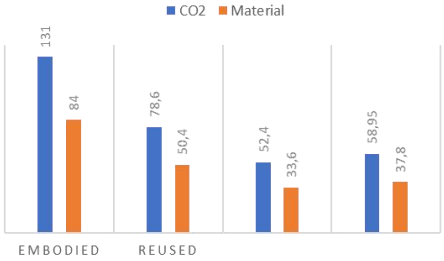
Reuse Potential Tool

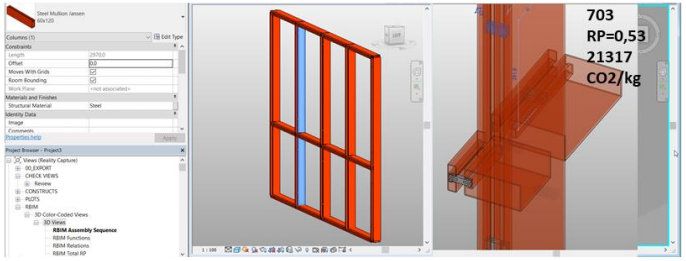


Digital library: BIM objects of reusable elements



Total No. of Profiles:	**=1105**
Total Length:	4898m
Embodied:	**3.076.000 CO2/kg**
Embodied:	18,55 Tonne steel
Average RP	**= 0,5**
Potential avoided	**1.549.500 CO2/kg**
Potentially reused:	**10 tonne of steel**
Reuse option:	Reuse by remanufacturing)
Embodied value:	40% to 60%





The consortium of the Digital Deconstruction project asked us if we knew about the old steel profiles that were used in 1977 for the museum of the Gallo Roman Bath House. We were able to establish and confirm that in fact Jansen VISS was used for the museum.

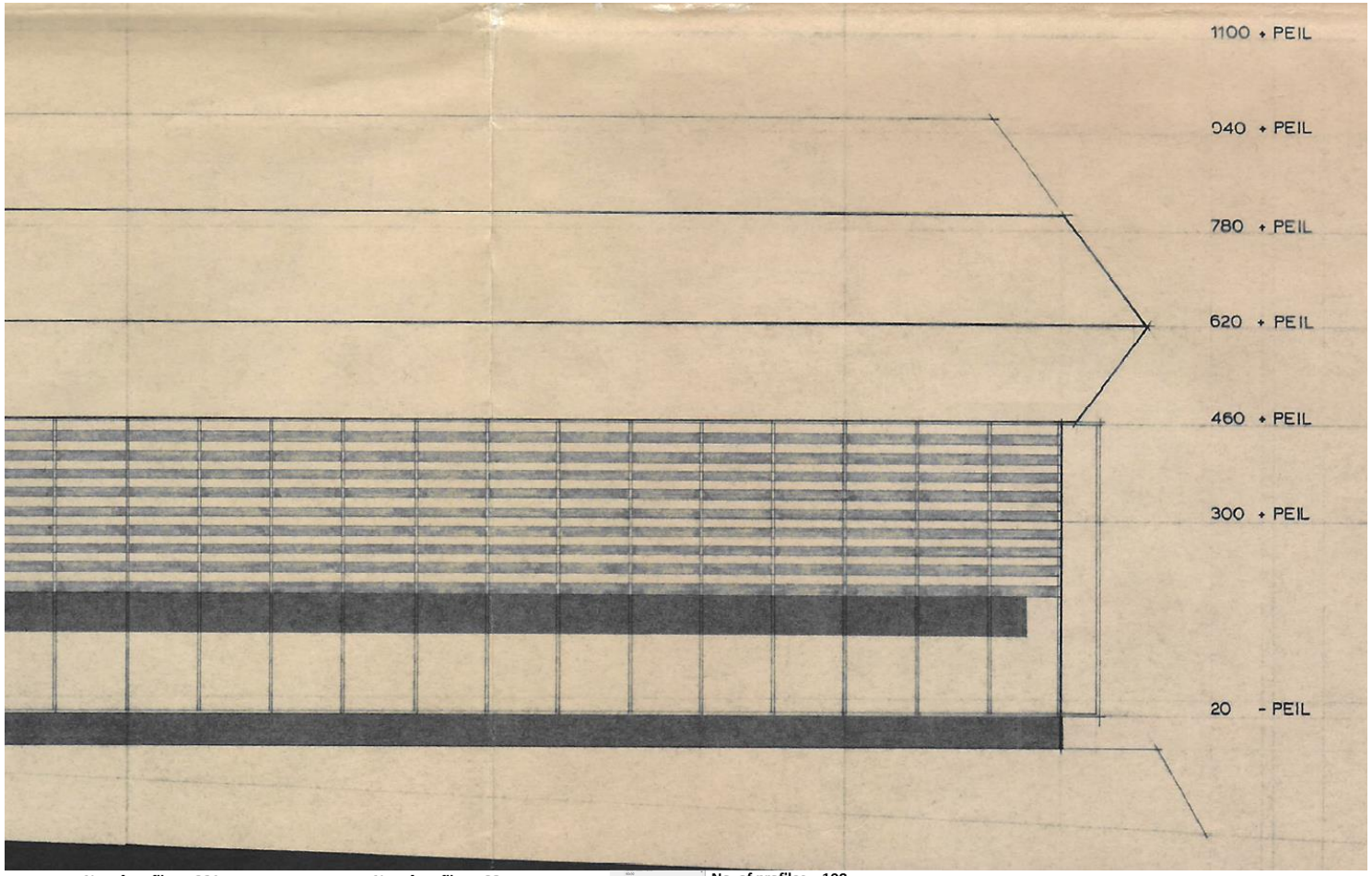
Now the museum will be renovated, and the consortium researches the possibilities of making a digital twin of this site by using various new techniques. All data will be provided in a “reverse BIM file” that will be offered to architects who wish to reuse the components, such as our steel VISS façades.

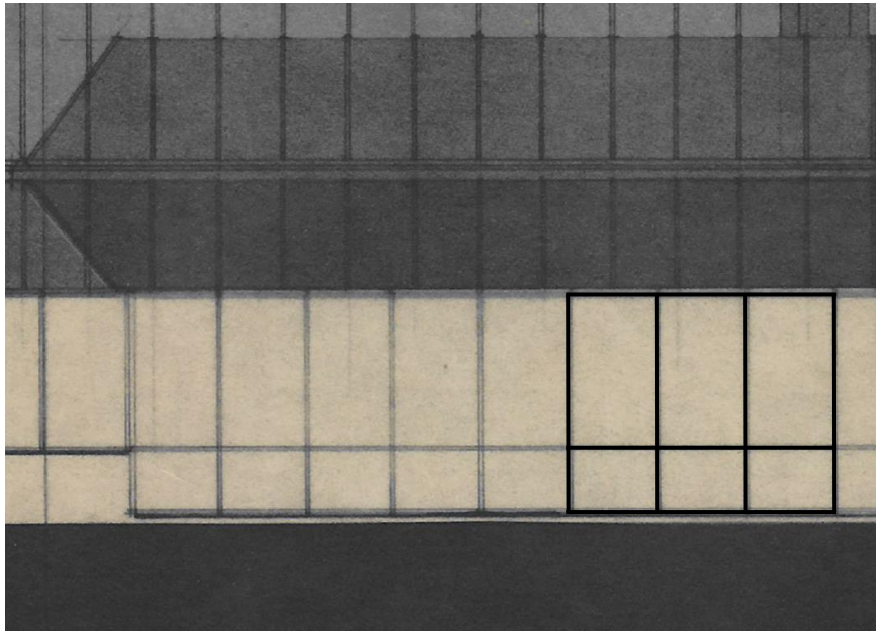
There are also new features being developed in this project. The reuse potential of the components and the transformation potential of the whole building will be validated. This will enable building owners and potential new owners to receive a validation of these factors and will get a better view of the residual value of the building (materials).

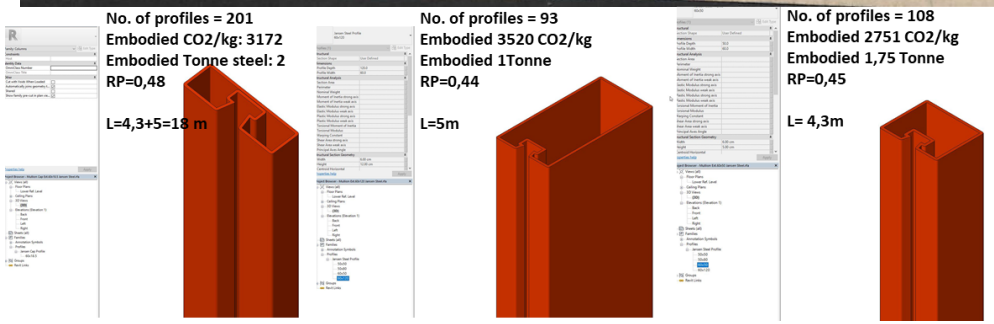
https://youtu.be/VpXUY7qGiQk

Reverse BIM tool developed by the Digital Deconstruction” consortium

R3 – Going from building (owner) A to building (owner) B







No. of profiles = 201
Embodied CO2/kg: 3172
Embodied Tonne steel: 2
RP=0,48

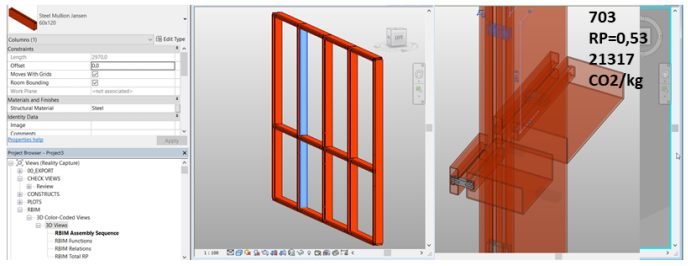
L=4,3+5=18 m

No. of profiles = 93
Embodied 3520 CO2/kg
Embodied 1Tonne
RP=0,44

L=5m

No. of profiles = 108
Embodied 2751 CO2/kg
Embodied 1,75 Tonne
RP=0,45

L= 4,3m



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