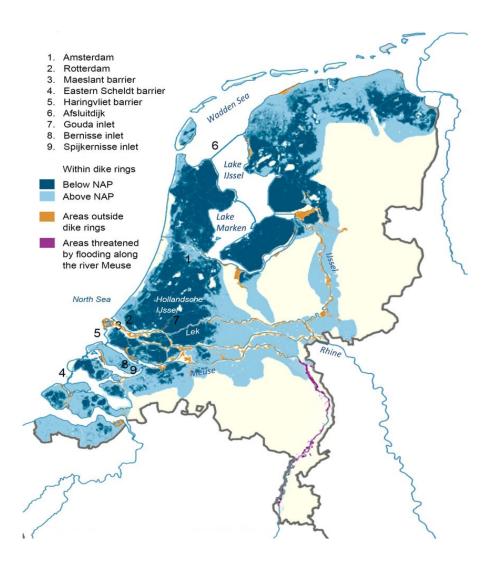
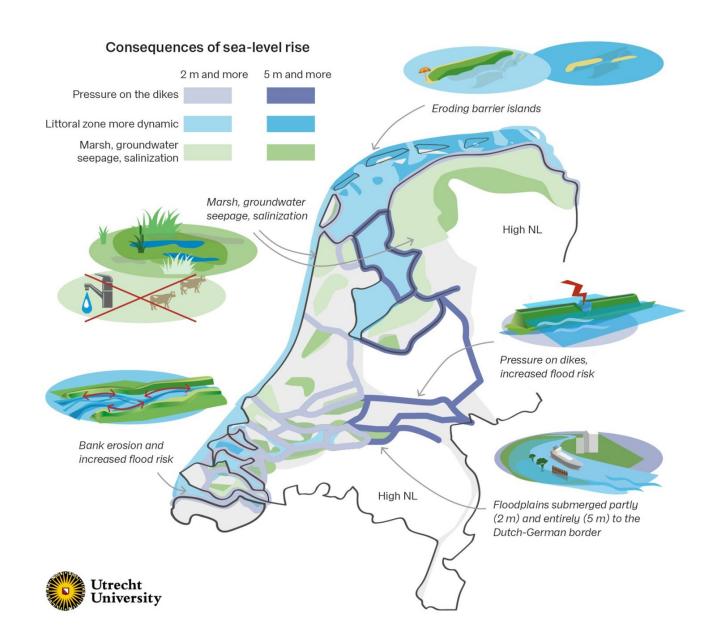
From a Dike House to Dike Architecture

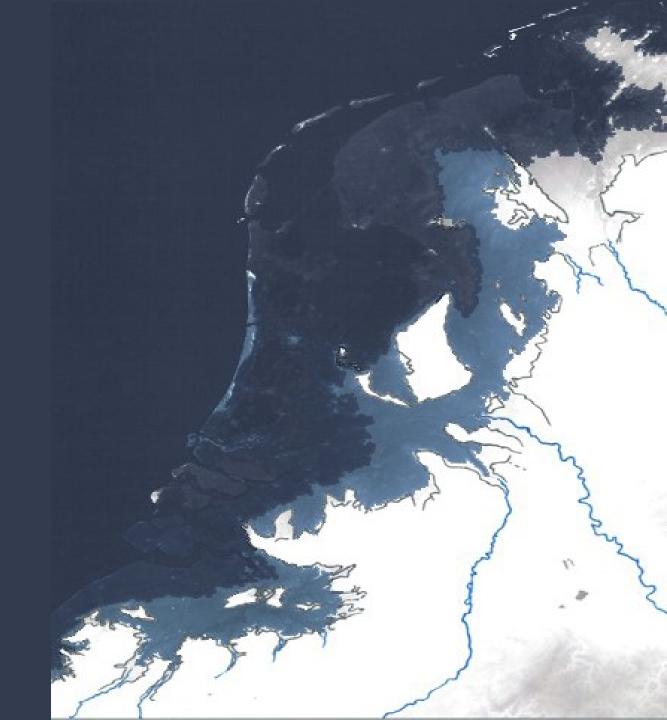
The Netherlands & its Future







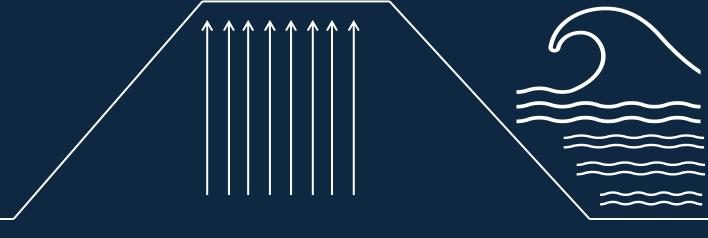
Will this be the future of the Netherlands?



Or

And even we live behind the dikes, will we still feel safe on such a low landcape?



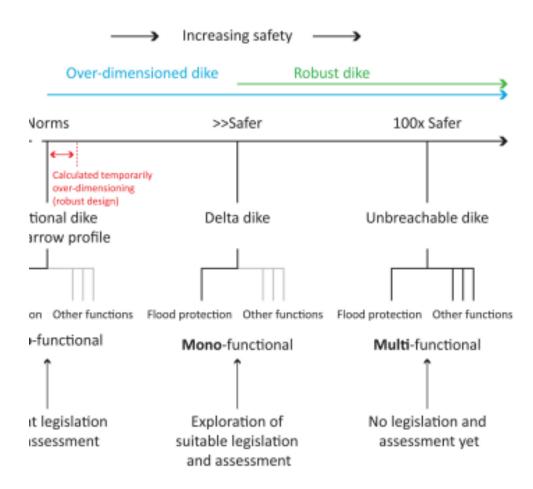


Will we build higher dikes? And can they still protect us?

Why not living on the edge between water and land?



IS THAT EVEN POSSIBLE???



'isualization of the relation between the various dike conthe Netherlands; these concepts are described in Table 1.

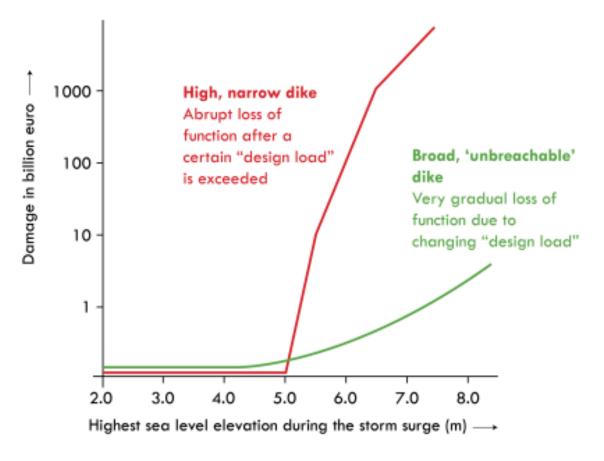
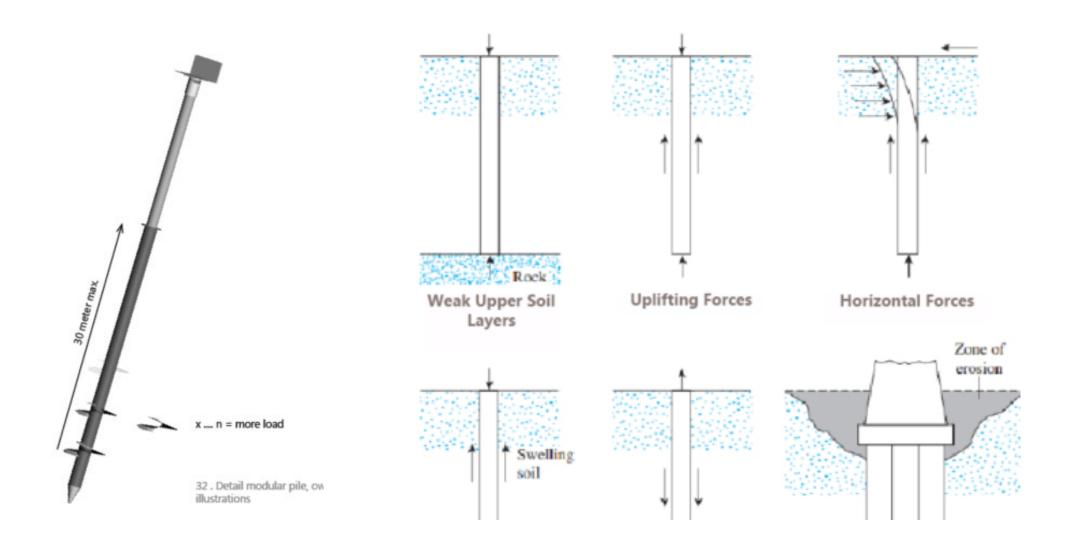


Fig. 2. Damage functions of narrow and broad dikes (Vellinga, 2008).

Research Question

In the context of an elevated sea dike, what foundation types and structural systems demonstrate the highest suitability for buildings on the dike?



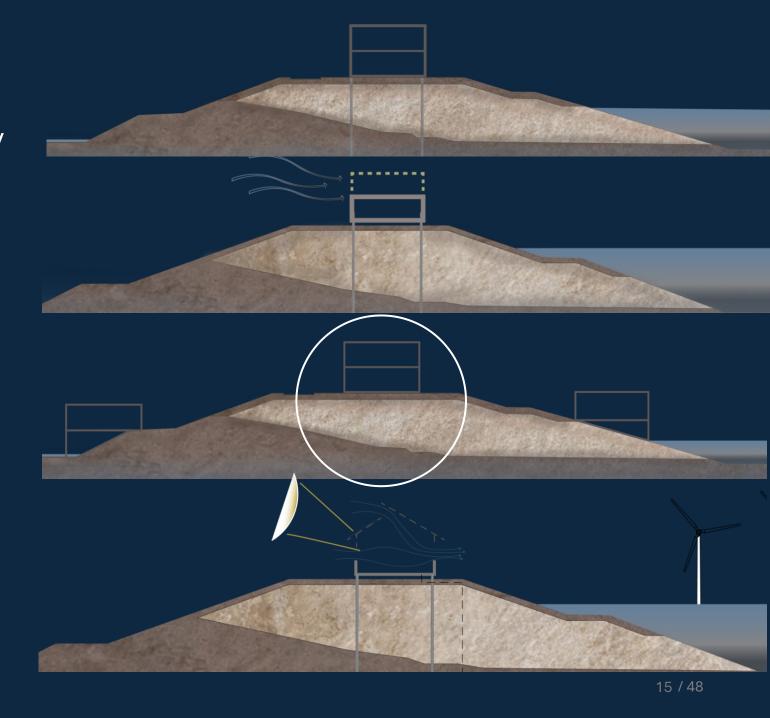
Principles

Steel foundation below dike body

Waterproof structure on the ground floor

Building on the horizontal platform

Off-grid climate system



Location



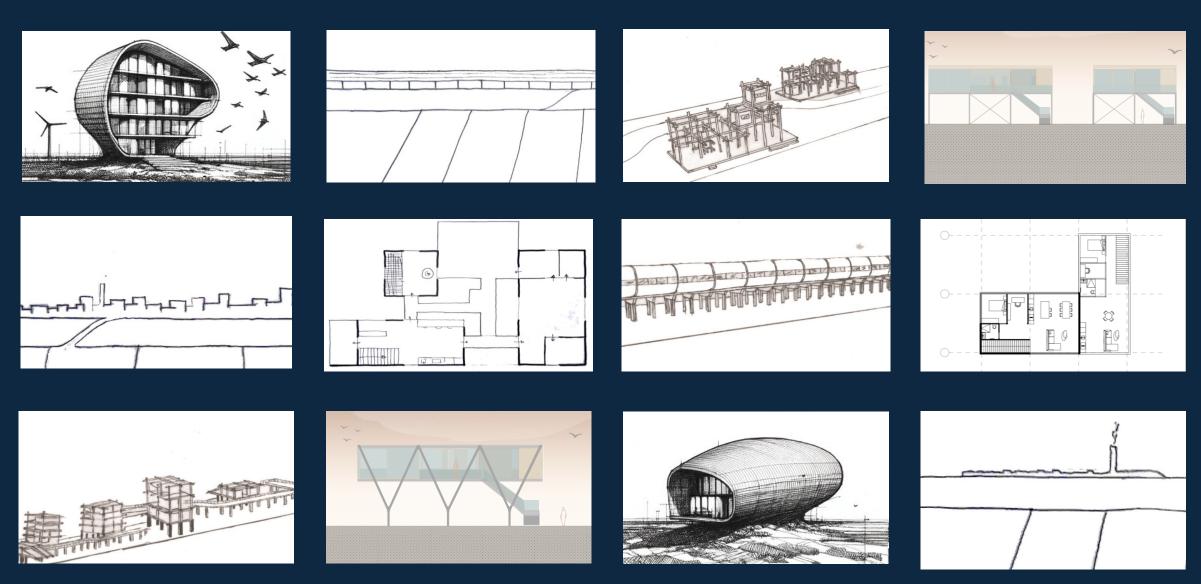








Which architectural language suits buildings on the dike?



Research by design

What are the architectural principles?

UNITY





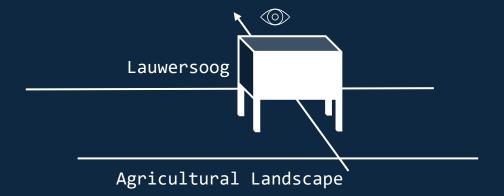




SCALE



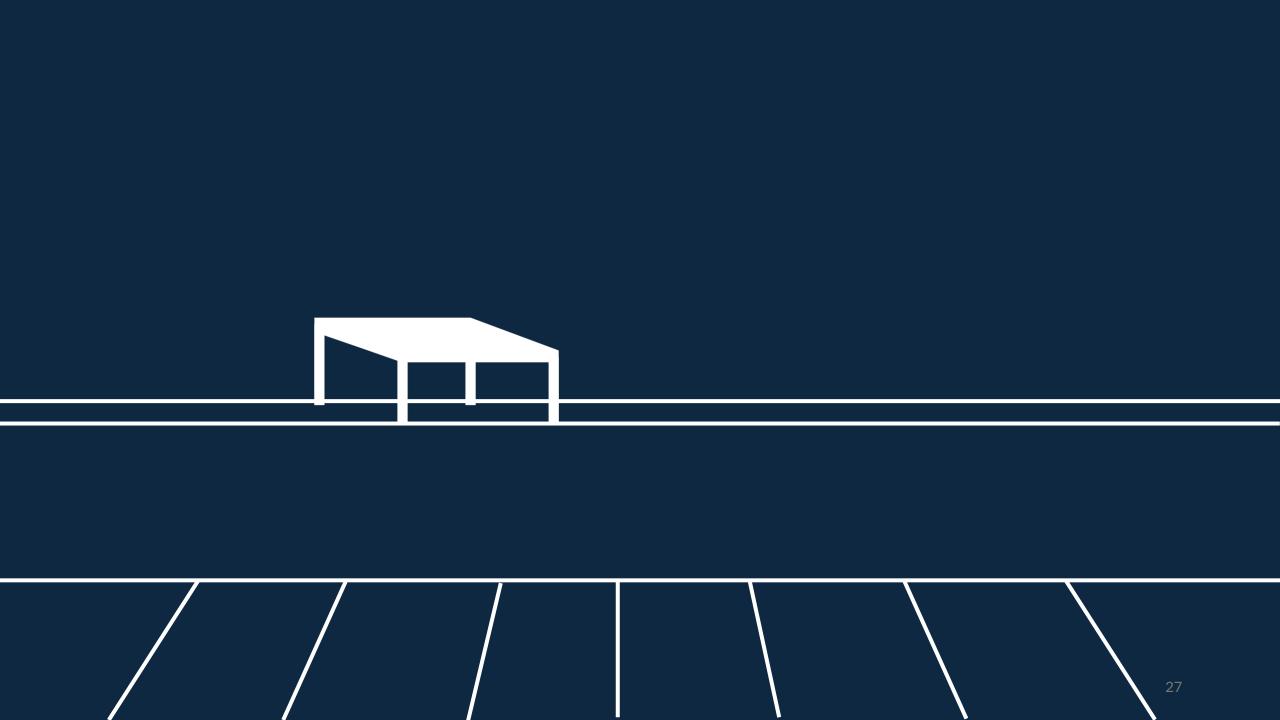
CONTEXT



RESILIENCE

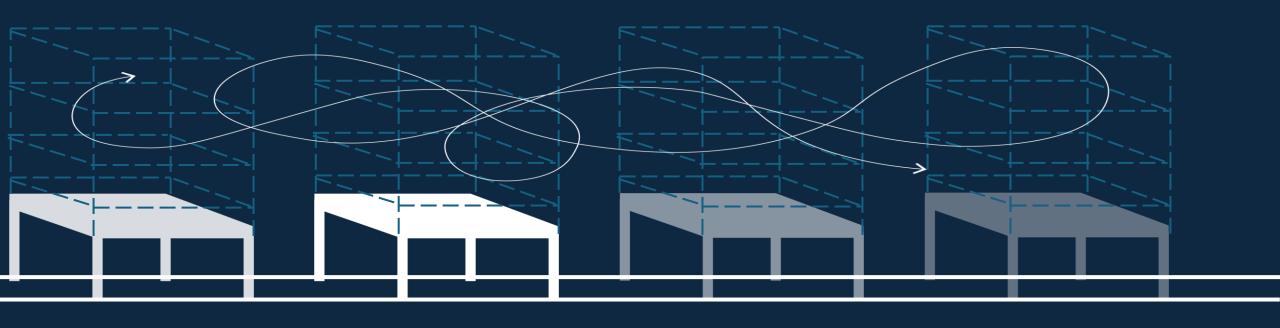


What is the concept on a big scale?

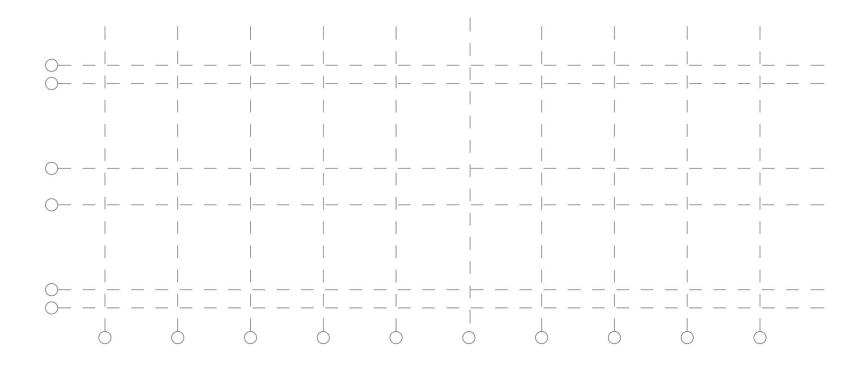


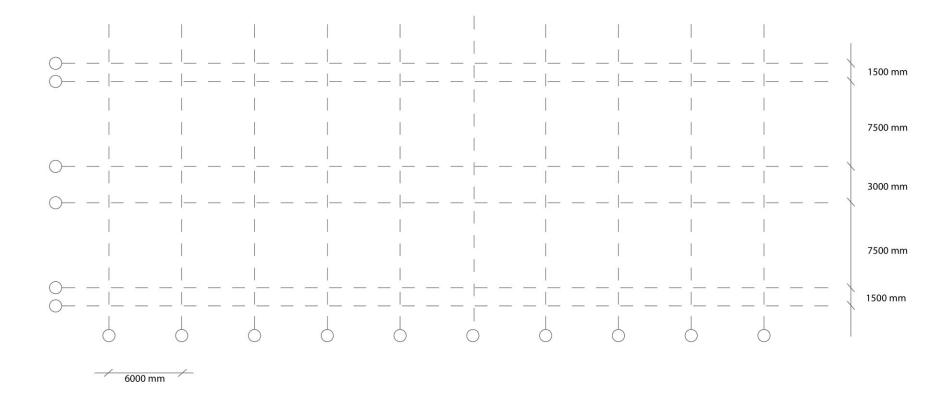


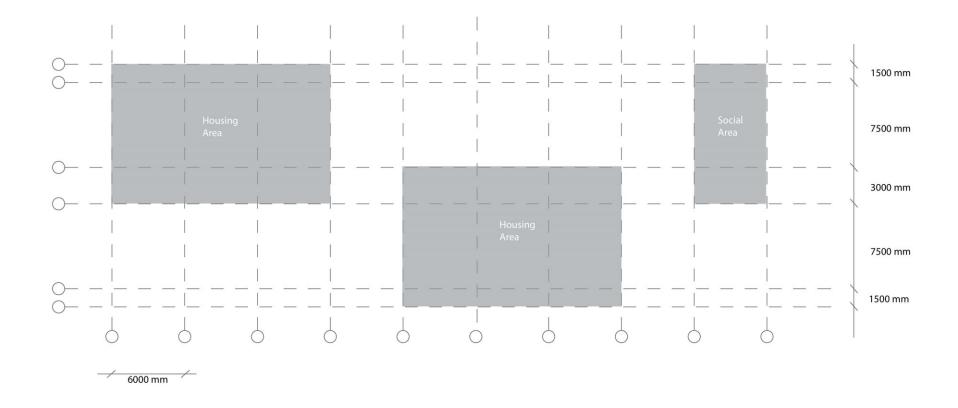


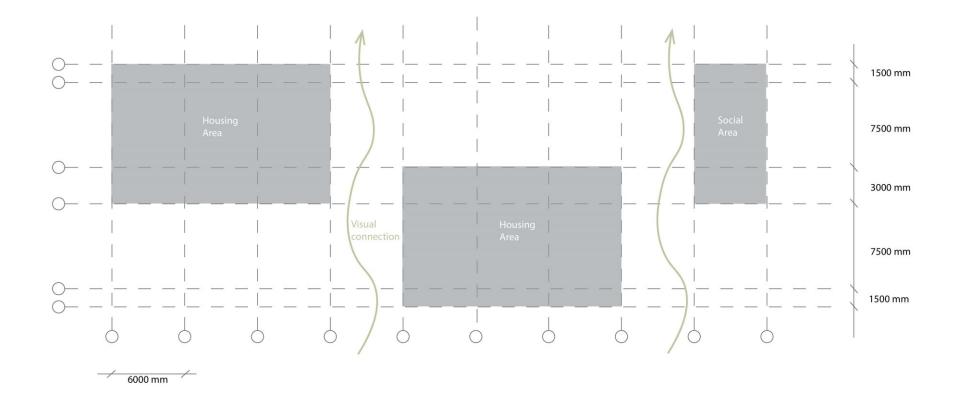


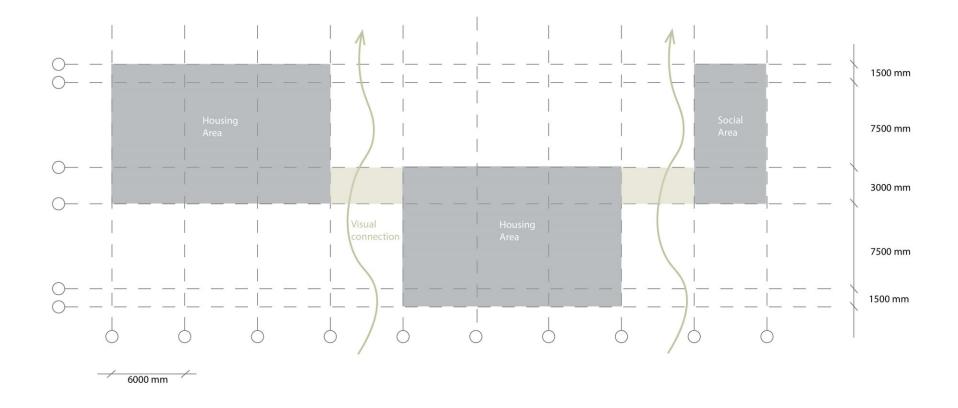
Grid that can grow

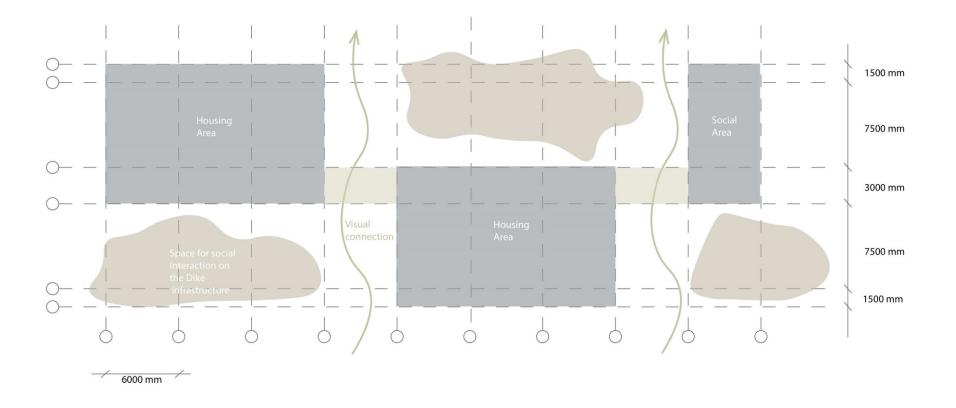


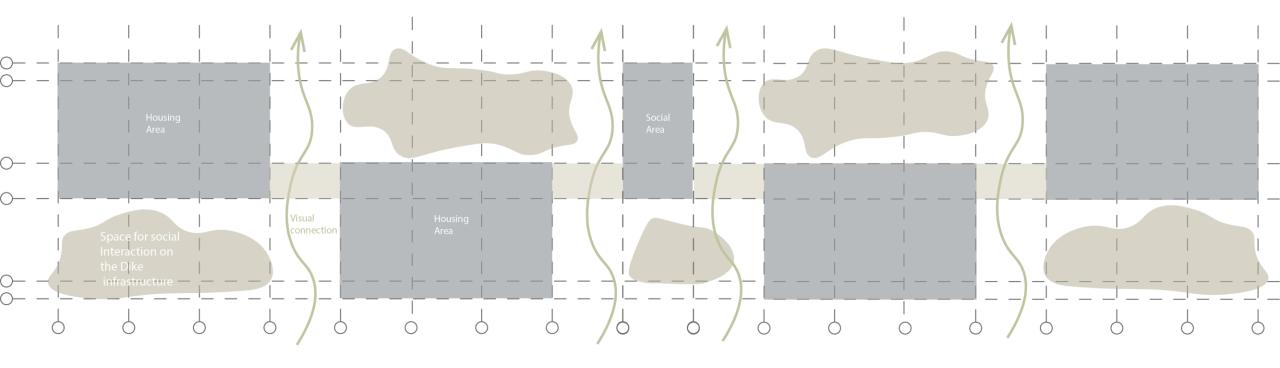




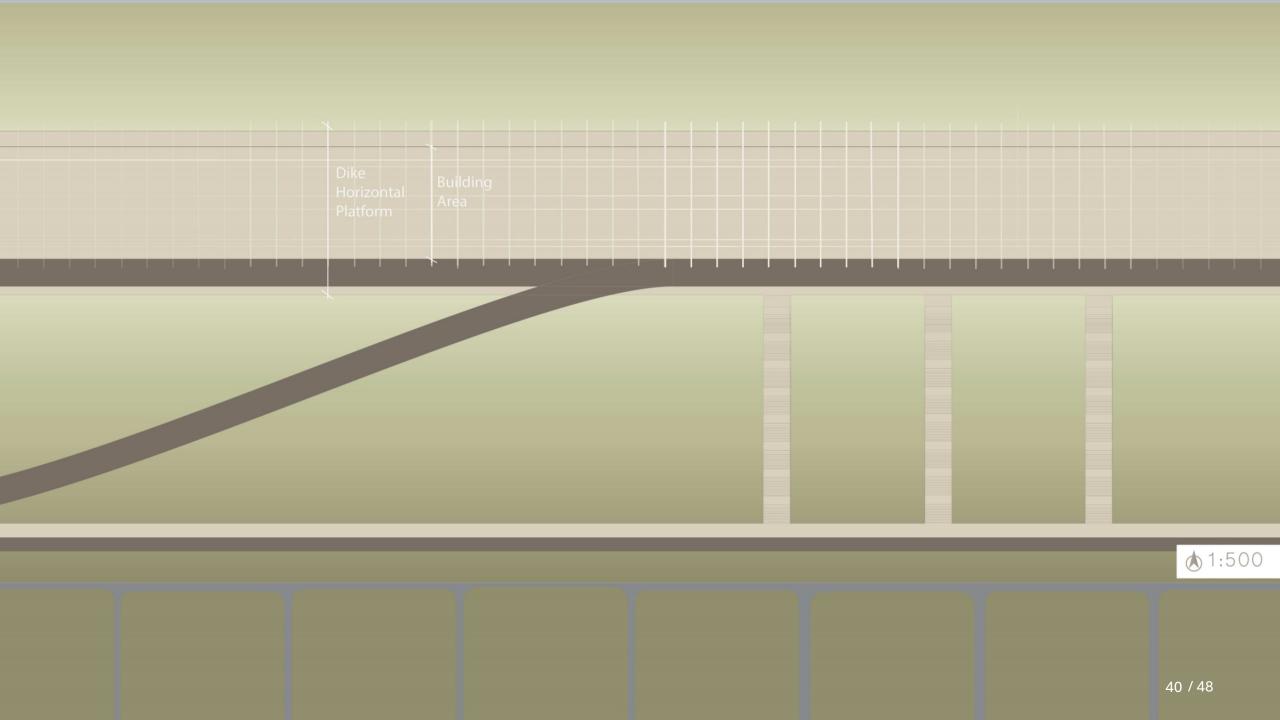


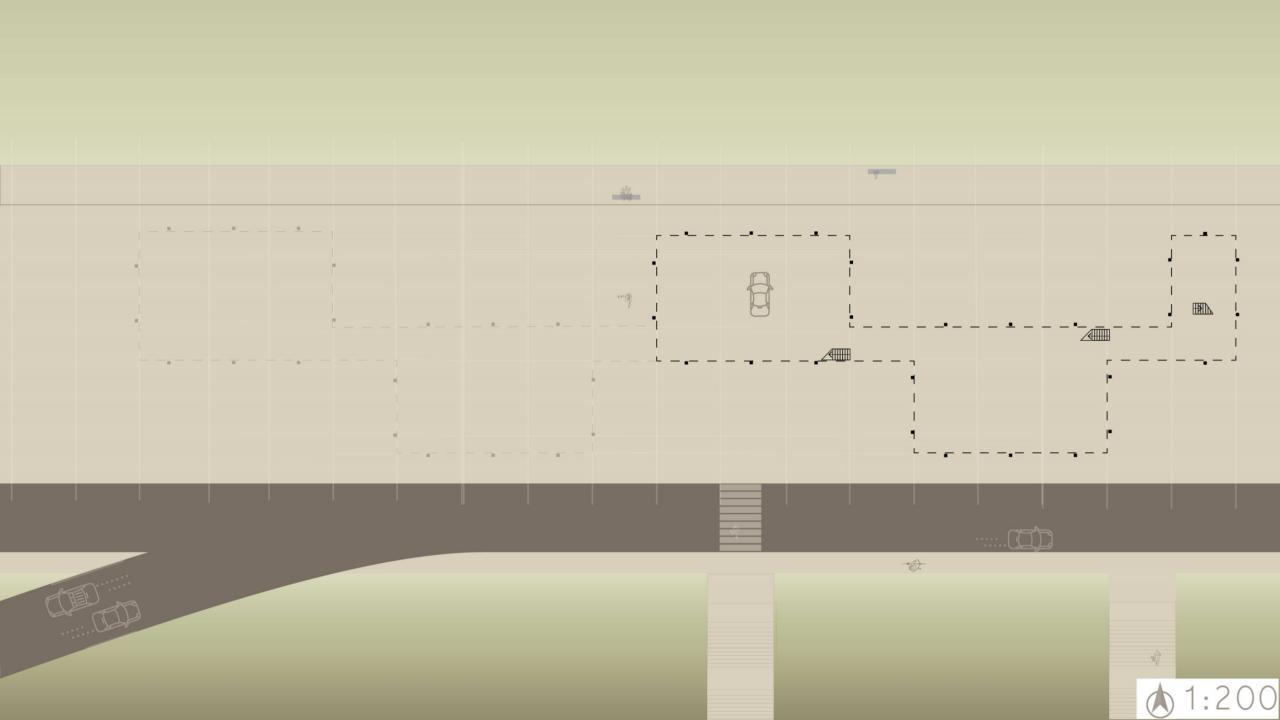


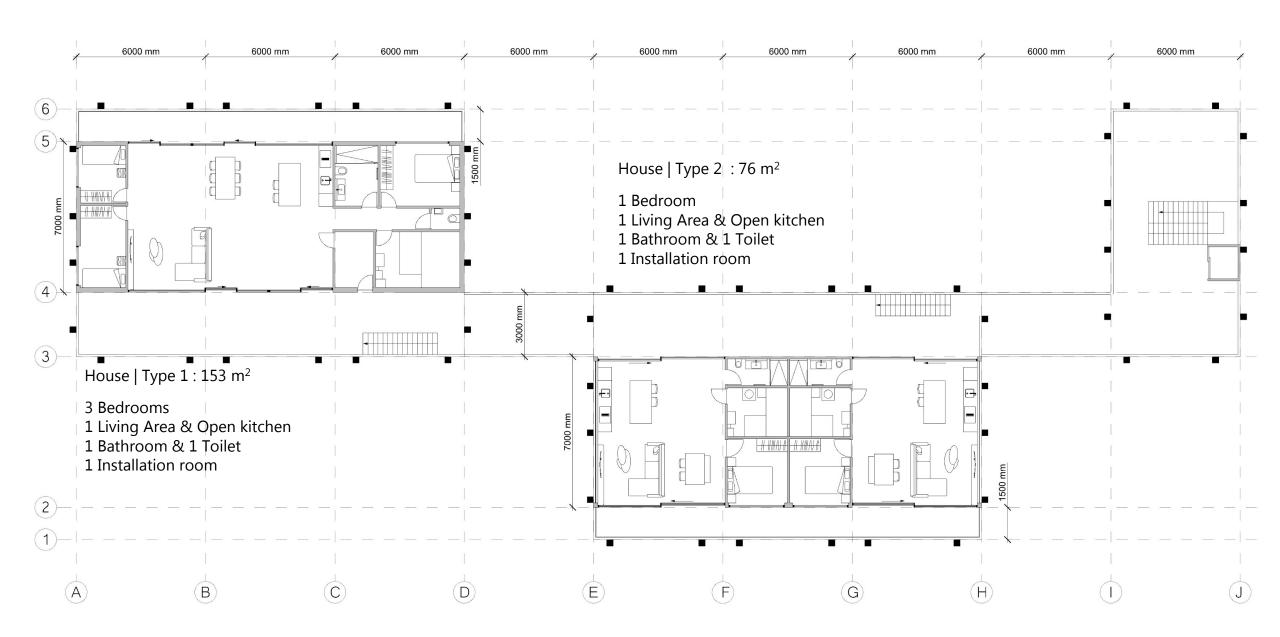




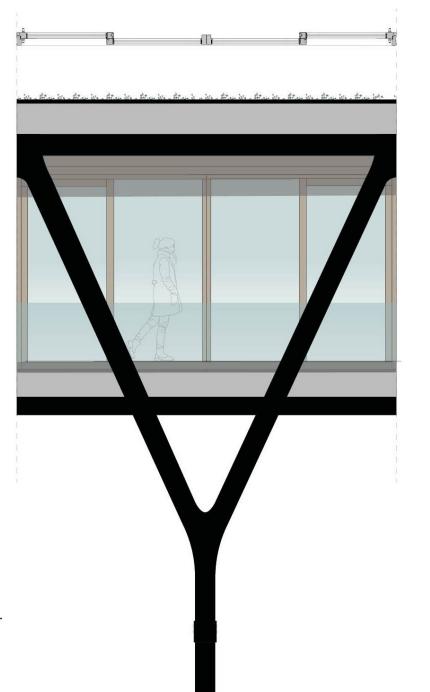
Design



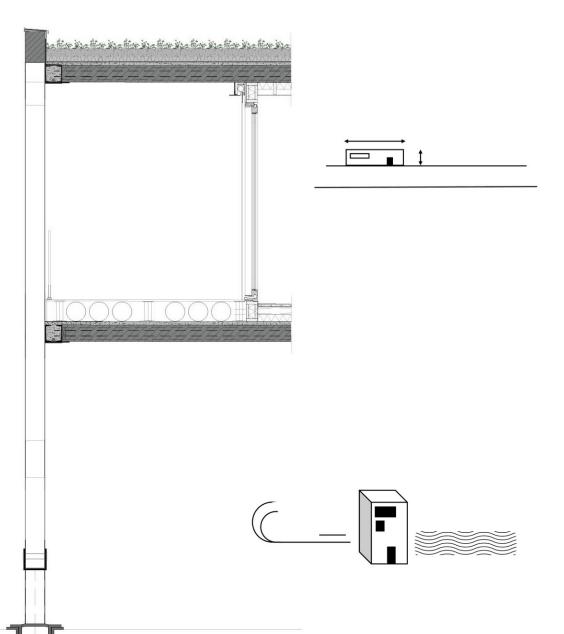


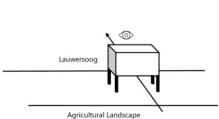




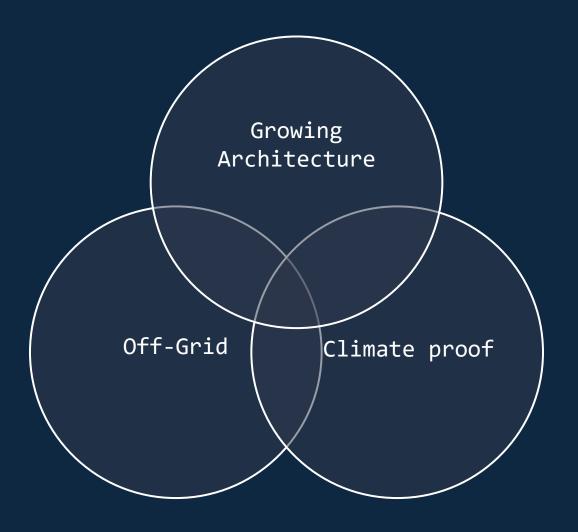


1: 20 | Facade fragment



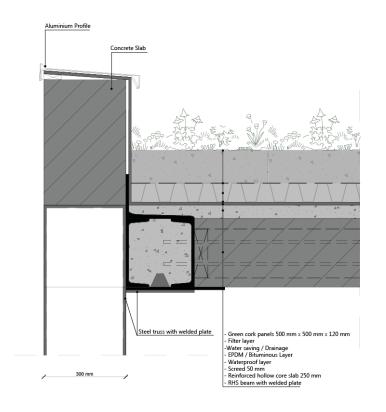


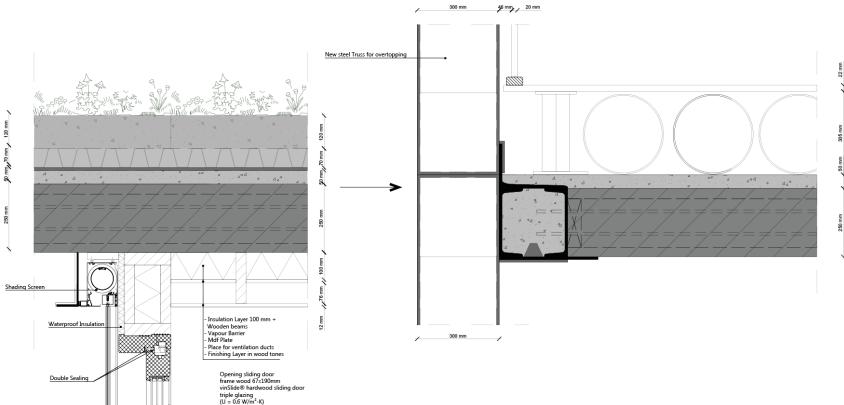
3 main qualities of the design

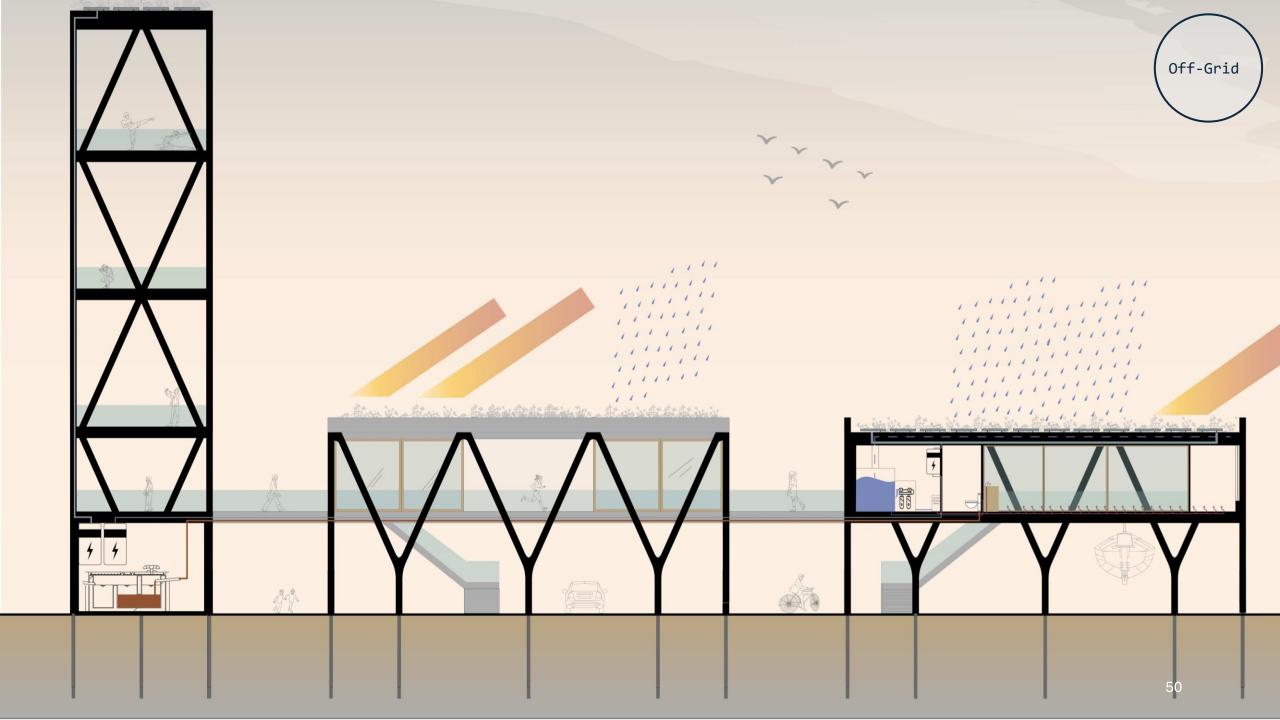




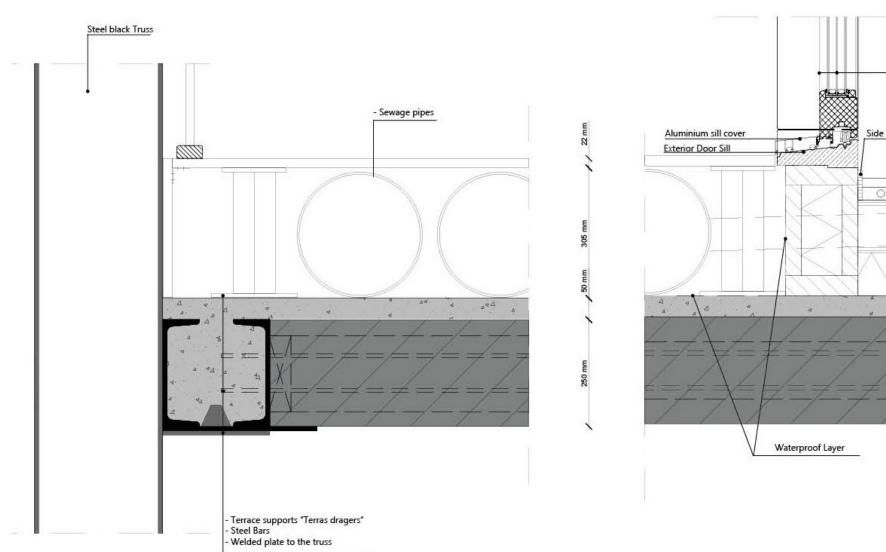


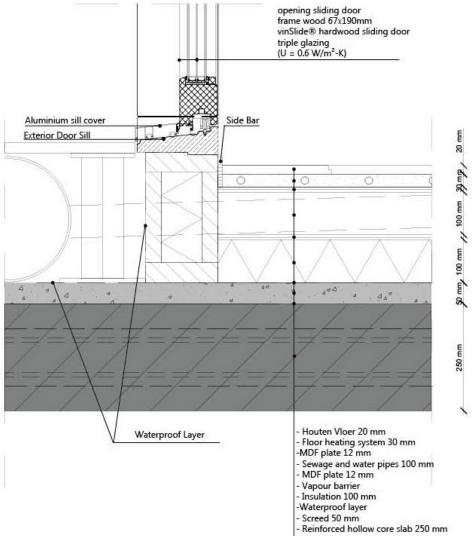




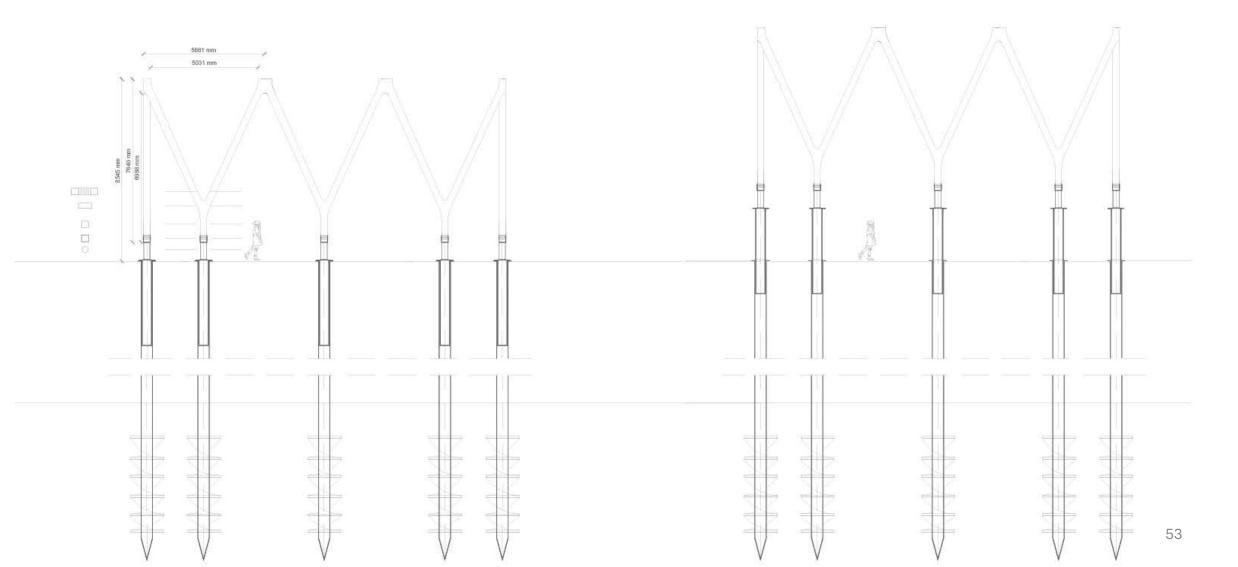




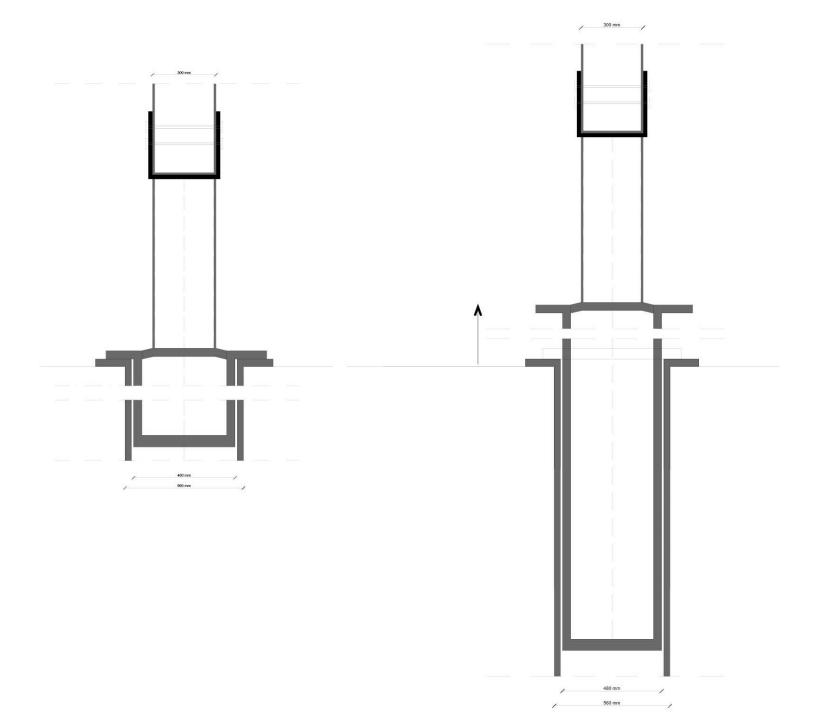


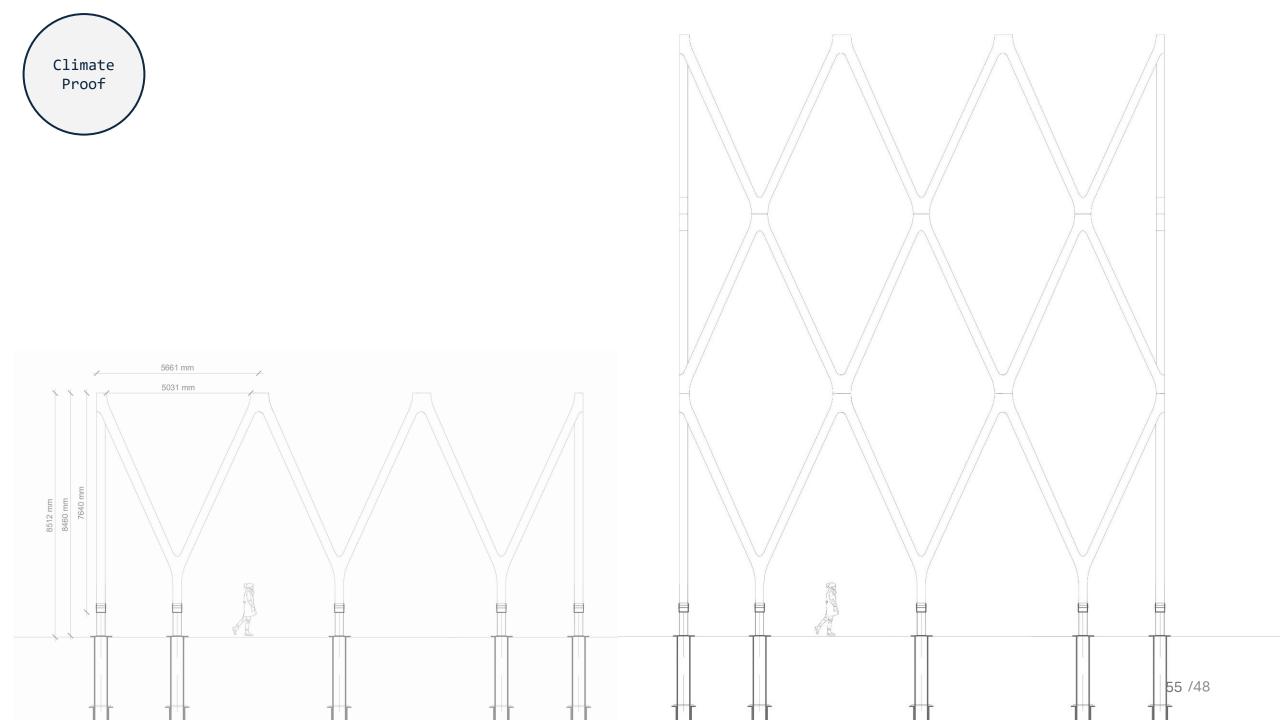






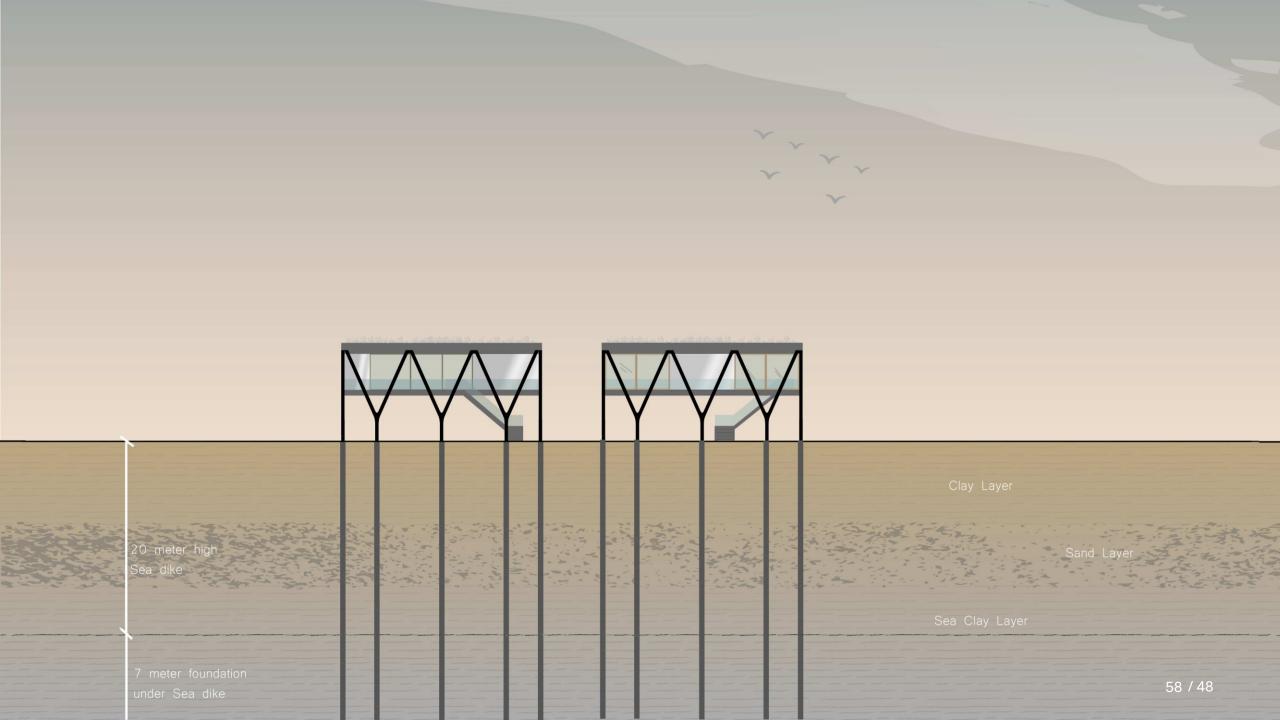
Climate Proof

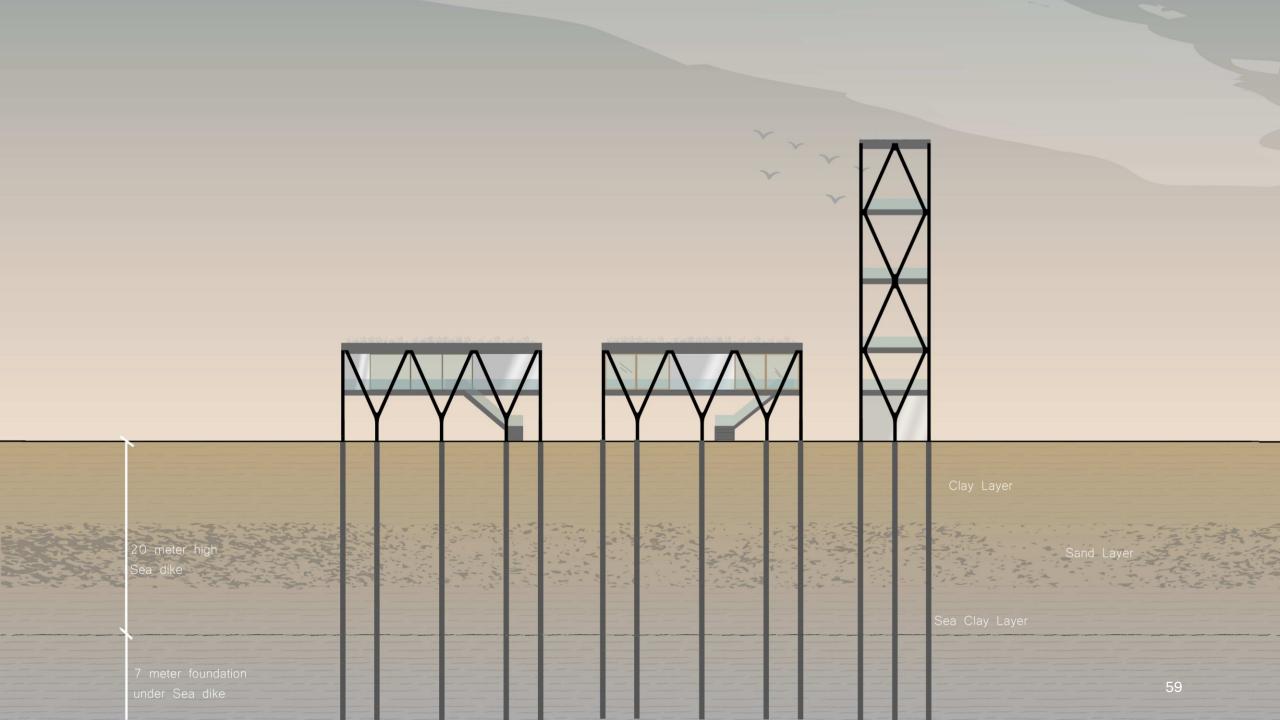




The story



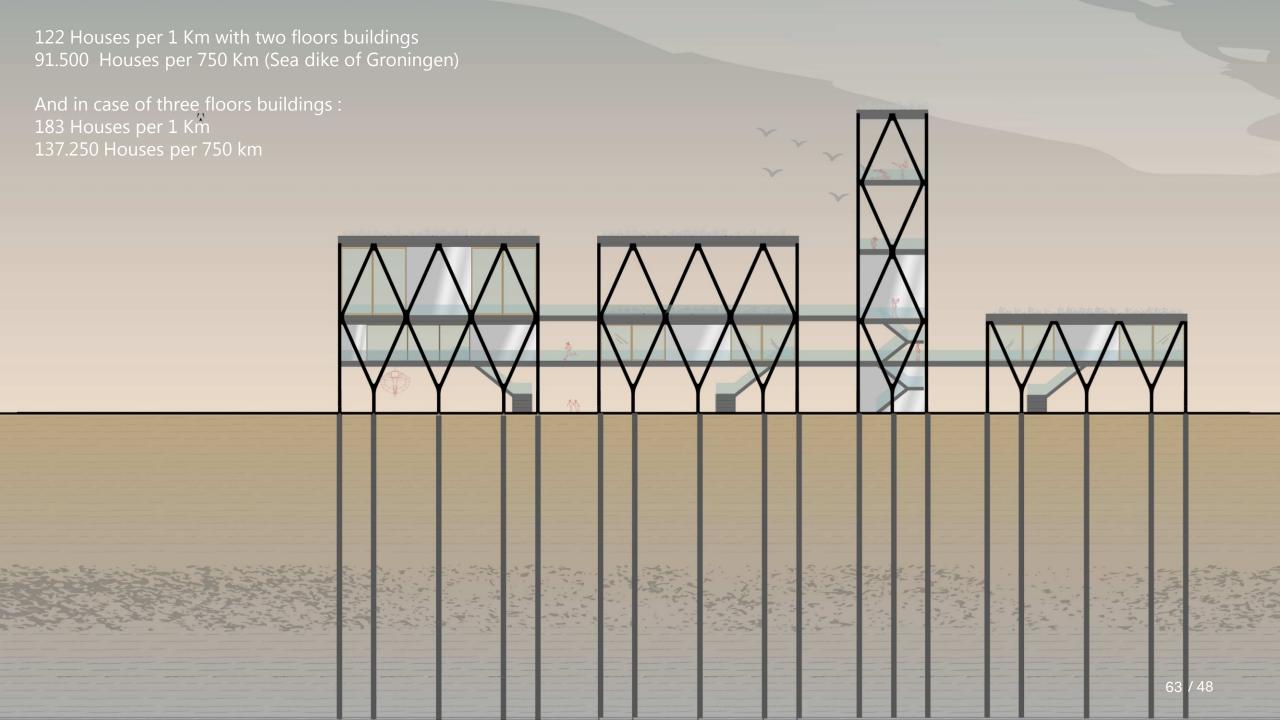


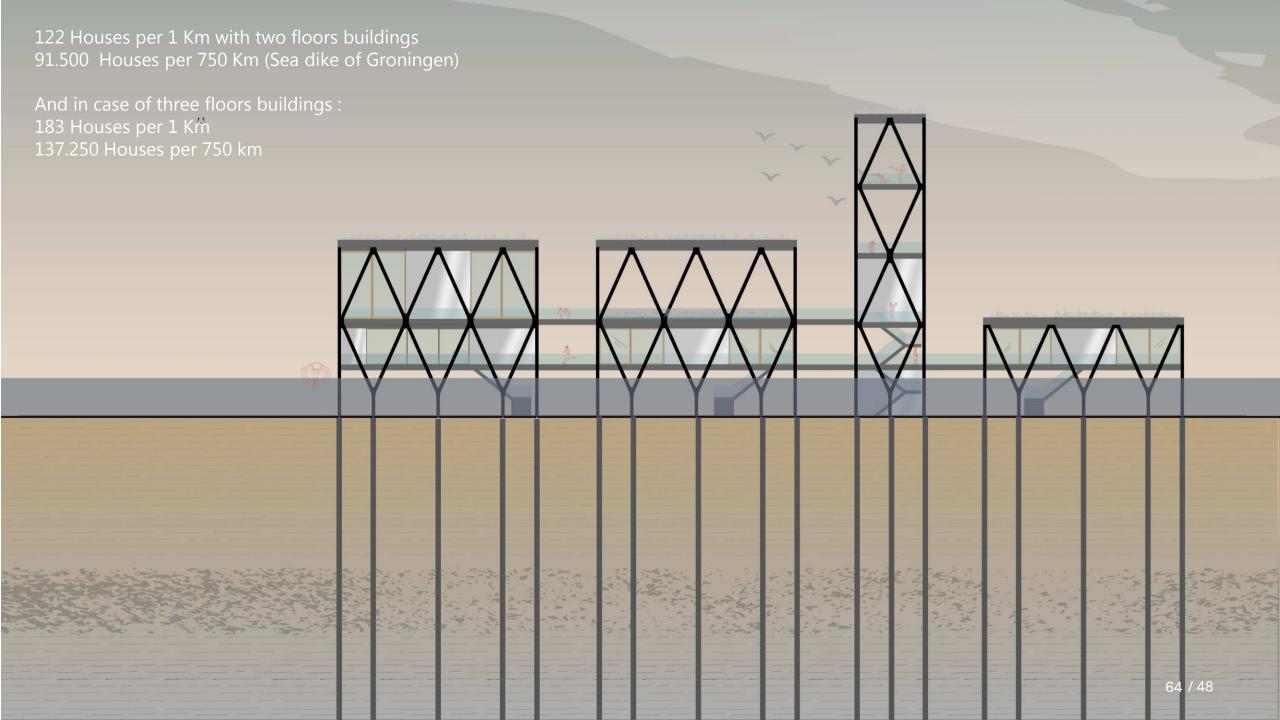




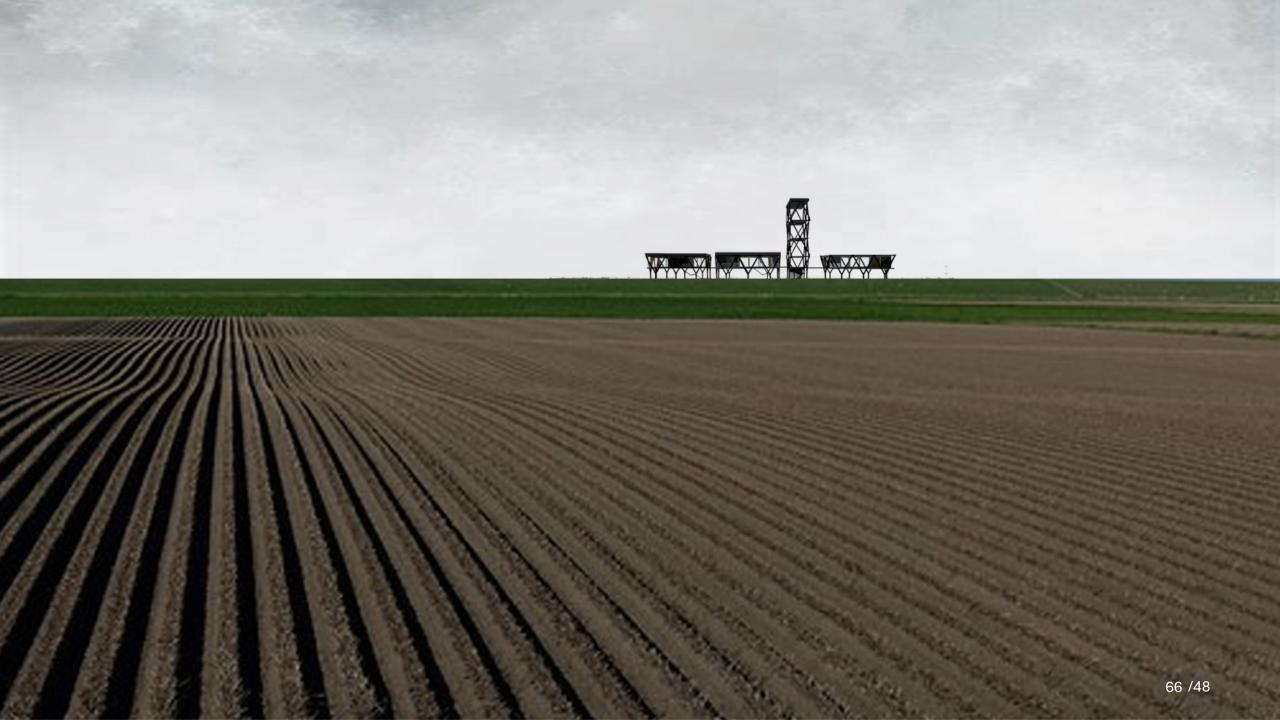








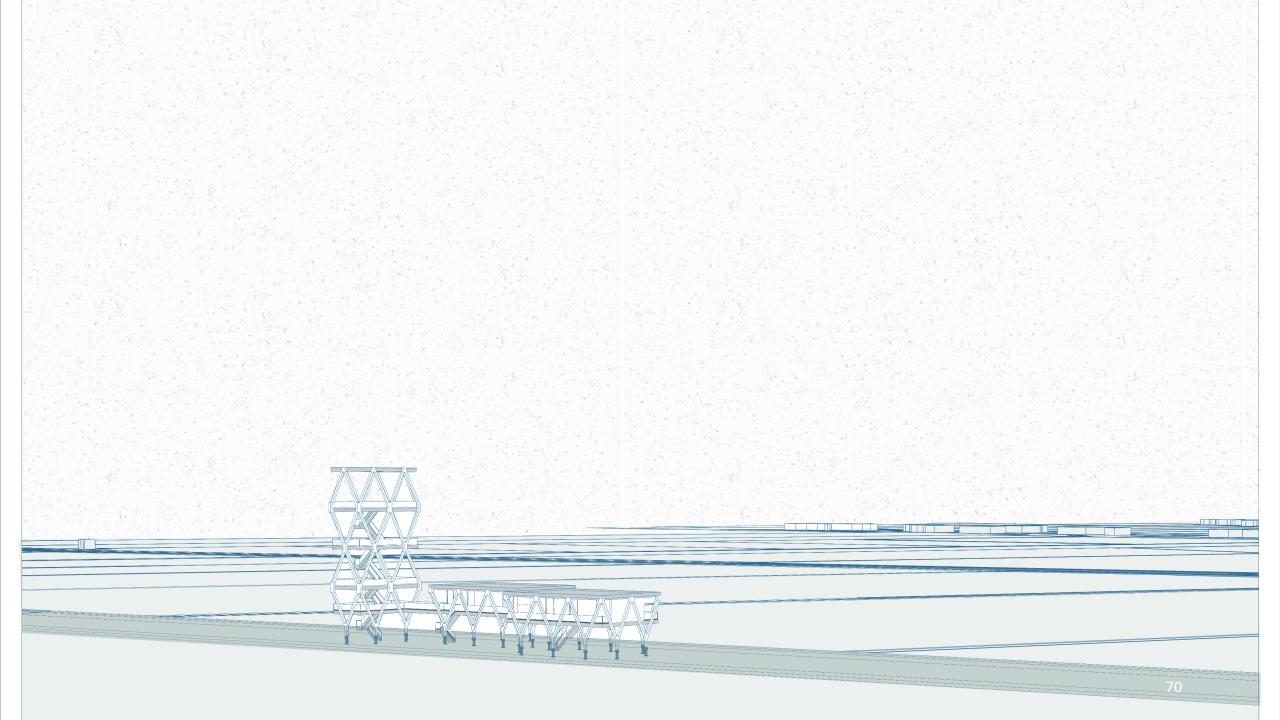
Architecture in the Landscape







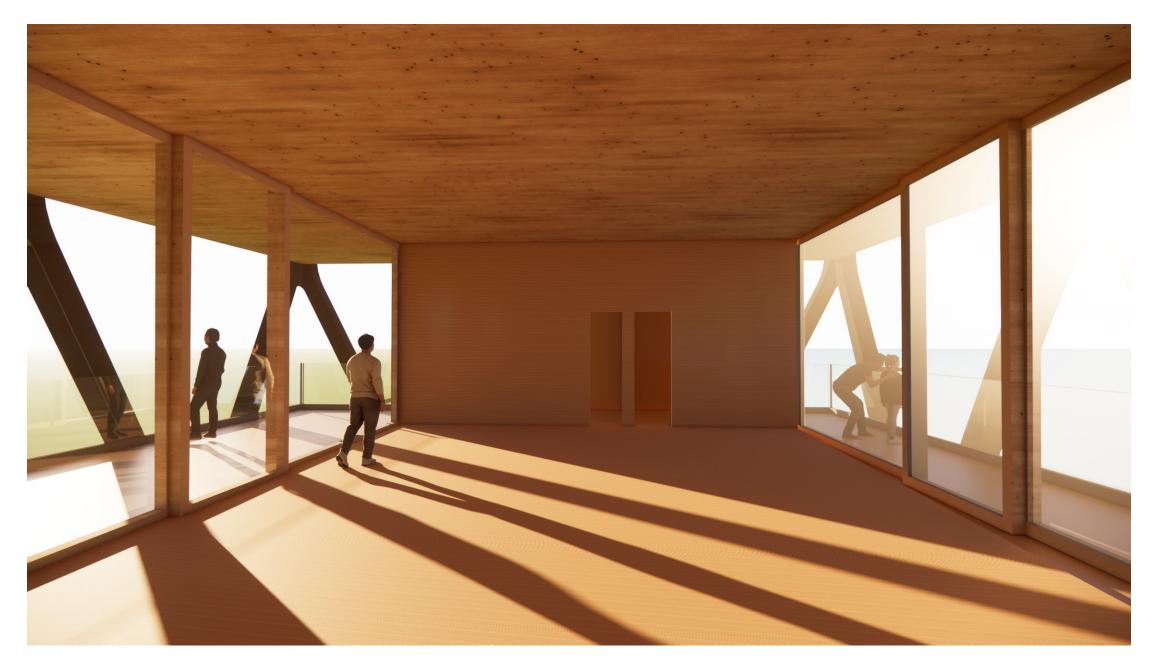












Reflection

