Axonometric projection
1. changing rooms
2. lockers
3. sinks
4. showers
5. indoor pool
6. steam (75%)
7. cold bath
8. aquatherapy / jetstream baths
9. whirlpool
10. sauna (75°)
11. hot bath
12. flower bath
13. moon bath
14. steambath 60% relative humidity
15. steambath 75% relative humidity
16. steambath 90% relative humidity
17. heated marble lounge
18. caldarium (50°)
19. lounges with view on horizon
20. massage & treatment rooms
21. stairs to restaurant & terrace
Cross & longitudinal sections
scale 1:200
Longitudinal sections & facade elevation
scale 1:200

Robin A.E. van Zeeland | P5 Presentation | Explore Lab 18
Cross section III
scale 1:50

NAP
NAP + 1
NAP - 1

Chambers for ballast
Ultra high performance concrete [reinforced] 800 mm
Protective scour
Icewhite mosaic tiles 300 x 300 mm 10 mm
Liapor structural lightweight concrete [reinforced] 500 mm
Liapor structural lightweight concrete [reinforced] 500 mm
Ultra high performance concrete [reinforced] 300 mm
Perforations to absorb wave load

Installations [eg. natuurstenenplafonds, ventilatie ducts, water tanks]

Perforations to absorb wave load

NAP + 1
NAP
NAP - 1

1000 mm high perforational concrete [reinforced]
Perforations at water level
Roof detail
scale 1:10

Roof detail:
- Accoya wooden planks 30 mm
- Wooden beams 40 mm
- Footbridge
- Polyethylene waterproofing membrane
- Thermal insulation 100 mm
- Thermal insulation sloped 1.5%
- Vapor barrier
- Liapor lightweight structural concrete 300 mm
- Ventilation duct output primary ø 800 mm
- Ventilation duct output secondary ø 400 mm
- Plastic double layered dome
- Fireproof glazing: 2 x 8 mm laminated safety glass
- Liapor lightweight structural concrete 500 mm
- Water drainage

Liapor lightweight structural concrete 500 mm

Liapor lightweight structural concrete 300 mm

Accoya wooden bench supported by stainless steel frame

Accoya wooden bench supported by stainless steel frame

Accoya wooden bench supported by stainless steel frame
Sauna / pool detail
scale 1:10

Material / layer stack

- Icewhite mat mosaic     10 mm
- Concrete      20 mm
- Screed with underfloor heating    80 mm
- Polyethylene waterproofing membrane
- Thermal insulation     40 mm
- Liapor lightweight structural concrete   300 mm
- Non-shrink mortar     50 mm
- Marble / pine wood     20 mm
- Wooden framework
- Thermal insulation      50 mm
- Liapor structural lightweight reinforced concrete  500 mm
- Icewhite mat mosaic tiles     10 mm
Details window
scale 1:5

Vertical section

Horizontal section

Stainless steel window frame
Laminated safety glass
Liapor structural lightweight concrete [reinforced] 500 mm
Ultra high performance concrete [reinforced] 300 mm