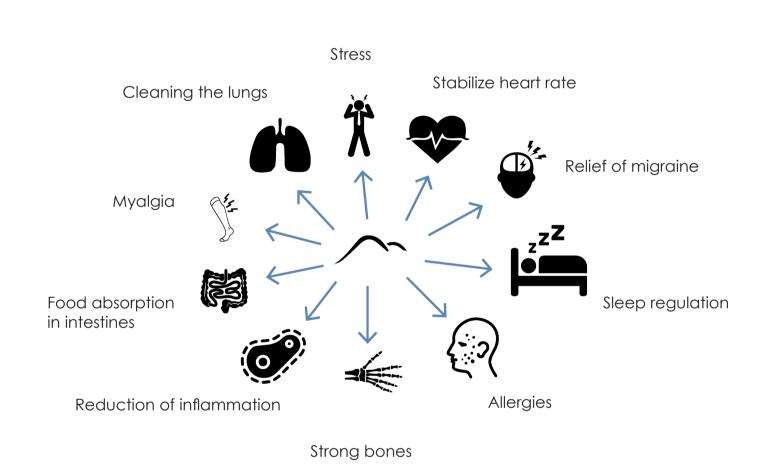


SALT AS MEDICAL STRENG

Salt is often viewed as something negative or certain diseases can interfere with absorption even as a problem. The most known is that salt of minerals. A more effective way to absorb is associated with high blood pressure and other salt is through the skin, which can be achieved negative effects on human health, but salt itself by taking a salt bath. Another possible means is not as negative as it often seems. In regard of intake is a salt room; for example inhalation to the negative effects on human health, one of the salt is a more direct solution for lung commonly speaks of industrial salt. Natural salt, related discomforts. These kind of facilities are such as sea salt, is in fact very beneficial to the very similar to common wellness facilities. The human health. Instead of the chemical additives combination of the traditional wellness element of industrial salt, sea salt contains diverse with different salt therapies make the medical minerals as phosphorus, magnesium, iron, zinc, treatment plan complete. By facilitating this copper, selenium, potassium and iodine. The natural way of treatment in a saline based medical powers of sea salt were discovered by health center the positive characteristics of salt the French scientist Rene Quinton (1866-1925). and salinization are promoted on a bigger scale. He discovered that the mineral composition of the sea corresponds to that of the human blood. To ensure the medical wellness center produces Quinton's treatments with sea salt led often to its own supply of medical sea salt; the wellness a recovery. This started multiple studies to the merges with the production of sea salt. This effects of sea salt on the human body. One combination integrates the production cycle of the conclusions is that sea salt can restore into the health facility, making it self-supporting. human needed mineral balance, which results The incoming saline water becomes part of in a reduction of medical complaints in multiple the new production facilities in the landscape areas. In time, the medical world increases its The character of the production landscape use of synthetic drugs and the use of natural is retained and used to create a positive treatments diminished.

Salt can be used to reduce effect of several is necessary for the medical wellness itself. The diseases. For sea salt to have its effect on the remaining sea salt will be sold in the health human body, the minerals need to be absorbed center's store and other medical based stores into the human body. Oral consumption is the In this way all obtained medical sea salt will be most common way to absorb medicine, but is used to spread the healing powers over a larger Age 15 to 65 not the most effective way. Studies show that area. factors like other types of food, medicines and

Jan Willem van Kuilenburg



contribution to the area's reputation. The

production of sea salt will deliver more salt that

NATURAL SALT an average of 98 %

Celtic sea salt = 90% 2 % - 5 head minerals an average of 80 trace elements

The mineral composition of the sea

VS INDUSTRIAL SALT 99,99 % NaCl



0 200.000 400.000 600.000 800.000

MOST COMMON DISEASES BY AGE GROEP AND INFLUENCE OF SEA SALT TREATMENT

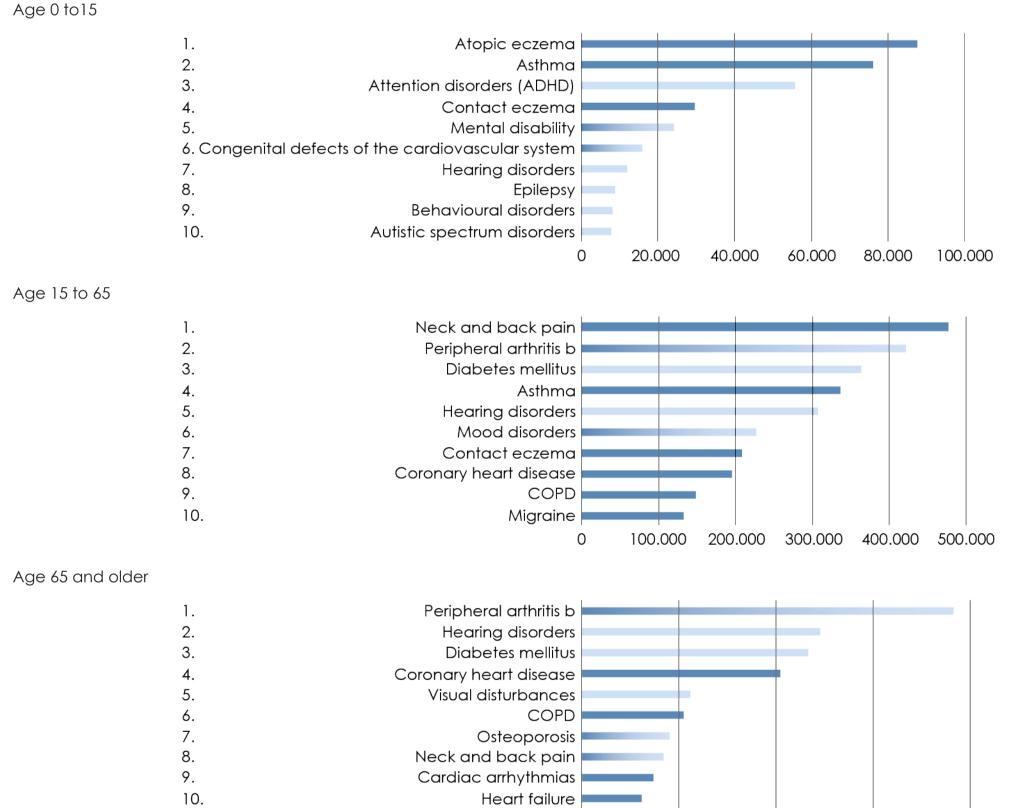
Diseases that can be reduced with natural salt

where the climate can be regulated. A

in which this concept of an artificial climate

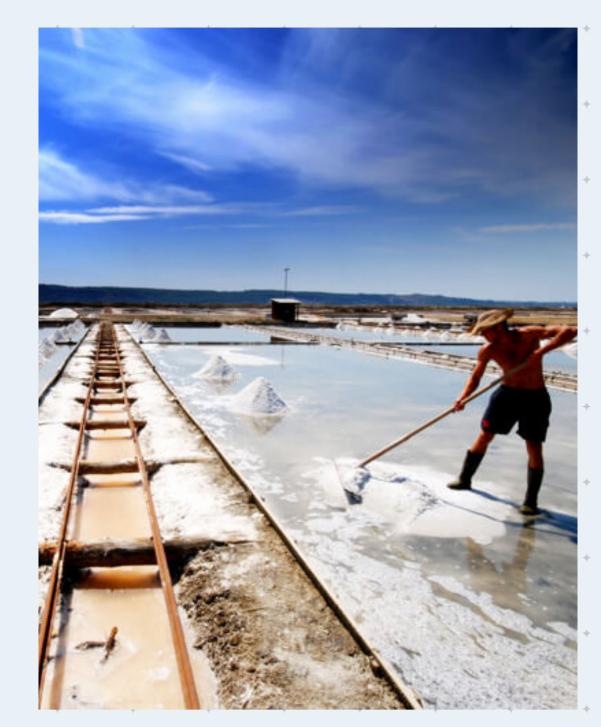
is applied. A greenhouse possesses another wellness.

NaCl





three adaptions will be done in the X,Y and greenhouse is one of the existing examples Z axis of the structure. These three adaptions are necessary to make a functional medical



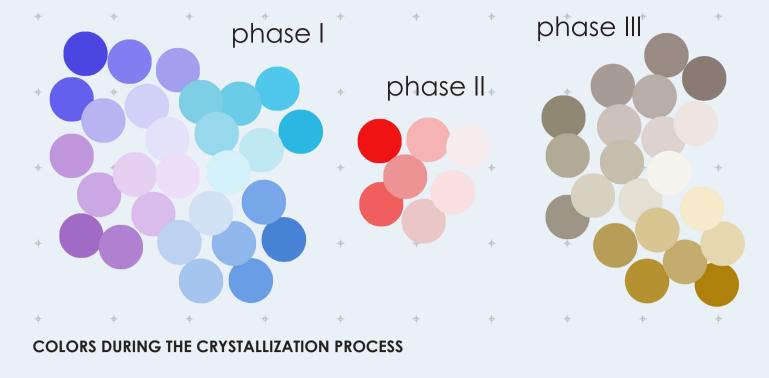
INTEGRATING CLIMATE

preserved. + + +

not be bound by seasons. The solar collectors

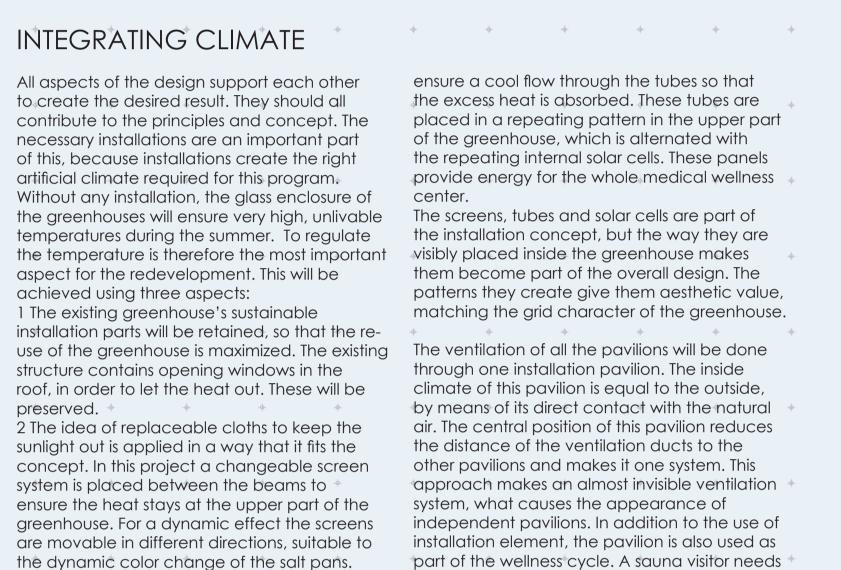
are part of the heat pump. The solar tubes

+ + +



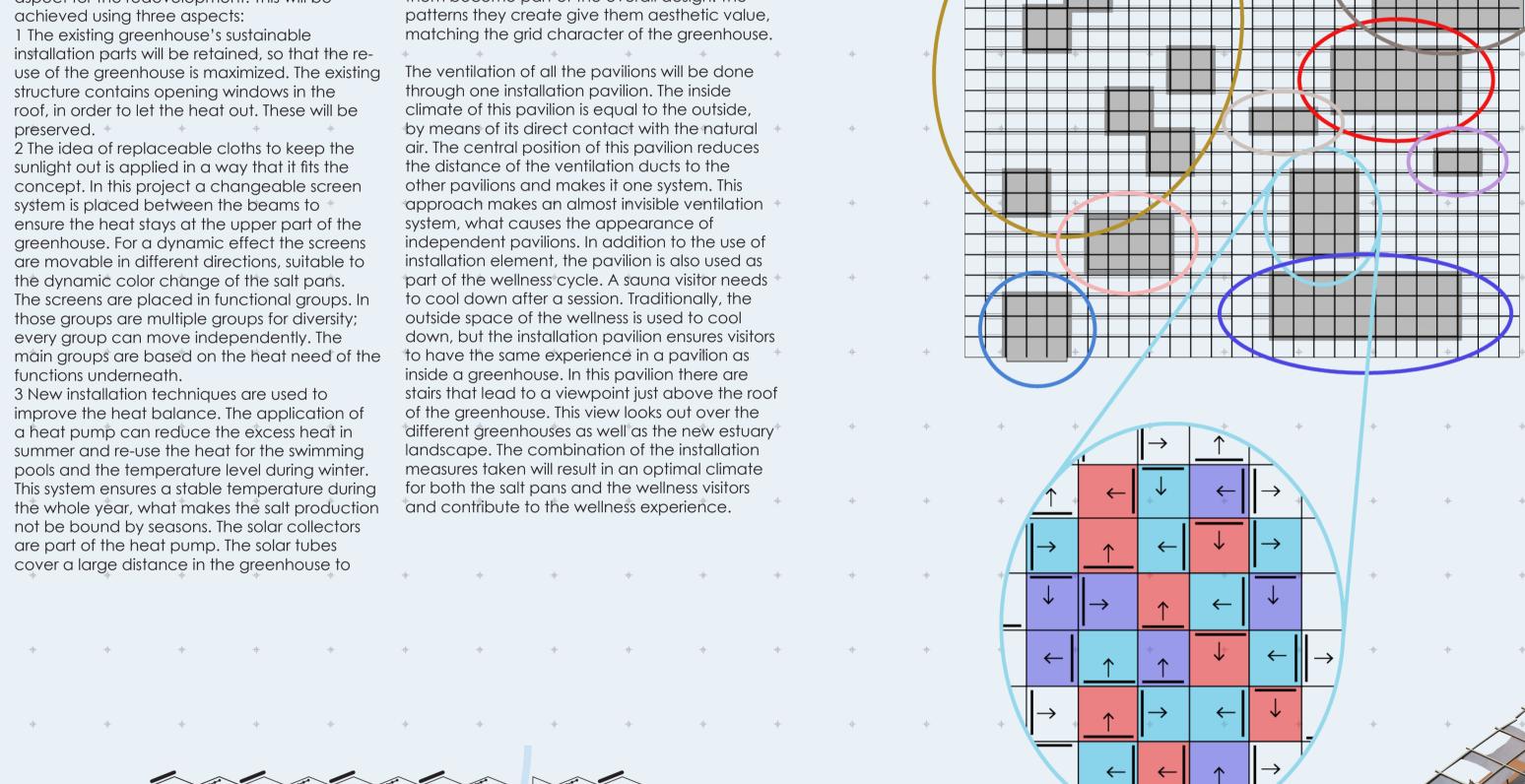


<u>╶┼╶┼╶┠┻╋┛┫╶┼╺╲┽╶┼╶┼╴</u>┟╴┧



those groups are multiple groups for diversity; outside space of the wellness is used to cool every group can move independently. The down, but the installation pavilion ensures visitors main groups are based on the heat need of the to have the same experience in a pavilion as functions underneath. inside a greenhouse. In this pavilion there are 3 New installation techniques are used to stairs that lead to a viewpoint just above the roof improve the heat balance. The application of *of the greenhouse. This view looks out over the* a heat pump can reduce the excess heat in different greenhouses as well as the new estuary summer and re-use the heat for the swimming landscape. The combination of the installation pools and the temperature level during winter. measures taken will result in an optimal climate This system ensures a stable temperature during for both the salt pans and the wellness visitors the whole year, what makes the salt production and contribute to the wellness experience.

cover a large distance in the greenhouse to + + + + + + + + + + +







1st world Estuary with entrance

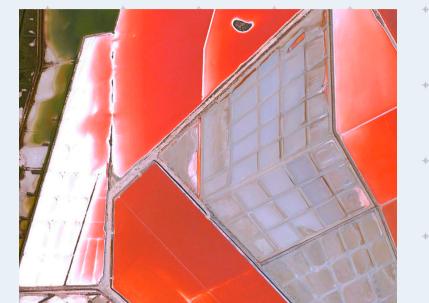
THE HEALING POWERS OF COLOR

Research shows that colors have a positive impact on people, in particular on people having health issues. More and more hospitals and other health institutions use color instead of sterile white to positively influence their patients. The importance of color for recovery underlines

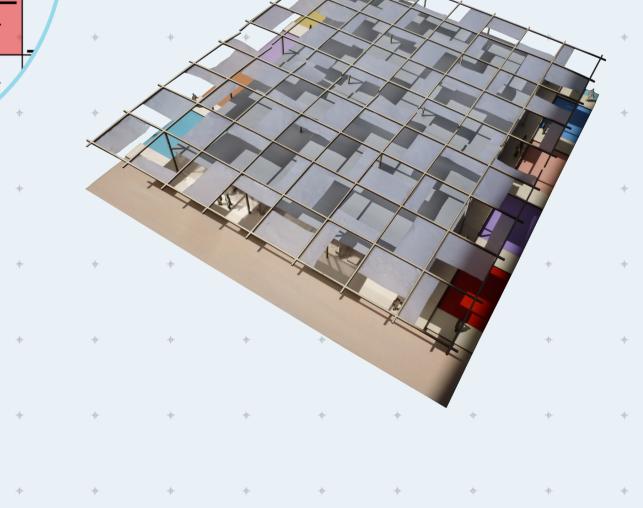
the importance of color in the design for the

medical wellness. The salt production in the salt pans connects naturally to the desired color use. A crystallization process is used to get from sea water to sea salt. The water color changes many times during this process due to a biological process by microorganisms. Microorganisms (Seagrass, Dunaliella Salina and Halobacteria) and Sea Shrimp (Artemia Salina) are necessary to create the right conditions so that crystallization can take place. This biological process has as effect an ever changing field of bright colors, which ensures an intriguing and dynamic environment. The many colors in the repeating salt pans refer to the colored fields of flowers, a renowned Dutch attraction. The similarities between the two make it plausible that the color fields of the salt pans alone will attract visitors to the Saline Health Center.

The color pallet of the crystallization process is very diverse, enabling it to be merged smoothly into the design for the pavilions. The different pavilions are very similar except for its color use. Each pavilion function is designed with a unique color in the salt pan pallet, which has a positive effect on the visitors. Because each function has a unique color it gives the people also recognition. The choice for the changing colors of the salt pans and the matching colors of the pavilions results in a connected and peaceful environment for the visitors.





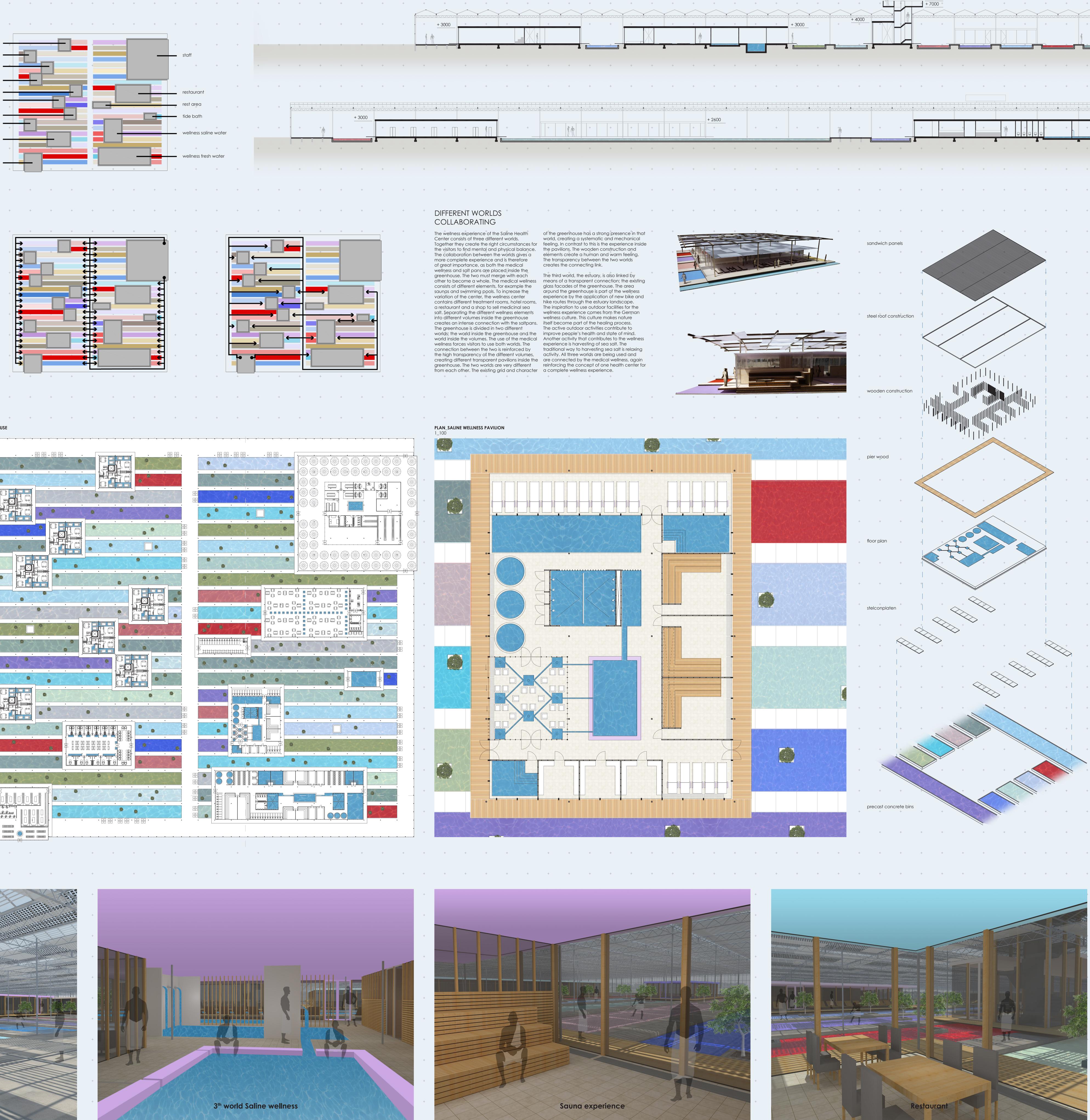


UMMARY Redevelopment of the West Brabant area is a merger of the known

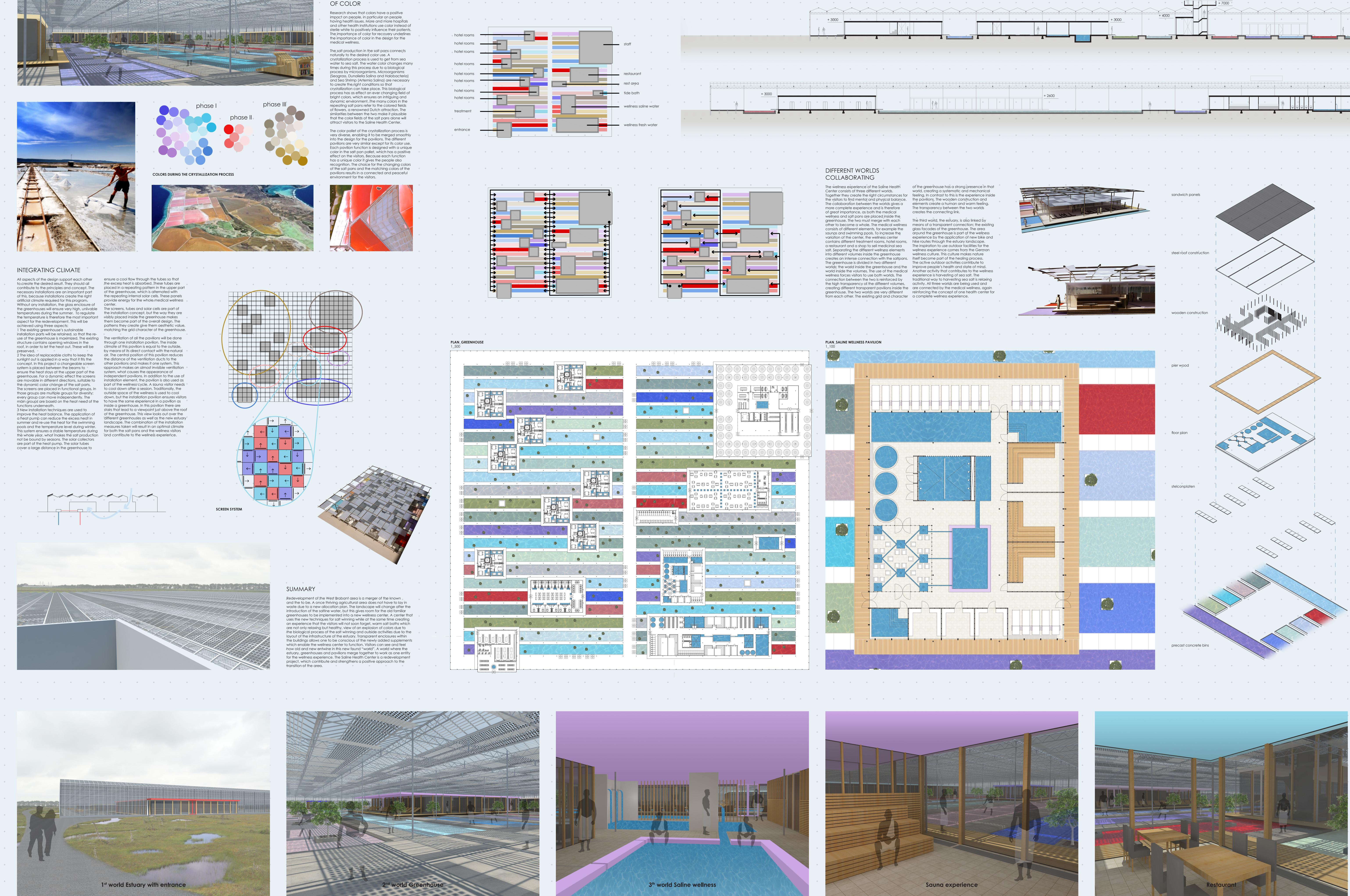
and the to be. A once thriving agricultural area does not have to lay in

waste due to a new allocation plan. The landscape will change after the introduction of the saltine water, but this gives room for the old familiar greenhouses to be implemented into a new wellness center. A center that uses the new techniques for salt winning while at the same time creating an experience that the visitors will not soon forget, warm salt baths which are not only relaxing but healthy, view of an explosion of colors due to the biological process of the salt winning and outside activities due to the layout of the infrastructure of the estuary. Transparent enclosures within the buildings allows one to be conscious of the newly added supplements which enable the wellness center to function. Visitors can see and feel how old and new entwine in this new found "world". A world where the estuary, greenhouses and pavilions merge together to work as one entity for the wellness experience. The Saline Health Center is a redevelopment project, which contribute and strengthens a positive approach to the transition of the area.

🔸 hotel rooms 🛛 🔶 🚽 👻 + hotel rooms treatment entrance _____



PLAN GREENHOUSE





					+ 3000	
		$\begin{array}{cccccccccccccccccccccccccccccccccccc$		+1600	171x71 mm 2. wooden parts, Rob 10 mm saparated 3. lattice 4. foil 5. plywood, 19 mm 6. wooden construction with insulation 7. wooden door fram 171x71 mm	rame, Robinia hardwoo oinia hardwood, 70x20 r
<pre>* * steel roo *</pre>		8 * * * * * * * * *				+ + + + + + + +
pier wood + + + + + + + + floor plor	bod + + + + + + + + + + + + + + + + + + +	11. wood, Rok + + +12. sandwich 150 mm 13. lattice 14. plaster boy	ruction n profile, in pavilion color binia hardwood, 200x100mm panel, Kingspan KS1000 RW,	10 + 10 + + + + + + + + + + + + + + + + + + +		+ $+12+$ $+131415$ $++$ $+$
	platen	1_20 16. pier wood 17. wooden b 150x50 mn 18. stelconpla 19. precast co 20. SCHAKO-fl 21. tile, 150x15 22. screed wit 23. insulation, 24. concrete fl 25. insulation, 26. installation 27. pile found	beams; Robinia hardwood; m aten, 2000x2000x140 mm oncrete bins, 200 mm thick floor convectors; CNVA, 350 m 50 mm th floor heating, 70 mm , 50 mm floor, 100 mm , 120 mm ns dation			
			 ↓ ↓ ↓ 	floor level -200 + + + + + + + + + + + + + + + + + +	* * * *	+ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$

