

SUN & WIND PLAZA

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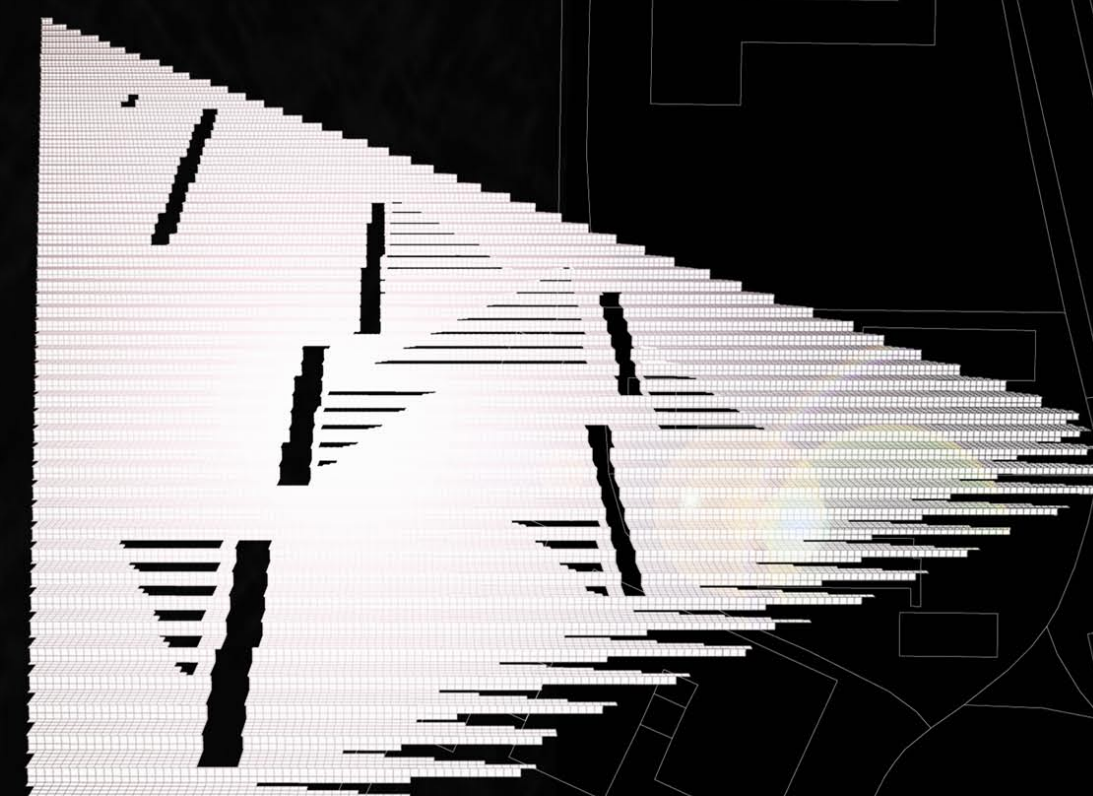
SITE PLAN

To enhance the interaction between human will and the power of nature, we designed a multipurpose structure cantilevered over the sea.

The structure has the function of a public plaza and the shape of narrowing terraces rising above the ex-shipyard.

Splendid views over the city and bay are provided from the cantilevered terraces; wind and solar energy is harnessed and a unique urban landmark – a symbol of balance between the environment and human activity is formed in the skyline of the city.

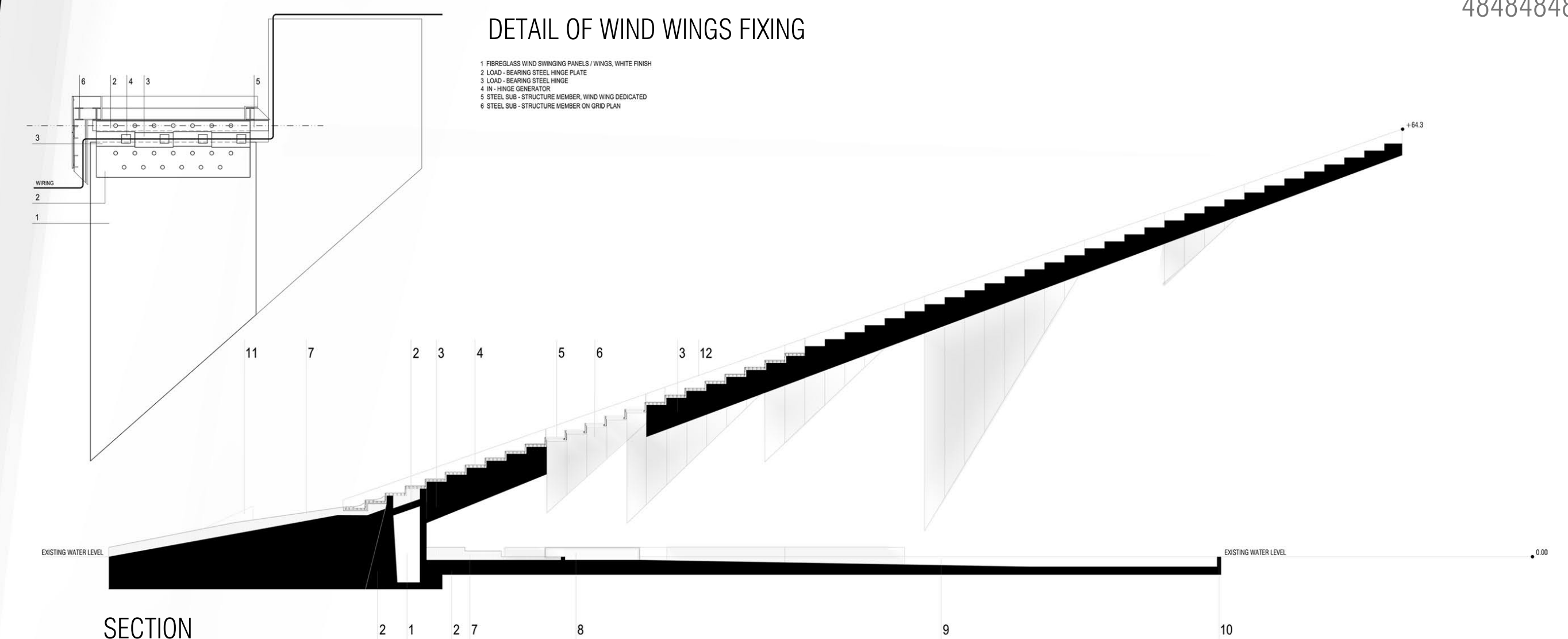
It is estimated the structure will generate green energy for approximately 616 households of the city of Copenhagen.



Photovoltaic Skin >>> Solar Energy
Made of ONYX solar walkable anti-slip panels with white semi-opaque finish.
Please refer to the detail drawing of panel fixing.

Wind Wings >>> Wind Energy
Made of white fiberglass panels with hinge fixing to main structure to allow for swing movement.
Please refer to the detail drawing of wings fixing.

TOP VIEW

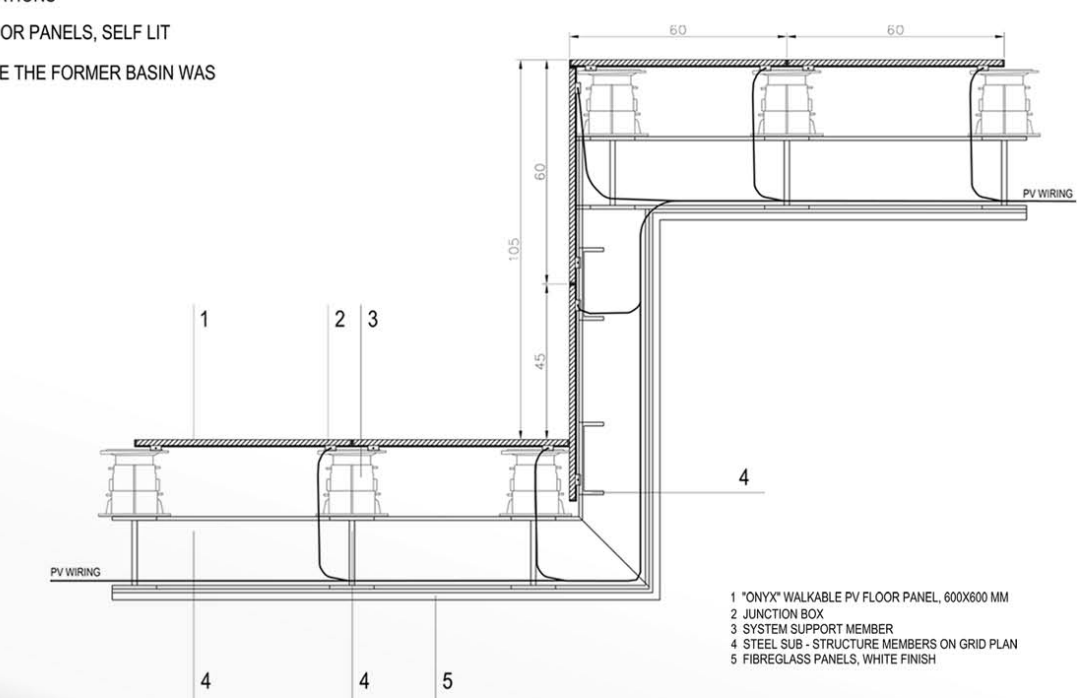


SECTION

- 1 ENCLOSED SERVICE ROOM - LOCATION OF TRANSFORMER
- 2 MAIN REINFORCED CONCRETE STRUCTURE
- 3 MAIN STEEL STRUCTURE SECTION
- 4 STEEL SUB-STRUCTURE AND "ONYX" WALKABLE PV FLOOR PANELS (60 X 60 CM) - SUN GENERATED ENERGY
- 5 VOIDS

- 6 FIBREGLASS MOVING BLADES / WIND WINGS - WIND GENERATED ENERGY
- 7 GROUND EMBANKMENT - SOIL / RUBBLE FROM EXCAVATIONS
- 8 WALKABLE WATER LAMPS - "ONYX" WALKABLE PV FLOOR PANELS, SELF LIT
- 9 NEW WATER BASIN - 0.5 - 2.0 M DEEP, LOCATED WHERE THE FORMER BASIN WAS
- 10 RETAINING WALL / CONCRETE FRAME
- 11 TERRAIN LAMPS, "ONYX" PV PANELS, SELF LIT
- 12 REINFORCED GLASS BALUSTRADE

DETAIL OF SOLAR PANELS FIXING



- 1 "ONYX" WALKABLE PV FLOOR PANEL, 800X800 MM
- 2 JUNCTION BOX
- 3 SYSTEM SUPPORT MEMBER
- 4 STEEL SUB-STRUCTURE MEMBERS ON GRID PLAN
- 5 FIBREGLASS PANELS, WHITE FINISH