

Vertical Axis Wind Turbine

Power Generating. Speed of energy production shown visually through colour variations on blade edges.

Monocrystalline Solar Panels

Power Generating. Be installed on half of roof with highest solar efficiency. Combined with LED to light at night.

Coloured OPV Panels

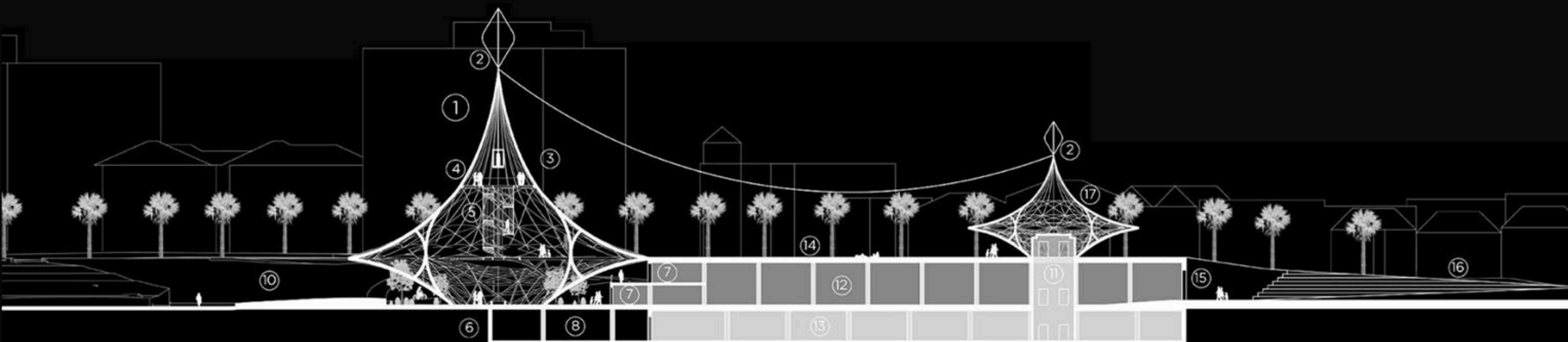
Power Generating. Coloured and translucent OPV panels are used to create a gradient of colour to the internal/external skin while providing rain and sun protection.

Cross-laminated Timber Frame

Star-shaped interlocking timber frame with steel plate connections creates a light yet stable frame to integrate solar panels and lighting.

Pressurized Air Energy Storage

Storage facility located underneath the pavilions, safe from public use. This technology stores energy by using it initially to compress a series of air chambers. When energy is needed air is released through a conversion system and again becomes usable electricity.



SITE SECTION

Legend

- ① Grand Pavilion
- ② Vertical Axis Wind Turbine
- ③ Turbine mechanisms within display case
- ④ Observation Deck
- ⑤ Suspended Spiral Stairs
- ⑥ Plaza
- ⑦ Cultural Centre Entry
- ⑧ Renewable Energy Storage
- ⑨ Lawn Pavilion
- ⑩ The Slopes
- ⑪ Lift access to Cultural Centre
- ⑫ Masterplanned Cultural Centre
- ⑬ Masterplanned Basement Parking
- ⑭ The Lawn
- ⑮ Entry to Cultural Centre
- ⑯ Palais Theatre Plaza
- ⑰ Lawn Pavilion