



# STRUCTURE

The form of the pavilion is inspired by the shape and identity of the site, the St Kilda Triangle, providing an iconic public branding that reinforces the identity of the St Kilda Triangle while forming a solid anchor point for the proposed design. The structure spans 30m along all three sides providing a large canopy to host a variety of activities. The form of the installation is also designed to respect the community's desire to maintain views from the Esplanade of the Port Phillip Bay horizon with the pinnacle height of the structure rising to 20 meters. The structural supports are formed from recycled scrap steel while the prisms are formed from recycled glass molded into shape. Each prism contains one LG Neon R Monocrystalline solar cell capable of 21.1% efficiency (1), totalling 1024 cells with a combined pmax of 6229W combined with Melbourne's annual mean average of 4.2KWh per day of sunshine (2) for a total estimated (4.2kWh x 6.229kW = 26.1618kWh x 365) = annual 9.549MWh of energy production.

