



SECTION A-A

SECTION B-B



Piezoelectricity is the electric charge that accumulates in certain solid materials (such as crystals) in response to applied mechanical stress. When a footsteps press on the walking path, a positive charge is created on one side while a negative is on the other side. These atoms meet each other and produce a voltage that can be stored in lithium ion batteries.

With over 1000 square meters that applied piezoelectric technology and about 500 people can walk on at the same time. Each step will create about 4 watts.

The average there person hold in St.Kilda uses about 5300 kWh per year. The system can generate around 10,000,000 kWh per year, enough to power 1000 households.

