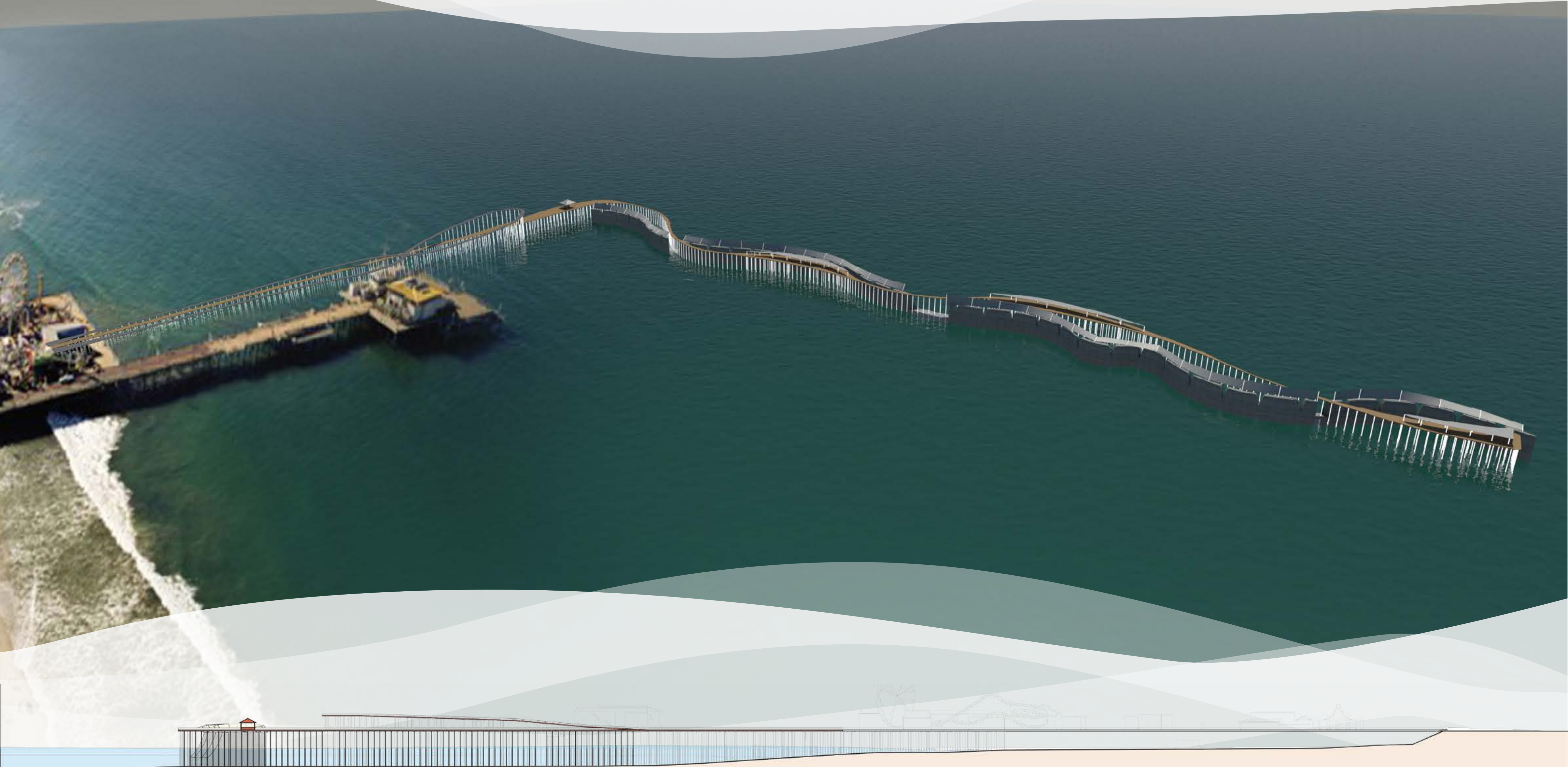
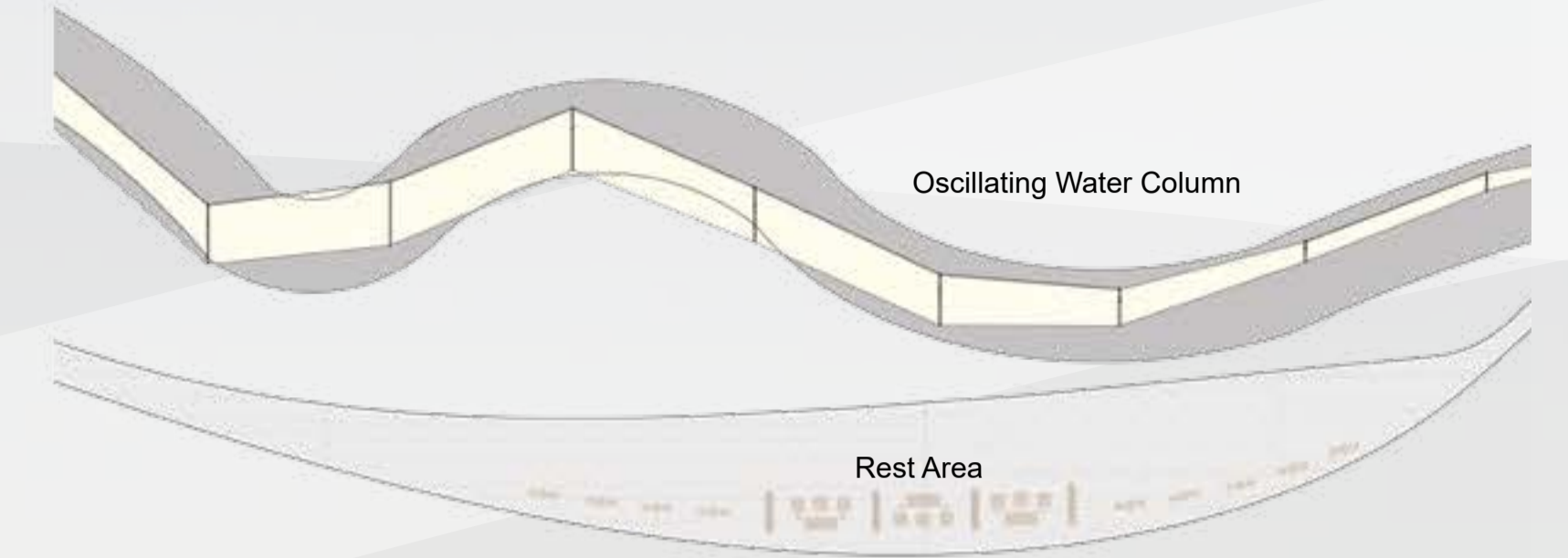
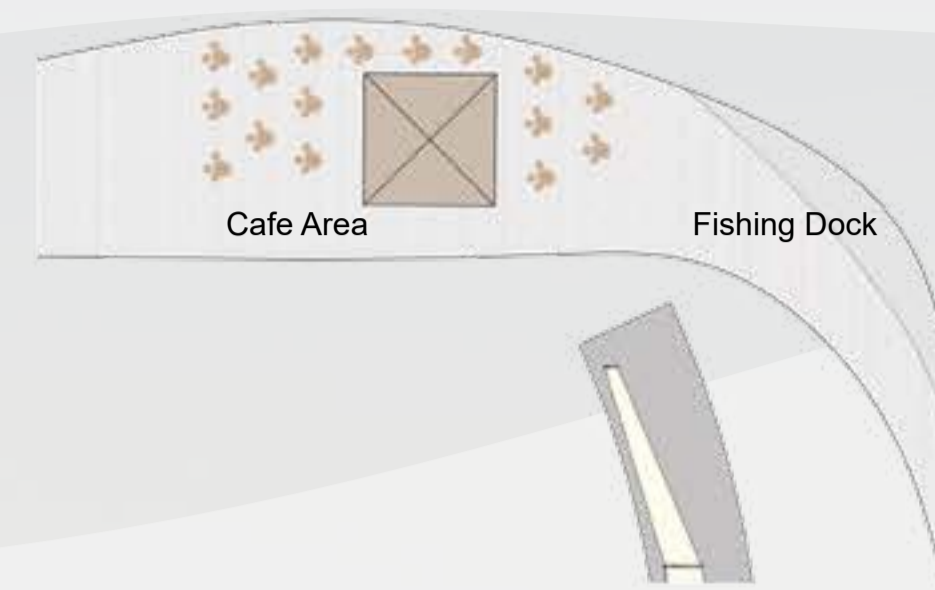
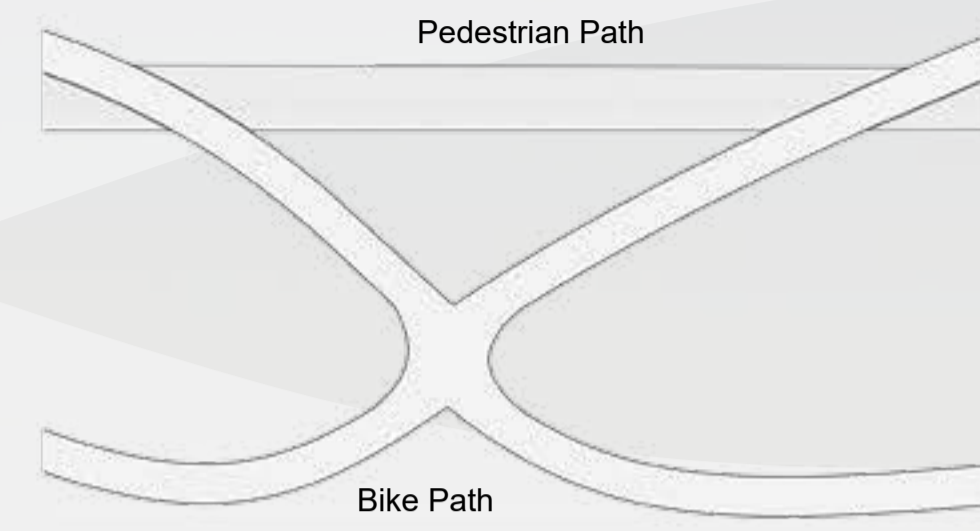


SWITCHWAVE

SWITCHWAVE is inspired by elements from Santa Monica's **history**: the **wharf**, the **99 steps**, and the **switchback roller coaster**. Each element describes the movement of energy back and forth across the structure.

Energy is generated on the site by 40 oscillating water columns replacing the existing breakwater. As waves enter the oscillating water column the change in air pressure within the chamber forces air out of the top. As the waves recede air is drawn back into the chamber. Air movement forces a turbine to spin, generating energy. Regardless of the direction of air movement the turbine spins in the same direction.



Site Section:

