



W.E.A.V.E.

The Water Extraction Attenuating Vapor Envelope (W.E.A.V.E.) is a public pavilion inspired by the water-collecting properties of spider webs. Like spiders that harvest dew from their silk, W.E.A.V.E. captures and recycles water through a closed system. Rainwater collected in planters feeds ultrasonic misters that release vapor, creating a fog that condenses on the pavilion's mesh and drains back below. This continuous cycle mimics natural hydrology while reducing surface runoff and easing stormwater loads. W.E.A.V.E. transforms biomimicry into a spatial experience, an architectural ecosystem that celebrates water's presence, movement, and renewal within the urban environment.

