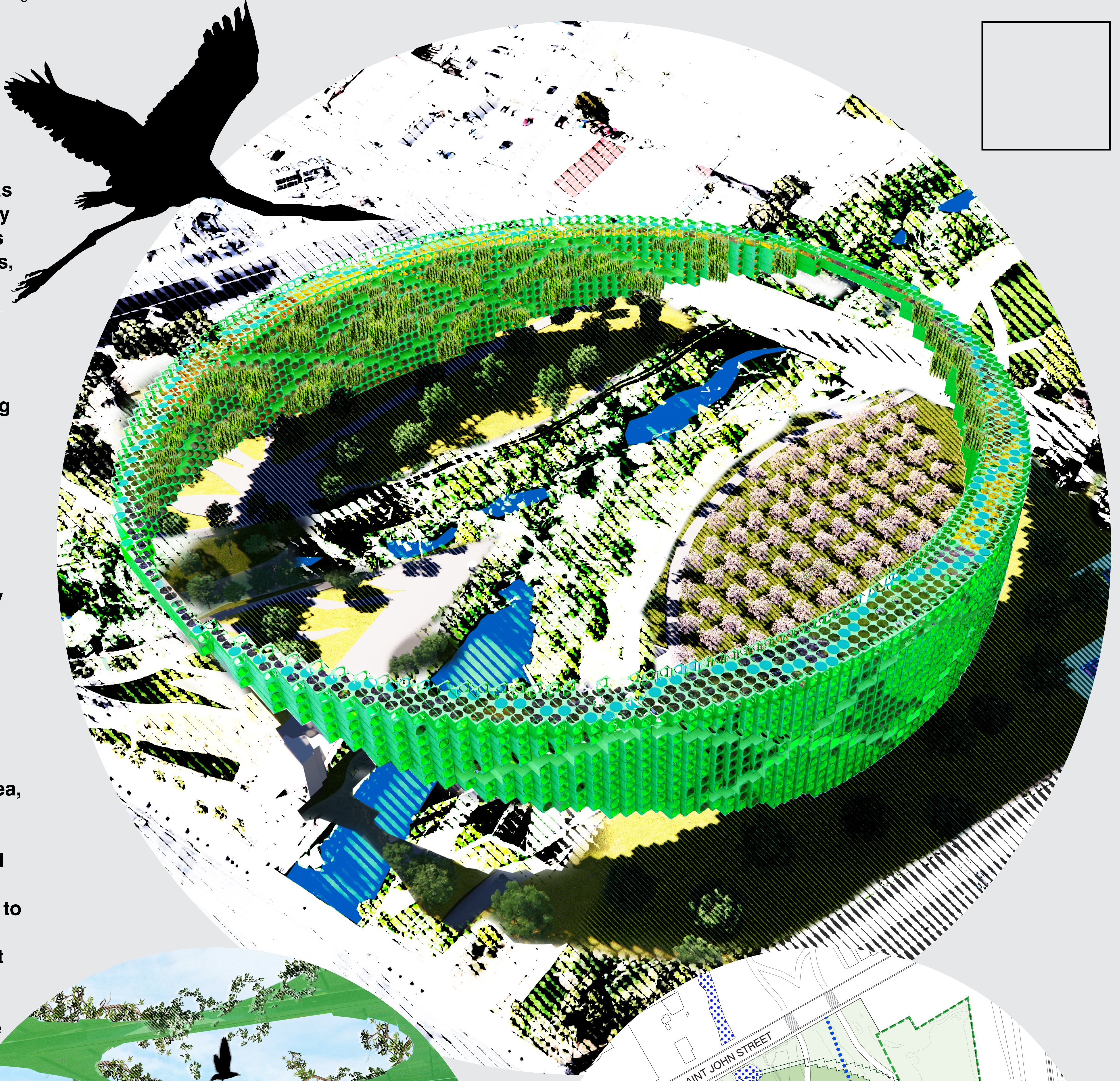


Ecology and Community

The historical San Jose Light Tower was a second full moon, a timely technology that evoked a timeless ecology. Just as that tower bridged an urban crossroads, from the four corners of Market and Santa Clara Streets, Full Circle bridges a natural crossroads of the Guadalupe River and Los Gatos Creek—touching the ground lightly with two small footprints to the east and west, allowing and celebrating natural systems of flowing water and air; migratory birds and visiting people; and more.

A simple and unmissable landmark from the birds' eye view of planes at San Jose International Airport, and a strong visual presence from Route 87, Full Circle's complex geometric tracery also acoustically and visually shelters Guadalupe River Park from those infrastructures. Yet its narrow cross-section and delicate bridges welcome the sunlight and water that nurture nature here. An inhabitable meadow of rooftop plantings learns from the oak and grassland ecologies of the Bay Area, and all of Full Circle is integrated with nature and with human nature—from rookeries for migratory birds, to playful landscapes, landings, lookouts, and more, for families, friends, and visitors to return to year-round.

Full Circle is not an imitation of life, but like networked technology at its most powerful and subtle, nurtures a complex connectivity at the confluence of technological and natural systems. Full Circle is full of life.

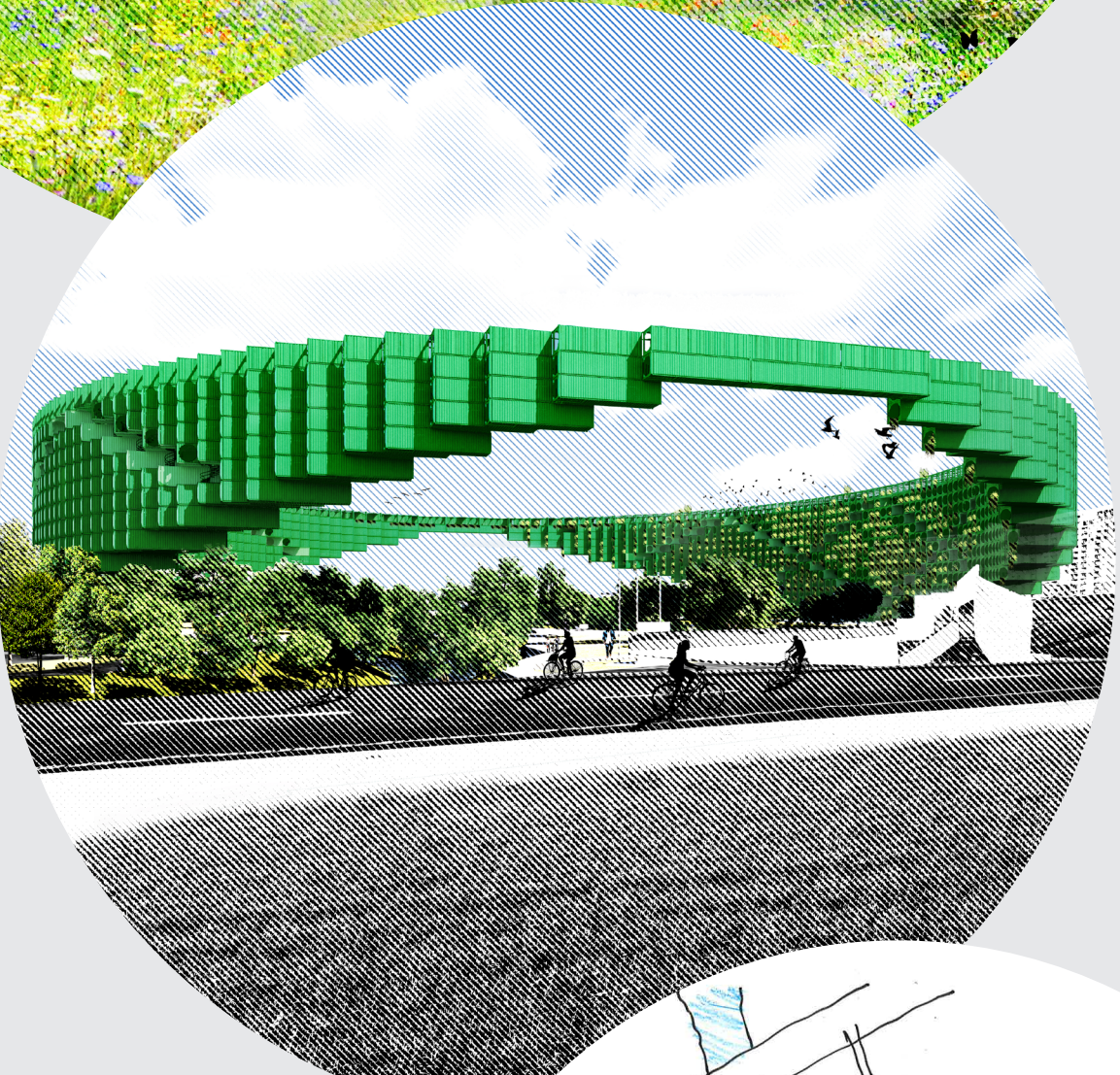


SITE MAP

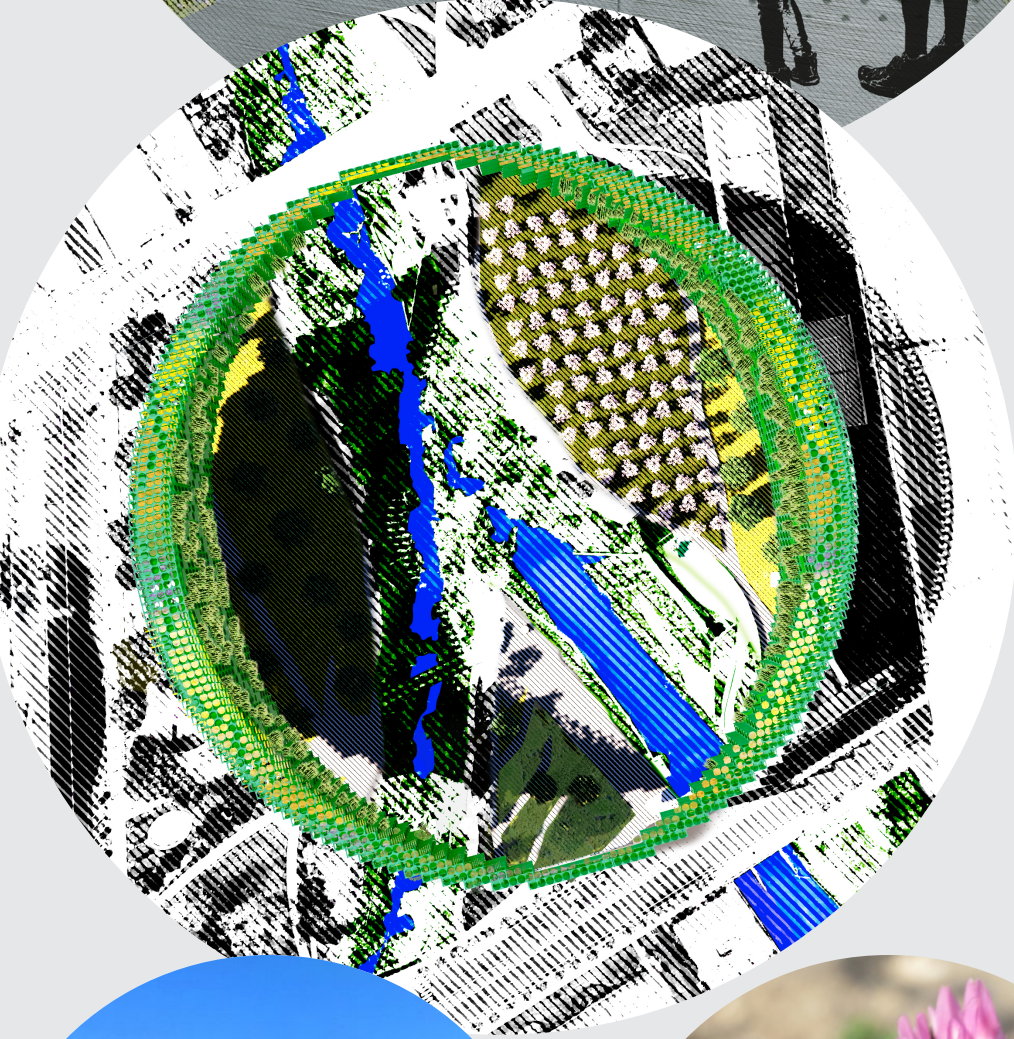
a half-mile elevated circular trail overlooks the park, framing vistas of cityscape, landscape and sky



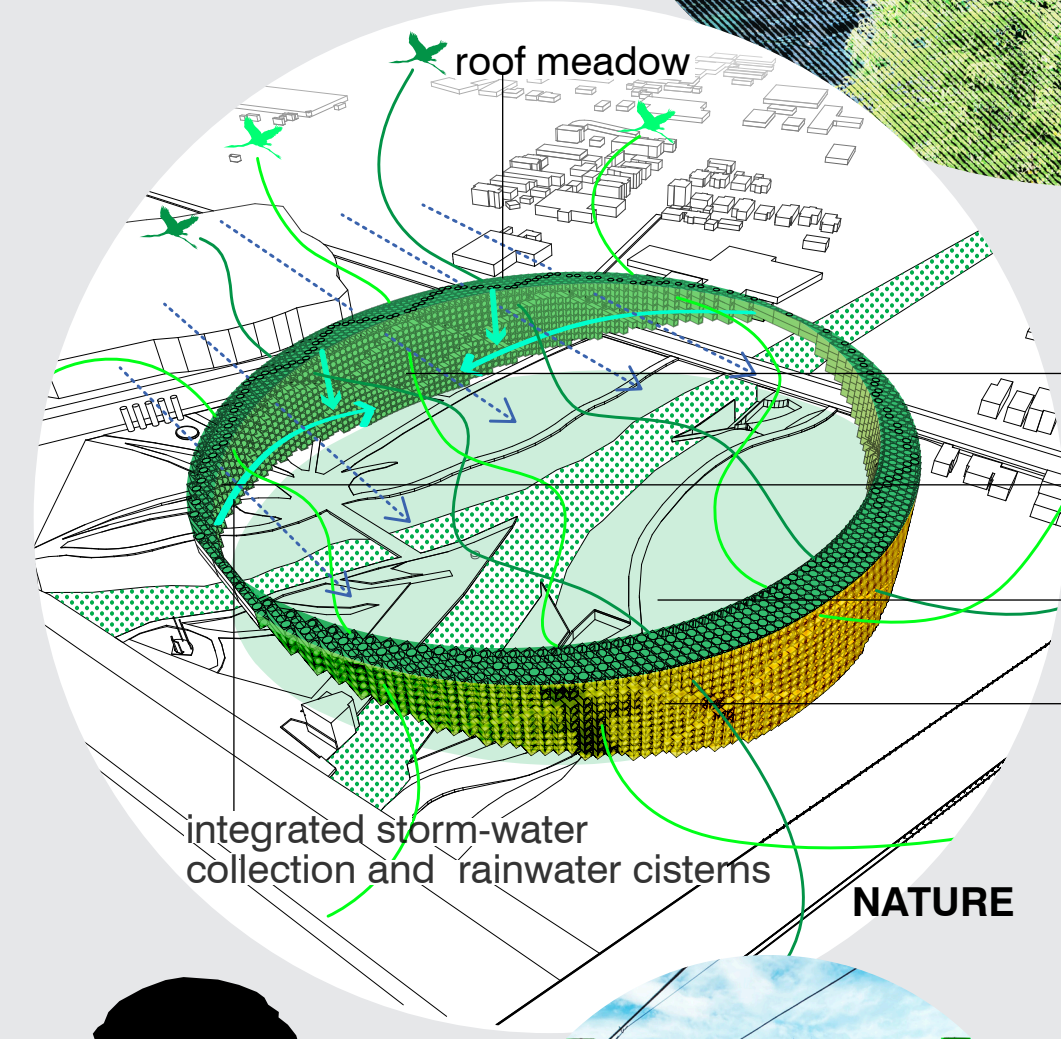
SITE PLAN



opening the circle and protecting the natural landscape, the bridging arch raises the circular trail 130' above ground

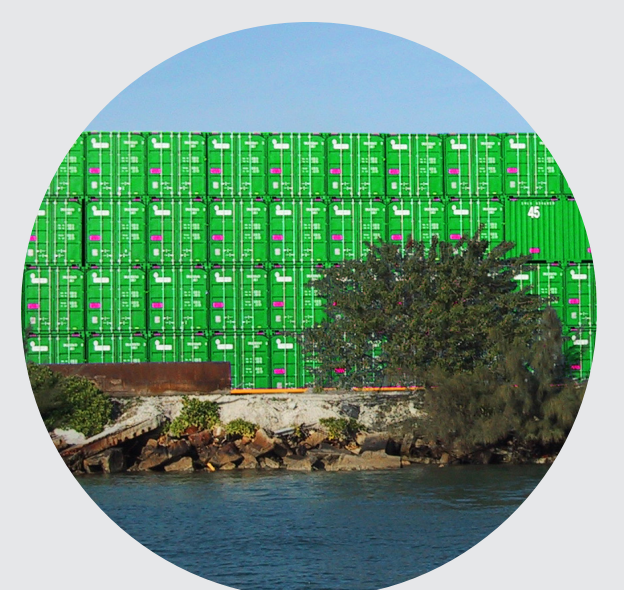


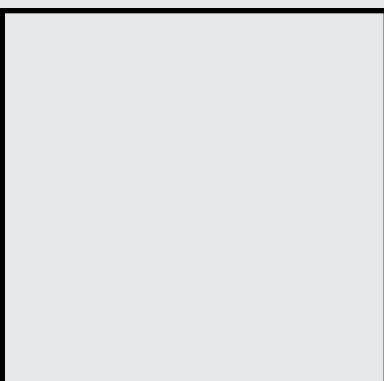
edible orchard garden recalls South Bay historic orchards
 repurpose existing park as an oak savannah w/habitat for birds
 regrade existing turf panels for stormwater detention/treatment
 roof meadow provides native grasses for birds and pollinators



vegetated facade at perforations of inner circle
 porosity allows light/air penetration and bird refuge
 enhanced gardens, emphasizing native planting and habit-creation
 low-res LED display of nature within circle

NATURE





Technology and Legacy

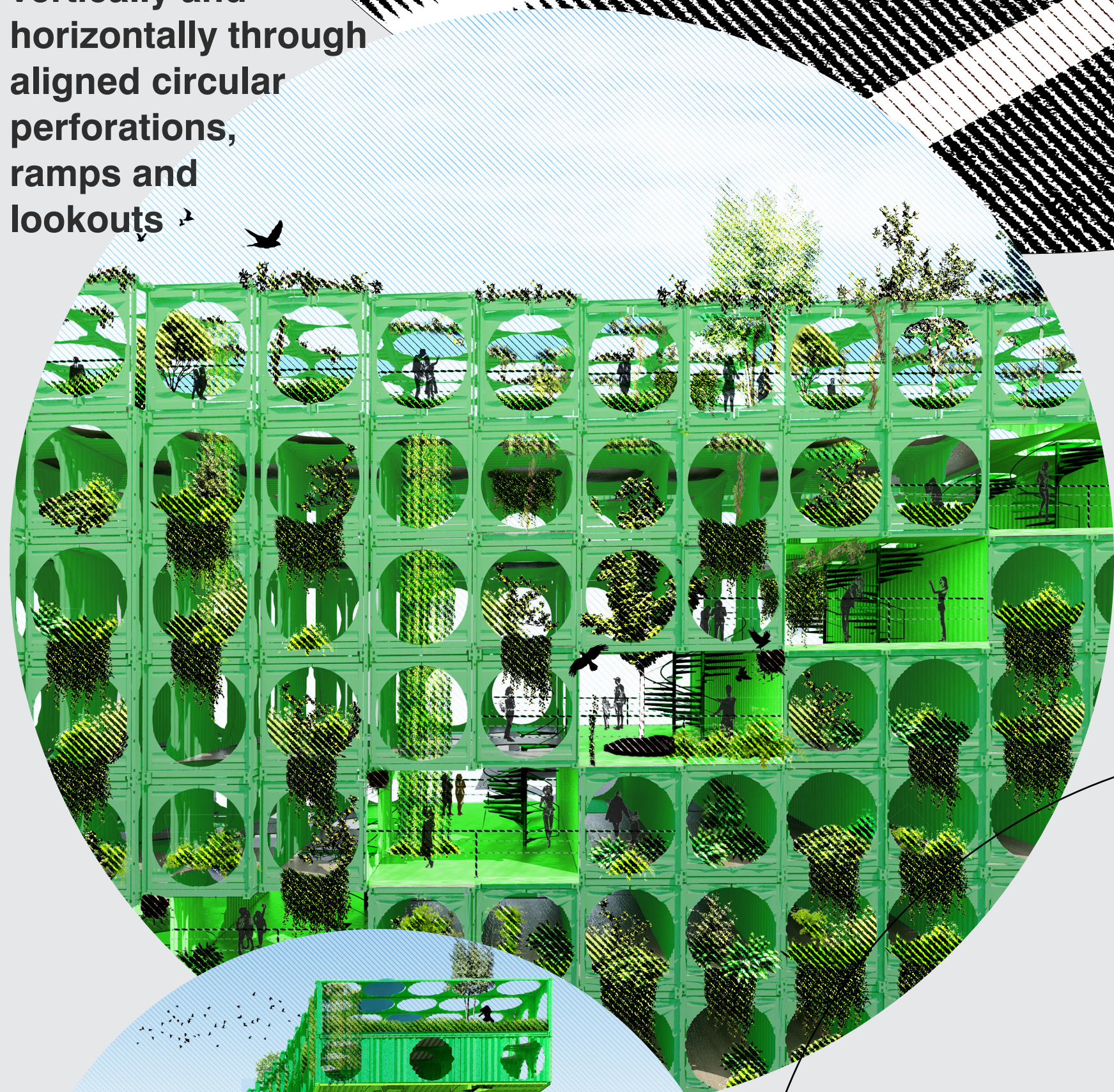
The geometry of the cantilevered circle seems almost impossible. And yet it's possible with engineering—like all the mechanical, electrical, and social marvels rooted in Silicon Valley. The upcycled shipping containers with which Full Circle is made confirm a circular economy of sustainability. They conceptually connect the Valley to the San Francisco Bay, the Port of Oakland, and all the Pacific. And, by resolving curves to lines, they evoke the pixelated geometries of computational displays at their finest grain.

The circular openings provide natural daylighting and cross-ventilation—as well as a field of circular light sources that evokes iconic arrays of blinking indicators in the history of computing. This deliberately and radically low-resolution 750-pixel screen harvests patterns of movement from Guadalupe Park—scintillating birds, sparkling water currents, floating leaves—and broadcast these patterns toward adjacent freeways. The screen is piezoelectrically people-powered by visitors ascending and descending internal staircases and lookouts, up to a rooftop high line perimeter promenade; while photovoltaics power the rest. The overall composition of containers and circular openings, of lines and circles, evoke the binary code of 1's and 0's at the heart of our modern world.



light, air, water, birds, greenery and people filter vertically and horizontally through aligned circular perforations, ramps and lookouts

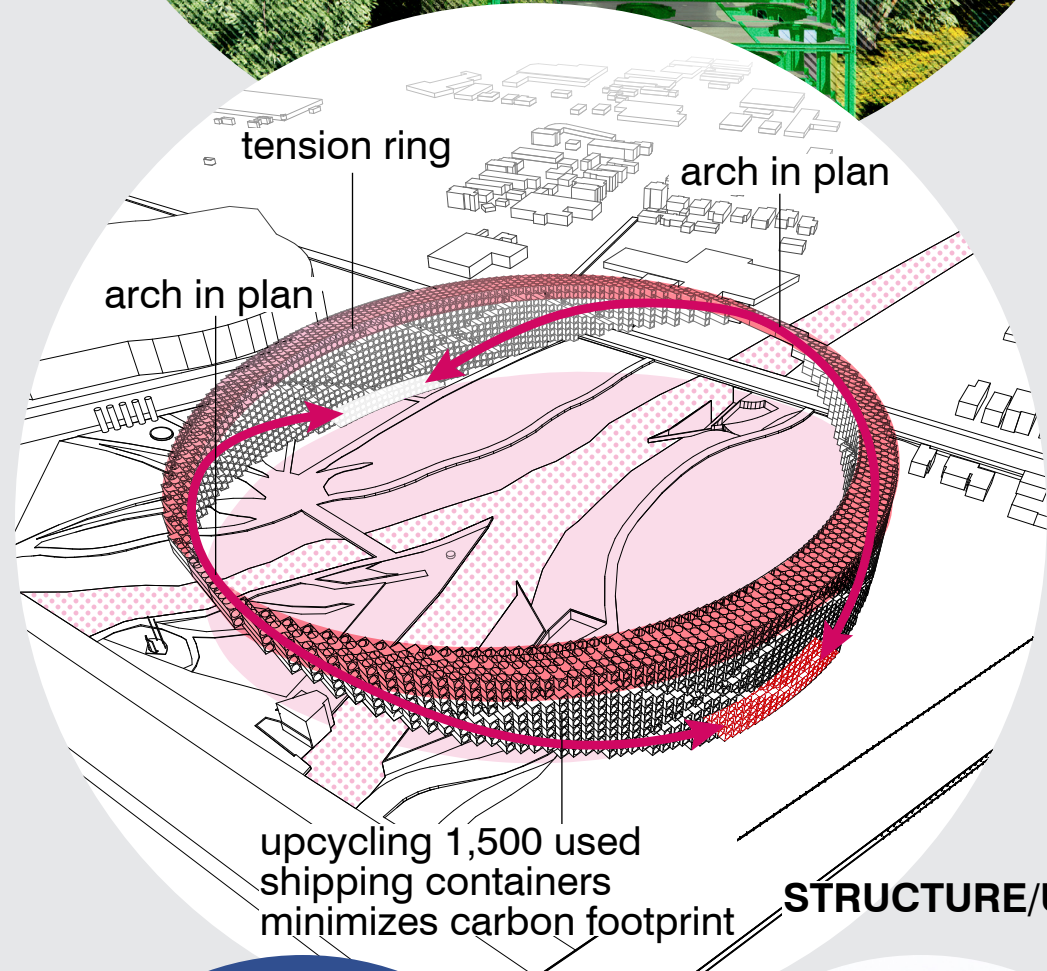
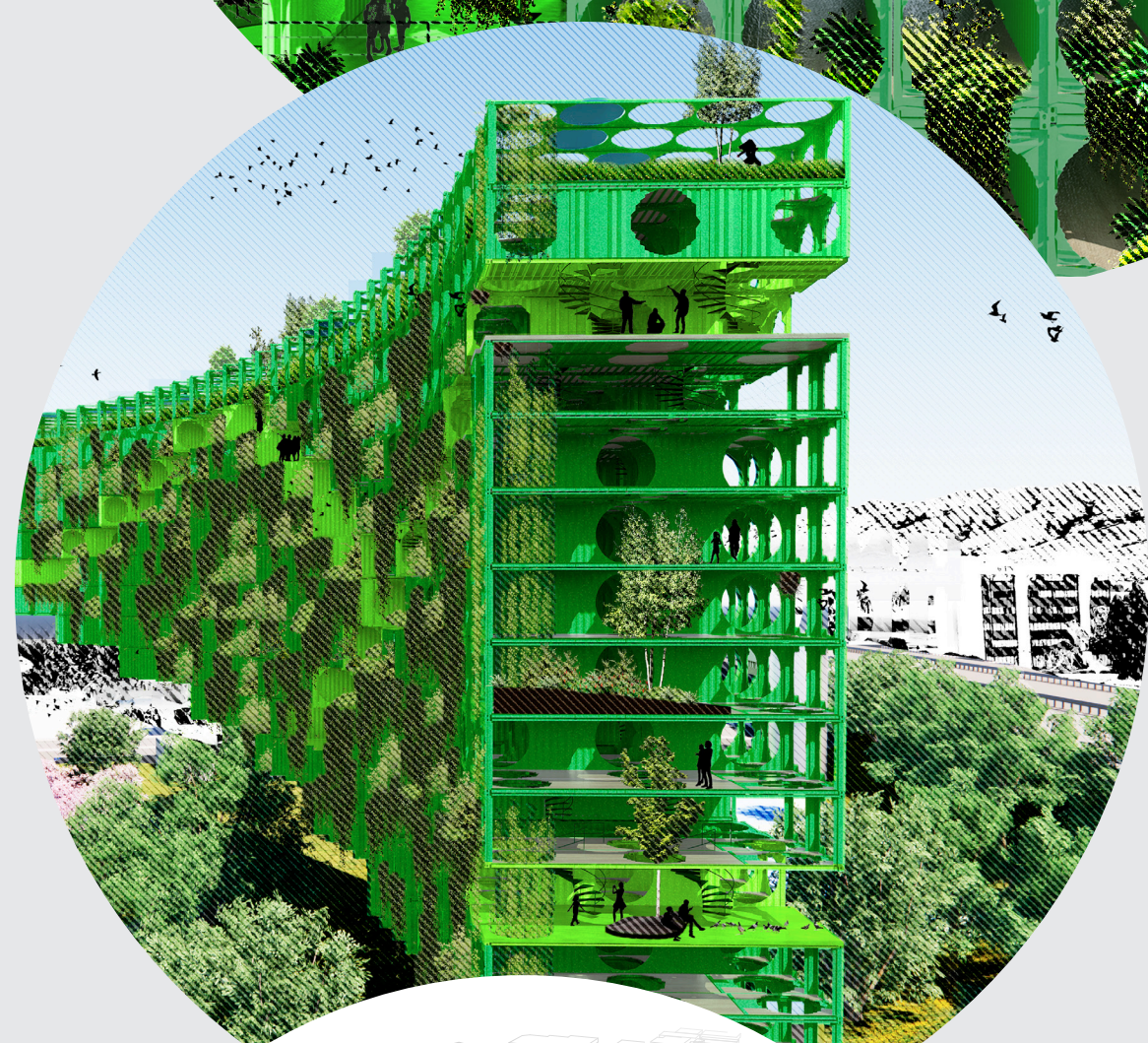
swainson's hawk



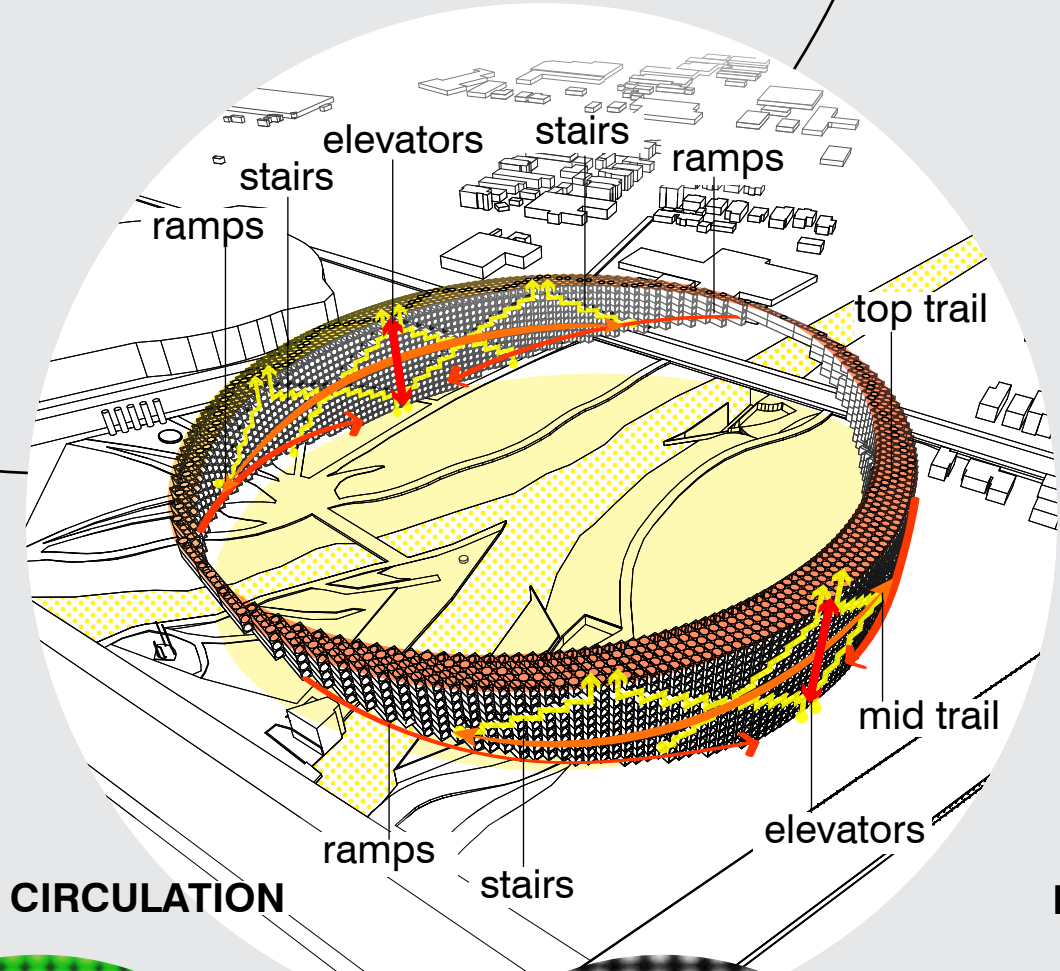
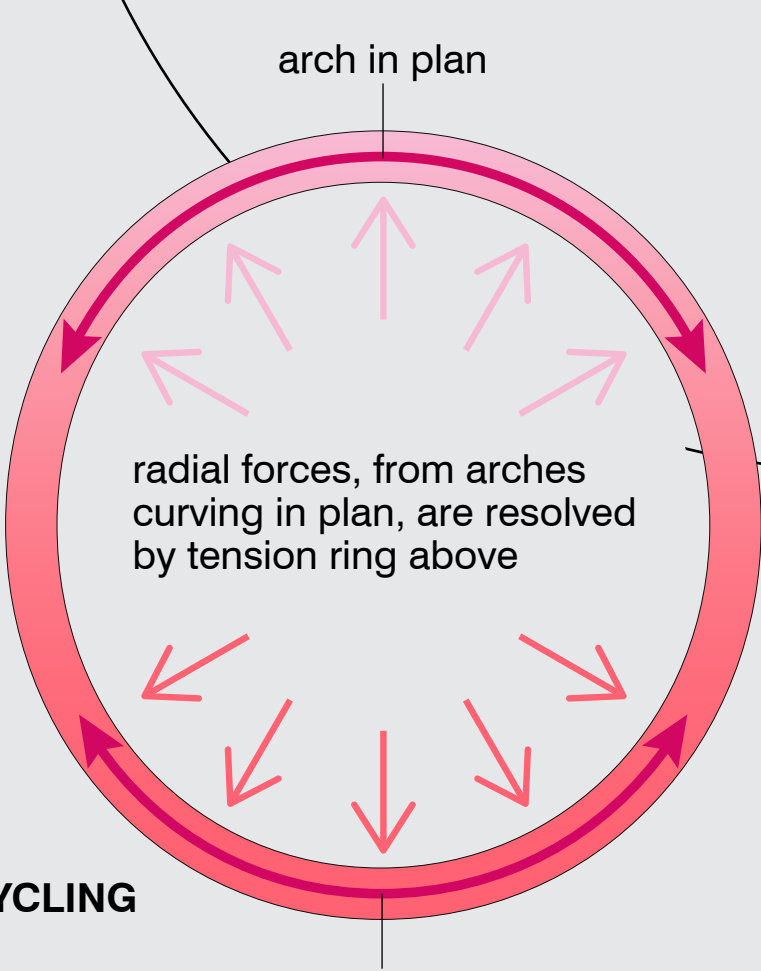
750 perforations along 750 aligned containers become 750 pixels when lit

natural motions recorded within the circle are abstracted on this mindfully low-res screen

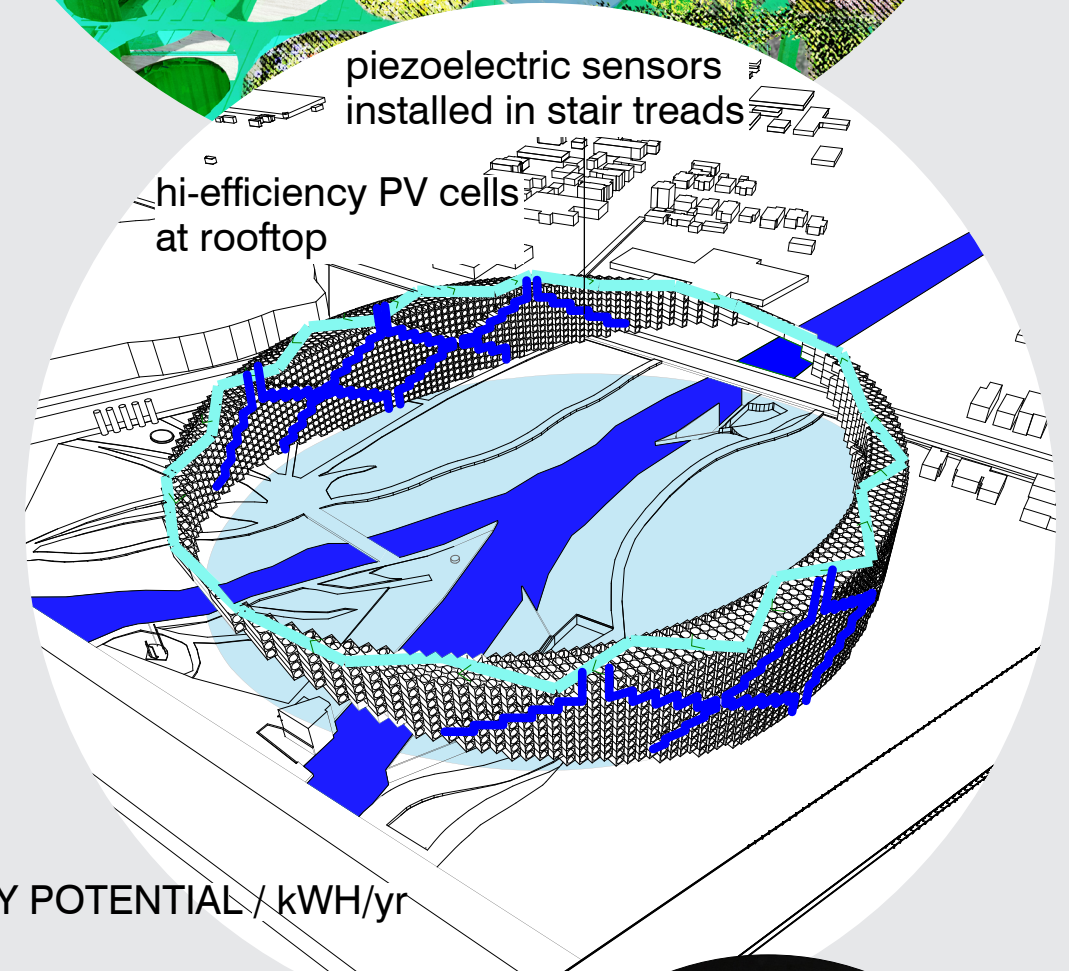
FULL CIRCLE



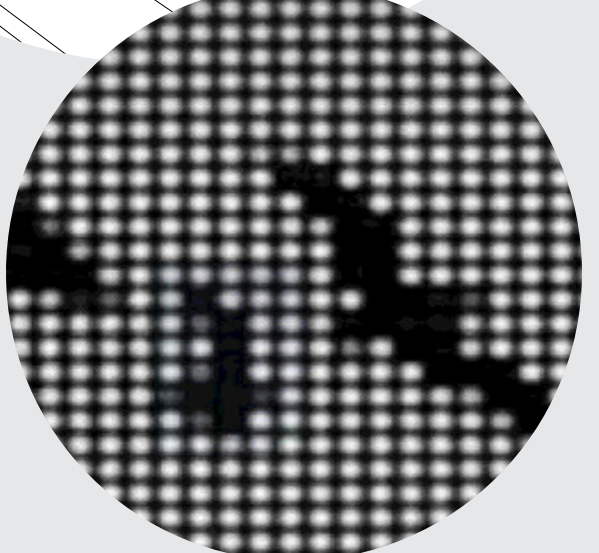
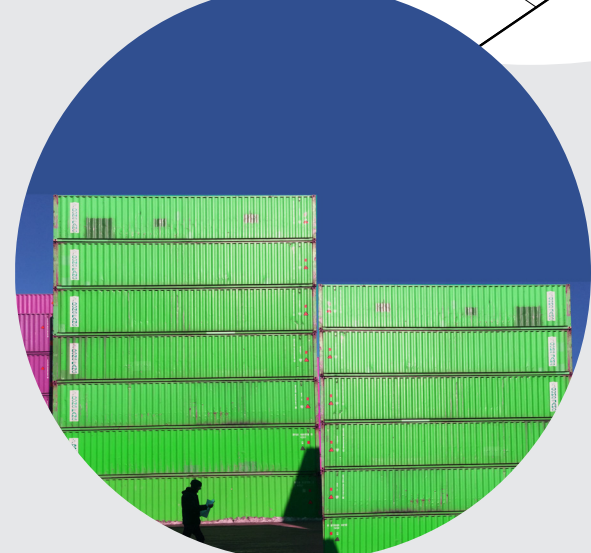
STRUCTURE/UPCYCLING



CIRCULATION



NET ZERO ENERGY POTENTIAL / kWh/yr



display lighting:	32,850
elevators' use:	10,900
amenities (2 cafes):	64,478
other site lighting:	34,493
contingency:	21,408
TOTAL DEMAND:	164,129
hi-efficiency PVs:	297,806 @11,000sf
piezoelectric:	not quantified
TOTAL:	133,677 NET POSITIVE

*data based on preliminary estimates to be confirmed at final design

