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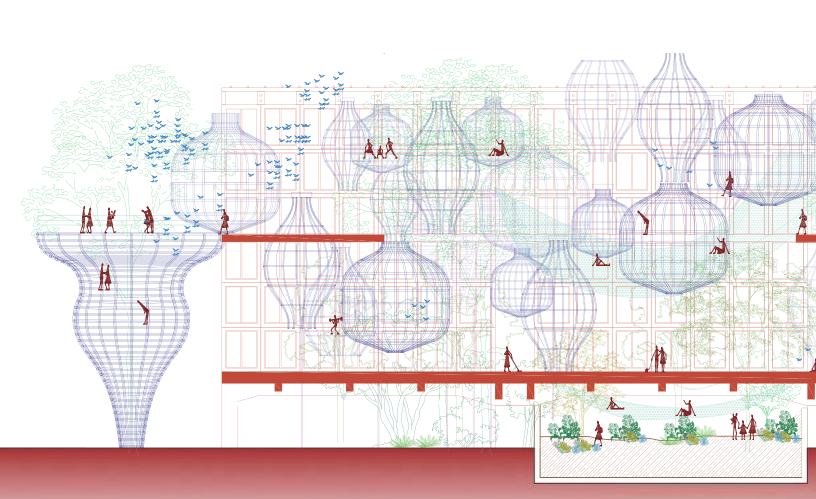
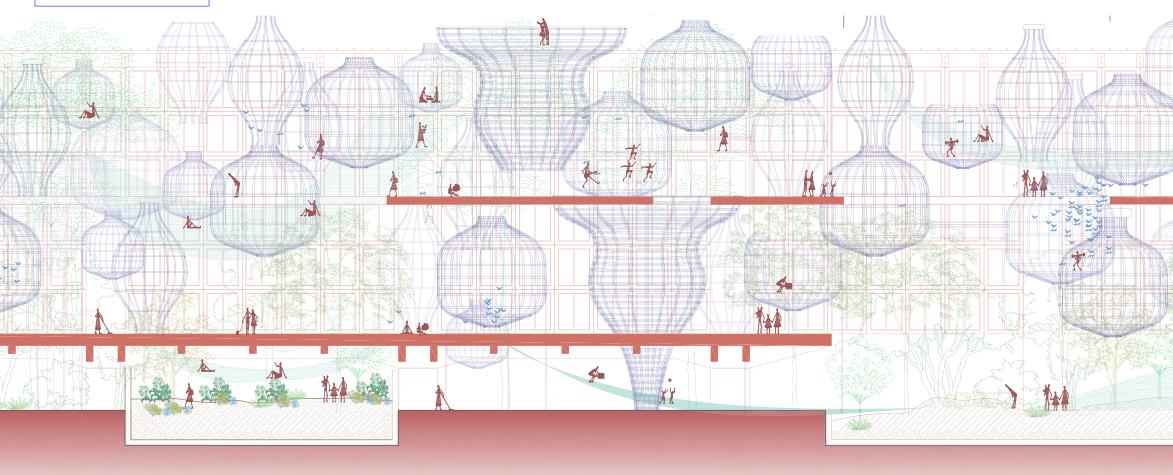


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Advanced Design Studio Teamwork

Role: Hanyin Zhang, Shirin Kakakjhel

Critic: Juan Herreros

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Seafood Market in Hempstead, New York

Advanced Design Studio Teamwork Role: LiLi

Critic: Laura González Fierro

Perch & Dwell # Adaptive Reuse # Housing Crisis # Social Housing # Biodiversity

Crystal Pavilion, Madrid, Spain

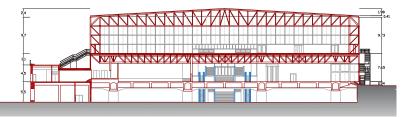
Critic: Juan Herreros

Status: Archived/ Unbuild/ Academic

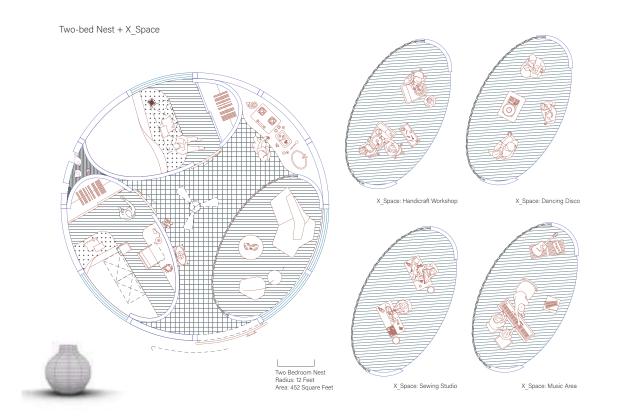


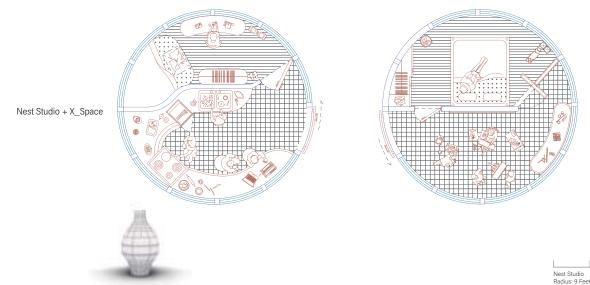
Amid the rigidity of urban concrete, this project reimagines Madrid's Glass Pavilion as a temporary refuge for those displaced by economic crises. Inspired by migratory birds who nest, recharge, and resume flight, we introduce modular treehouse-like units that offer rest, resilience, and reentry into society.

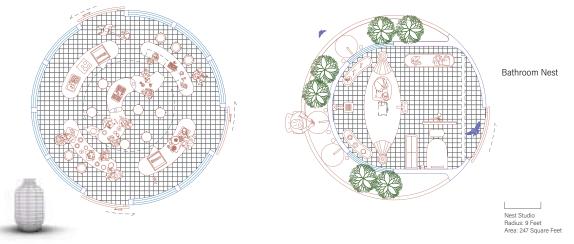
Beyond human shelter, the design enhances biodiversity through nature-based strategies—introducing vegetation, bird-friendly structures, and ecological layering. The pavilion becomes more than housing: it transforms into a living urban canopy, where people, plants, and animals coexist in a shared habitat.

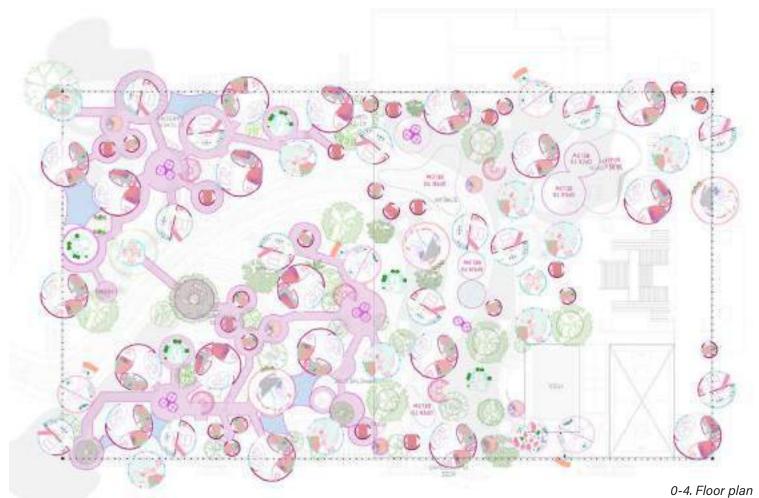


0-2. Exist building section













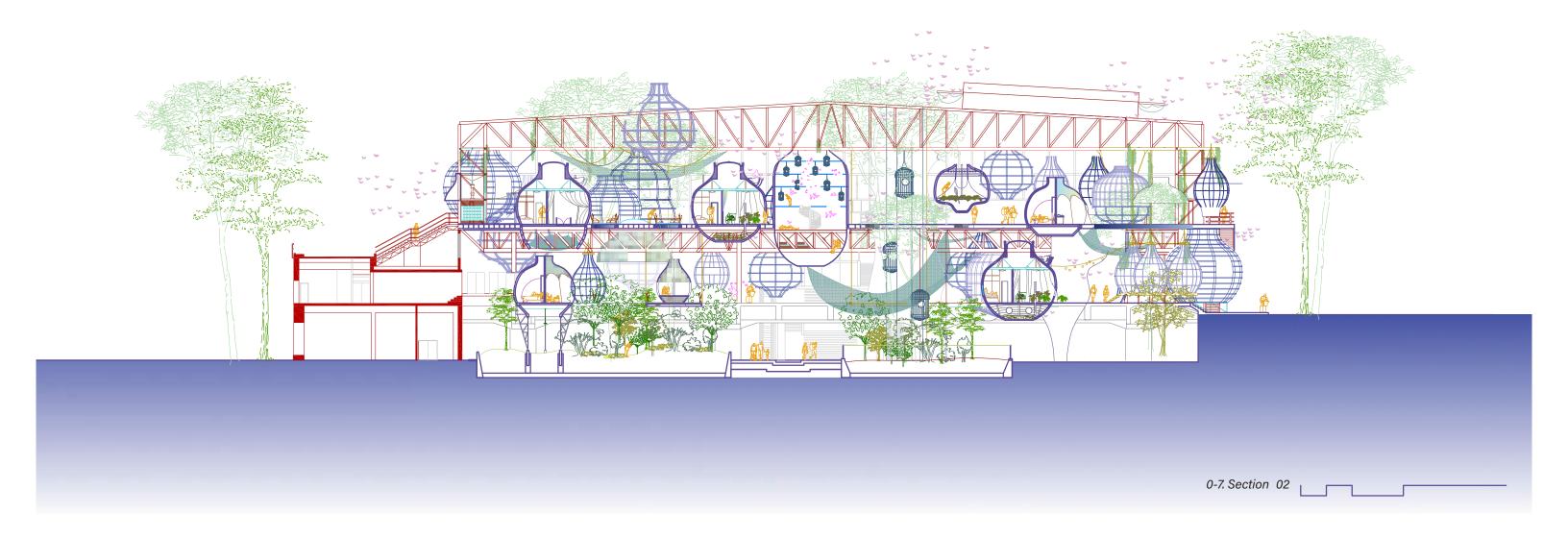
Communal Kitchen Nest + X_Space

The sectional drawings reveal how our proposal transforms the Glass Pavilion's original structural grid into a multi-layered spatial ecosystem. At ground level, a garden-like landscape invites vegetation to grow freely, dissolving the hard boundary between architecture and terrain. Trees pierce through the structure, anchoring the architecture into the forest of Casa de Campo.

Above this forest floor, lantern-like treehouse units float in the pavilion's open volume. These modular units are suspended at staggered heights, reinterpreting the original ceiling height into a system of misaligned levels. This reconfiguration produces a rich topography of overlapping spaces—semi-private terraces, shaded pockets, circulation voids, and collective viewing decks. Vertical movement is supported by elevators, spiral staircases, and suspended net corridors, encouraging residents to explore the building sectionally rather than just in plan.

Birds also become co-inhabitants of this vertical ecosystem. The sectional strategy does not simply house people; it creates a shared, animated canopy—where the flows of humans, animals, and air intersect across height, light, and structure.

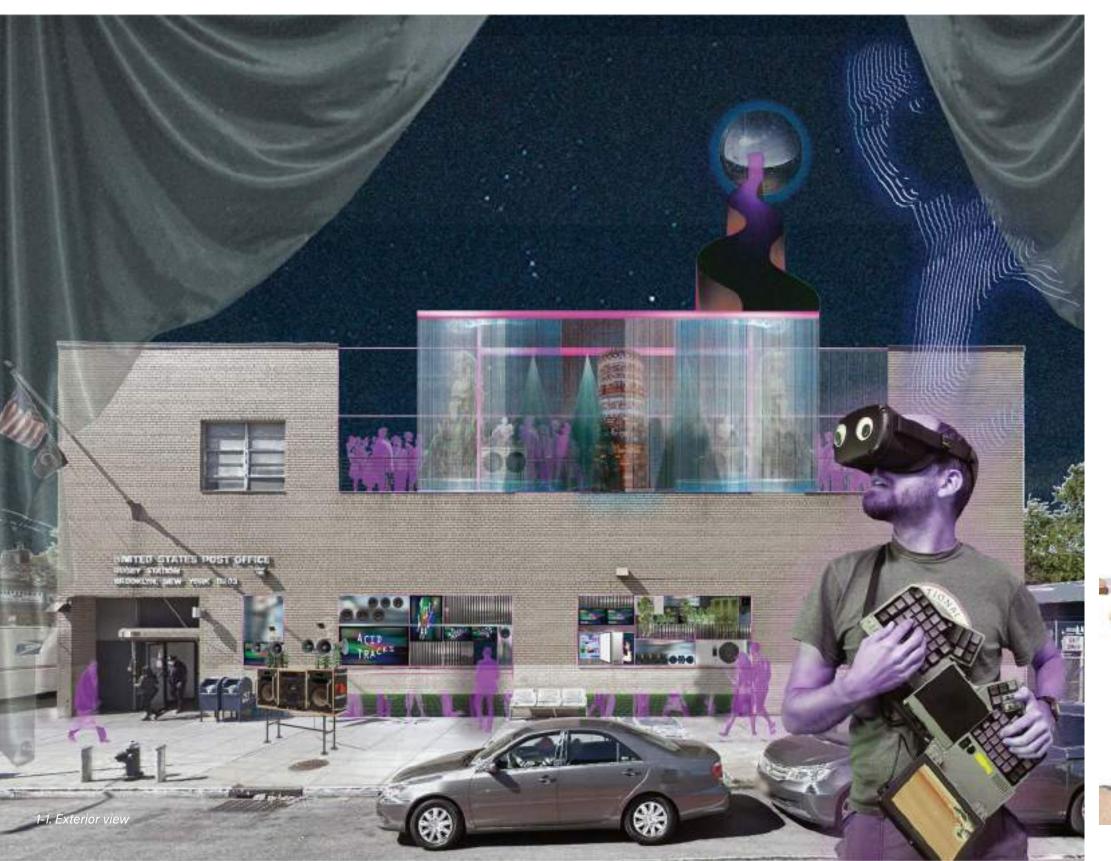




ACID TRACKS #Renovation project #Post Office Renovation #DIY Electronic Music Workshop

Rugby post office, 726 Utica Ave, Brooklyn, New York

Critic: Cyrus Penarroyo + Adelin Chum Status: Archived/ Unbuild/ Academic



"ACID TRACKS" is a multifunctional creative hub transformed from an underutilized Brooklyn post office. Responding to displacement pressures on handmade electronic music communities, the intervention establishes a circular ecosystem—converting e-waste into instruments while integrating food sustainability principles. The design pivots on an innovative track-and-toolbox system embedded in the floor plane.

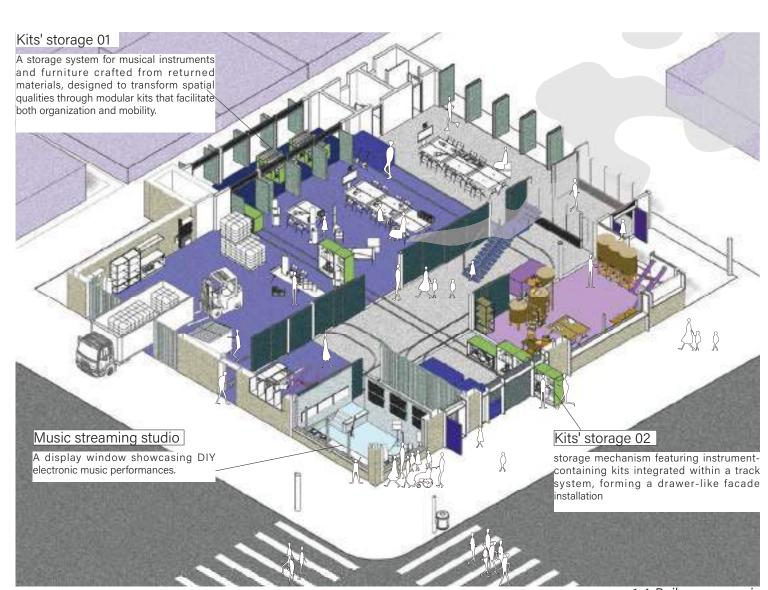
Three specialized mobile modules—instrument fabrication, component disassembly/assembly, and brewing equipment—traverse these channels, extending to the facade as deployable drawer elements.

This mechanism enables community borrowing, transforming the static architectural envelope into a dynamic resource library.

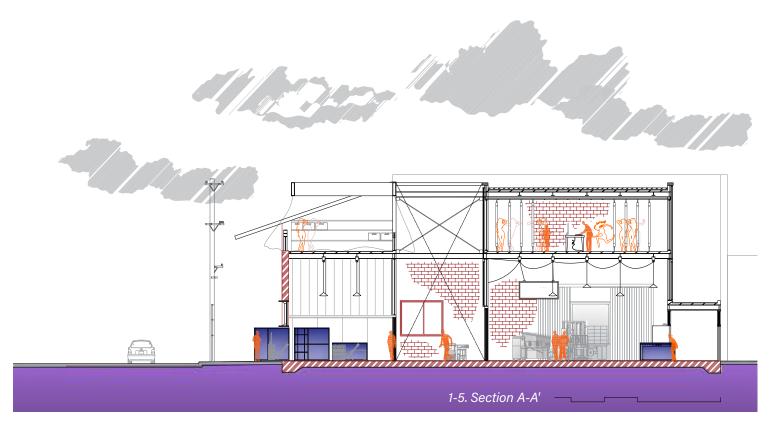
The architecture transcends conventional spatial boundaries, functioning as a mediating device between community creativity and material cycles. By addressing electronic waste and cultural space scarcity simultaneously, ACID TRACKS redefines the building as a shared community infrastructure rather than a fixed container—architecture as enabling platform rather than finite object.







1-4. Daily use scenario



YUMMY GARDEN #Renovation project #Seafood market #Shell-to-Brick workshop

Hempstead Water Works, Hempstead, New York

Critic: Laura González Fierro

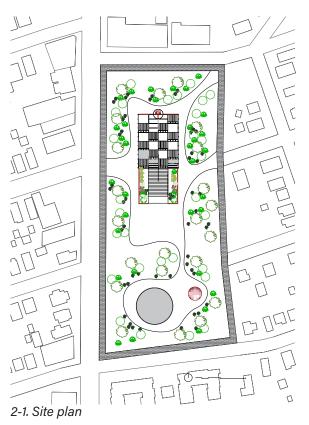
Status: Archived/ Unbuild/ Academic

"YUMMY GARDEN" is an integrated protein supply chain merging renewable energy with aquaculture. Anchored in NYC's offshore wind initiatives, this intervention applies "Energy Democracy" principles—reconfiguring power systems to serve diverse socioeconomic strata. Wind infrastructure transcends utility, becoming a connective medium across community, economic, and cultural domains.

Sited within a decommissioned Hempstead water treatment facility, the design repurposes sunken purification basins into a bifurcated program: seafood marketplace and oyster shell brick fabrication workshop. An undulating canopy provides environmental shelter while harvesting precipitation for operational needs.

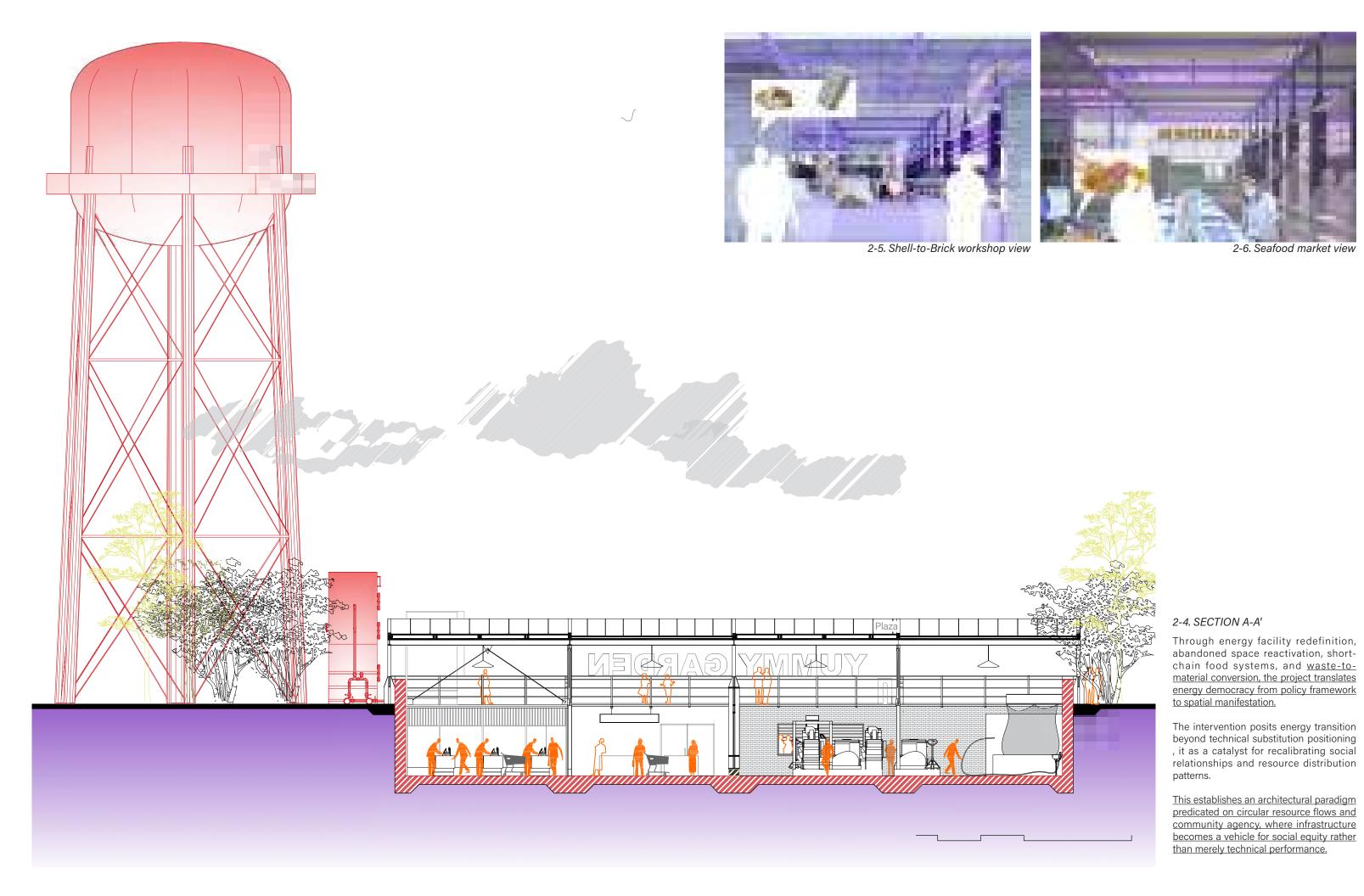
The scheme proposes wind turbine foundations as aquaculture platforms, delivering affordable protein sources to Hempstead—Long Island's most economically challenged municipality—while transforming industrial heritage into an experimental adaptive reuse laboratory.

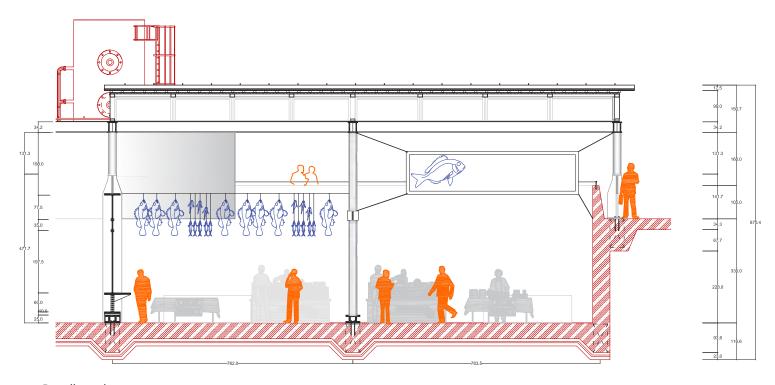
The intervention embodies three conceptual principles: infrastructure redefinition, converting mono-functional systems into multi-valent social assets; social resilience construction, synthesizing energy production, food systems, and community economics; and spatial narrative continuity, extending site memory rather than imposing historical erasure.











2-7. Detail section



