



CONSTRUCTED LANDSCAP

SPATIAL (DE)CONSTRUCTION / AXIOMATIC STRUCTURES

ARCHITECTURAL PAVILIONS

TECTONIC STRUCTURES  
Untitled (Styrofoam Cups)  
→ 158

Branching Morphogenesis  
→ 180

INHABITABLE SCULPTURE

SPATIAL DISTORTIONS

PERCEPTUAL DEVICES / INTERACTIVE

CHROMATIC / GRAPHIC IMMERSION

PROGRAMMED SURFACES

OCCUPIABLE TERRAIN

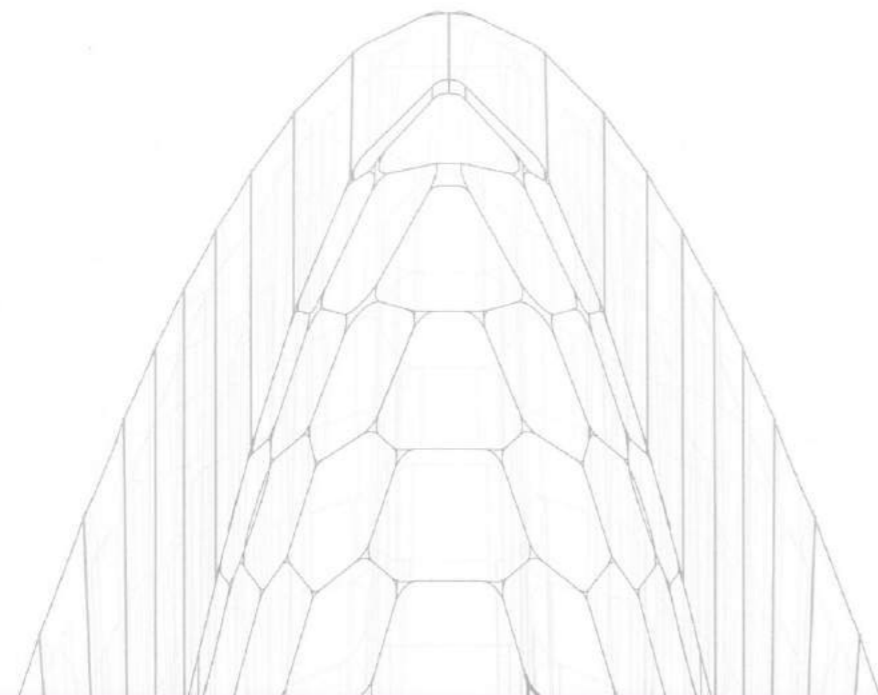
SCULPTURAL TERRITORIES

EARTHWORKS / LAND ART

ARTIFICIAL SITES

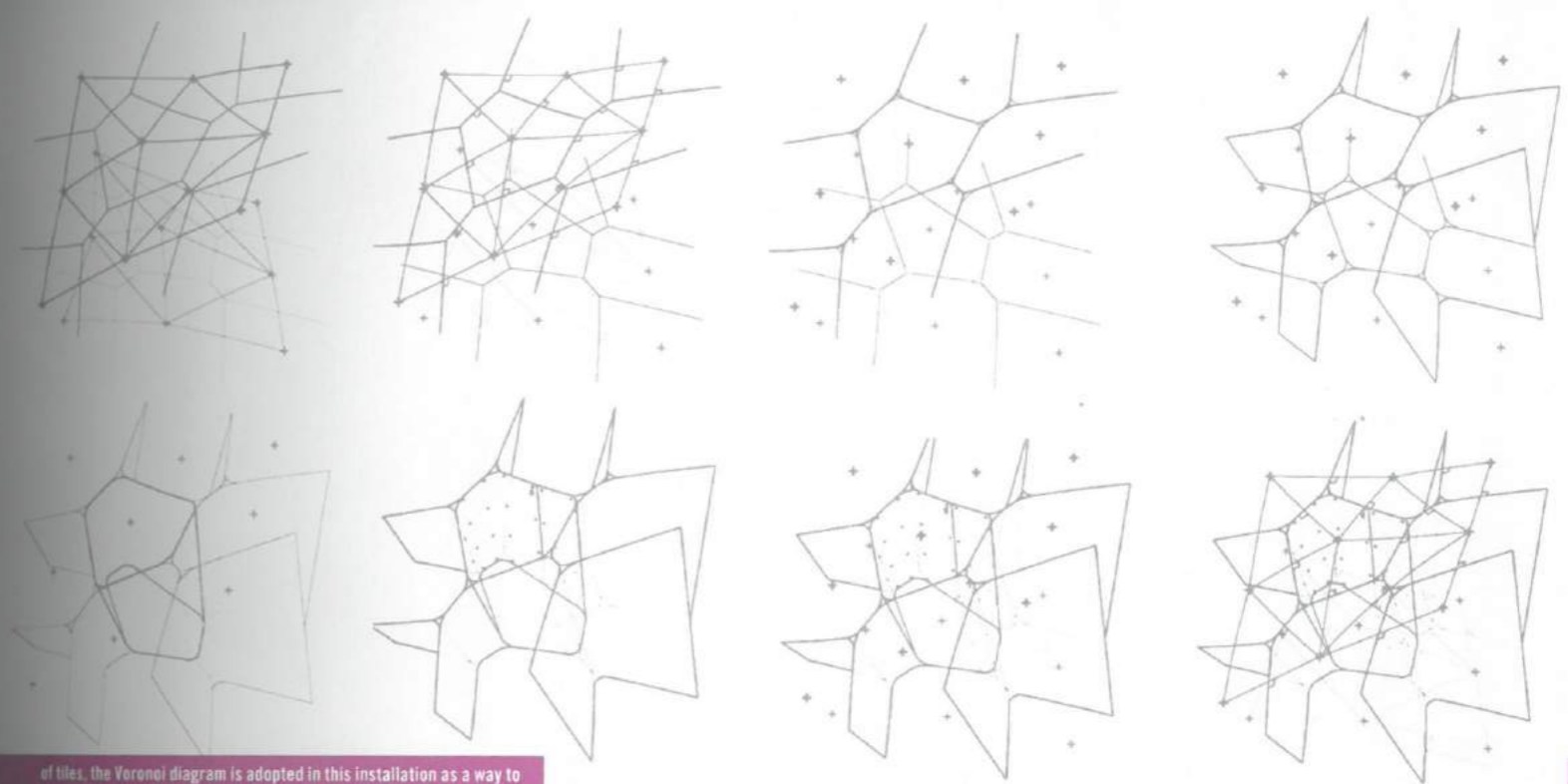
Voroduo : Office dA



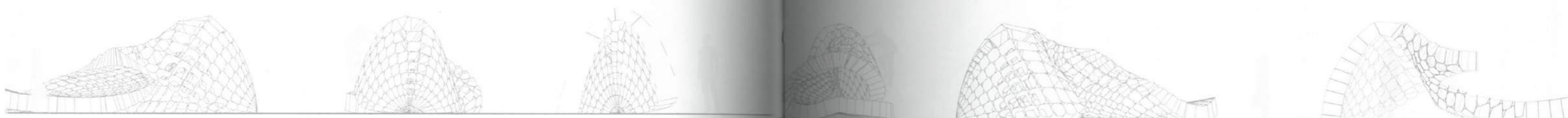
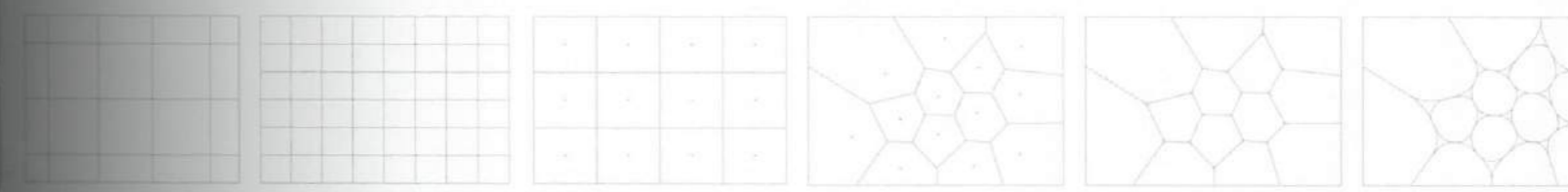
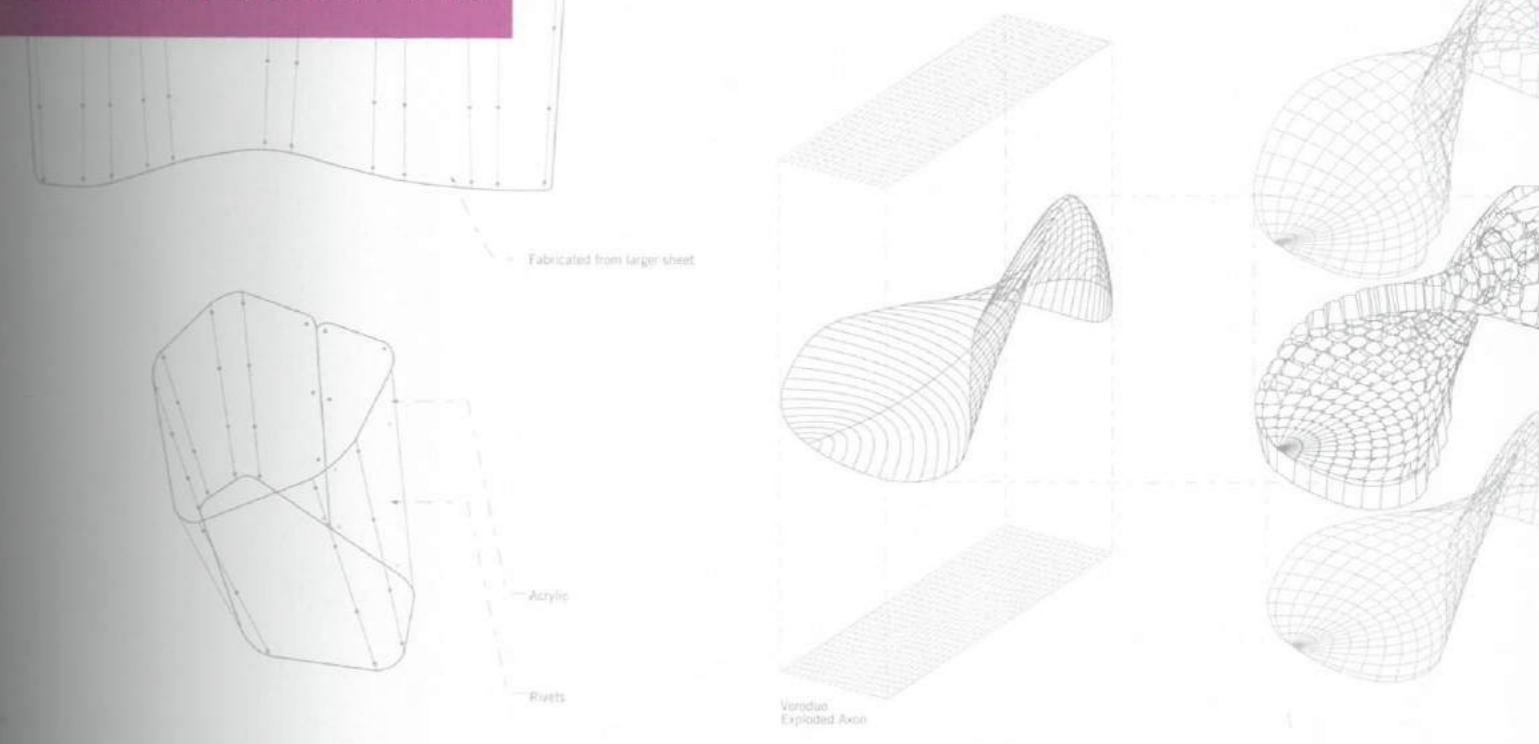
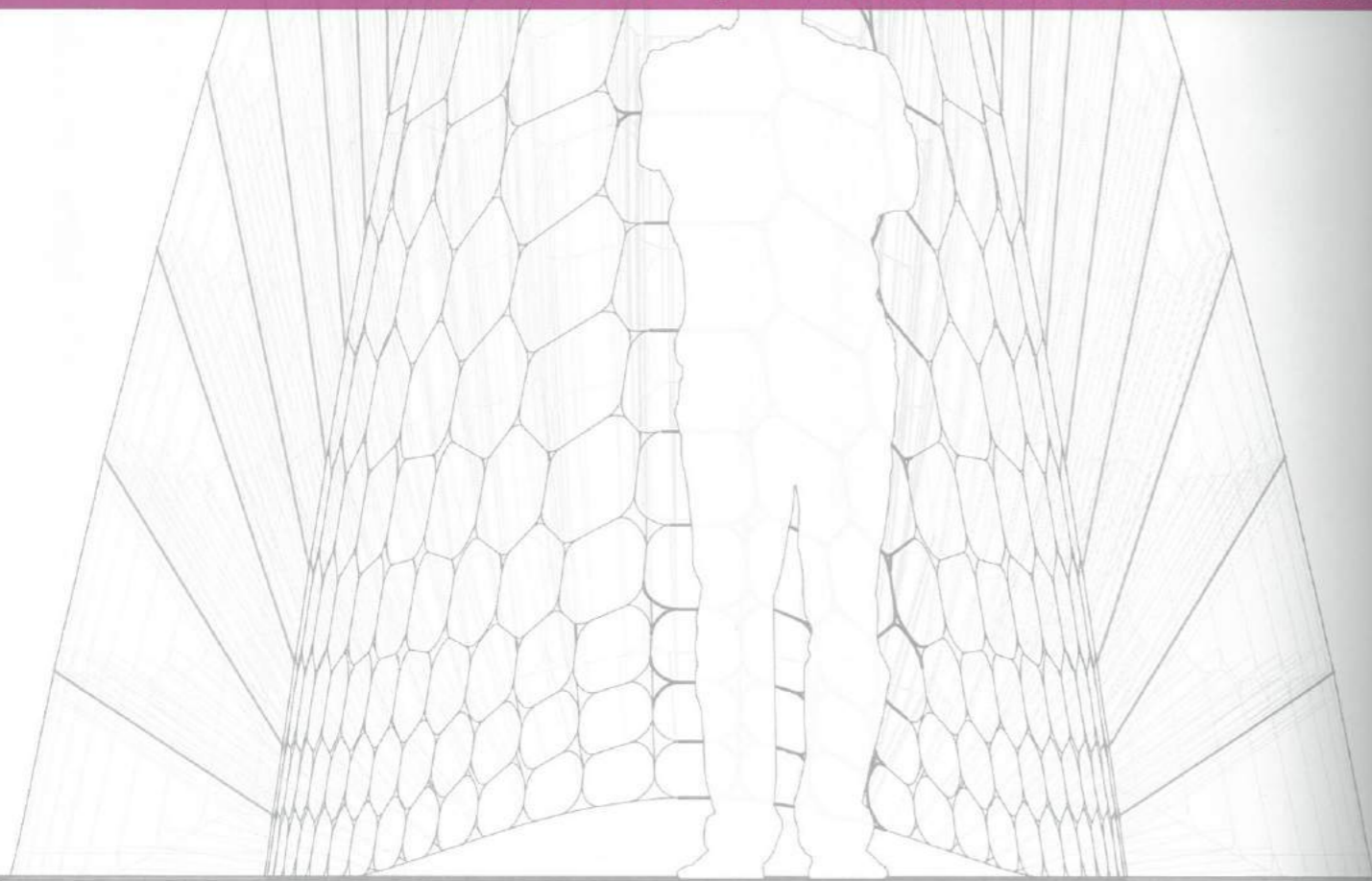


*Voroduo* is an installation that is conceptually identical to *Voromuro*. However, it was built to correct the conceptual and structural failures of its antecedent. A colossal construction comprised of hundreds of interlocking acrylic cells, the work responds to its context like an animate object twisting back onto itself while pulling the public around the piece. The coffered arrangement of cells establishes a

keystone-like conical relationship to a point in space, such that the vault does not collapse. Fashioned around a planimetric geometry that is a figure 8, the installation is divided in two halves—one as a dome in compression, and the other as a bowl in tension. *Voroduo* also examines the relationship between the module of construction and the whole. Rather than the more traditional stacking of bricks or arraying



of tiles, the Voronoi diagram is adopted in this installation as a way to radicalize the aggregation by organizing its units in a varied and flexible way. As such, the organization of its plastic cells is able to react to different architectural conditions as the cells vary in shape, size, and direction in response to changing forces, loads, and stresses.







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INHABITABLE SCULPTURE



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Voromuro : Office dA

5A

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**SR** TECTONIC STRUCTURES

The Voronoi diagram is adopted in this installation due to its ability to establish reciprocity between its parametric and structural qualities. Located within the Powder Magazine on Georges Island, the acrylic installation is conceived as a structural skin that appears to the eye only after its retina adjusts to the darkness. The form of *Voromuro* is generated from a preoccupation with structural shapes. Com-

posed of two distinct structural systems—surface active and form active—the geometry of the installation unfolds seamlessly from an undulating wall to a vaulted dome, escaping traditional forms of typological classification. If conventional fabrication is based on material units—bricks or tiles—then the Voronoi offers a way to organize a cellular arrangement according to variable units that are

the result of the dimensional and geographic particularities of the installation, specifically, the cellular organization that operates like structural coffering, yet finds a way to adapt to the varied tectonic requirements of ground, wall, arch, and dome. The cells are mass customized, ranging from cylindrical, to cubic and polyhedral conditions, helping the form to arrive at structural stasis.

Voromuro : Office dA

