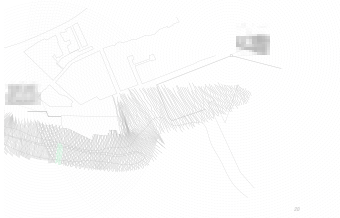
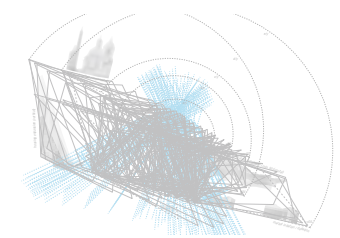
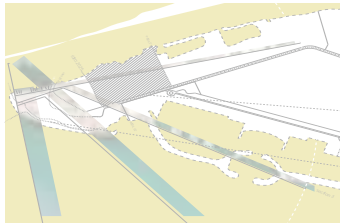


*“il punto, la linea, e il piano:  
arte povera // museumification // and the notion of*  
Henry Cheung



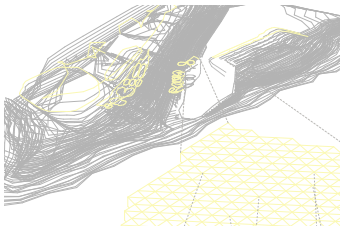
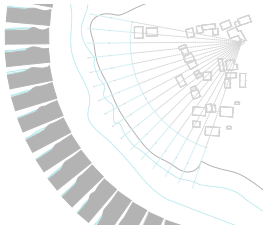
*“Fringe Urbanism”*  
Nathan York

*“Chronometric Devices:  
Post // Net // Catch”*  
Sheena Casamassima

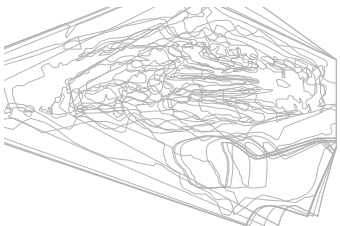


*“Visible City:  
Invisible Life”*  
Amr Basuony

*“Trivium Mercato d’Idroscalo”*  
Joey Miller

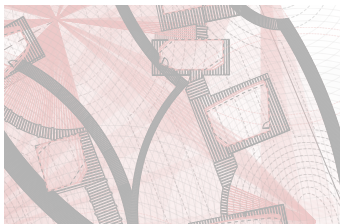
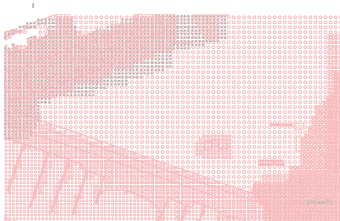


*“Chrono + Logics”*  
Ahmed Shokir



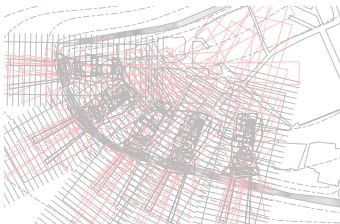
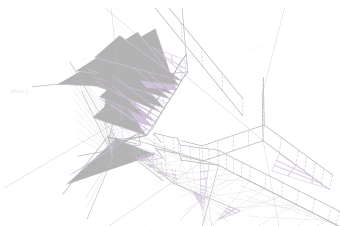
*“Habitat Rotazione”*  
Martin Garcia

*“Urban Swell:  
with the notion that idroscalo is about to vanish”*  
Pamas Moleeratanond



*“The Proliferating City”*  
Kristine Edinchikyan

*“Balancing the EDGE”*  
Roosevelt Golino



*“Public House”*  
Jeff Moro

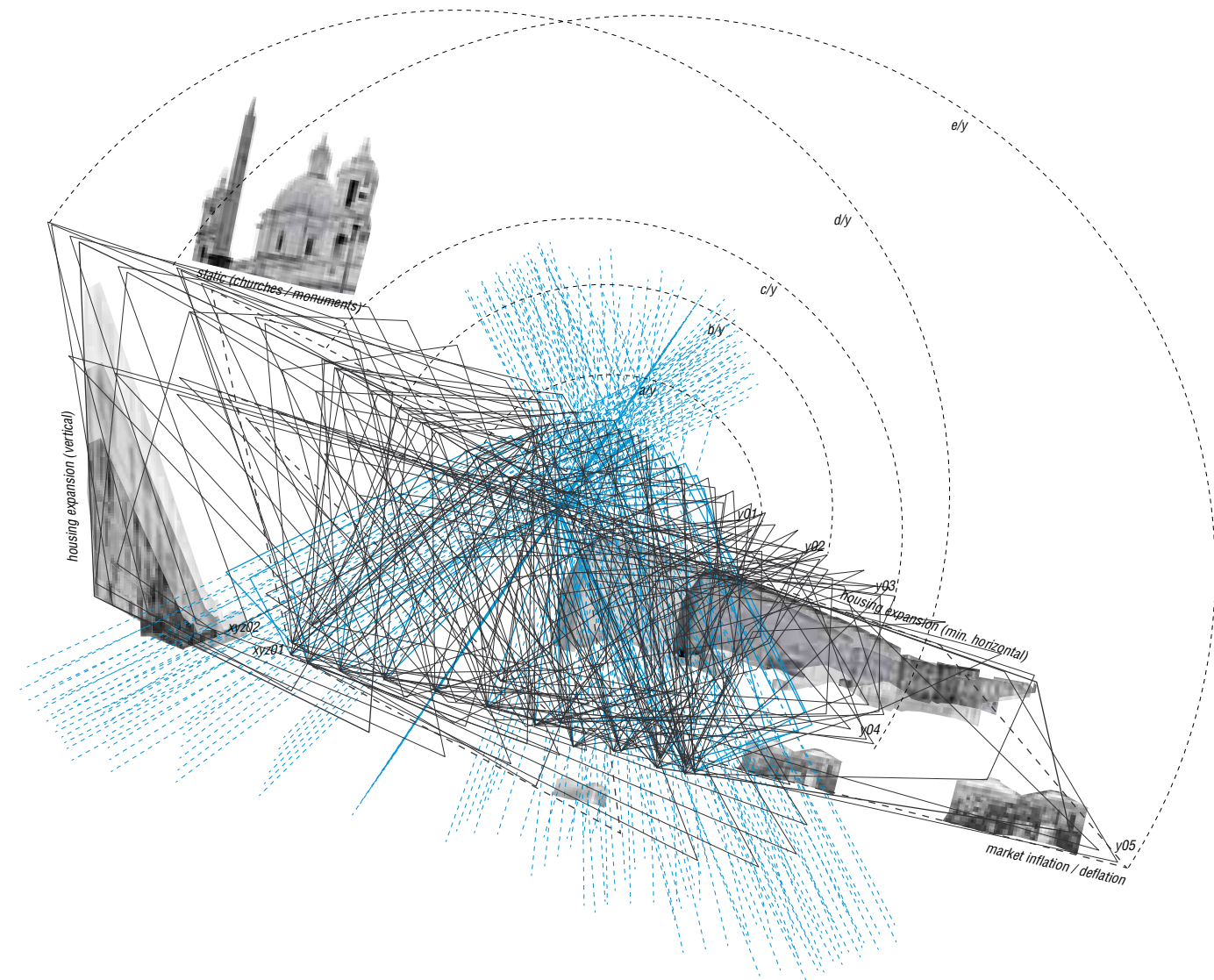


*“il punto, la linea, e il piano:  
arte povera // museumification // and the notion of preservation”*

Henry Cheung

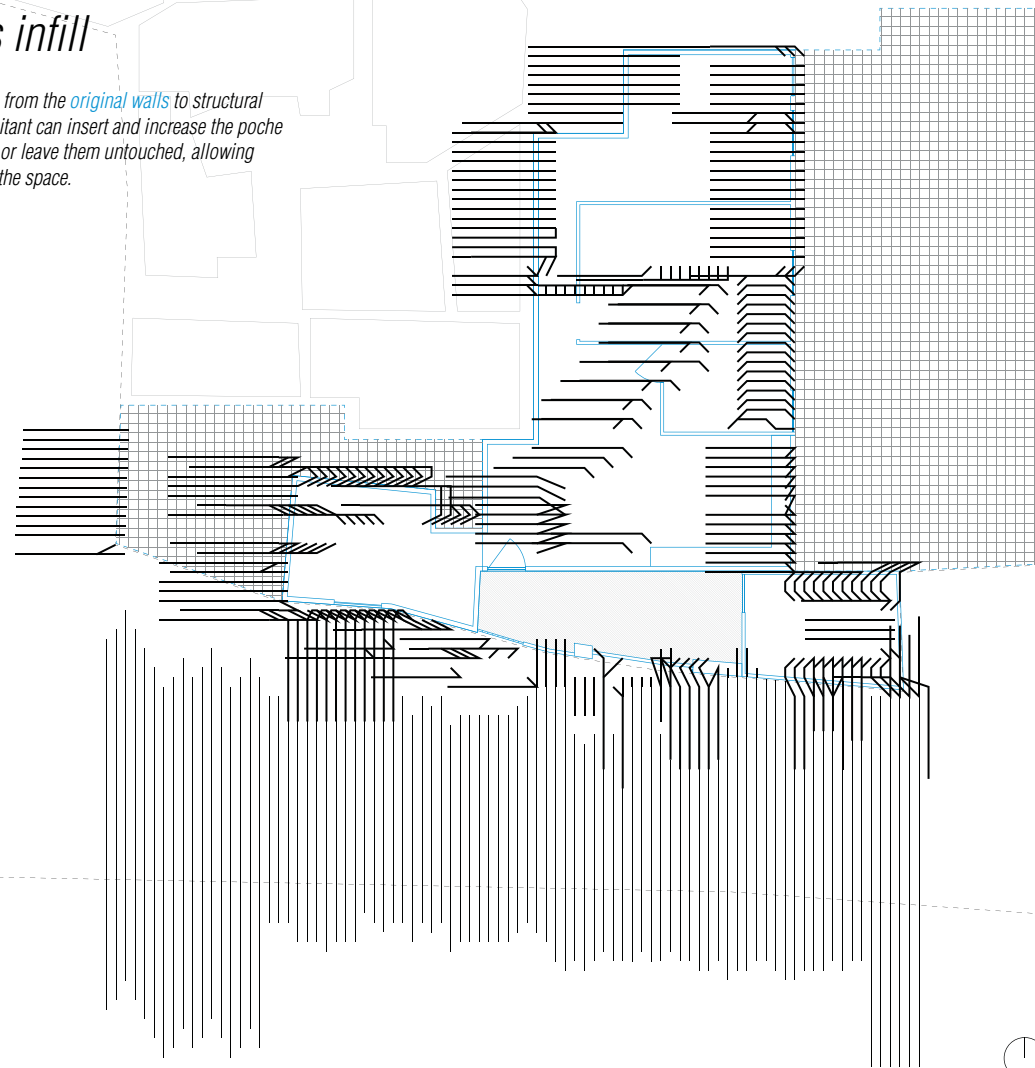
*rione v*  
 ponte diagram // as a generator

The rione diagram can directly influence a piazza by generating new forms through distortion, elongation, and expansion.



## the poche // as infill

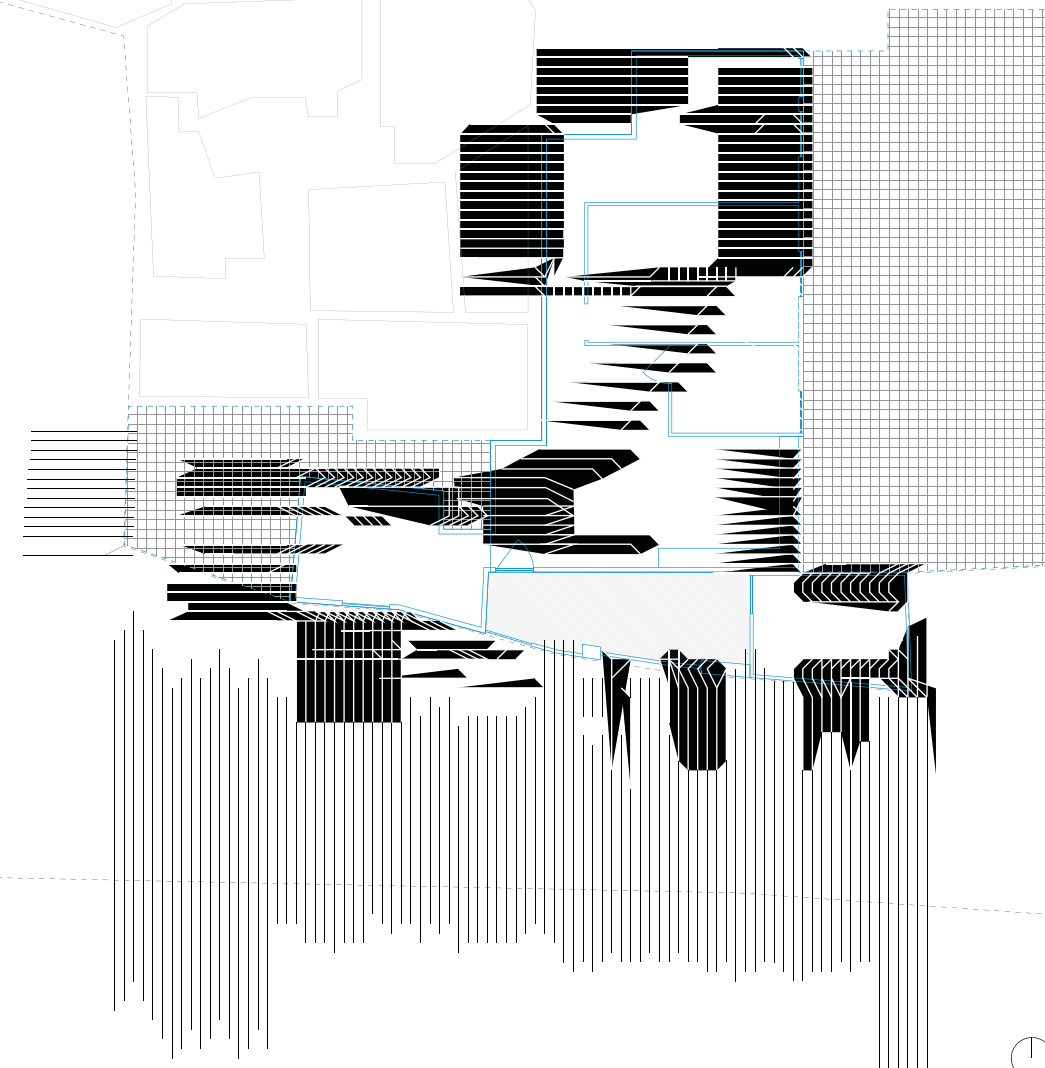
The poche of the house transitions from the *original walls* to structural pipes to infill. Over time, the inhabitant can insert and increase the poche between these structural members or leave them untouched, allowing light, air, and nature to penetrate the space.



poche diagram 001  
structural members 2012 + original house



0' 8' 10' 20' ft

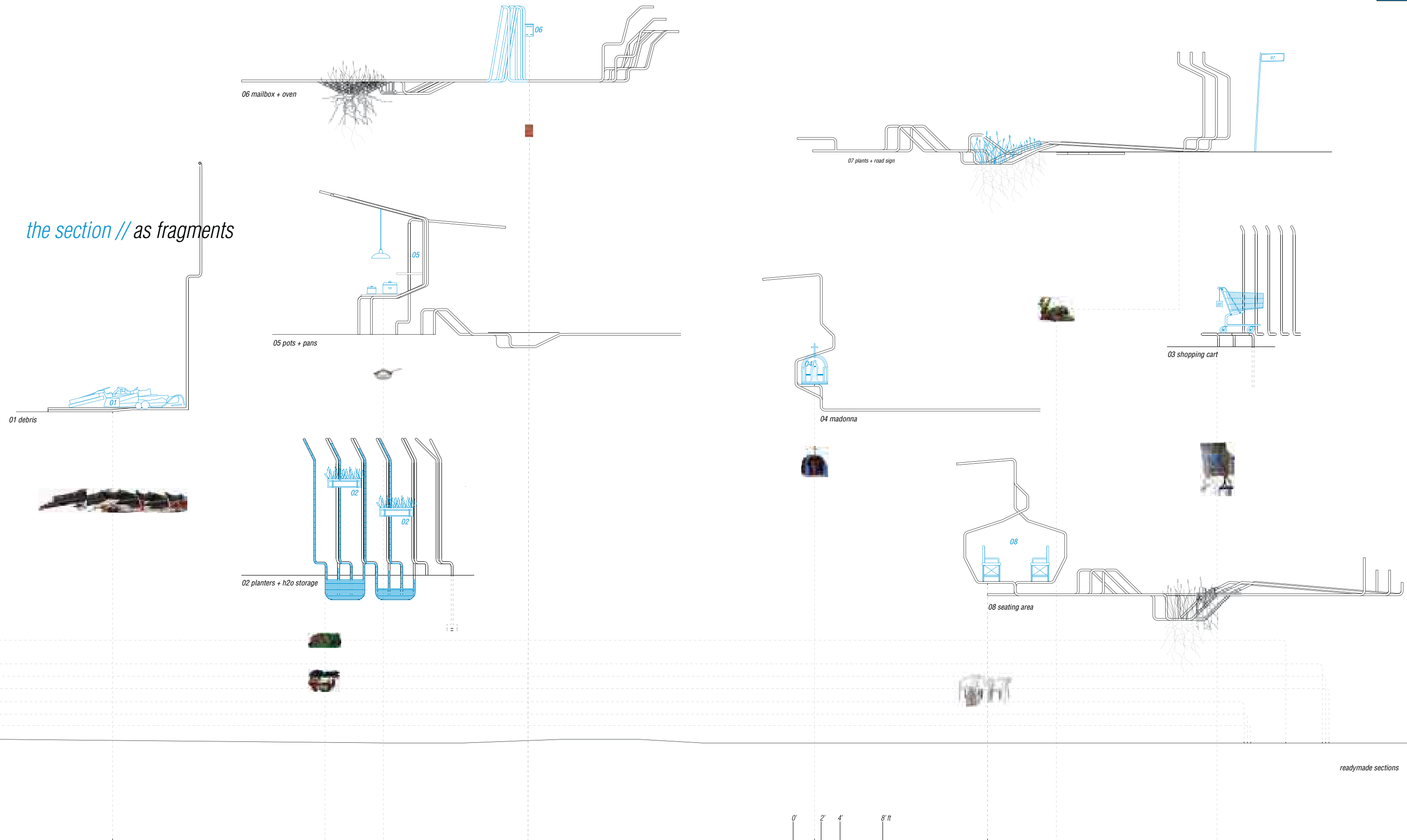


poche diagram 002  
infill between members 2050 + original house



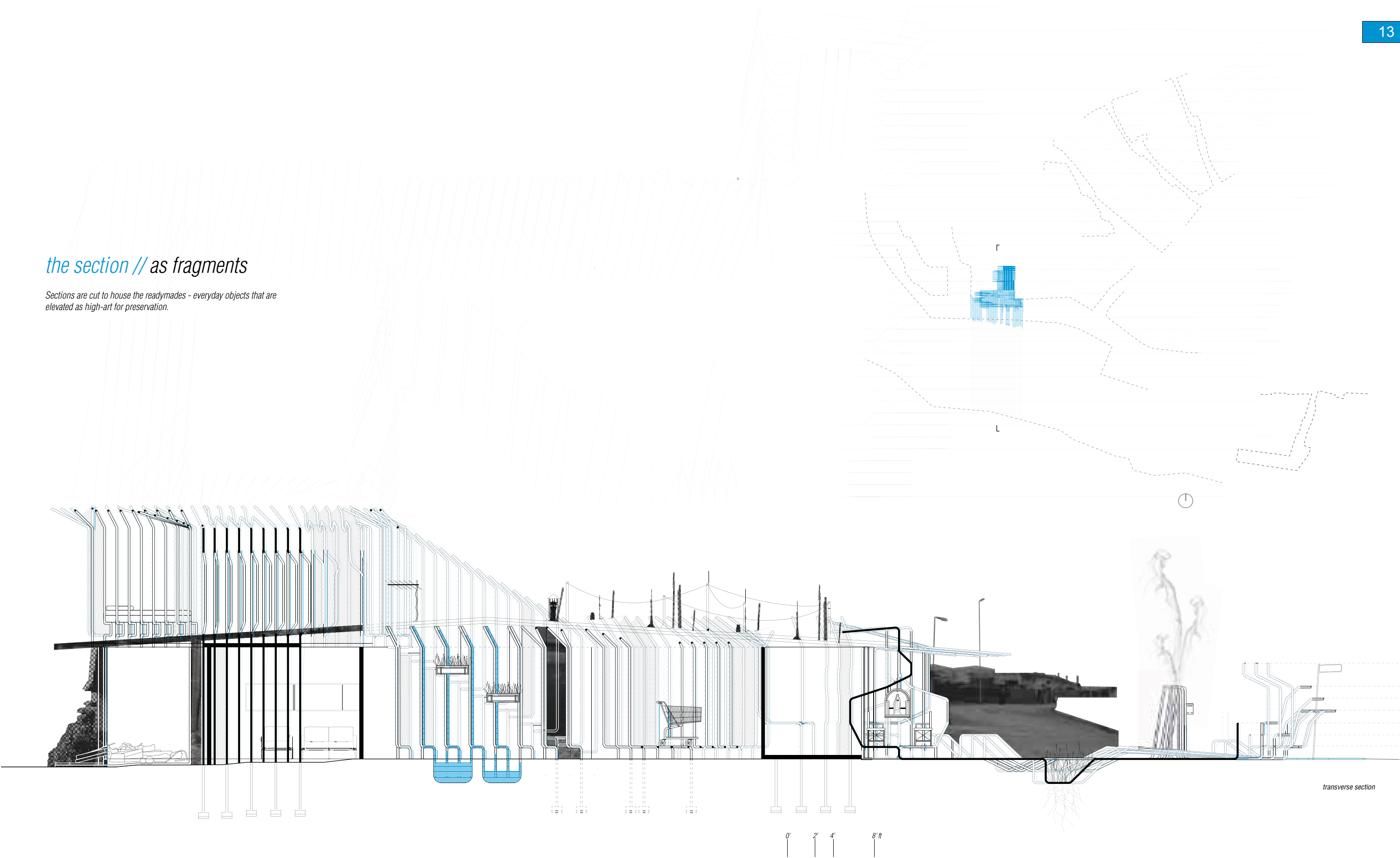


*the section // as fragments*

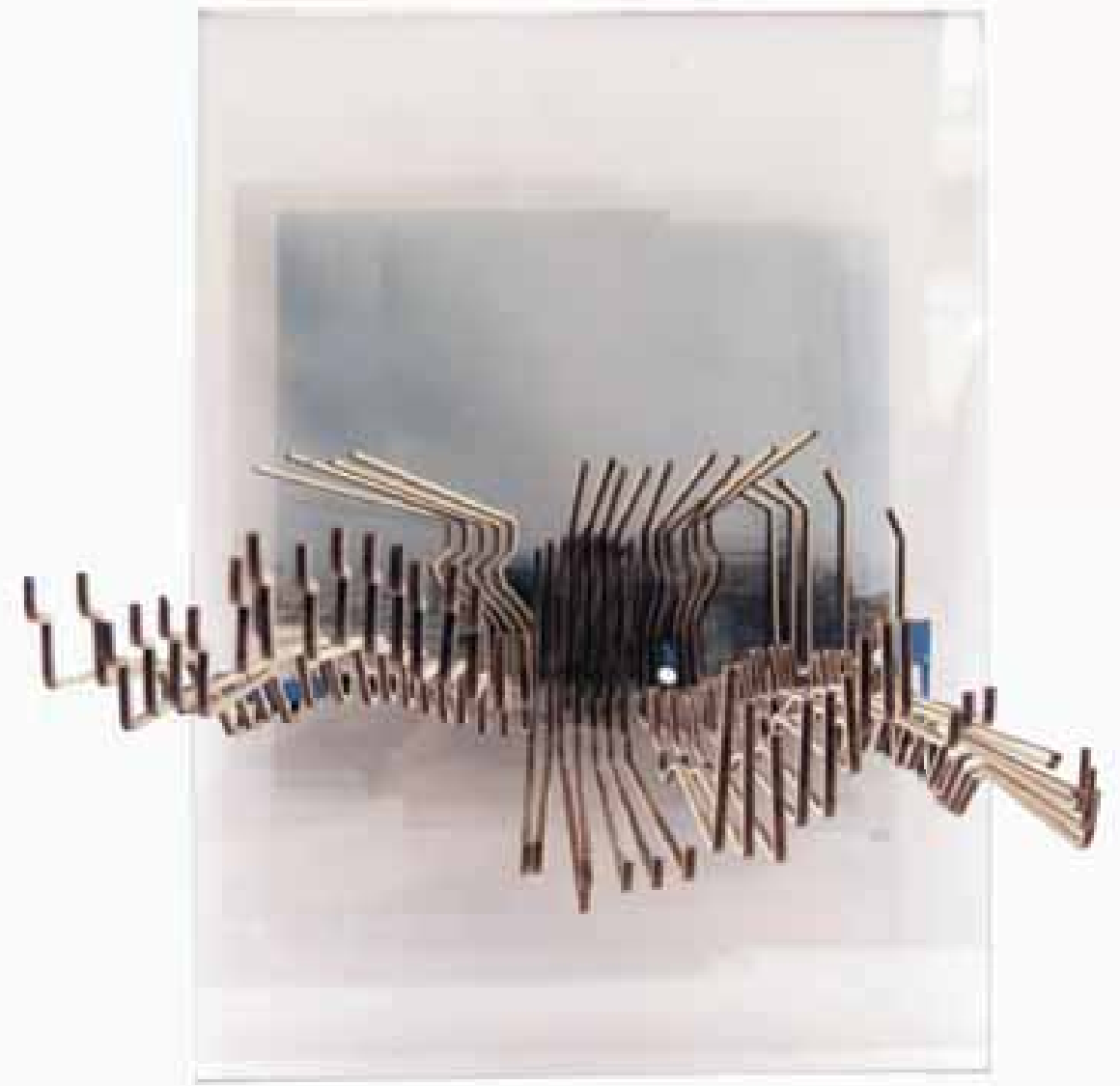


*the section // as fragments*

*Sections are cut to house the readymades - everyday objects that are elevated as high-art for preservation.*



transverse section

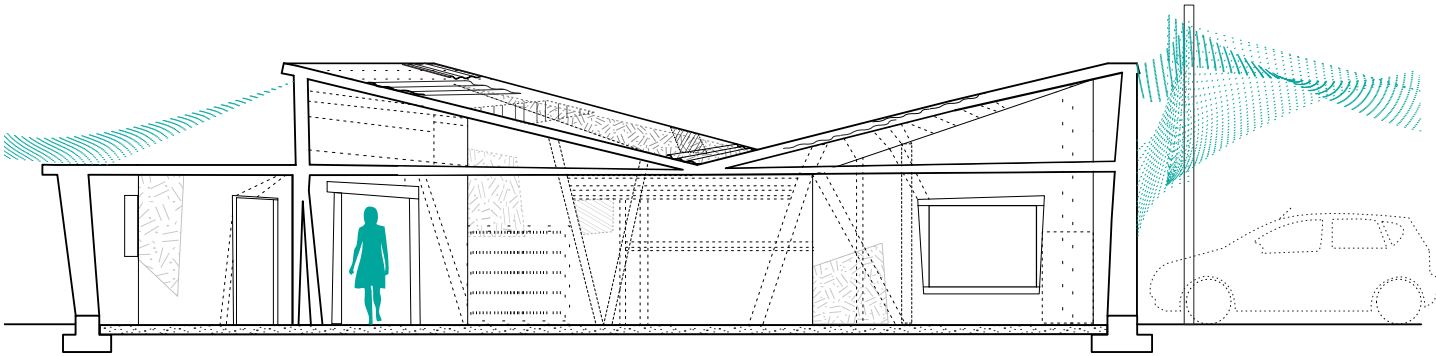




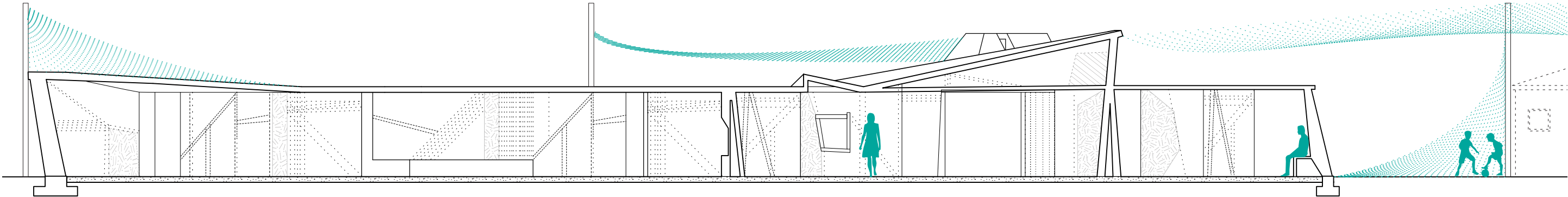
*“Chronometric Devices:  
Post // Net // Catch”*

Sheena Casamassima



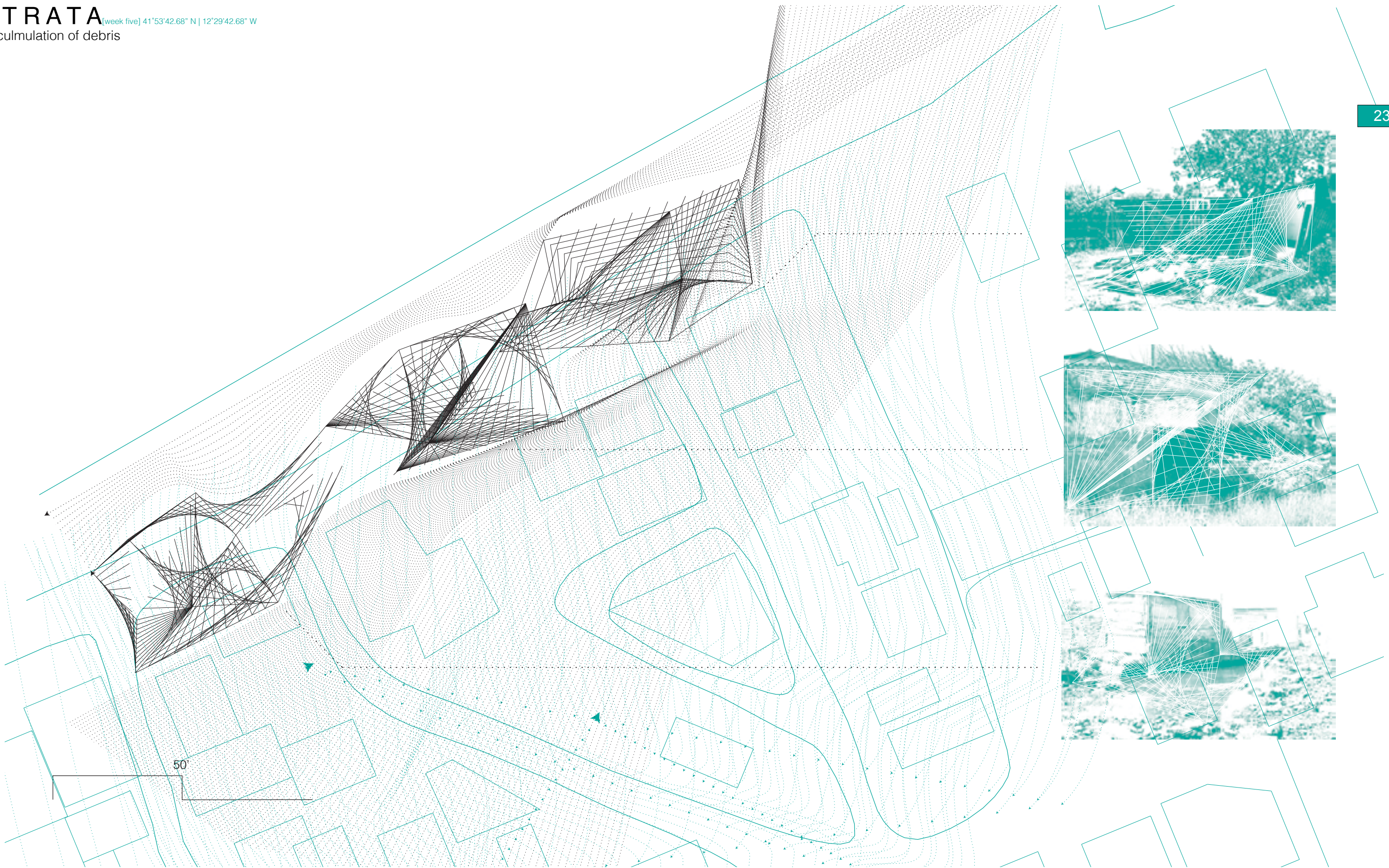


Section | a

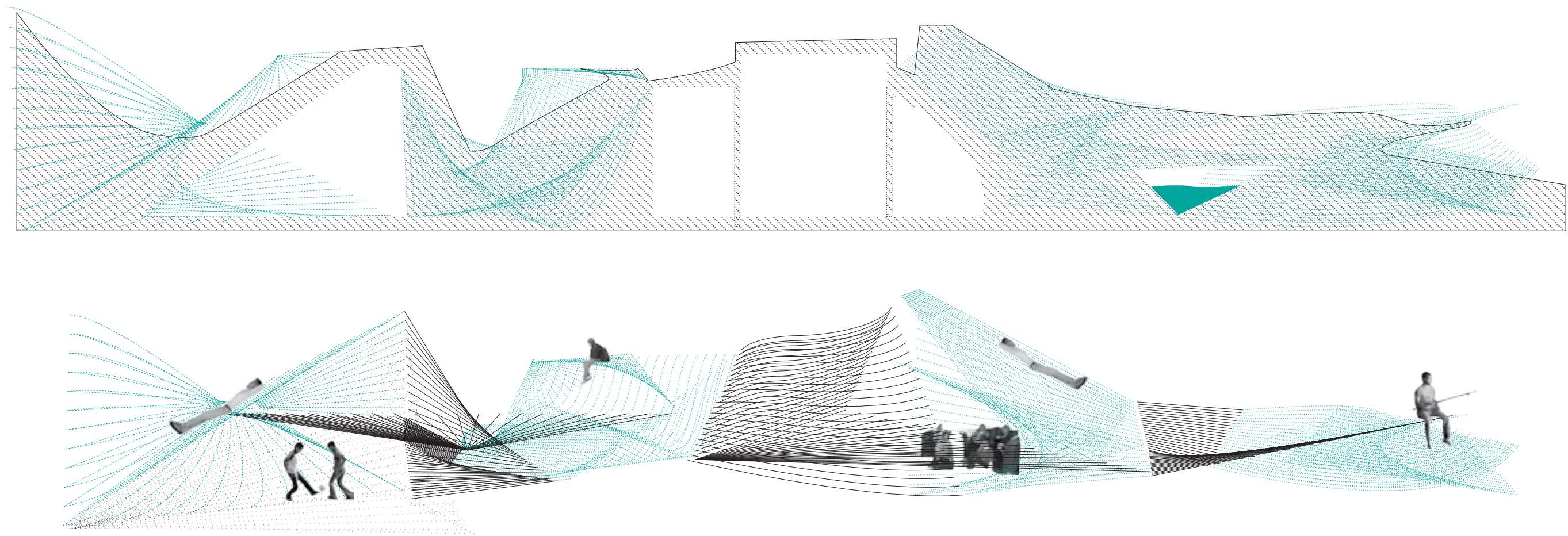


Section | b









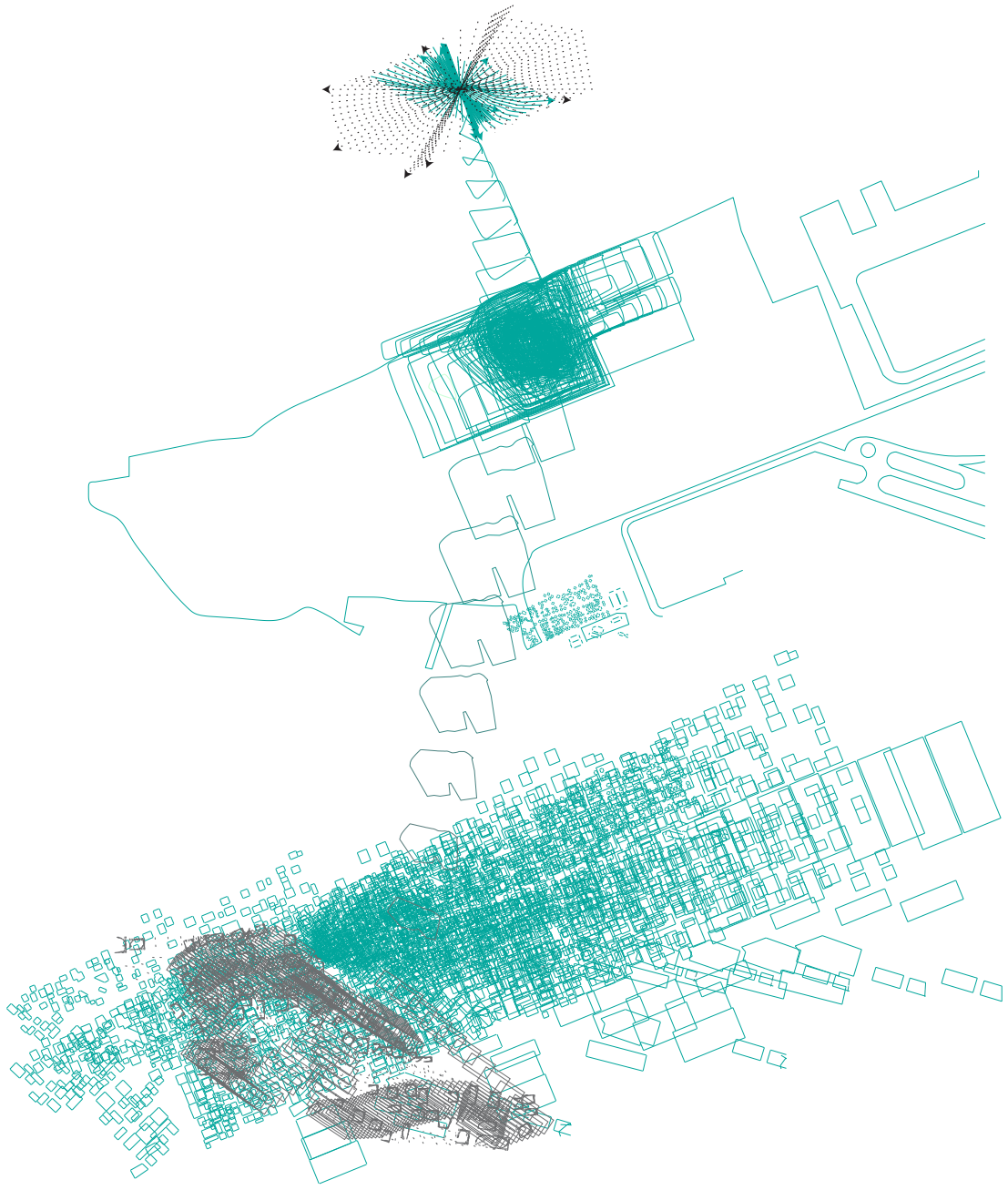
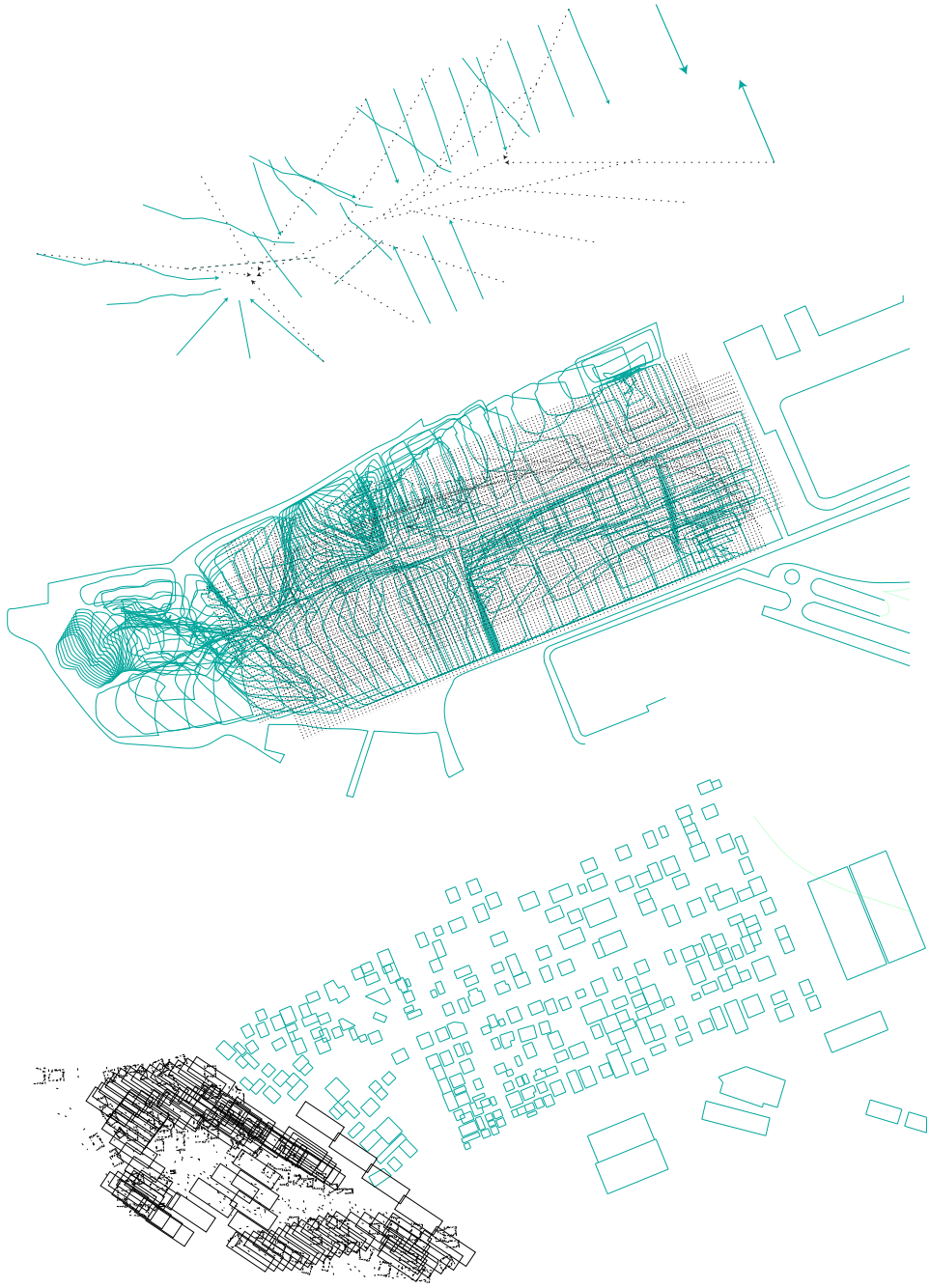
STRATA<sub>[week one] 34°12'30.98" N | 118°20'28.31" W</sub>

Idroscalo's interior water movement is based on its topography and built environment. Mapping the water movement choreographically allows us to project future effects on the village and work within the organic its natural form.

water movement

roads

structure

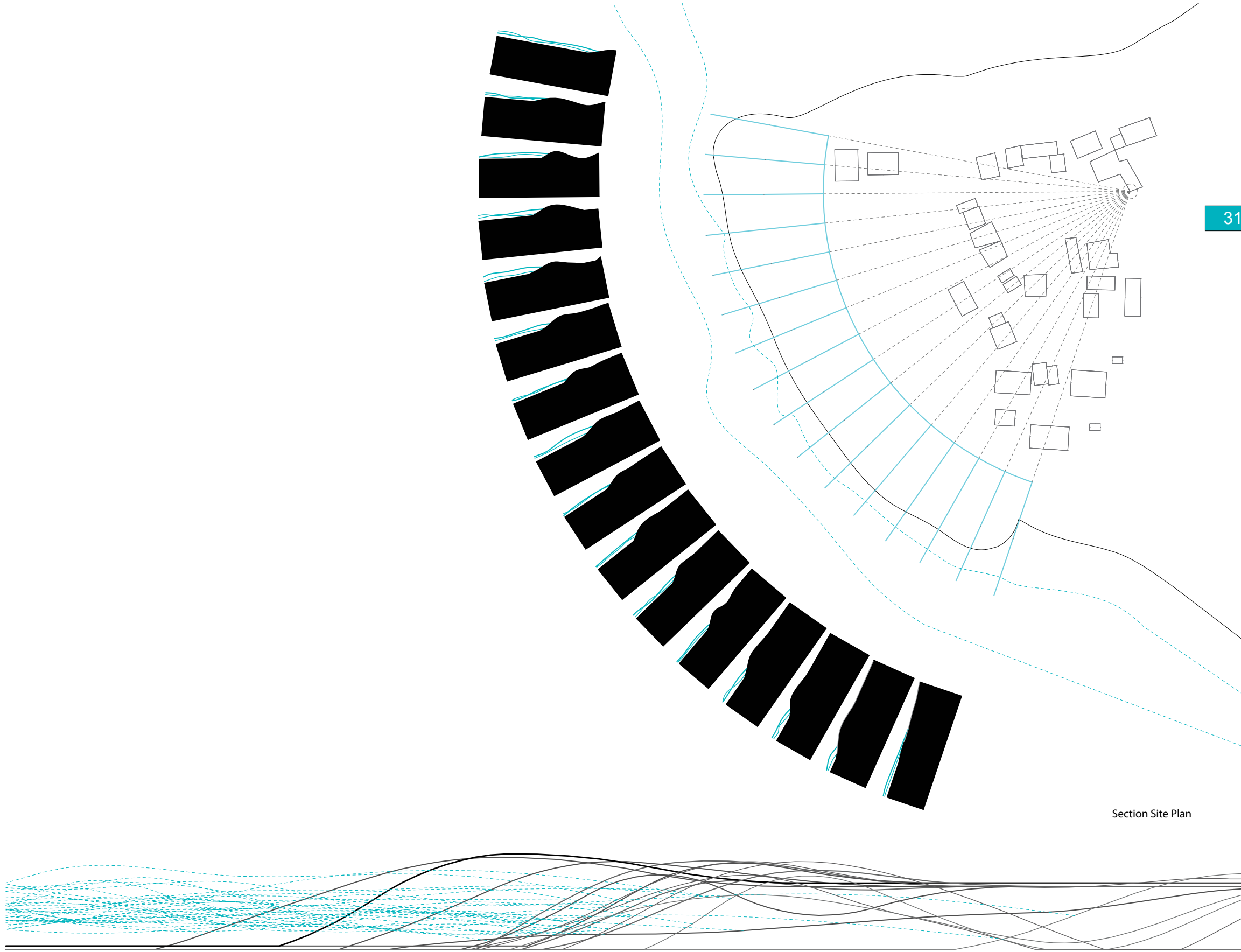
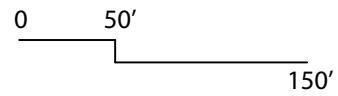




*“Trivium Mercato d’Idroscalo”*

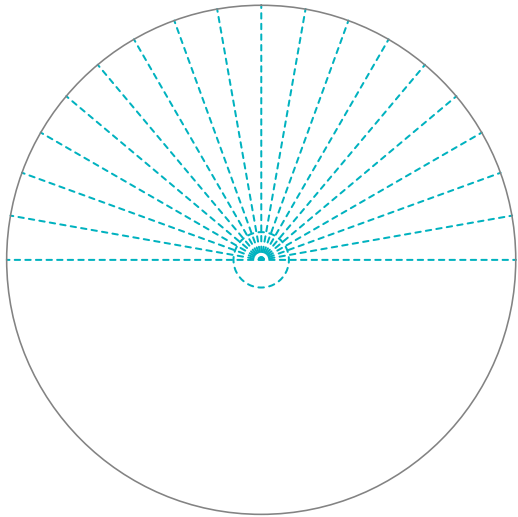
Joey Miller

○ EDGE  
● The edge of Idroscalo has been altered several times of within the past century. The current condition contains a series of rock formations that have been laid along the edge line to prevent flooding. However, this small barrier does not hold the water from reaching into the village during powerful storms. The current edge condition needs to be raised further to prevent flooding within the village area.

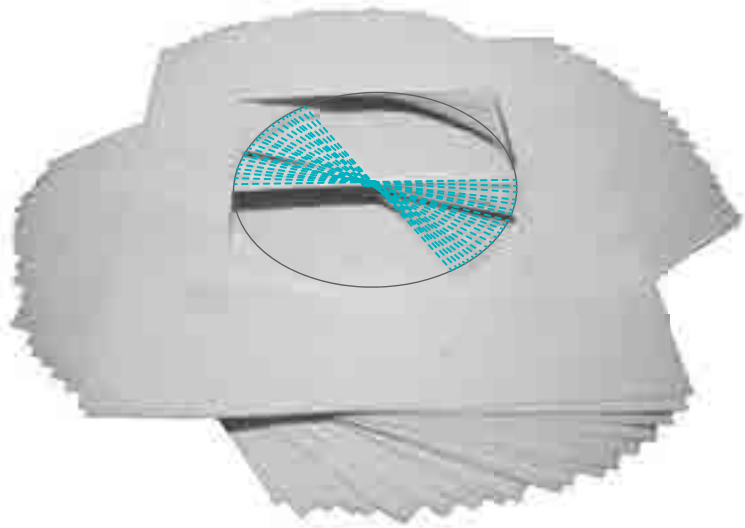


Section Site Plan

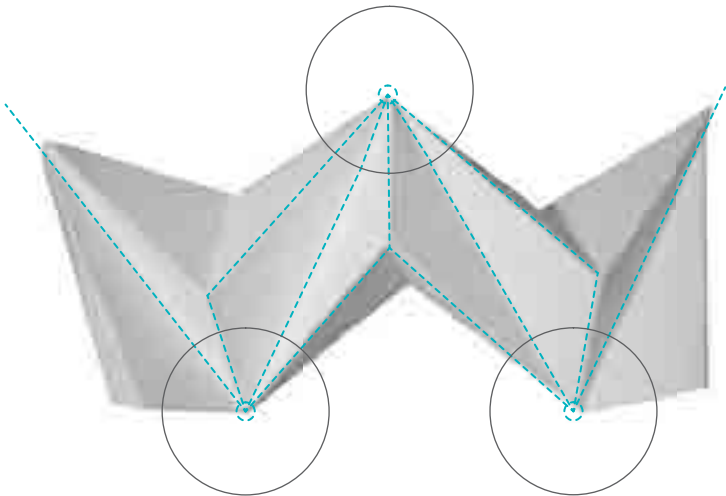
○ DIAGRAM  
○ Using the directional properties of a sun dial, my  
● method consists of orienting the plane in the  
○ appropriate direction for drawing the prefered  
○ elements.  
○  
○  
○  
○  
○  
○



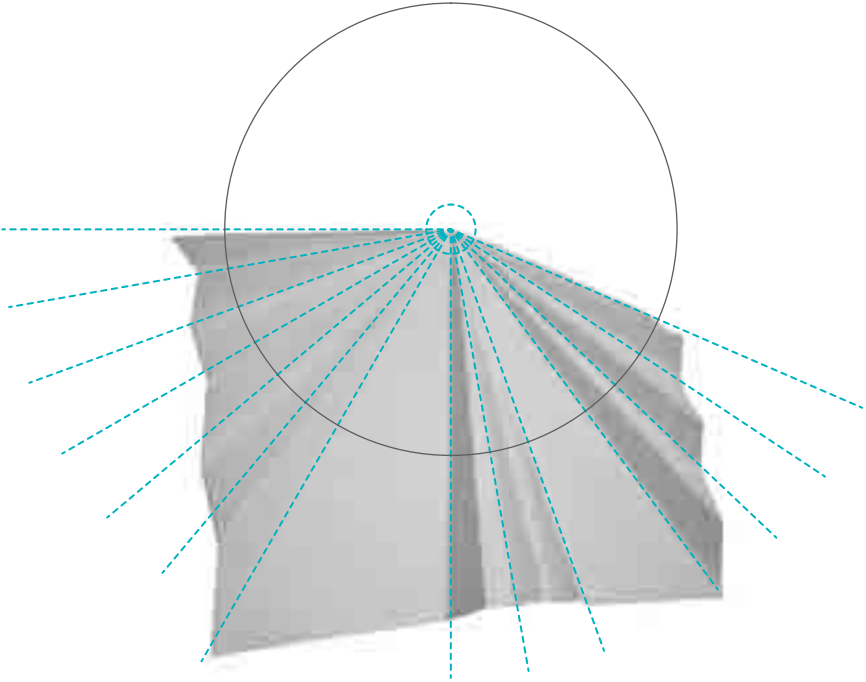
Method used to derive construction of models.



Second model constructed to display volume through stacking.



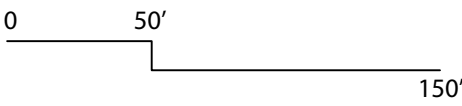
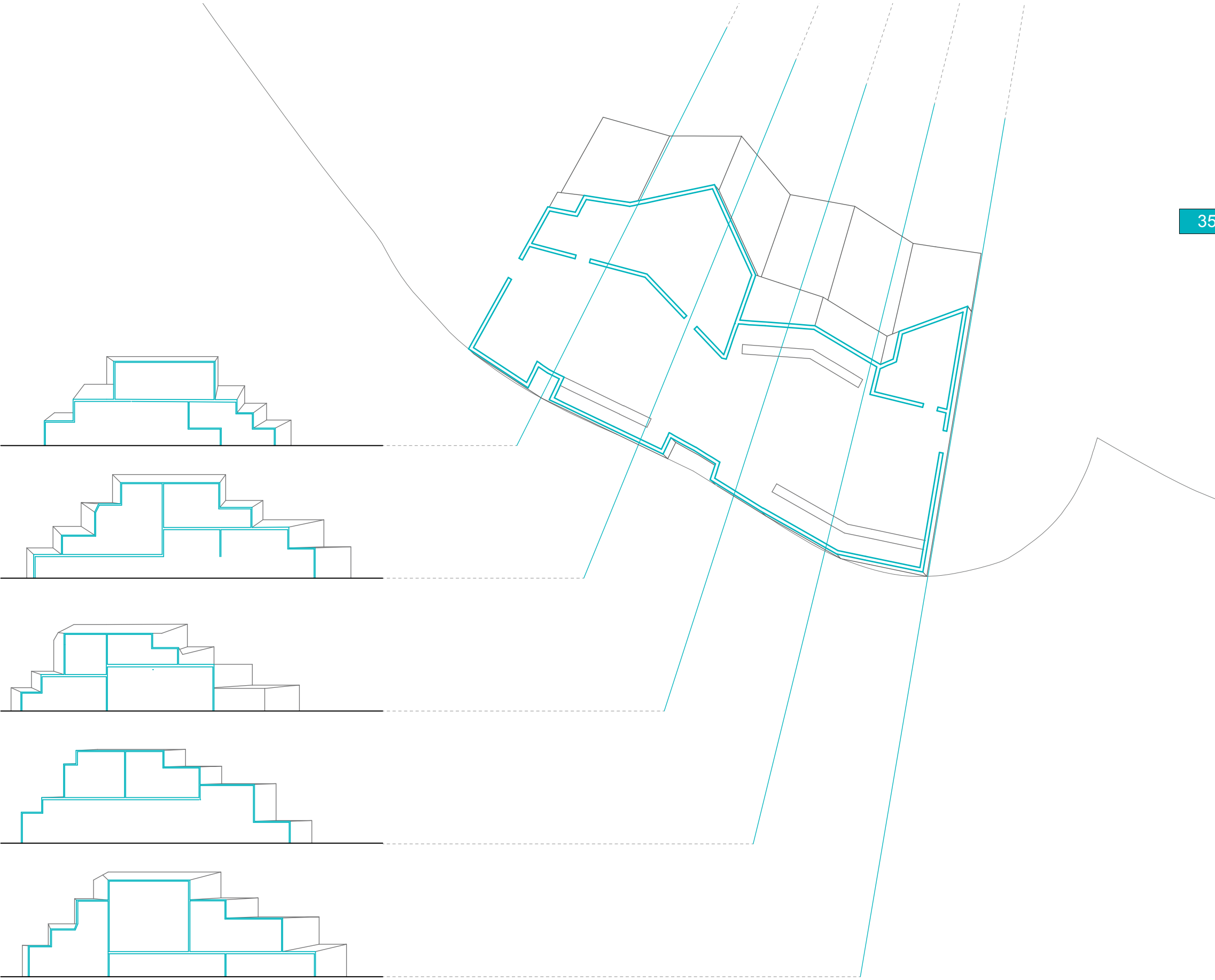
First model constructed to display possible form derived from multiple methods.



Third model displaying the intersection of projecting lines.



**STRATA**  
Using the center points of existing plaza spaces found at the Idroscalo, projection lines are created and generate the pushing and pulling points of the form found along the edge condition.

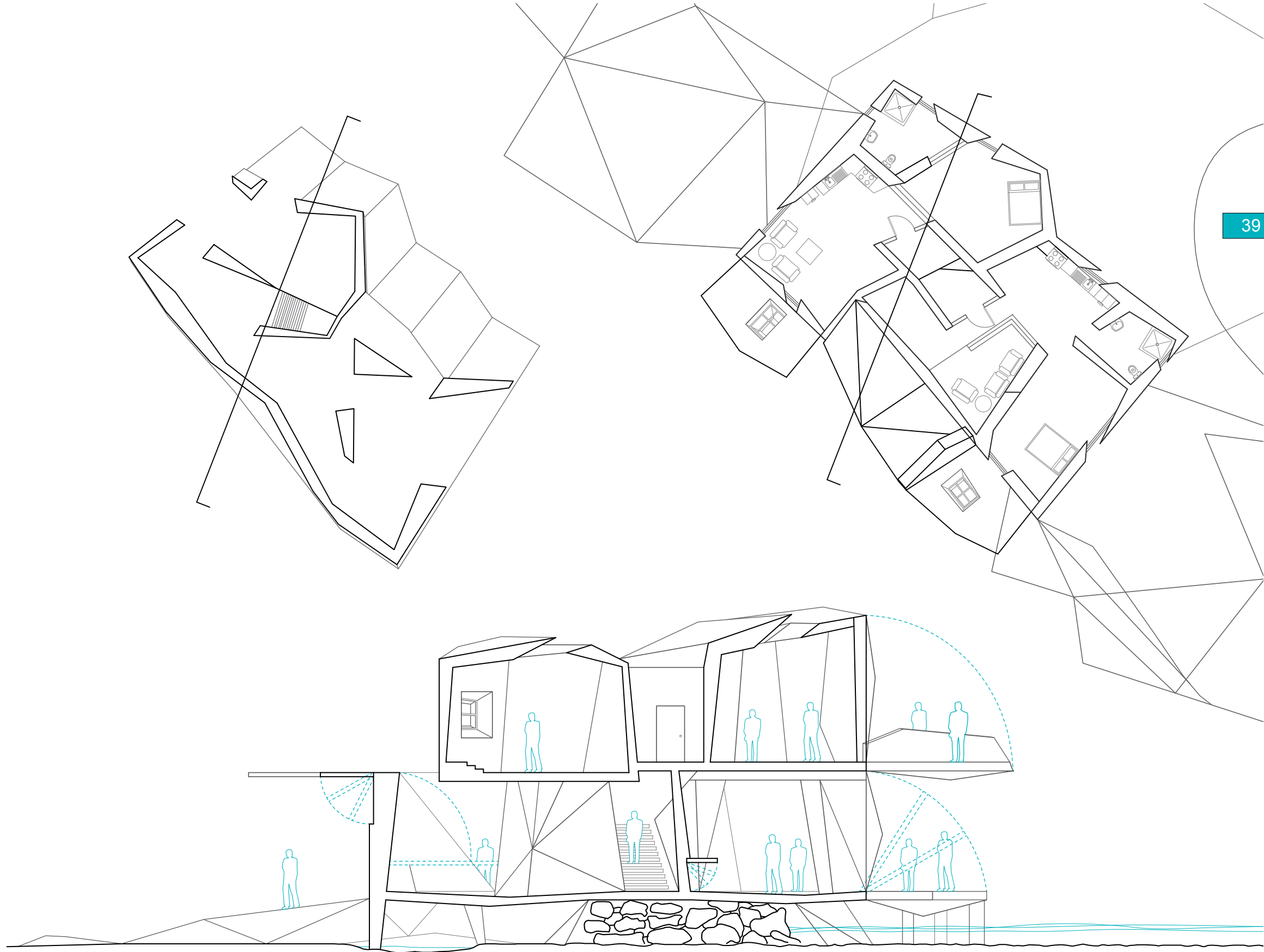


VILLAGE  
The projection lines that span out from the piazzas create pathways and boardwalks that lead towards that Mercato. The folding geometries of the Mercato continue to unfold along the edge creating a new system that includes docks and piers to accommodate boats and space for fishing.



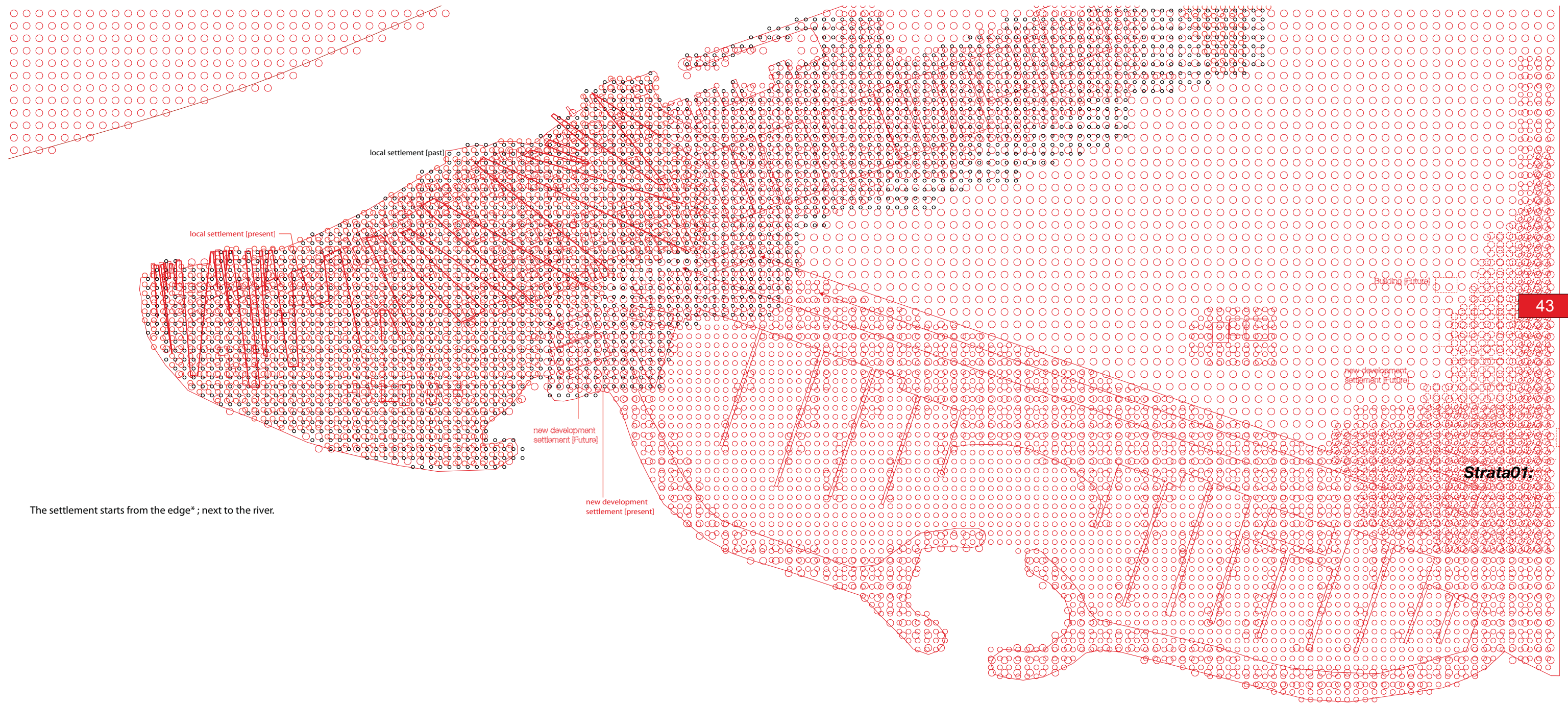


HOUSE  
The exterior walls that surround the public rooms of the residential units fold down to become private balconies that extend the space farther out and over the waters edge.



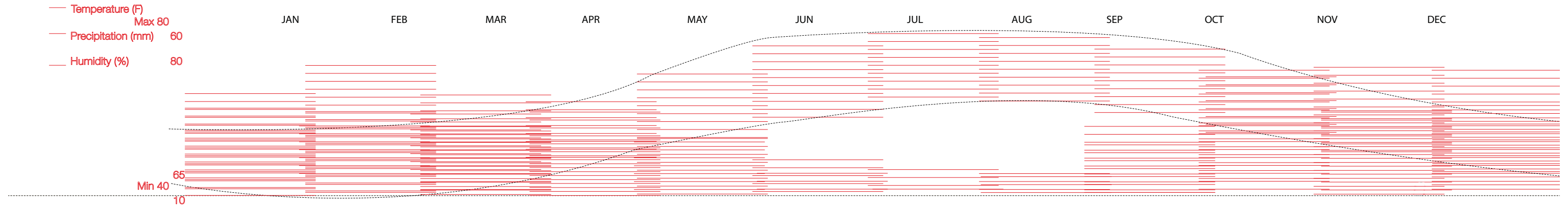
*“Urban Swell:  
with the notion that idroscalo is about to vanish”*

Pamas Moleeratanond



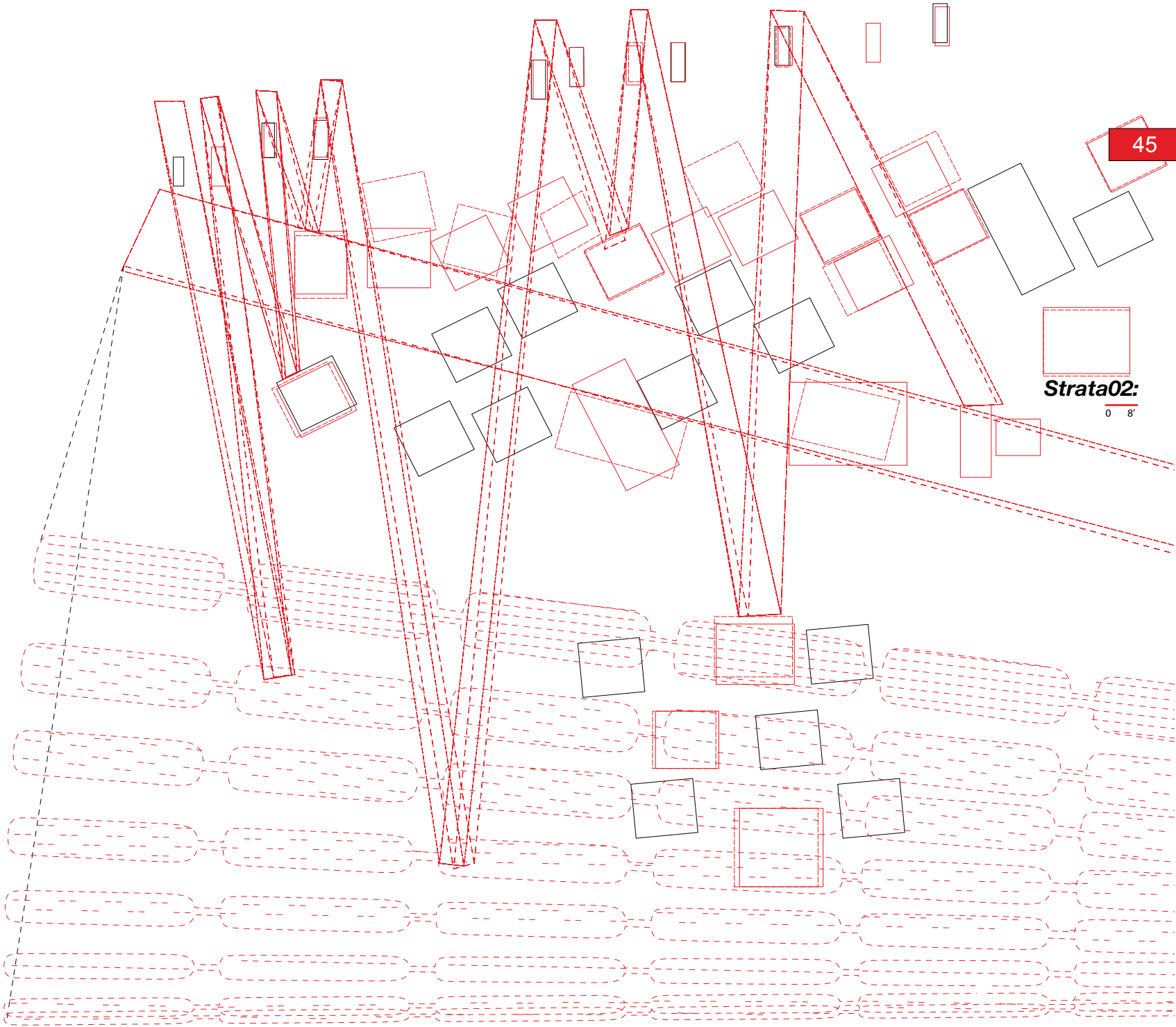
The settlement starts from the edge\* ; next to the river.

Strata01:





Can Idroscalo be called a **gateway**?  
Open up Idroscalo; making it a destination where local and visitor interact.  
...This might be a solution that lessen the boundary between two groups.



**Rule sets:**  
**Aim:** Tha path should maximize time for people to spend along the edge condition.  
**Building Types:**  
**001\_**Typical Family House [parents with two childrens]  
**002\_**Elder House [1 or more of elders living together]  
**003\_**Couple House [2 people living together]  
Applied to all building types:  
-Building along the edge must give at least 2% of the total area to public.  
-Building must have access to seasalt farm  
Applied to **001 building type:**  
-Space under the structures must have fuction or must occupy by activities  
Applied to **002 building type:**  
-Building must occupy first floor of the floating pathway.  
-Building must have mezzanine level to accomodate activities.  
-Public circulation must elevated up and must have at least one the public gathering area with no less than 200sq.ft.  
Applied to **003 building type:**  
-Building must provide public space on the first floor of the floating pathway.

**001:**  
estimate for public circulation  
= min-time:  
Path1: 45seconds to 1minute  
Path2: 1.15minute to 2minute

**002:**  
estimate for public circulation  
= min-time:  
Path1: 1minute to 1.30minutes  
Path2: 1.45minutes to 2.15minutes

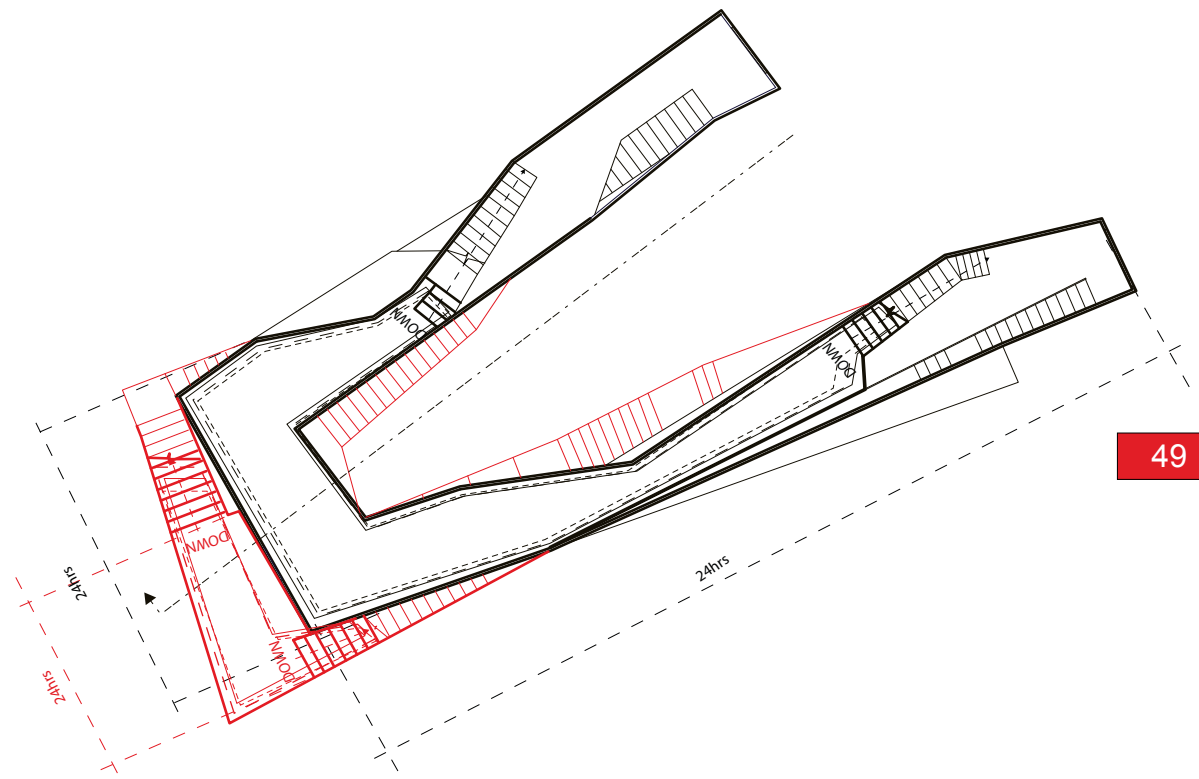
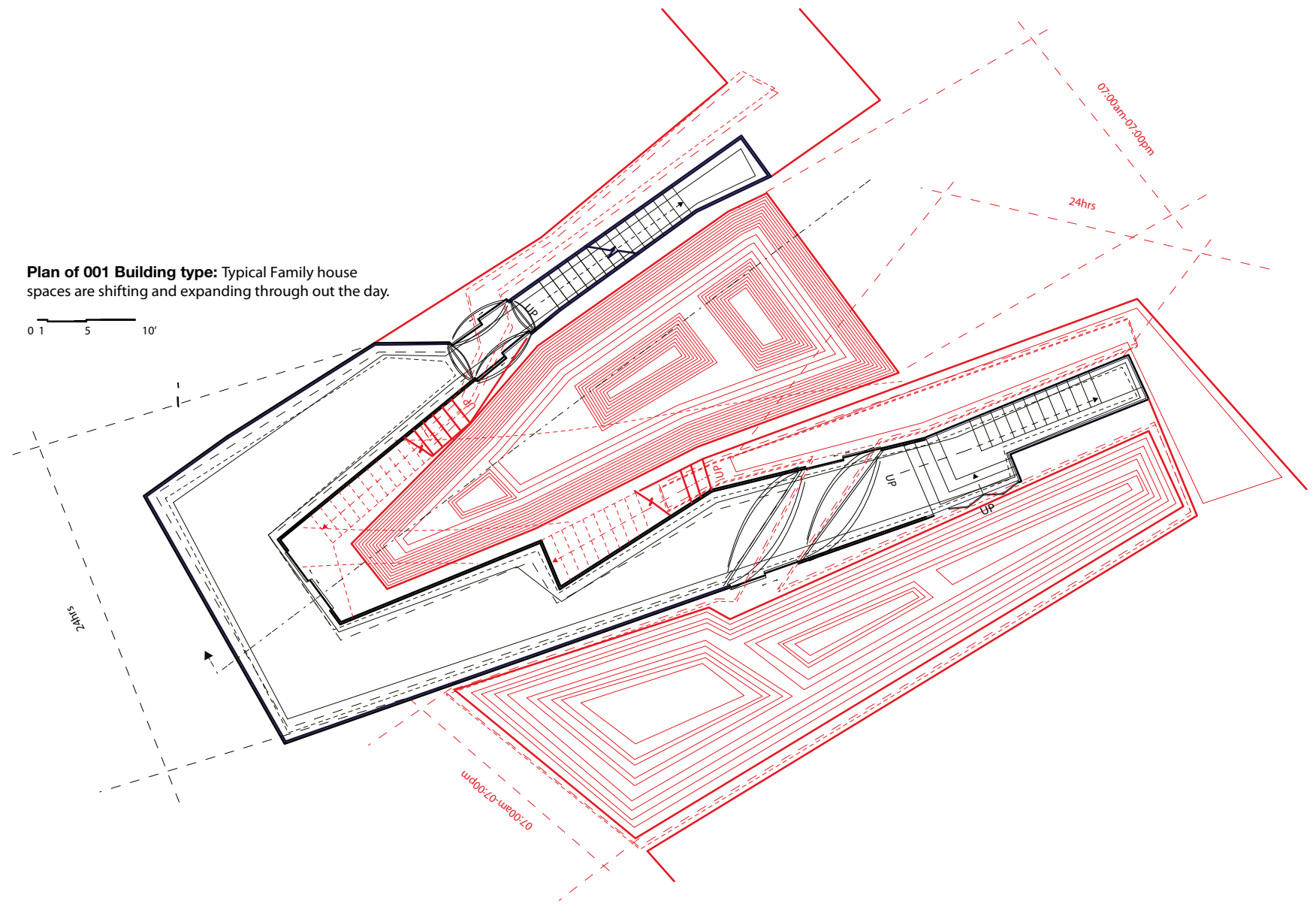
**003:**  
estimate for public circulation  
= min-time:  
Path1: 30seconds to 45seconds  
Path2: 1.45minutes to 2.15minutes

Settlement starts along the edge.

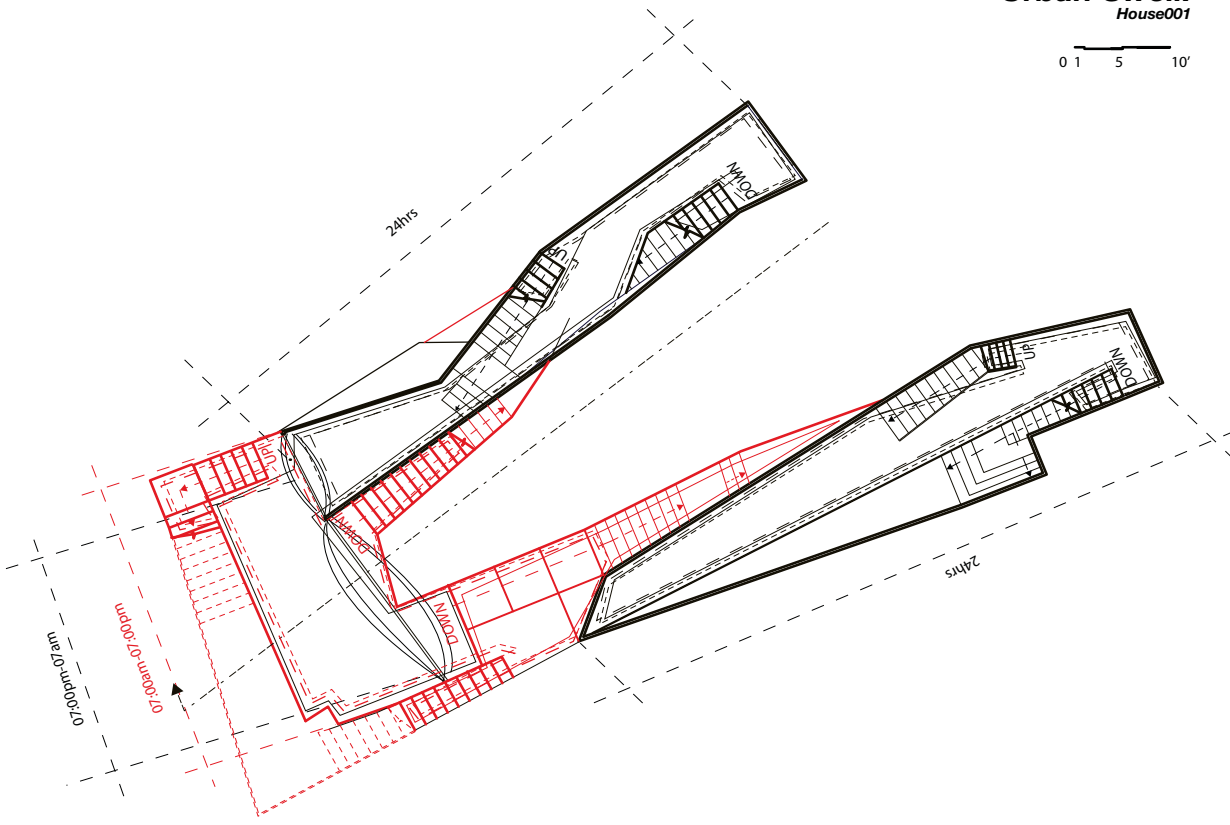


**Plan of 001 Building type:** Typical Family house  
spaces are shifting and expanding through out the day.

0 1 5 10'

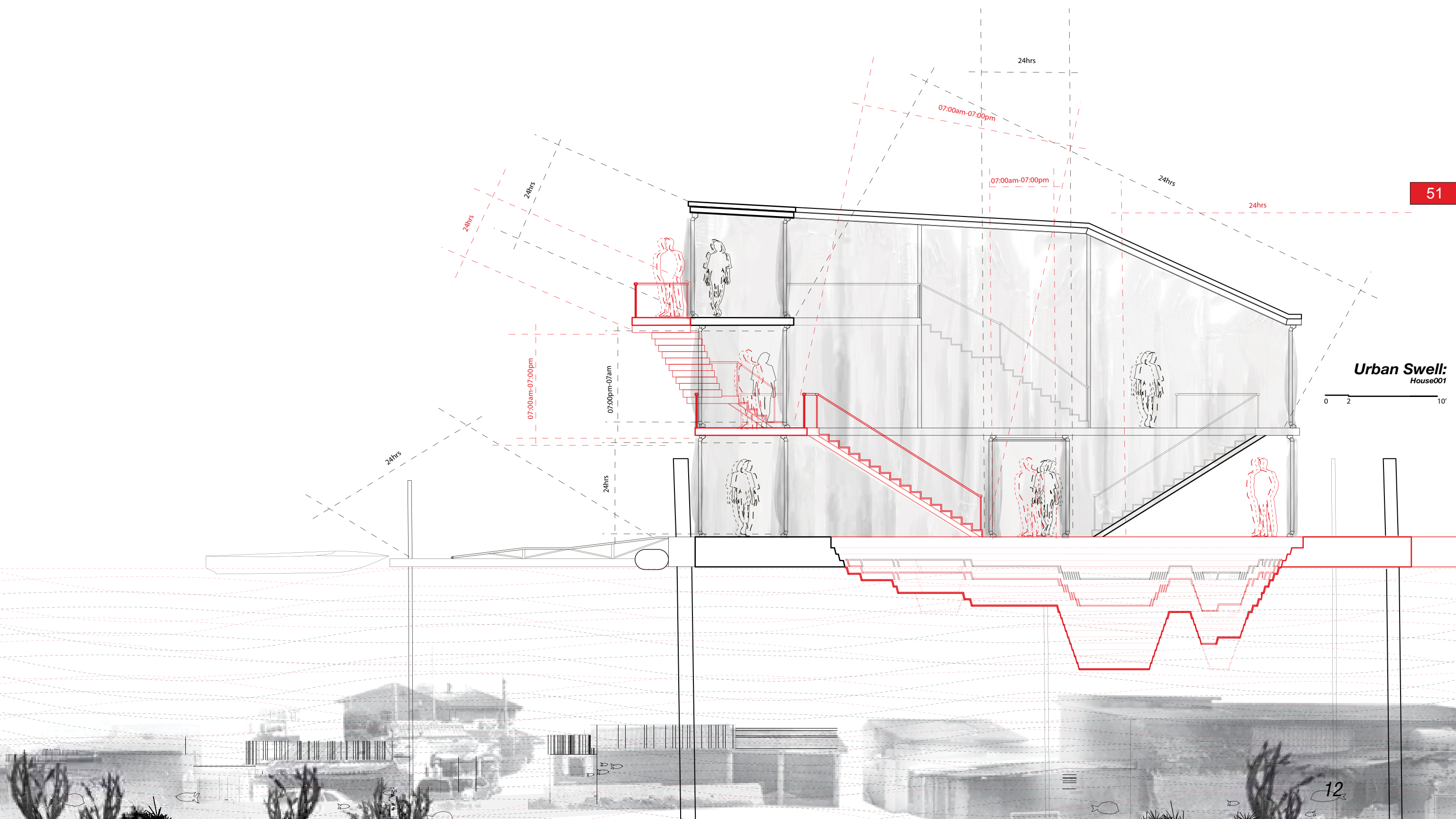


0 1 5 10'



Urban Swell:  
House001

0 2 10'



*“Balancing the EDGE”*

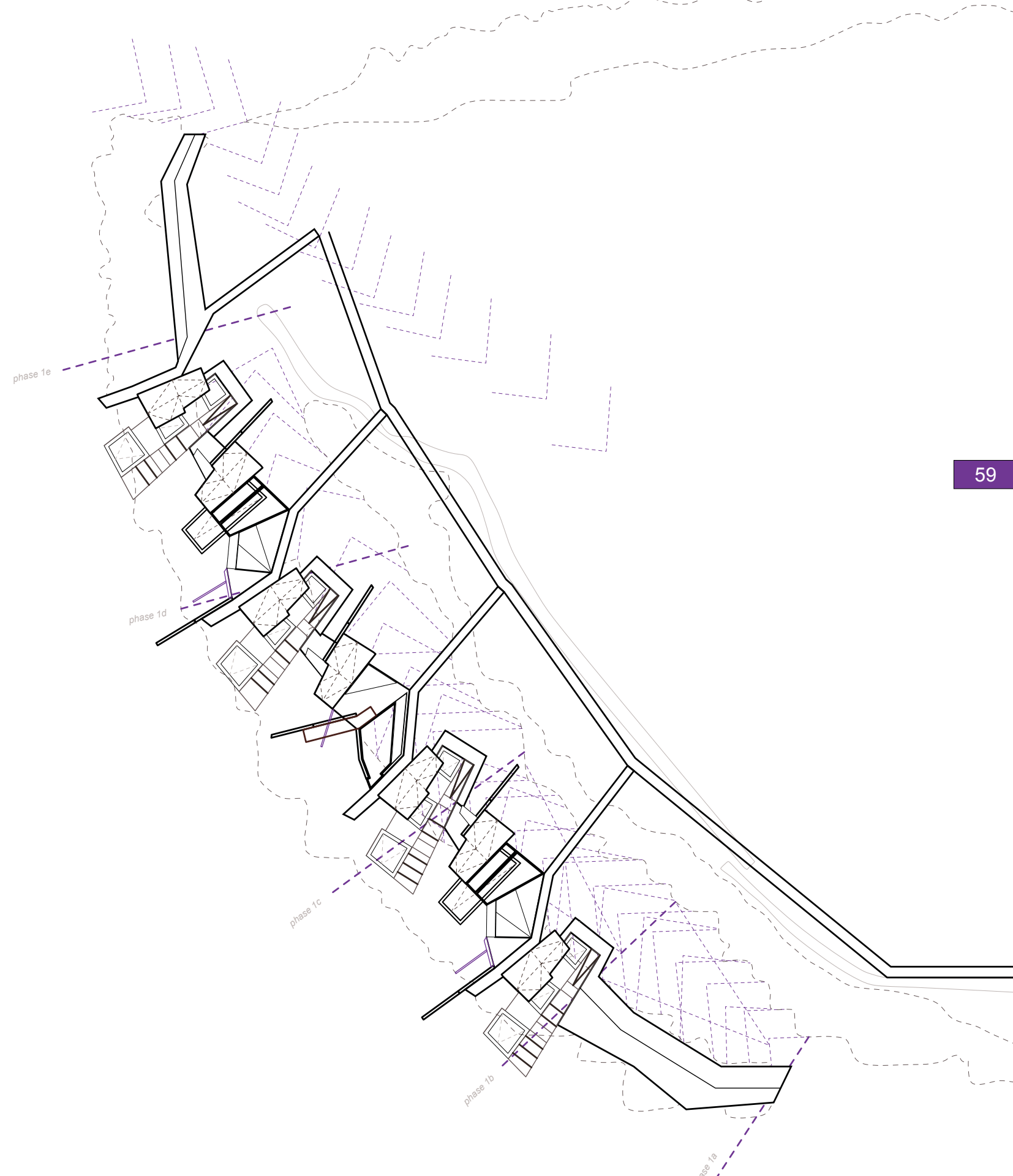
Roosevelt Golino



*balancing the EDGE edge breach*

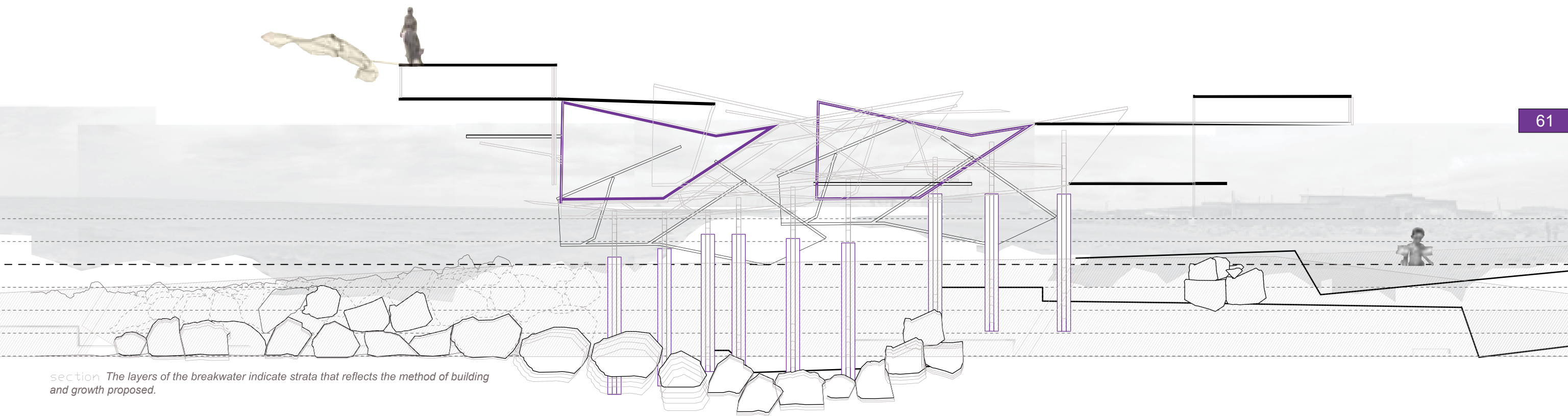
moving towards As the new breakwater is set in place the building for the edge will not ever be complete. As the flooding of idroscalo takes place the structures act as a already made attachment to further building in the future to protect the village.



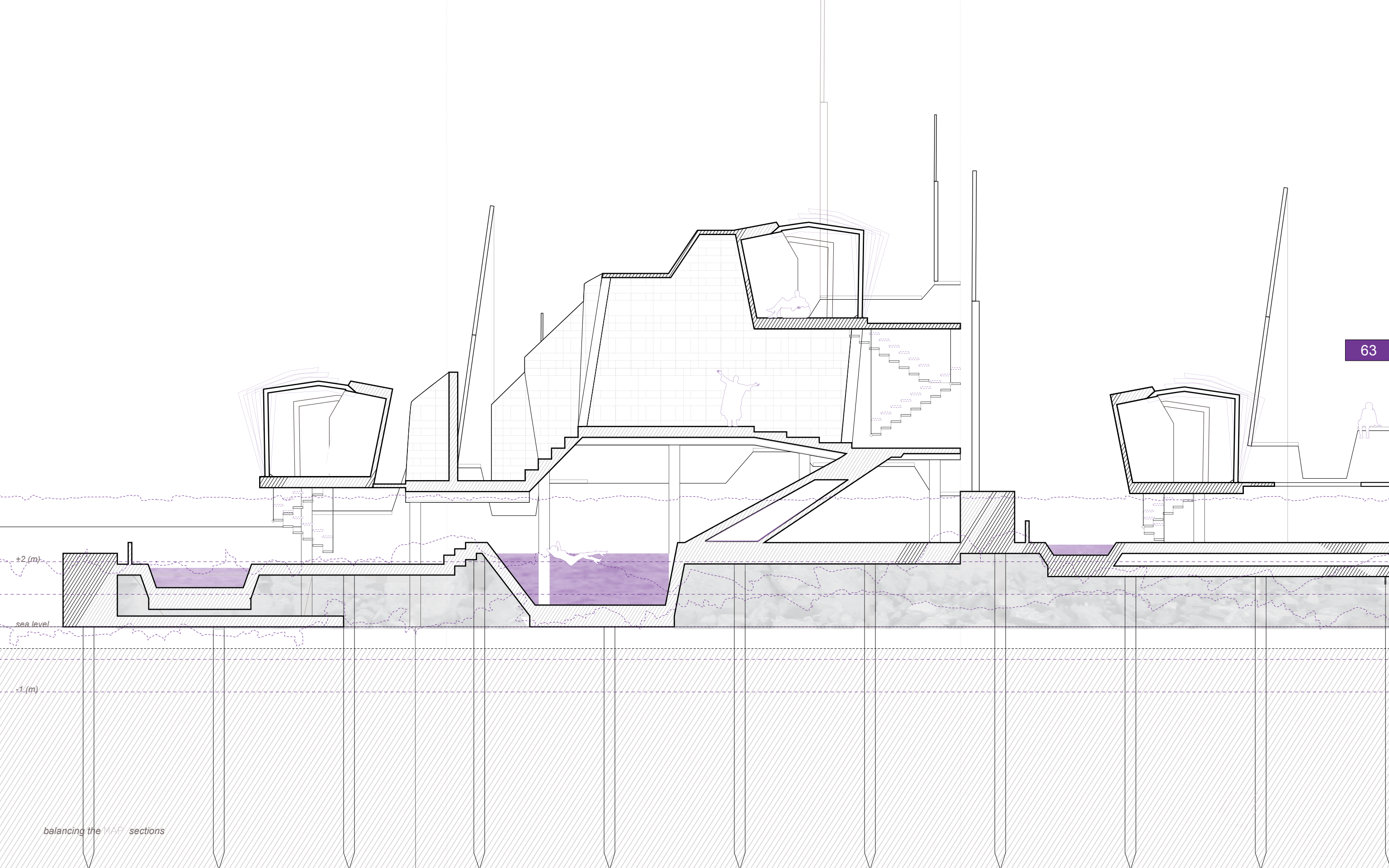


**moving phases** *The creation of the breakwater will be created in phases both in plan and sectionally. As the coast is divided the sections will be built in an consecutive order starting with the pools.*



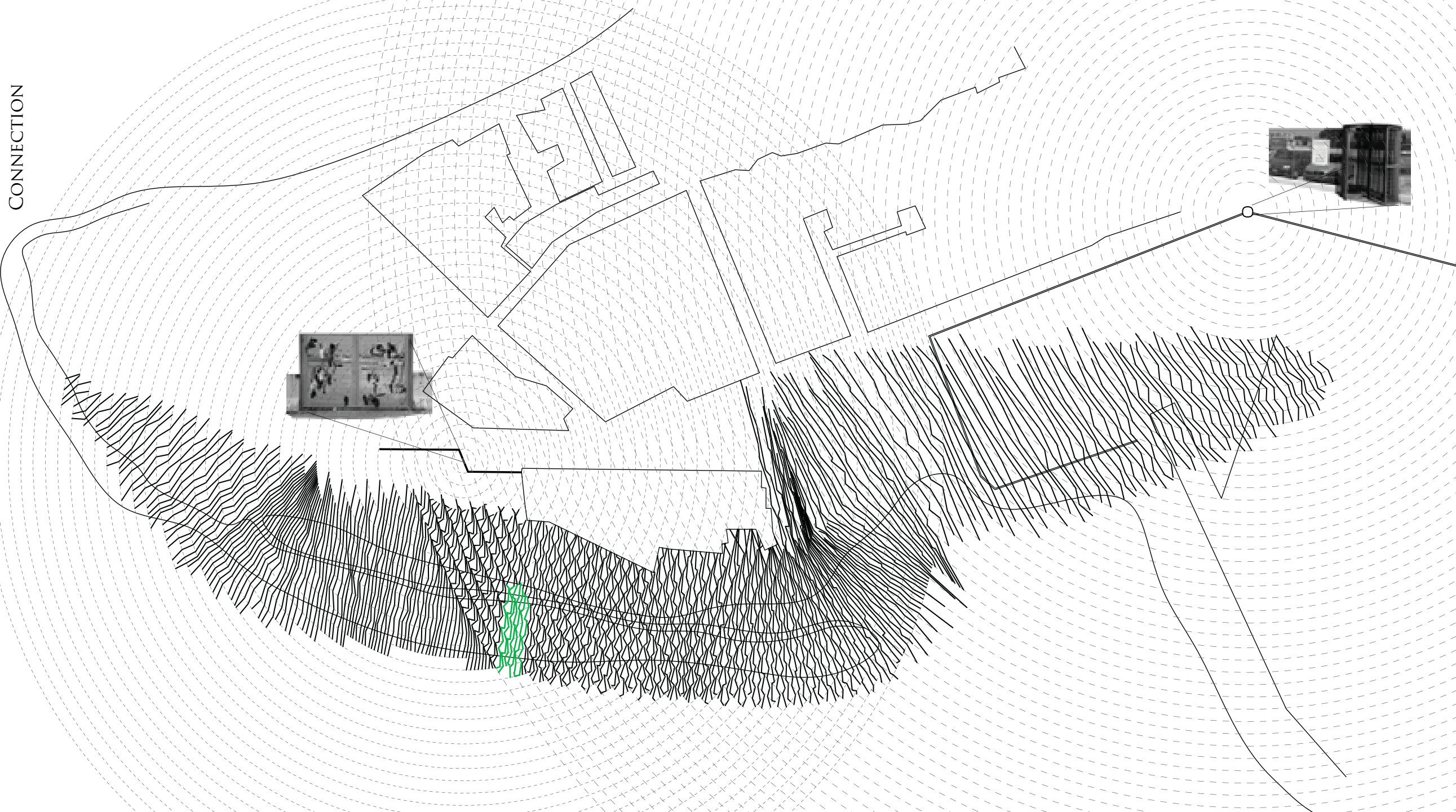


section The layers of the breakwater indicate strata that reflects the method of building and growth proposed.

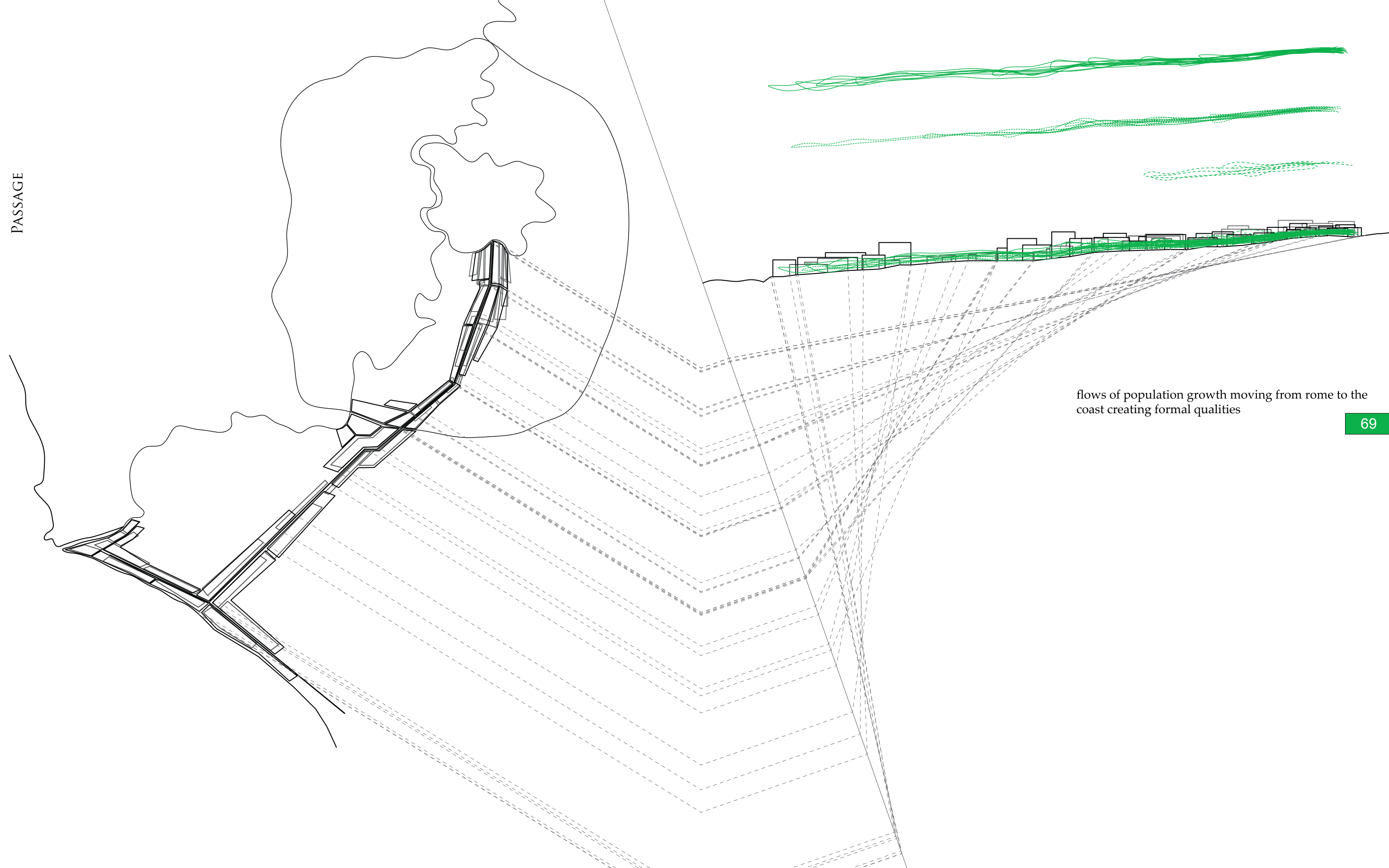


*“Fringe Urbanism”*

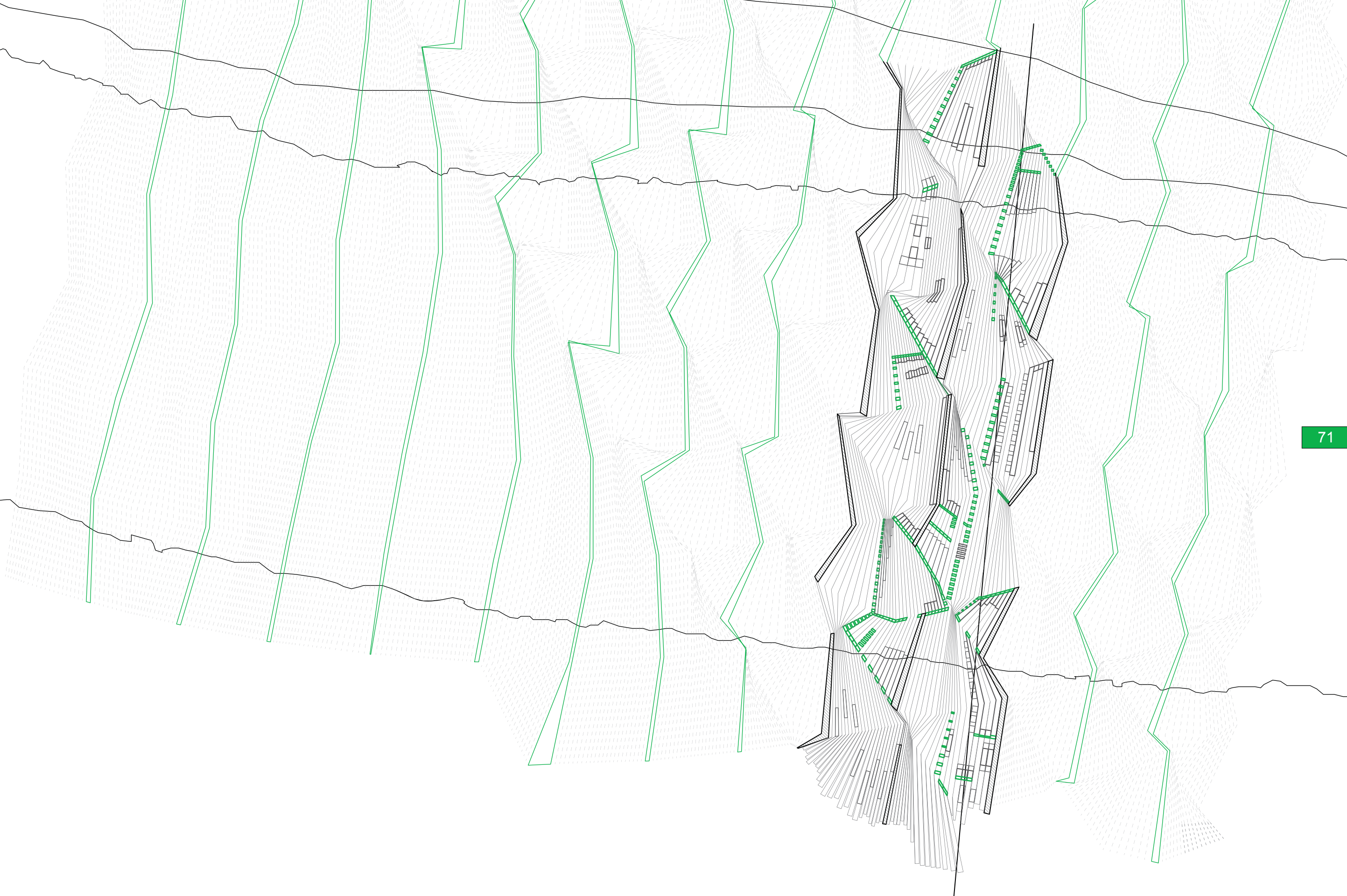
Nathan York



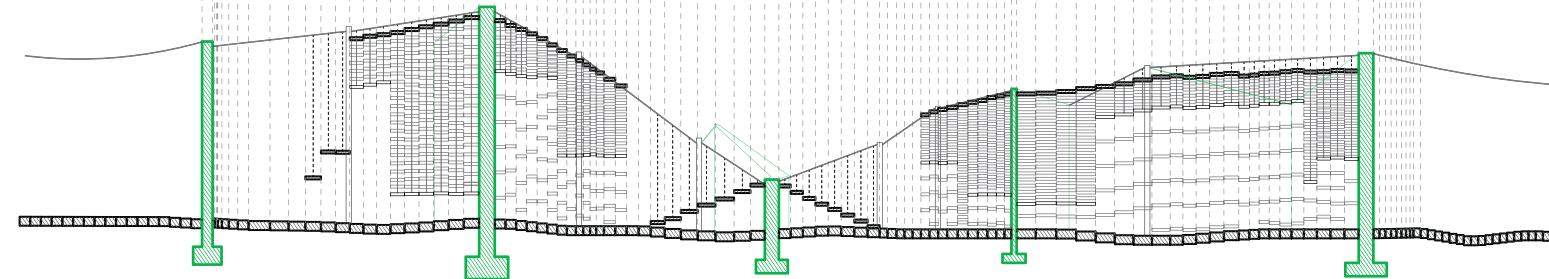
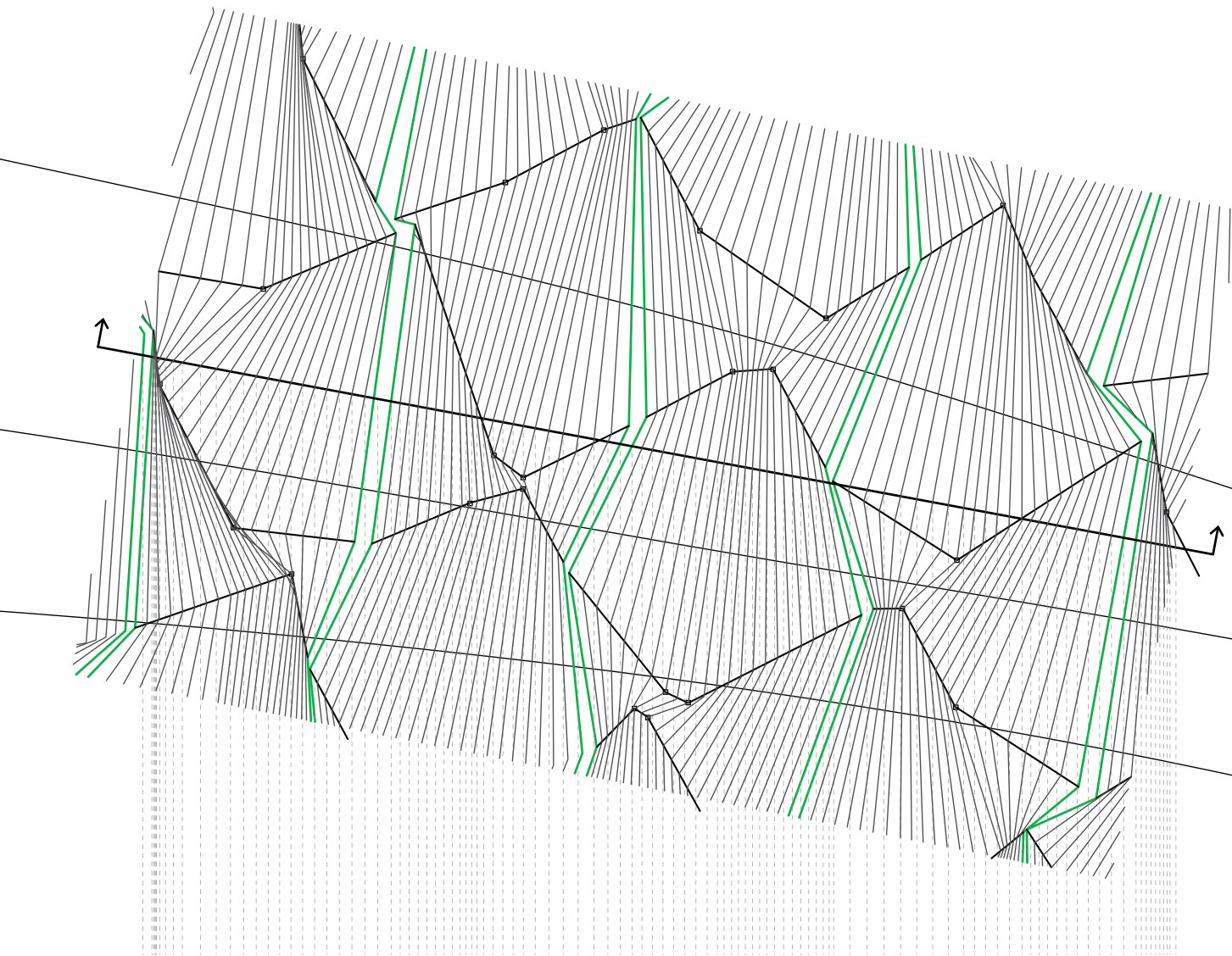




flows of population growth moving from rome to the  
coast creating formal qualities

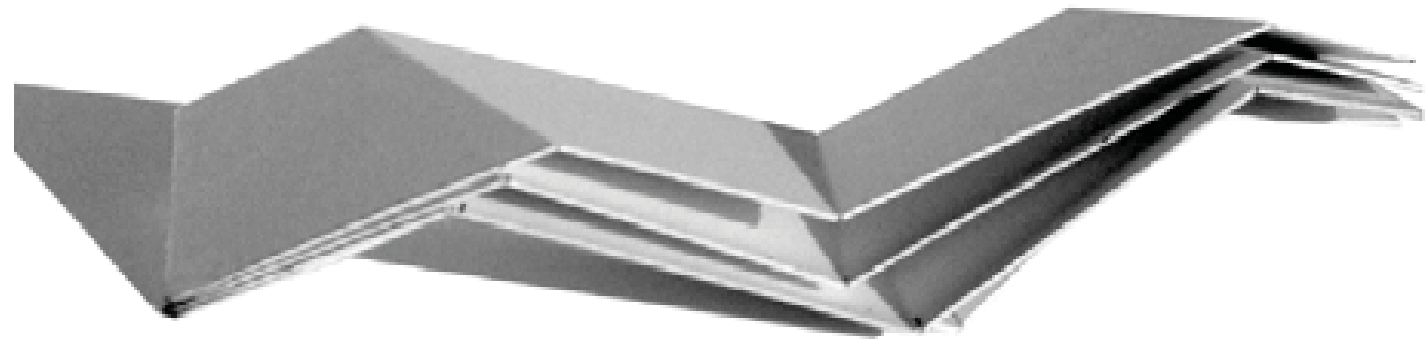
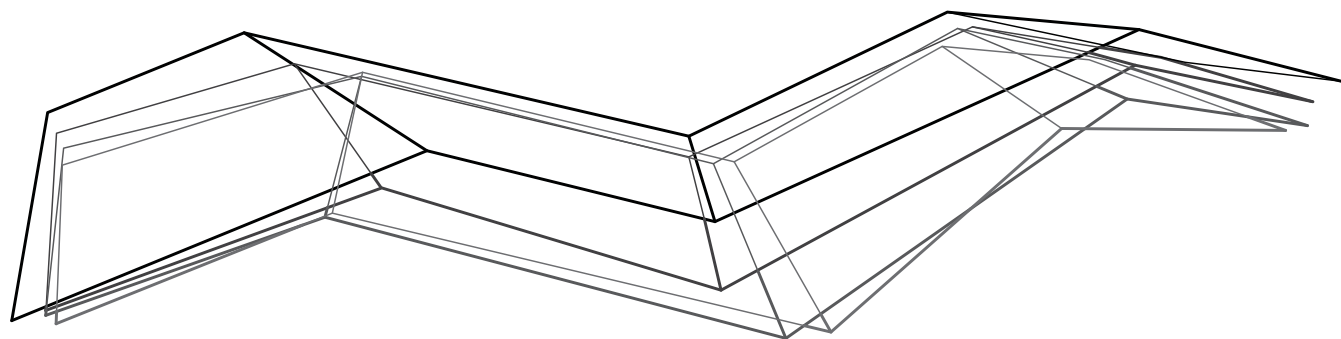
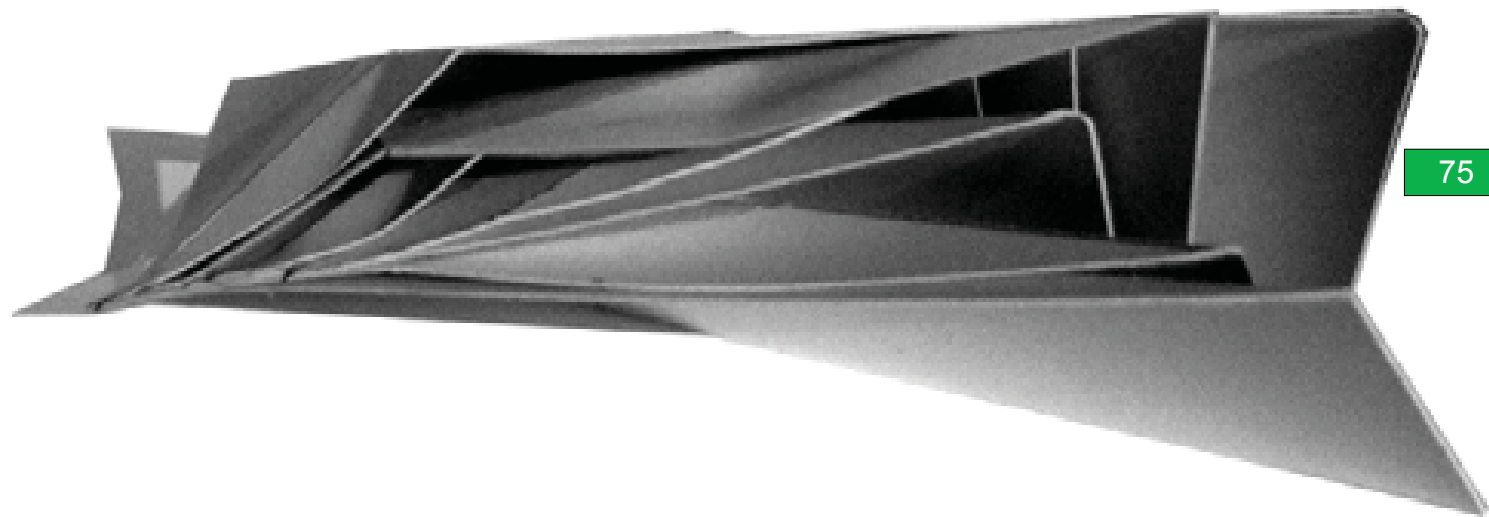
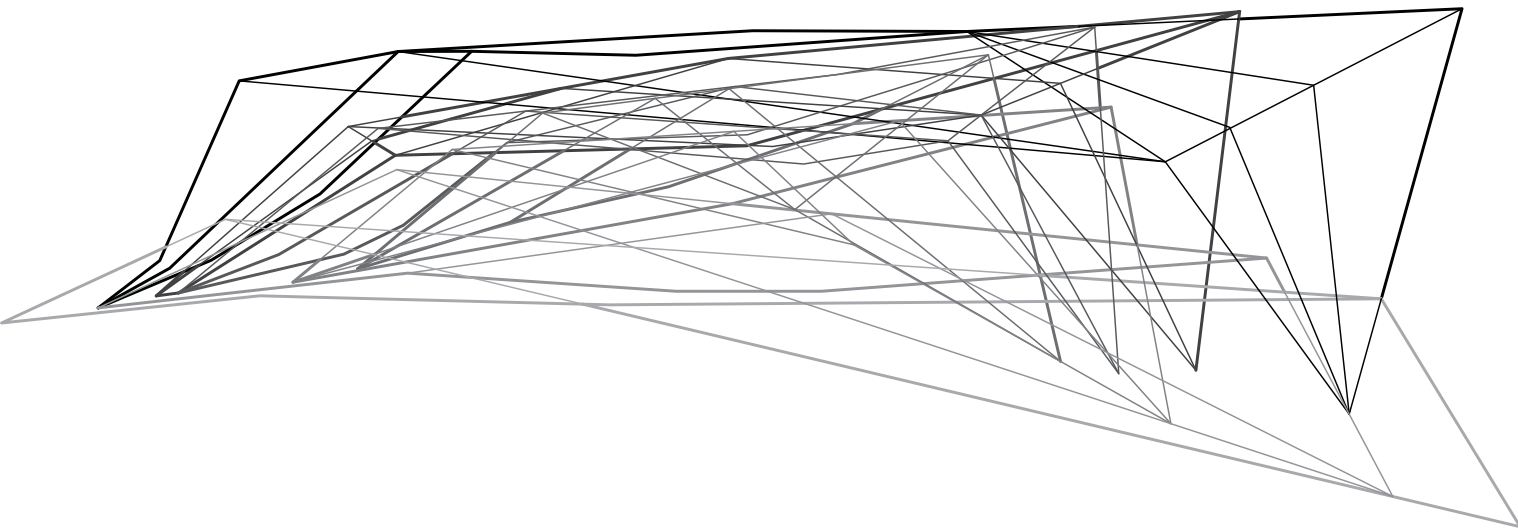
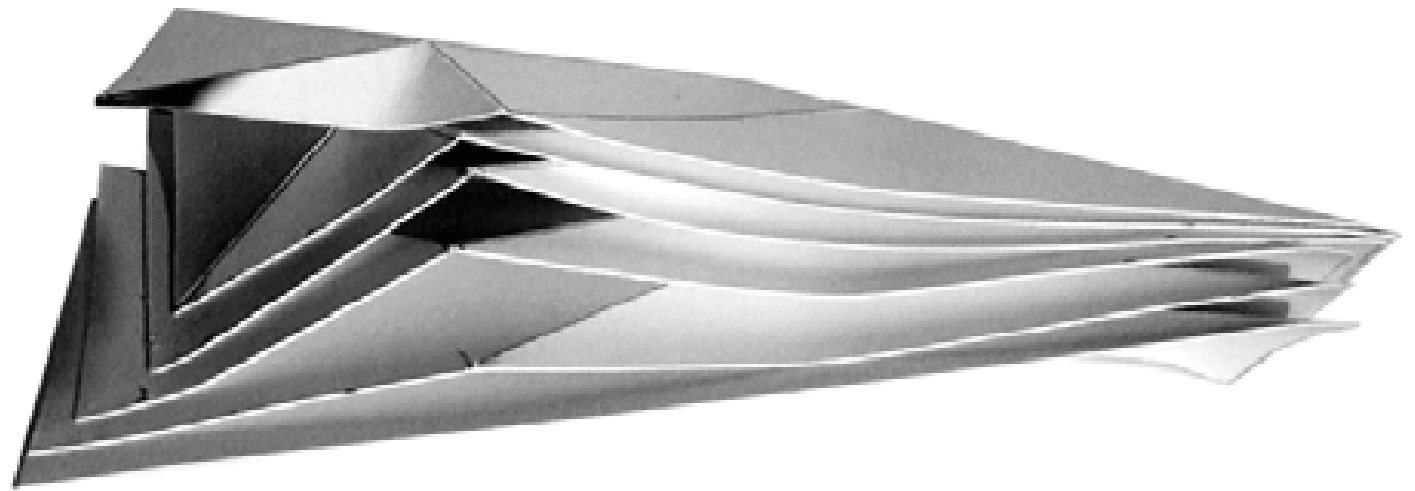
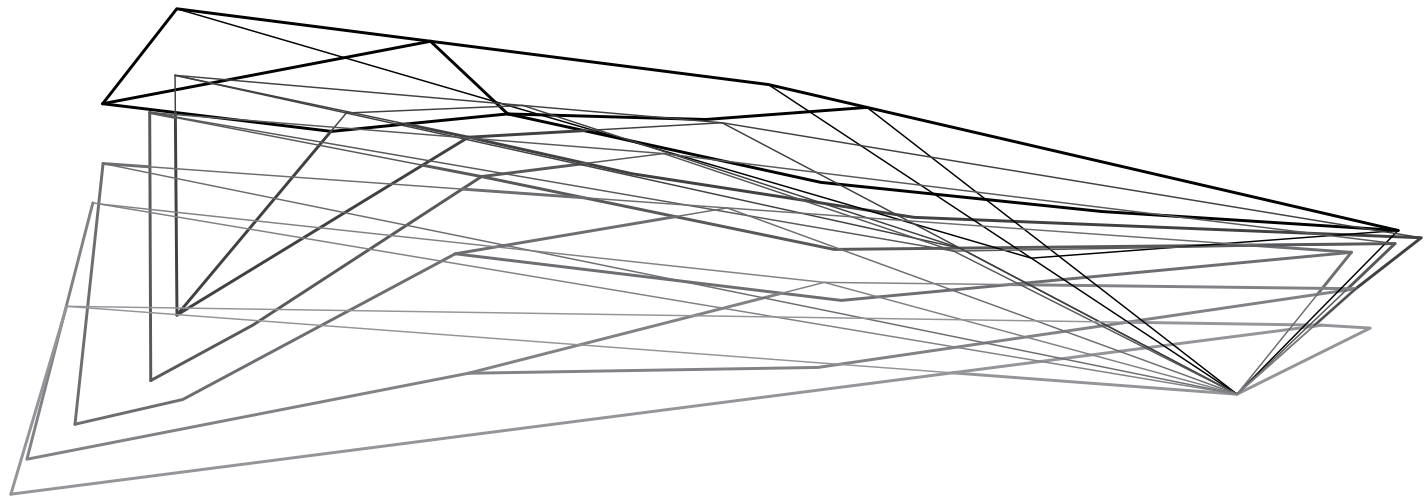




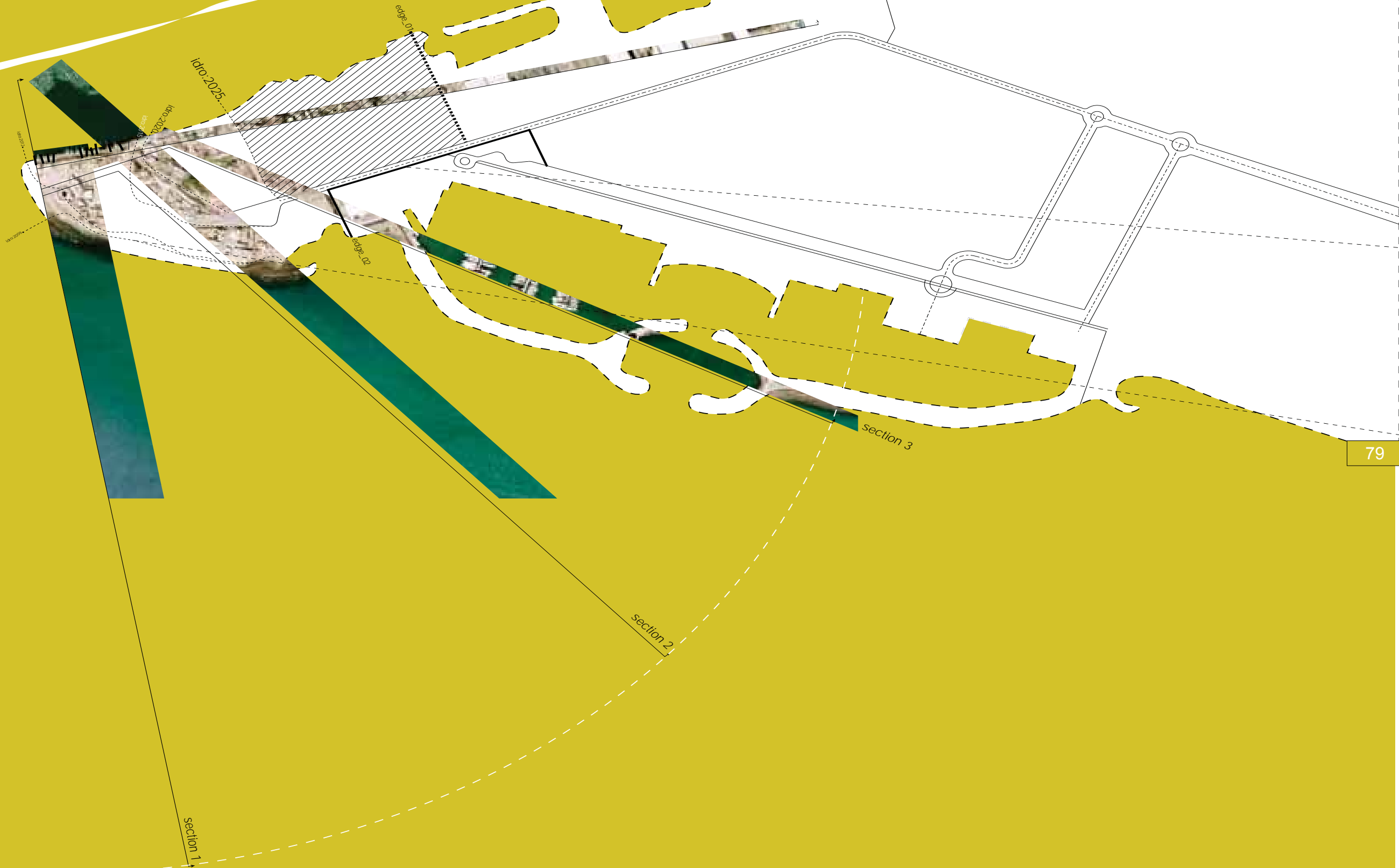


addressing the temporality of structure through a series of operable bands to create enclosure and habitable space

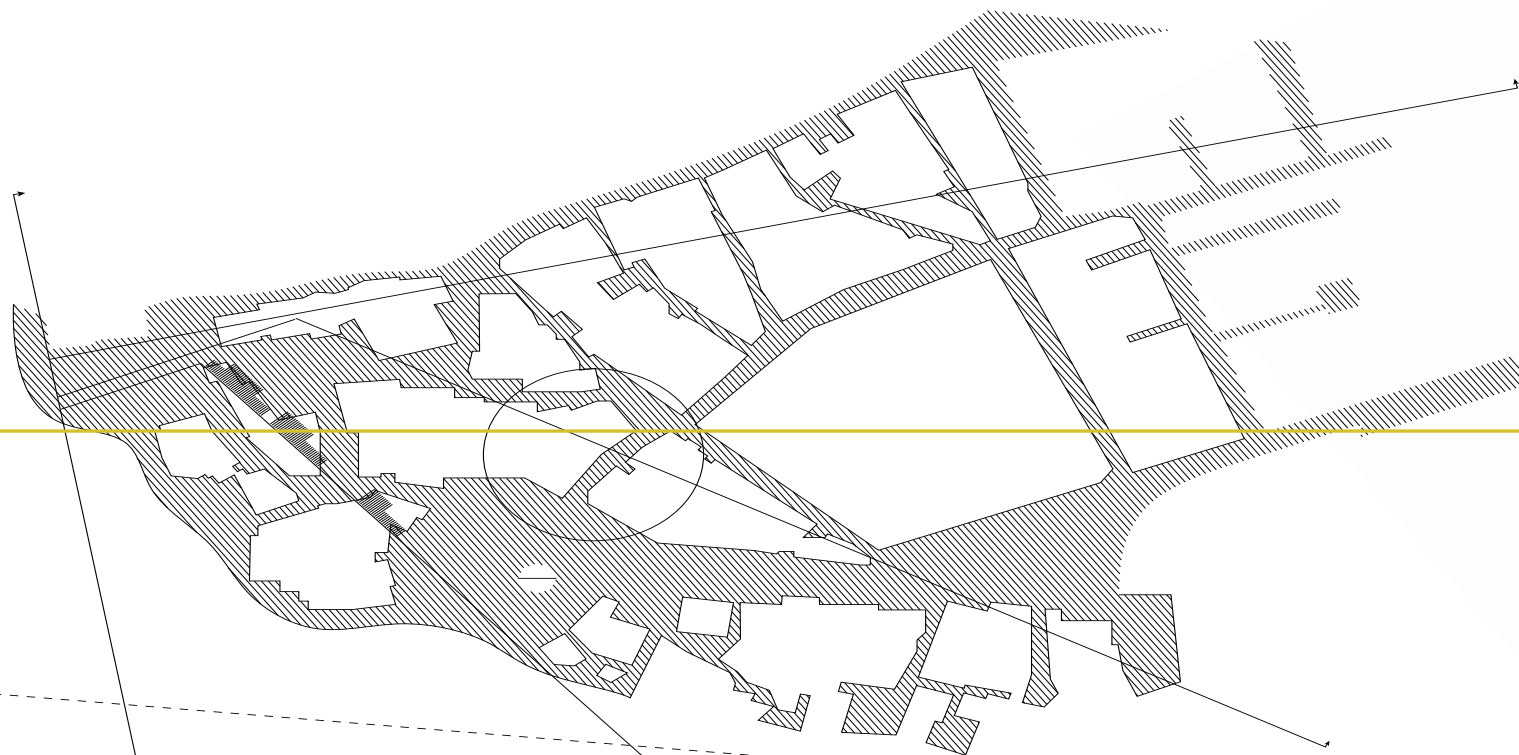
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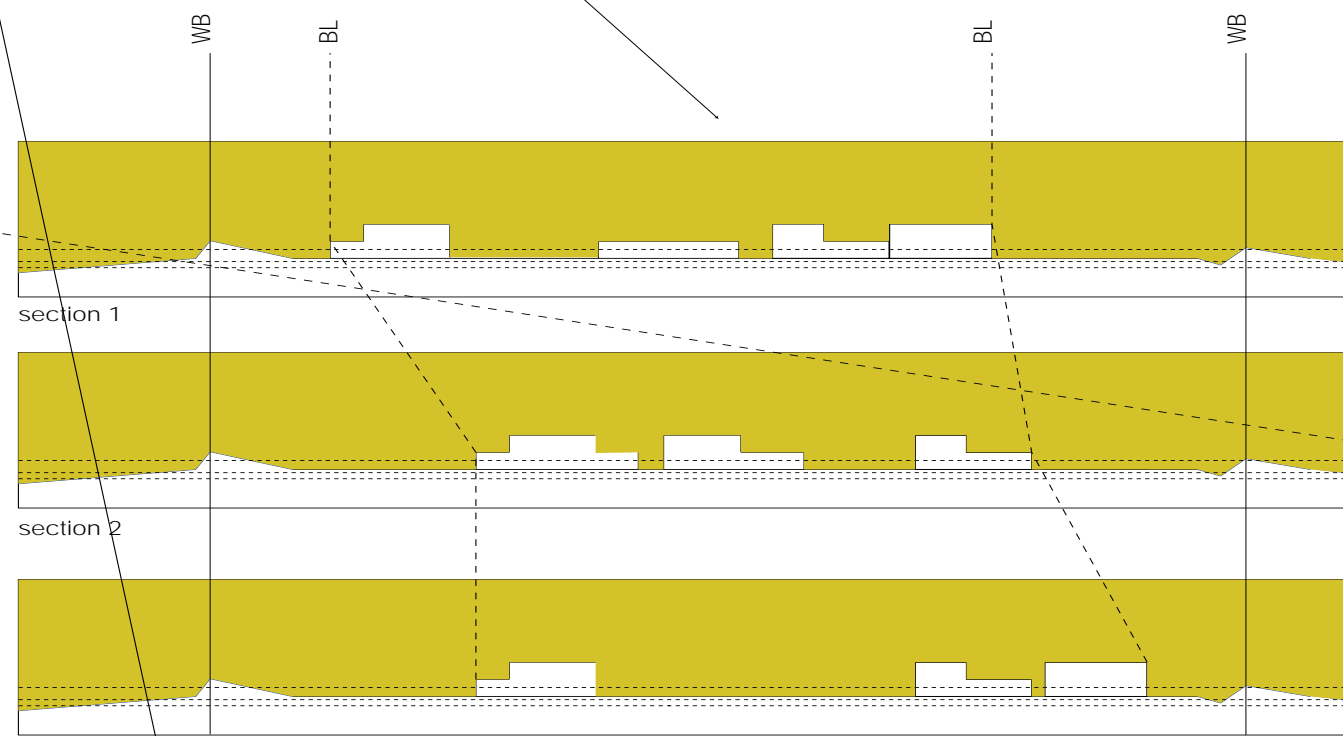
*“Visible City:  
Invisible Life”*  
Amr Basuony







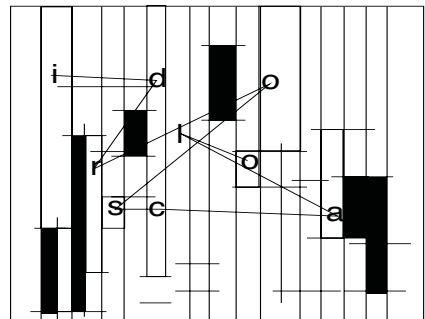
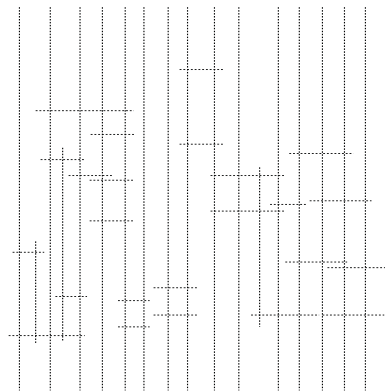
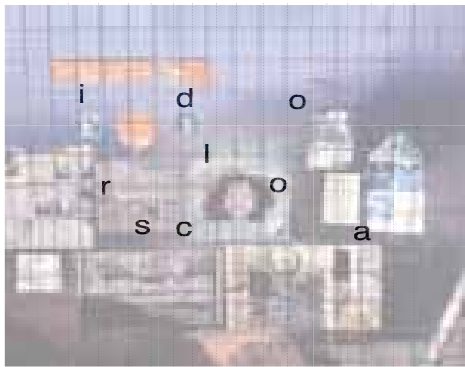
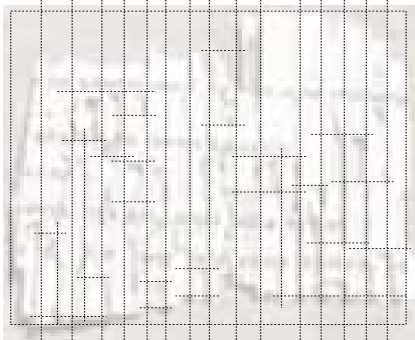
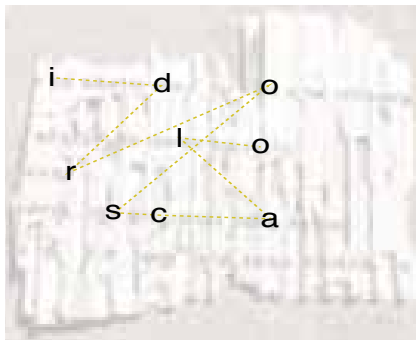
Site plan shows the residential fabric and alleys of Idroscalo



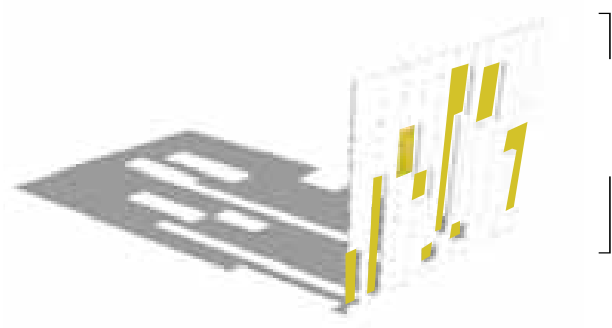
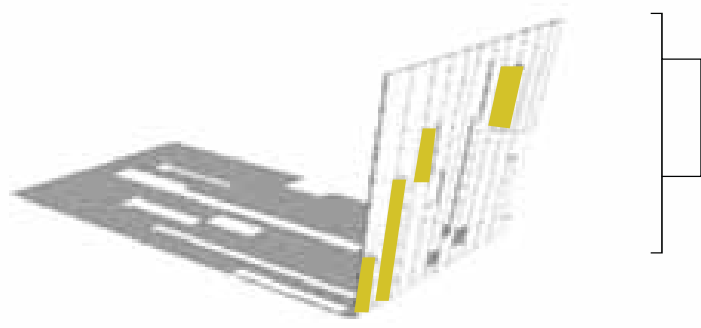
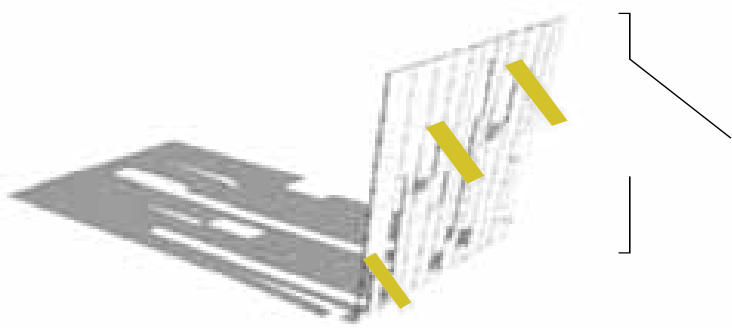
Longitudinal sections studying the relation between the city and the waterbreaker.

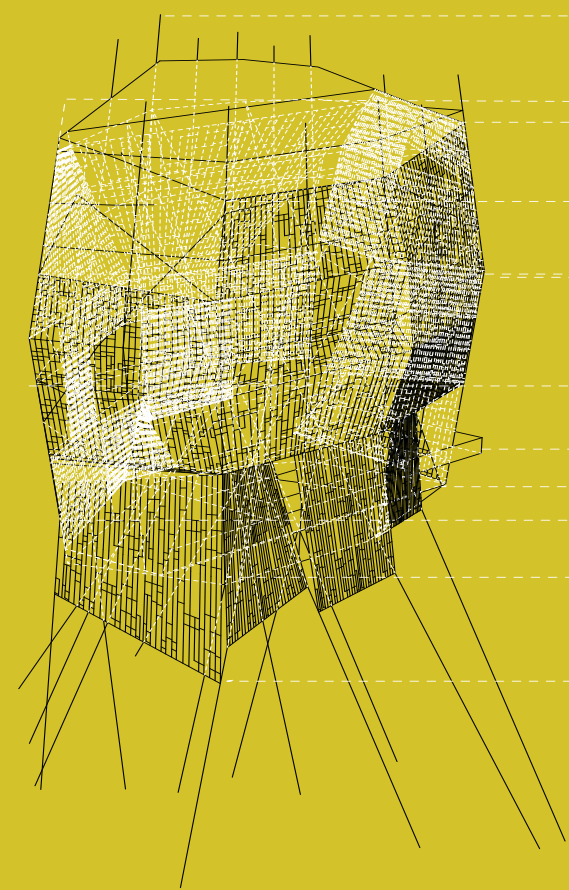


Pattern studies of the building skin

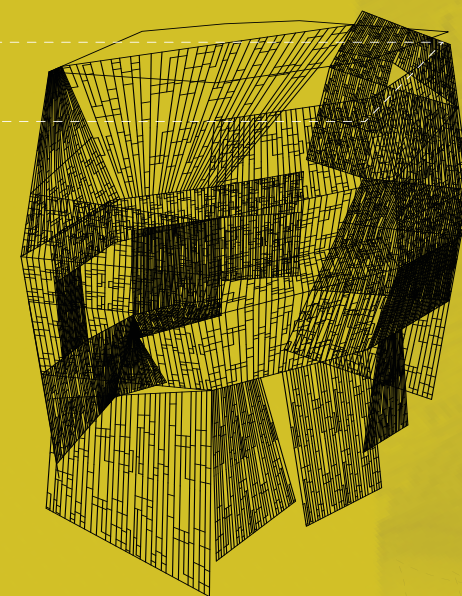
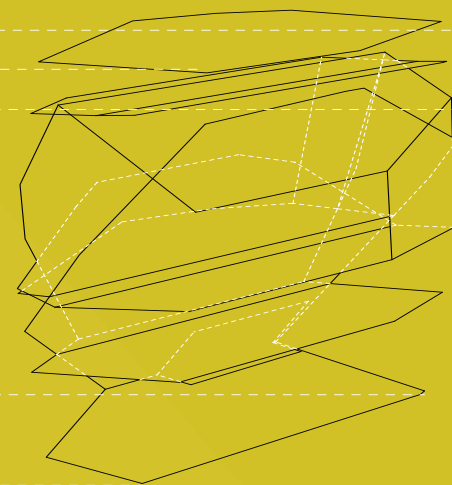
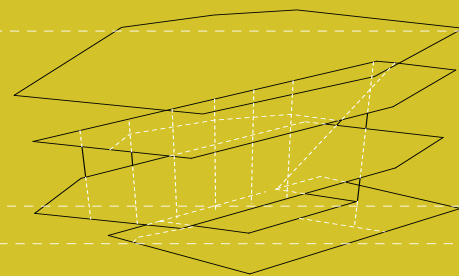
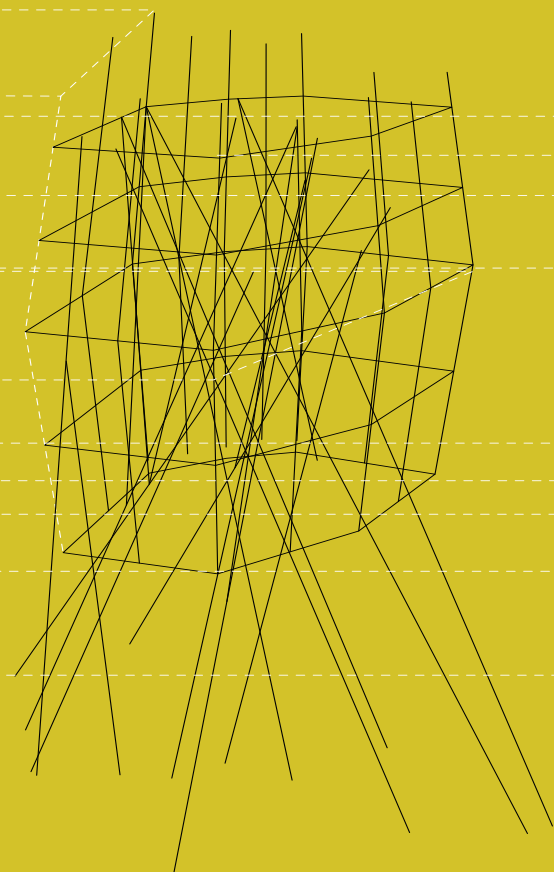


Lighting studies of the building skin





Axonometric studies for the structure system

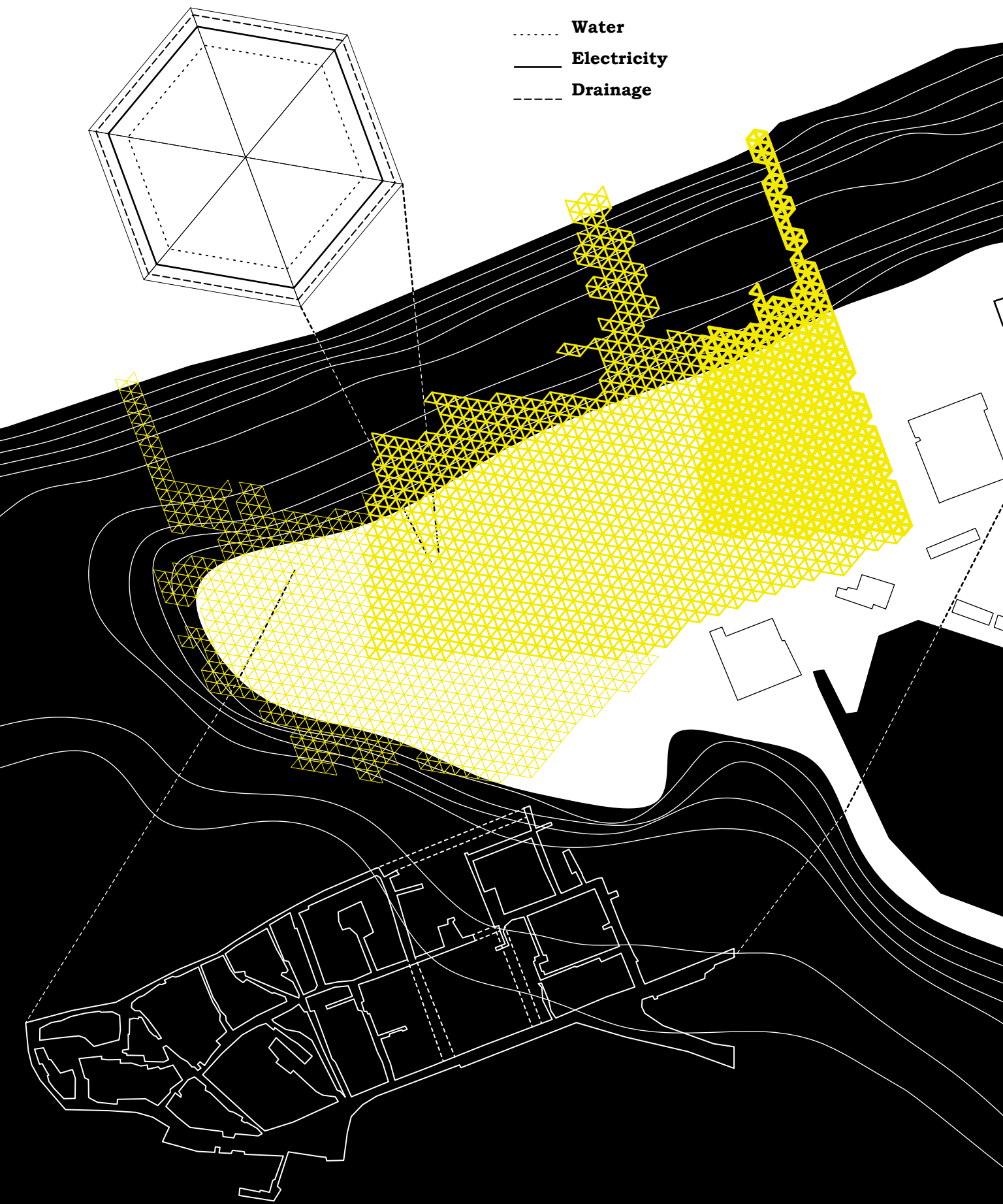


4  
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2  
1

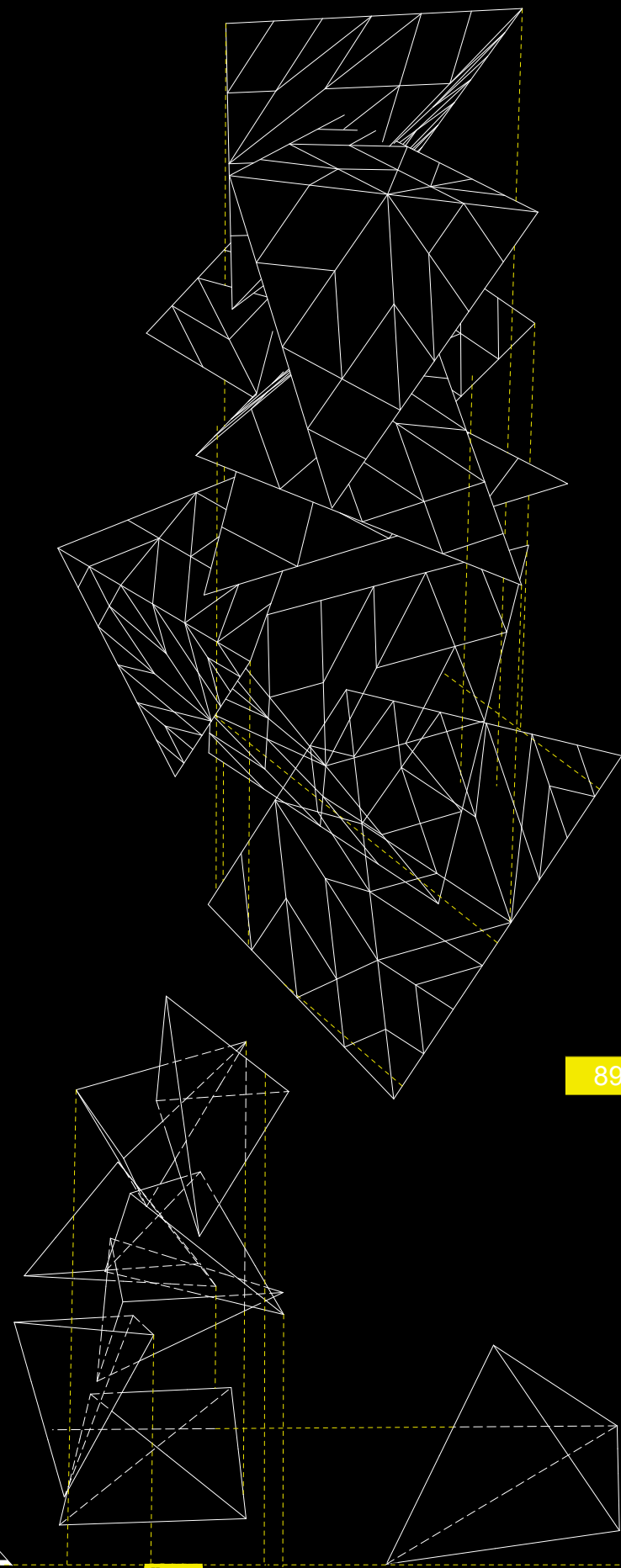
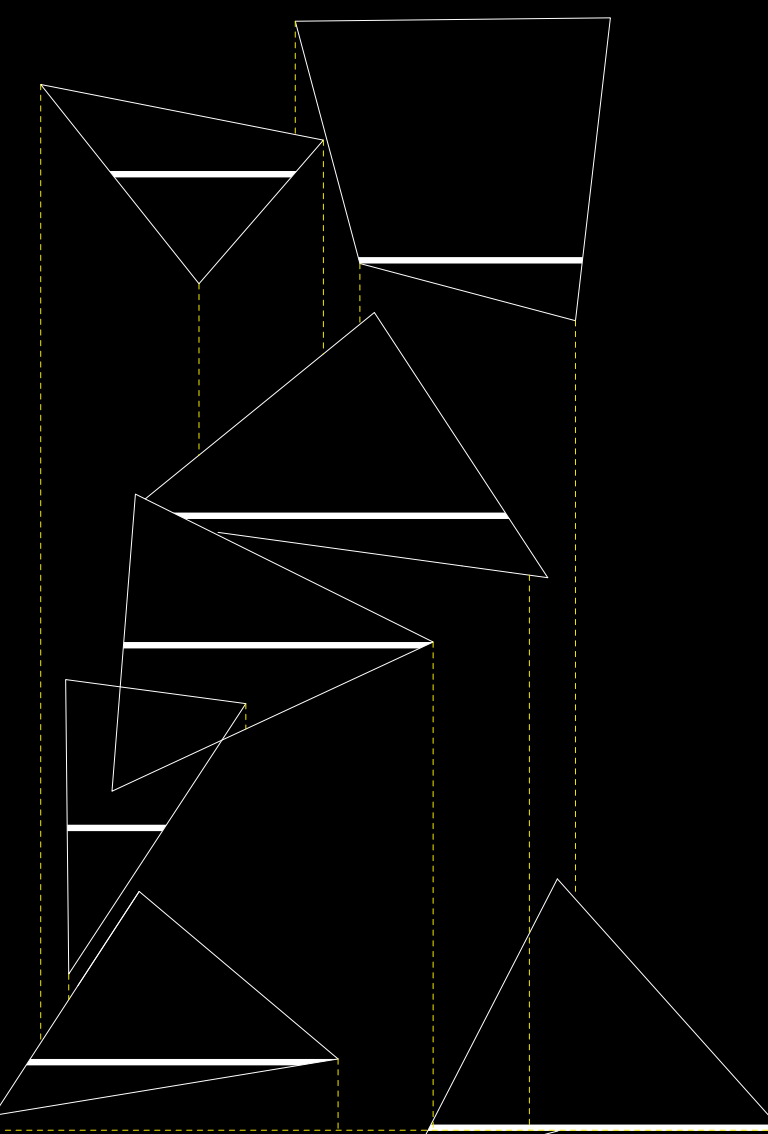
*“Chrono + Logics”*

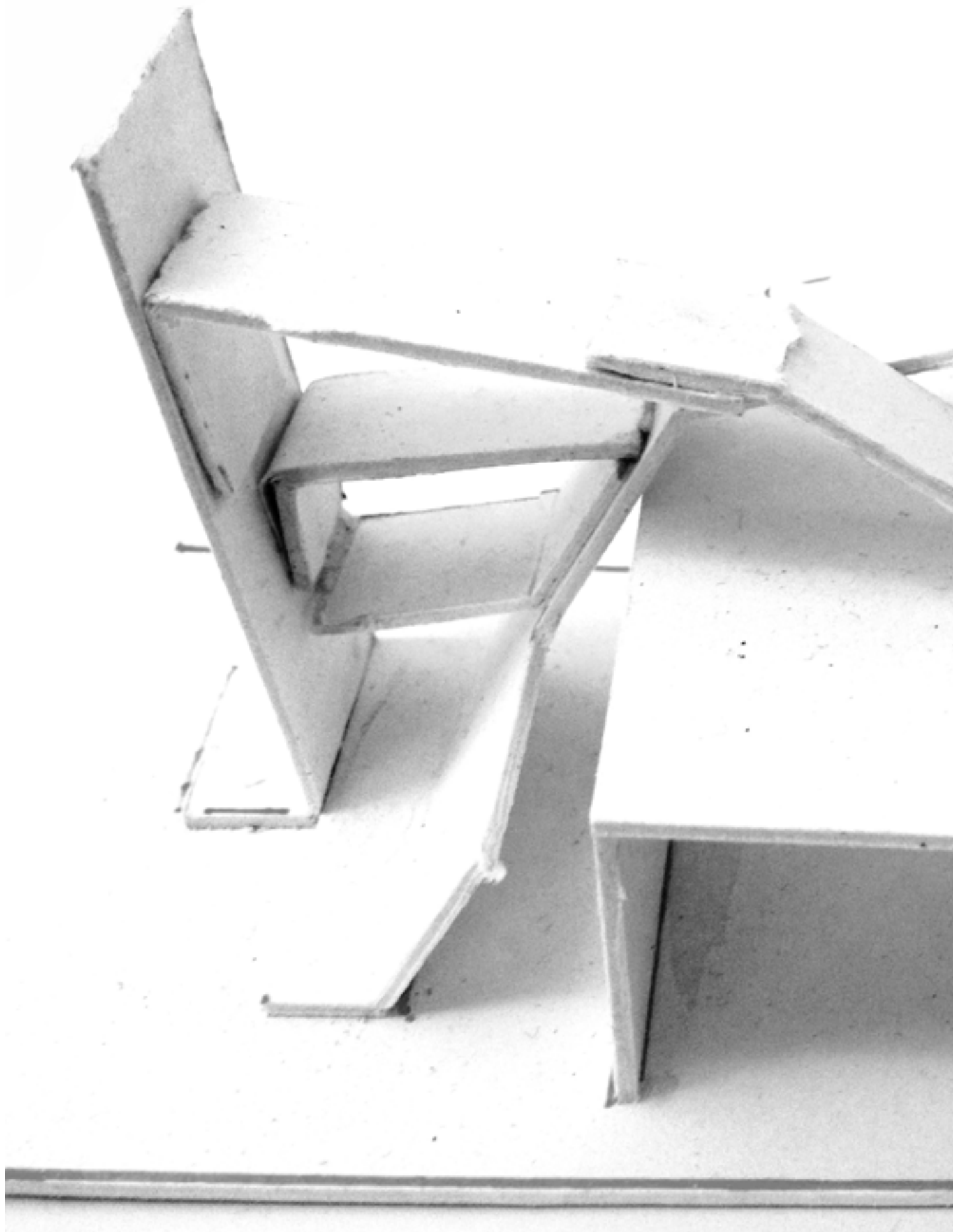
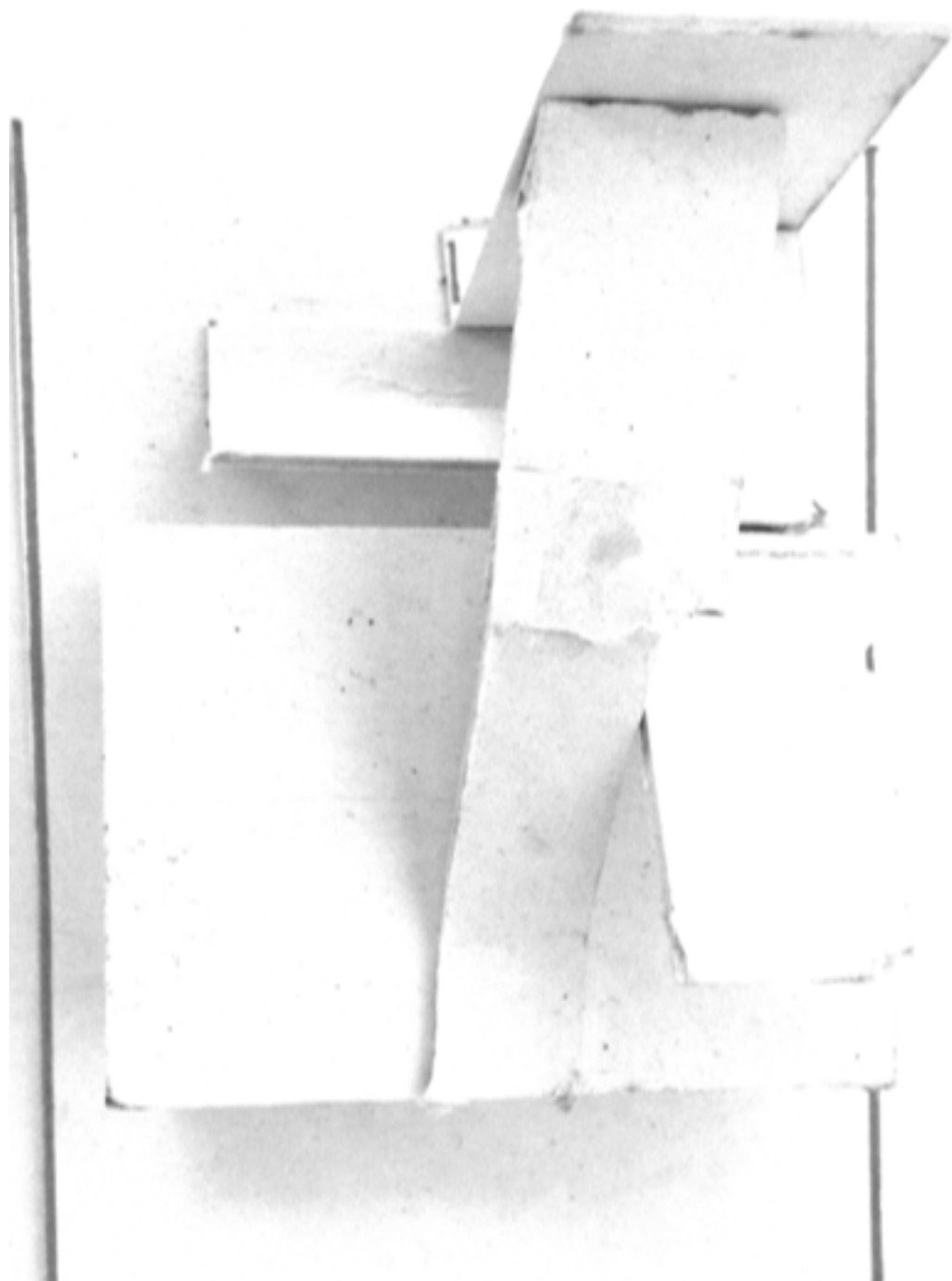
Ahmed Shokir





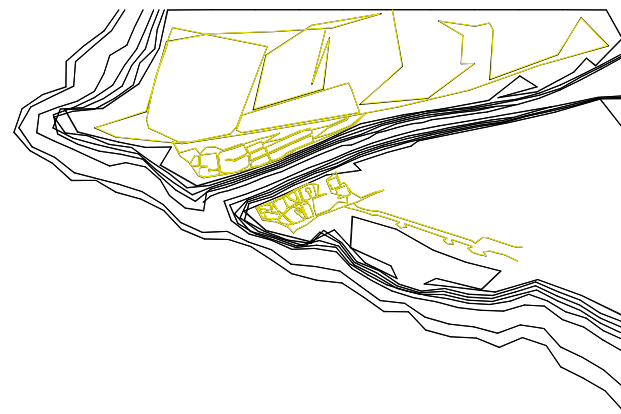
House: generated with the intention to expand in the future, after investigating the nature of the site and it's surrounding and the nature of informal settlements and their tendency to grow. This house explores this idea with the potential of generation with the intention to maintain the same proportion. Thus giving the zone a clear and specific spirit.



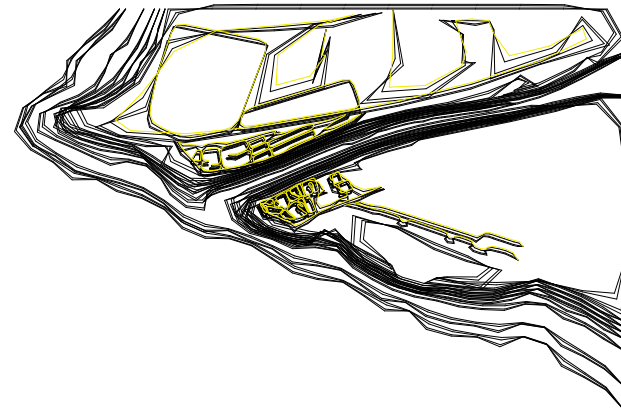




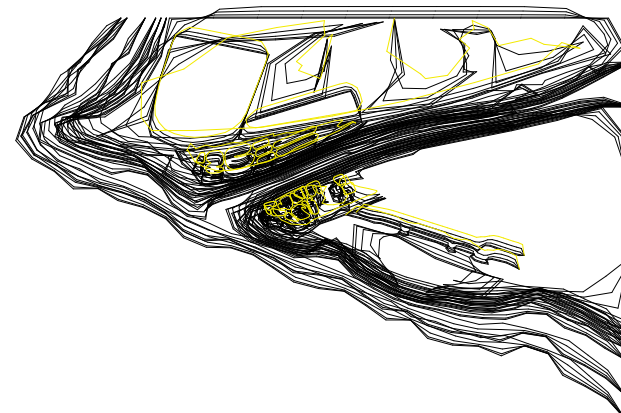
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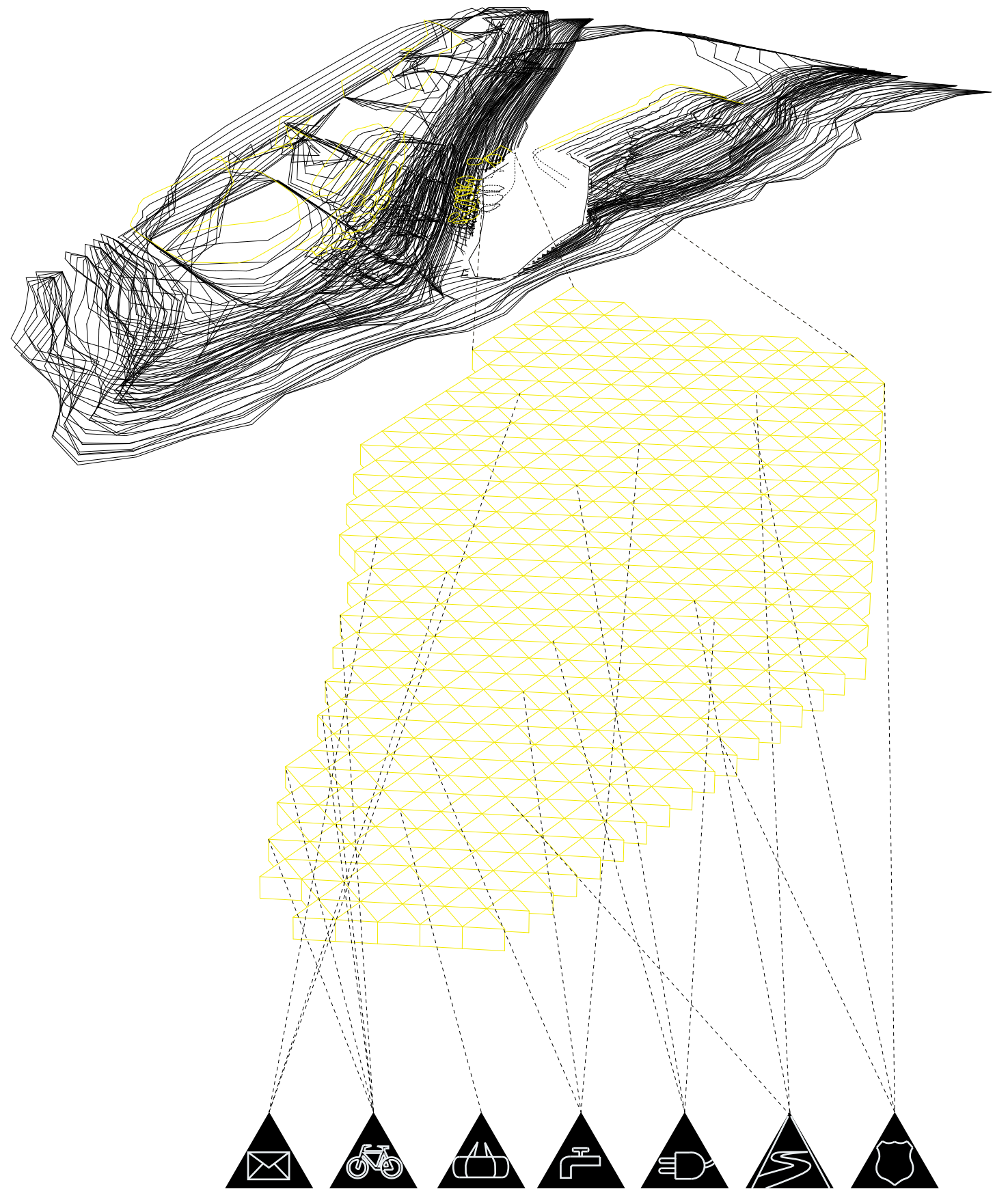
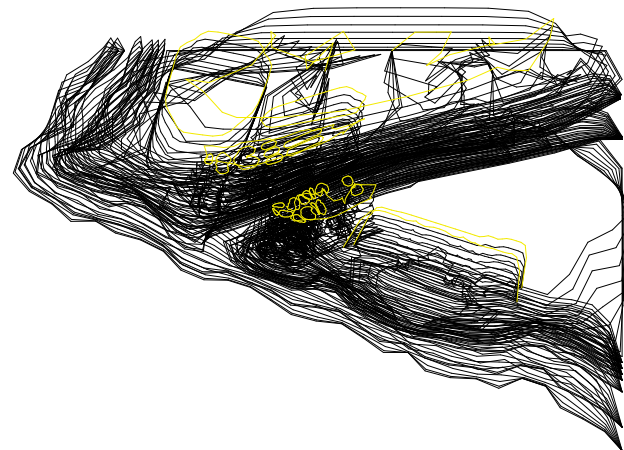
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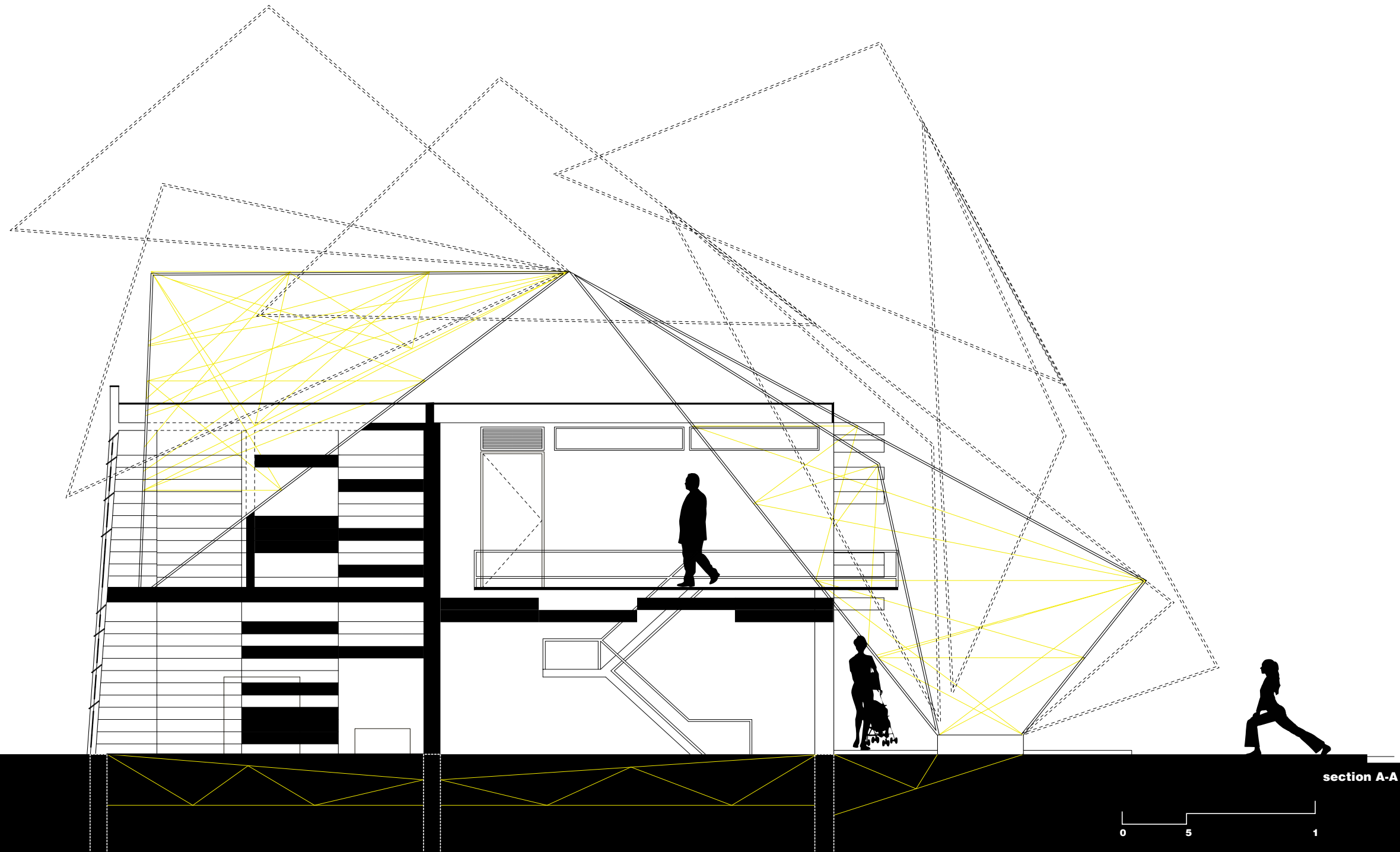


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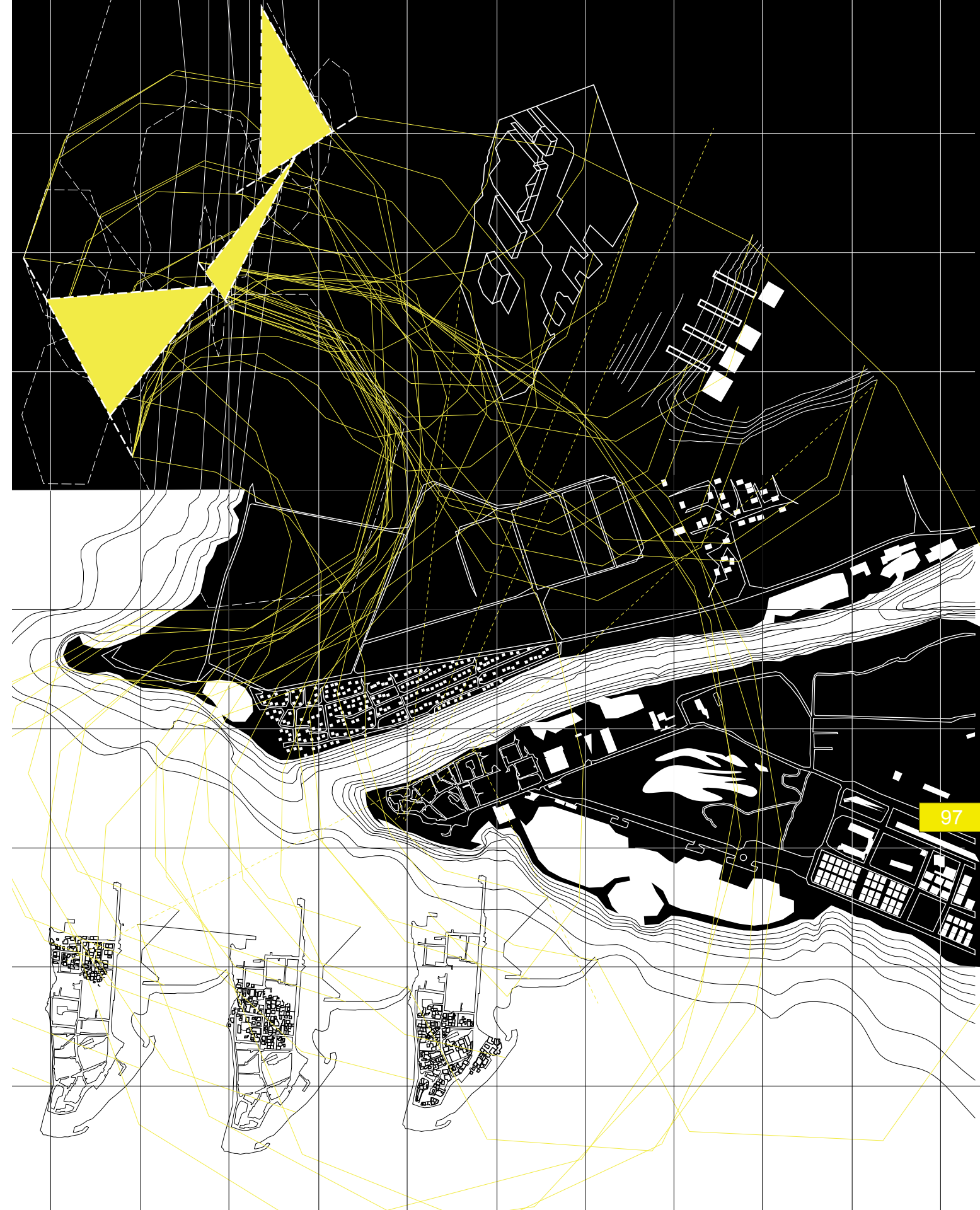
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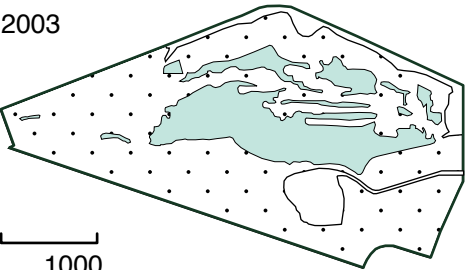
*The site historical layers, forms and proportions are investigated through three different timelines.*



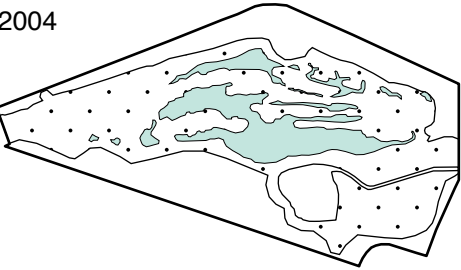
*“Habitat Rotazione”*

Martin Garcia

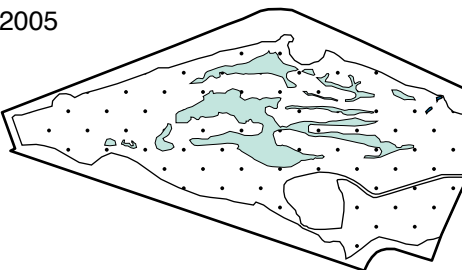
2003



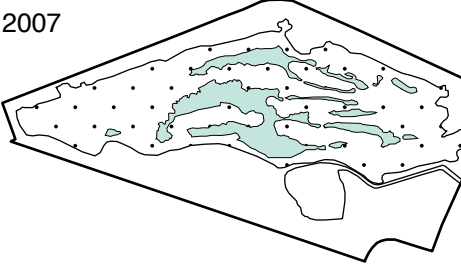
2004



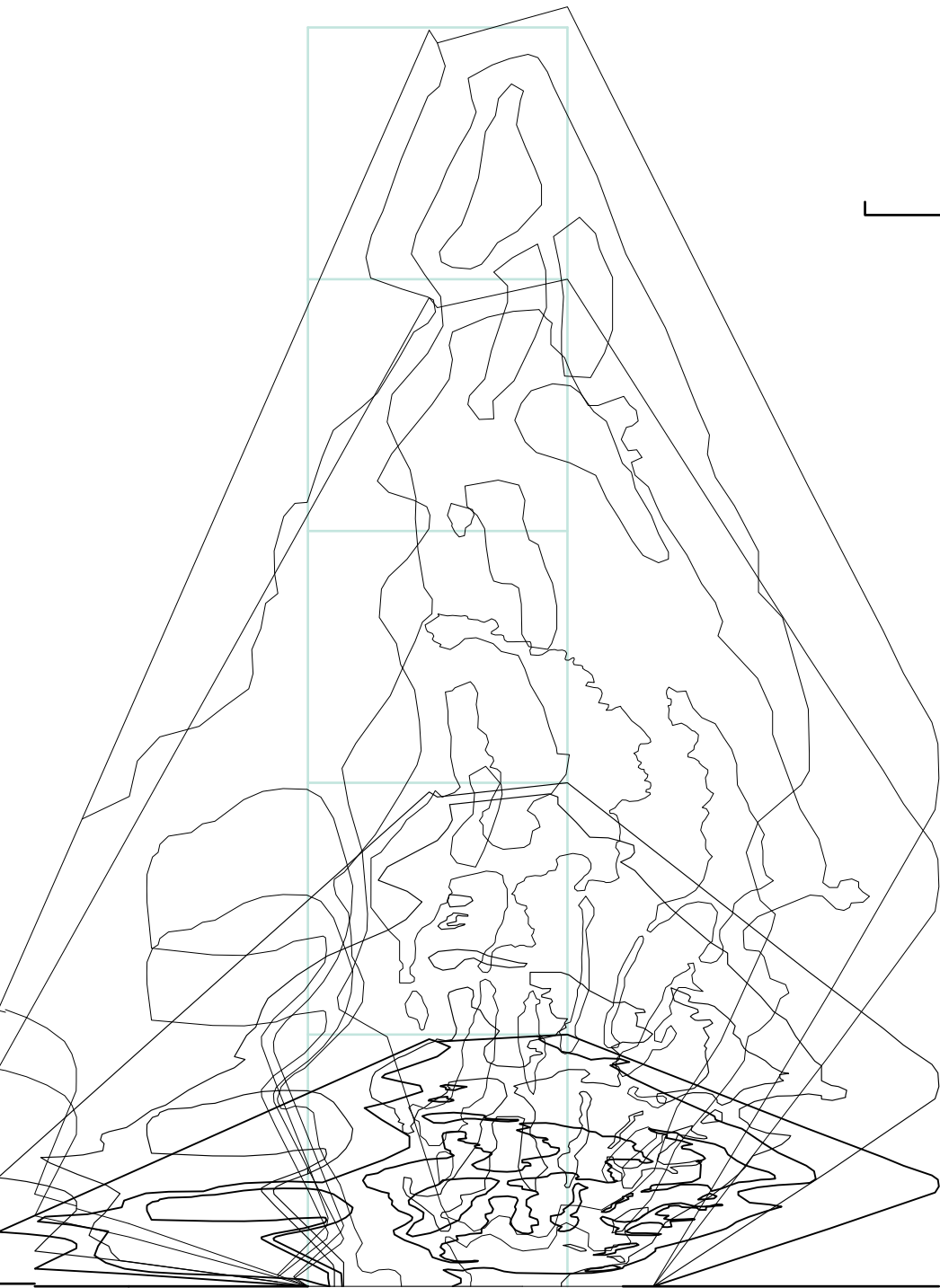
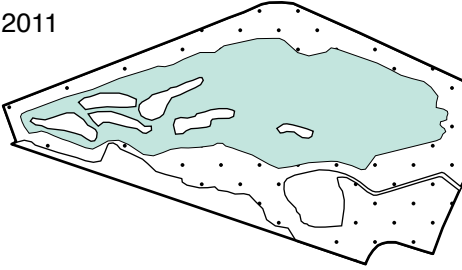
2005



2007



2011

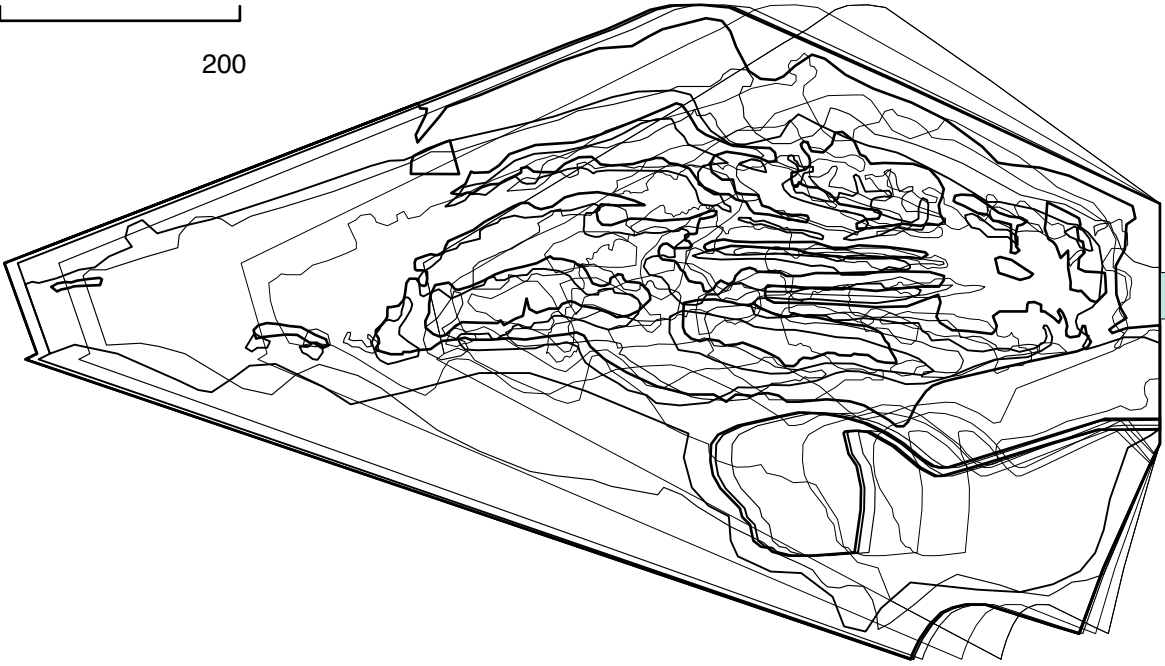


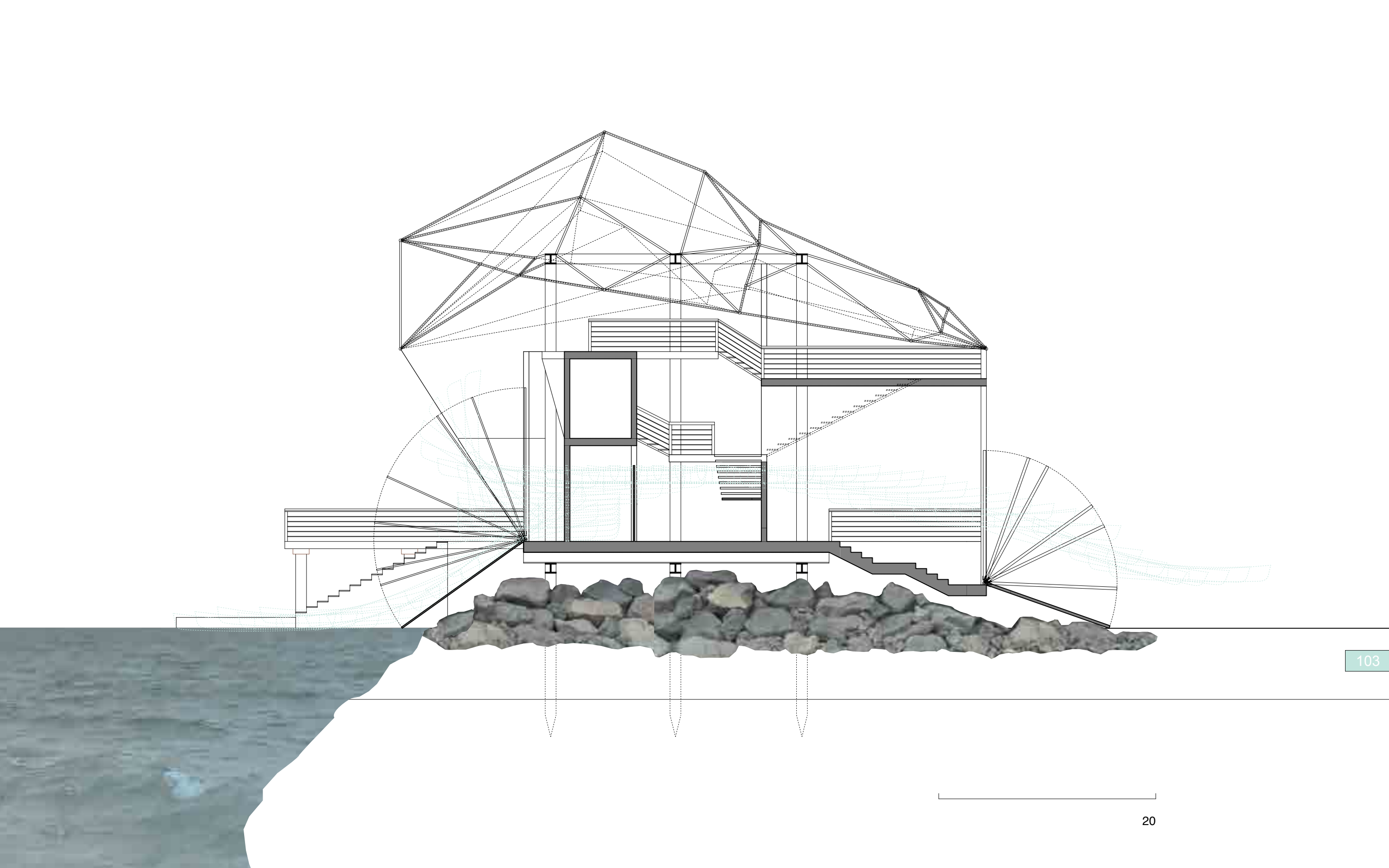
## EDGE 8

There are edges surrounding Idroscalo from all sides, even internally. A marshland exists adjacent to the housing fabric that has seen significant changes. The amount of water within the marshland has fluctuated over time. Analyzing the water levels it is apparent that the years with the most significant water levels were 2003 and 2011. The chronographic indicator is used to three dimensionally show the shifting water levels over time.

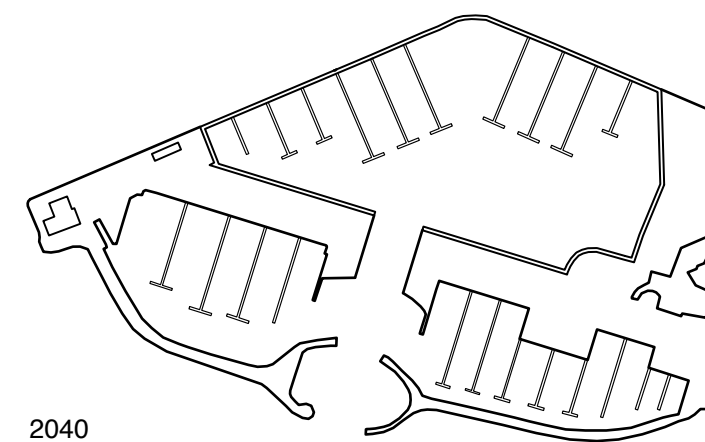
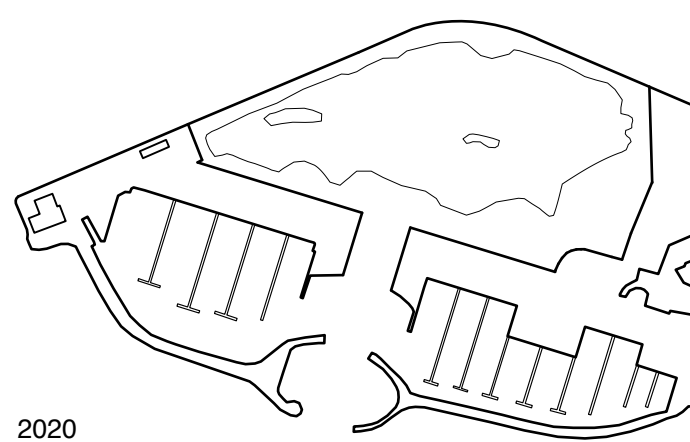
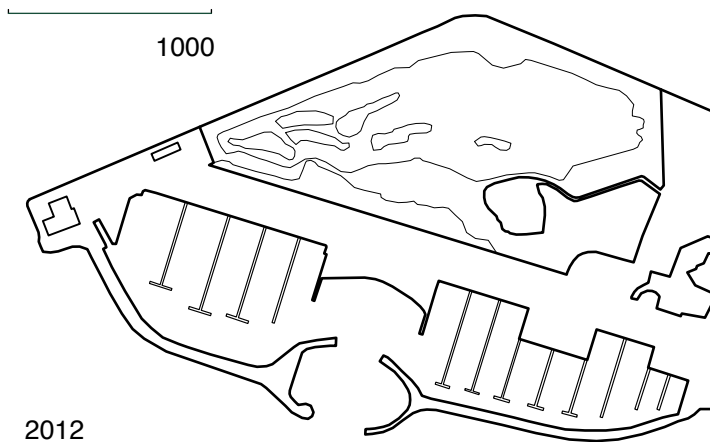


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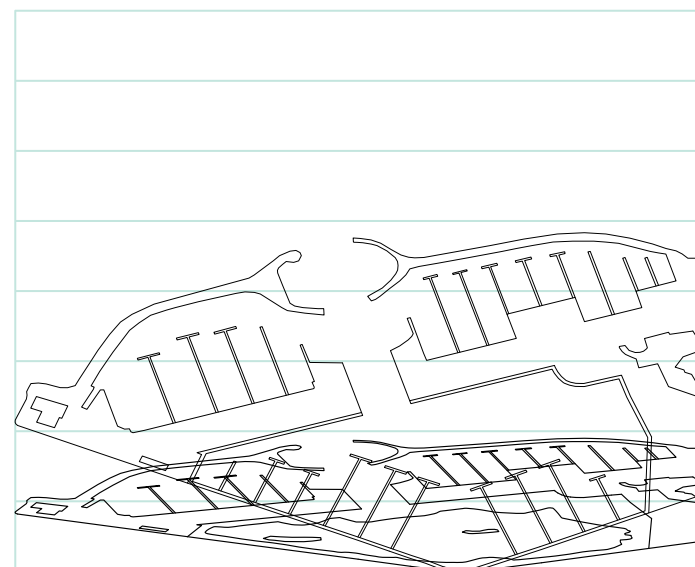
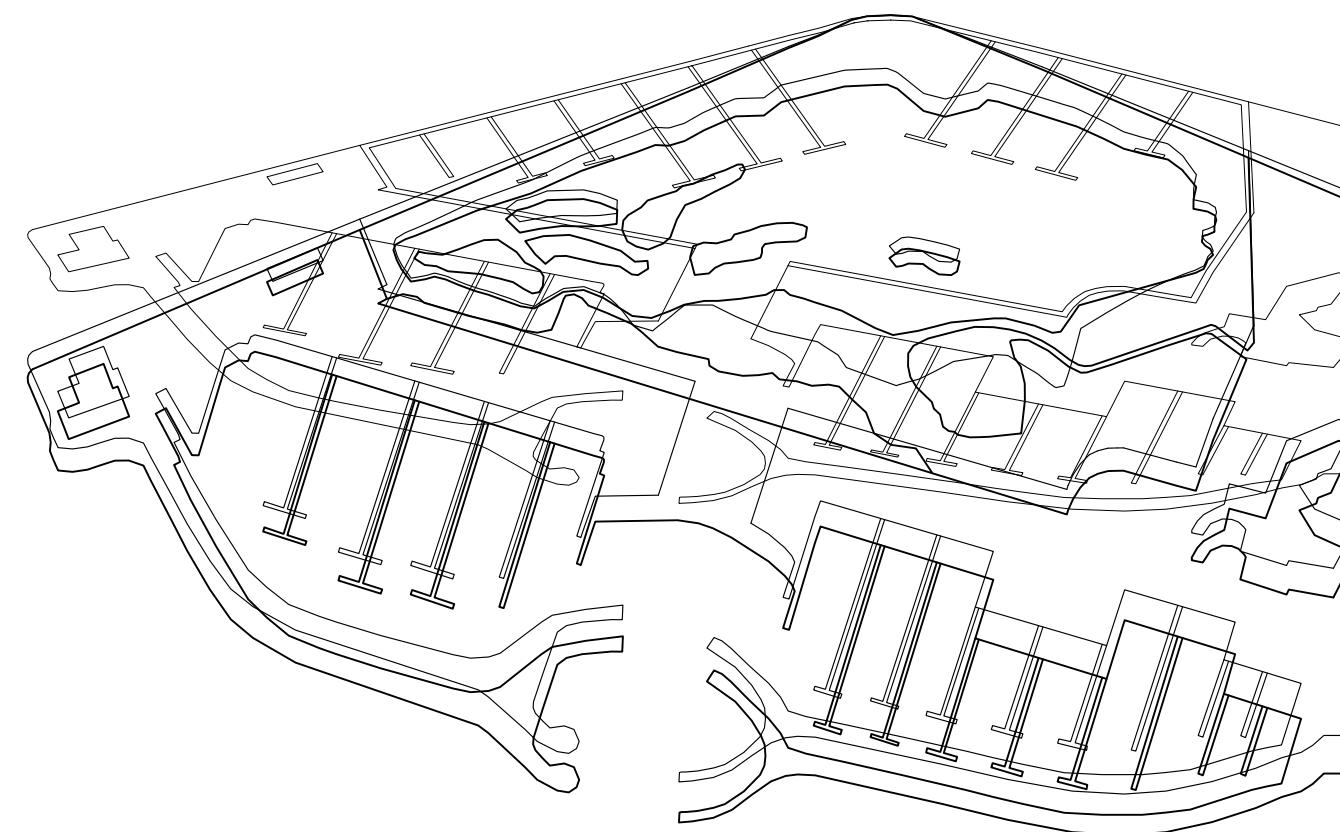
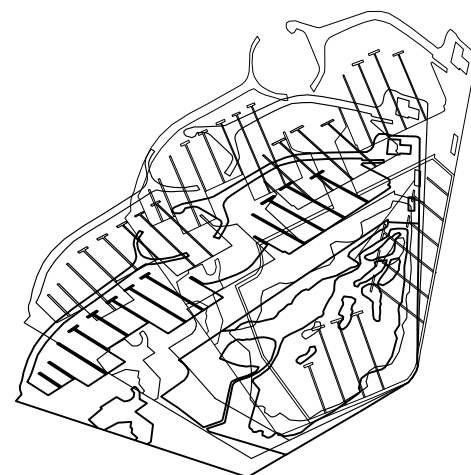


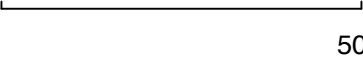




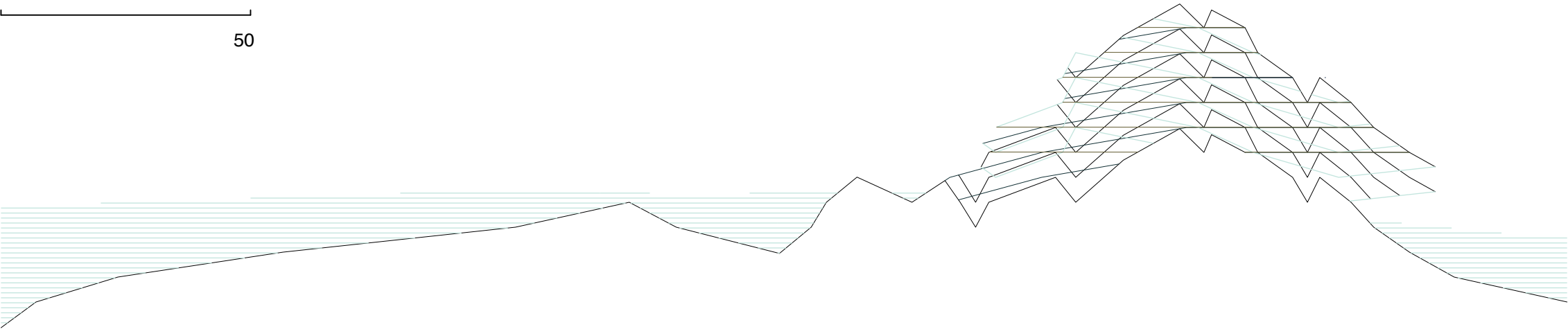
## EDGE 3

The internal edge of the Idroscalo looks at the relationship between the marshland and the ports. These two spaces are separated by a thin piece of land which connects the Idroscalo to other adjacent areas. The Marshland which has shown increasing water levels between 2003 and 2011 has no purpose or use. By removing land within the port water can pour into the marshland and create a new, larger port. This would give the marshlands a purpose which the Idroscalo residents can have access too.

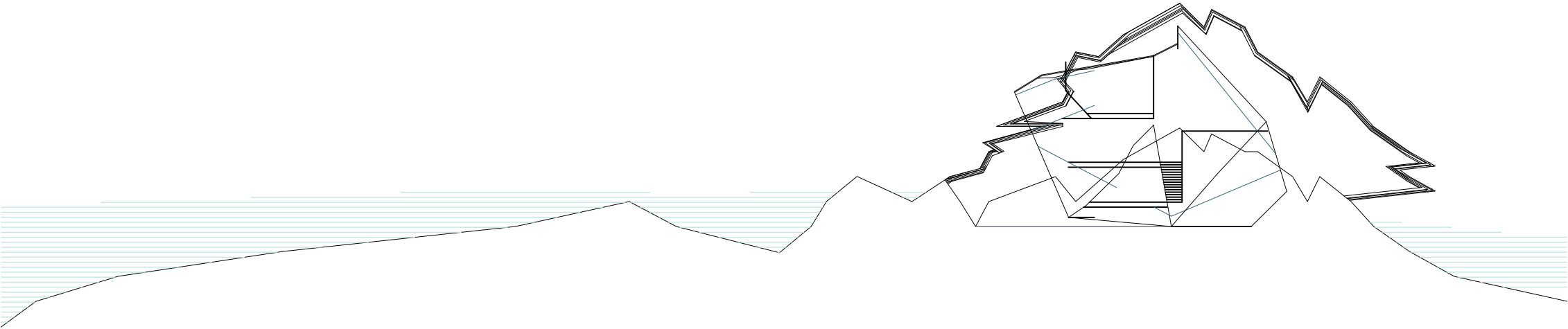




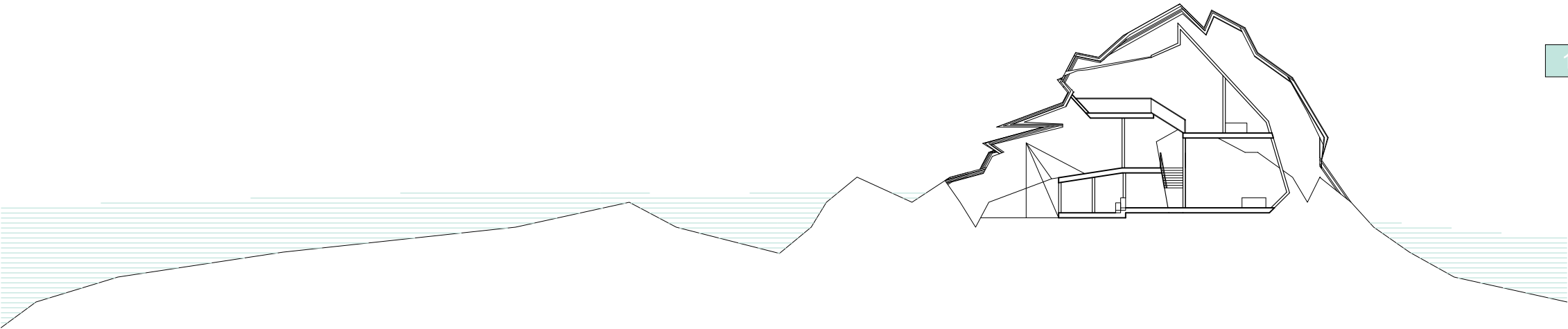
Strata Form



Plan Projected onto Strata Form

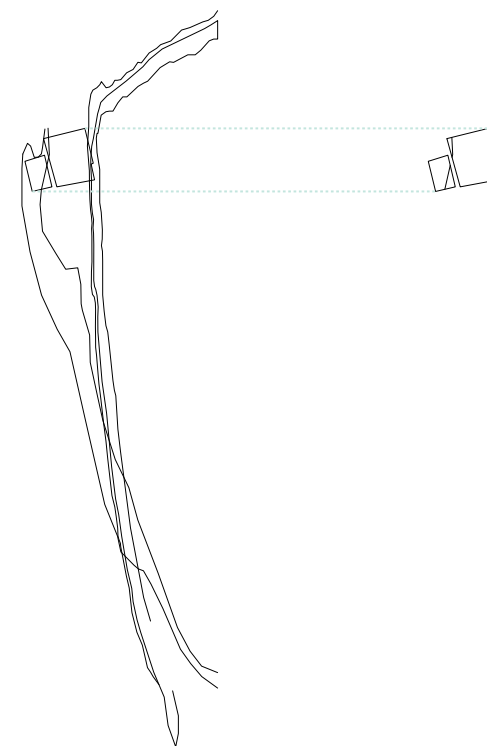
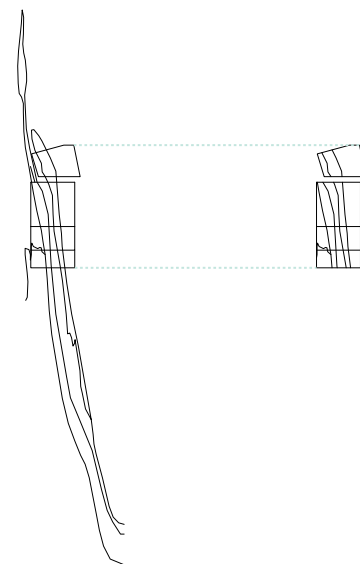
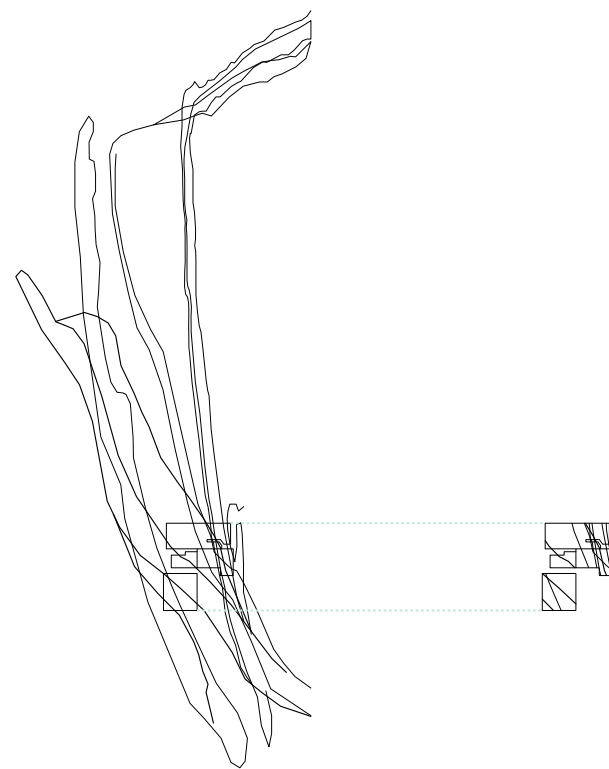
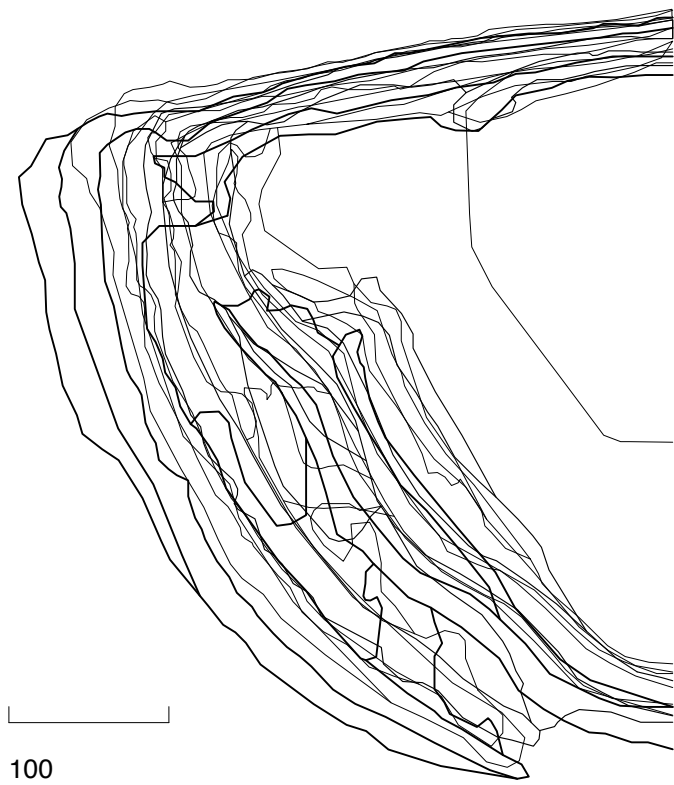


Sectional study of Idroscalo house



VILLAGE 20

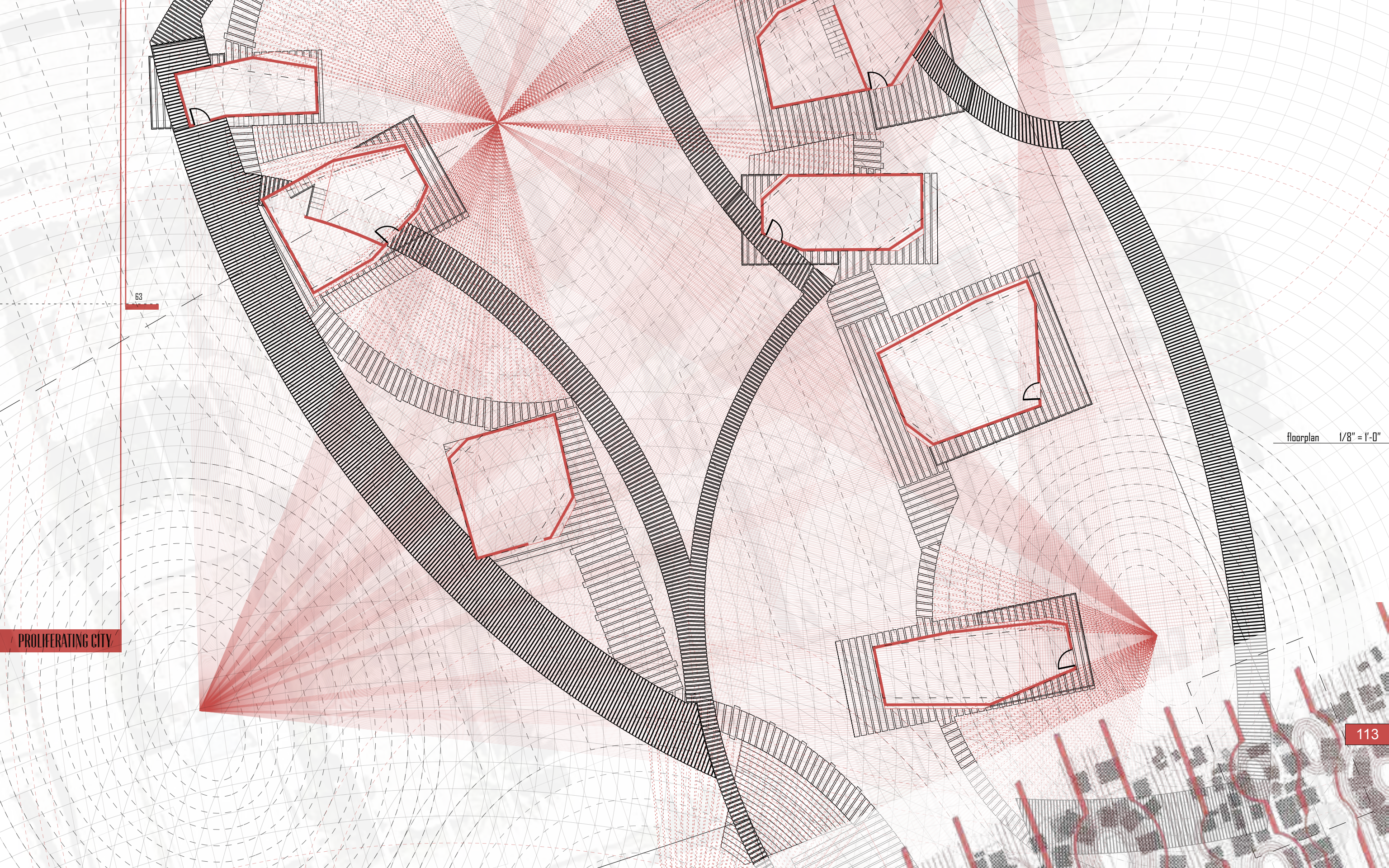
The topographic strata is isolated in order to see only the lines that are changing the rban fabric. Multiple areas within the village are being shown.



*“The Proliferating City”*

Kristine Edinchikyan





63

floorplan 1/8" = 1'-0"

PROLIFERATING CITY

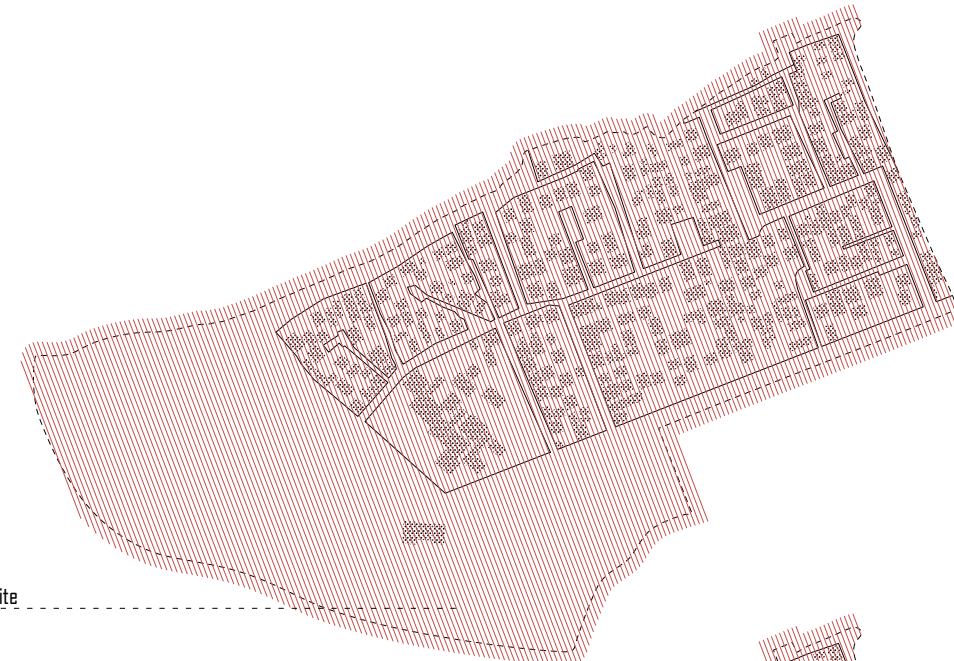
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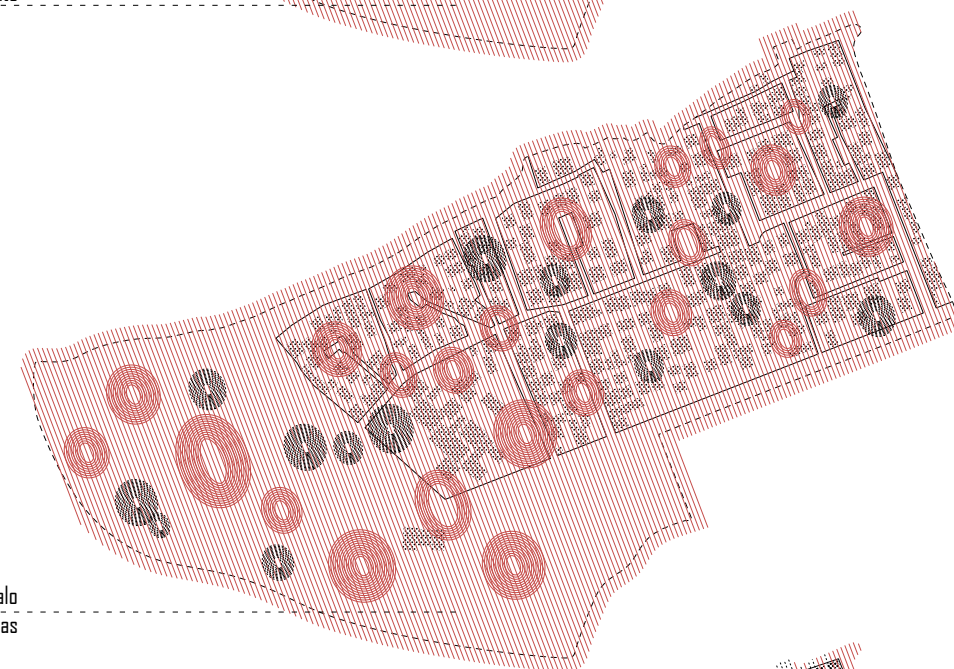
the progression into developing a final system begins with the initial grid system which is super-imposed onto idroscalo for the potential direction and placement of bridges. then by locating existing but unused open spaces throughout the city potential drops of **spaces** are imposed and create a rippling effect from the centers of the spaces. locating multiple potential open spaces then disrupts the system further through the multiple ripples that invade one another. this invasion throughout the site allows for moments in which bridges can create **connections** to different bridges, piazzas, neighborhoods and housing units.

## DISRUPTING ELEMENTS

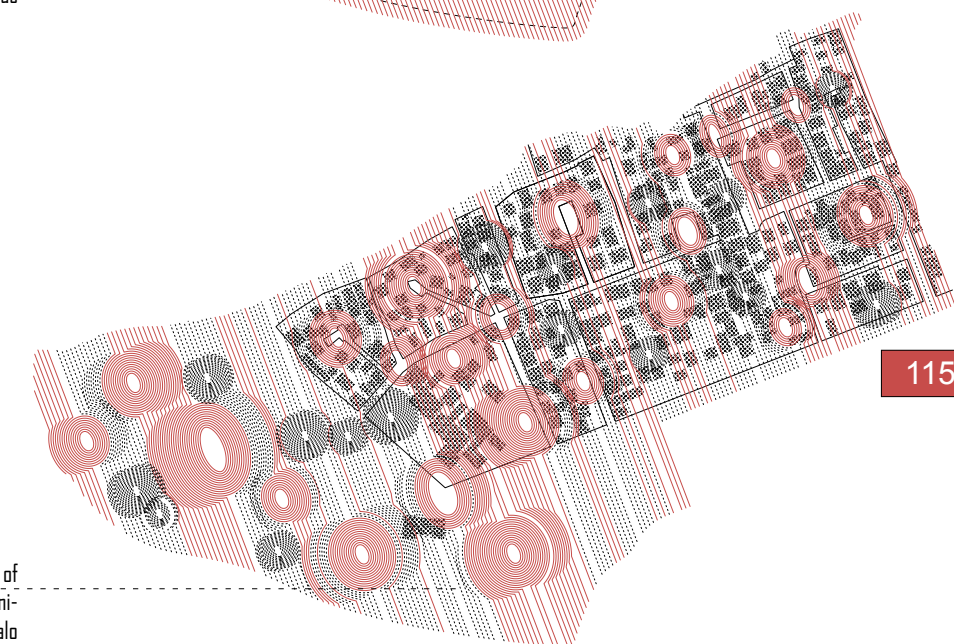
initial grid imposed on the site



using existing open areas in idroscalo to create potential piazzas



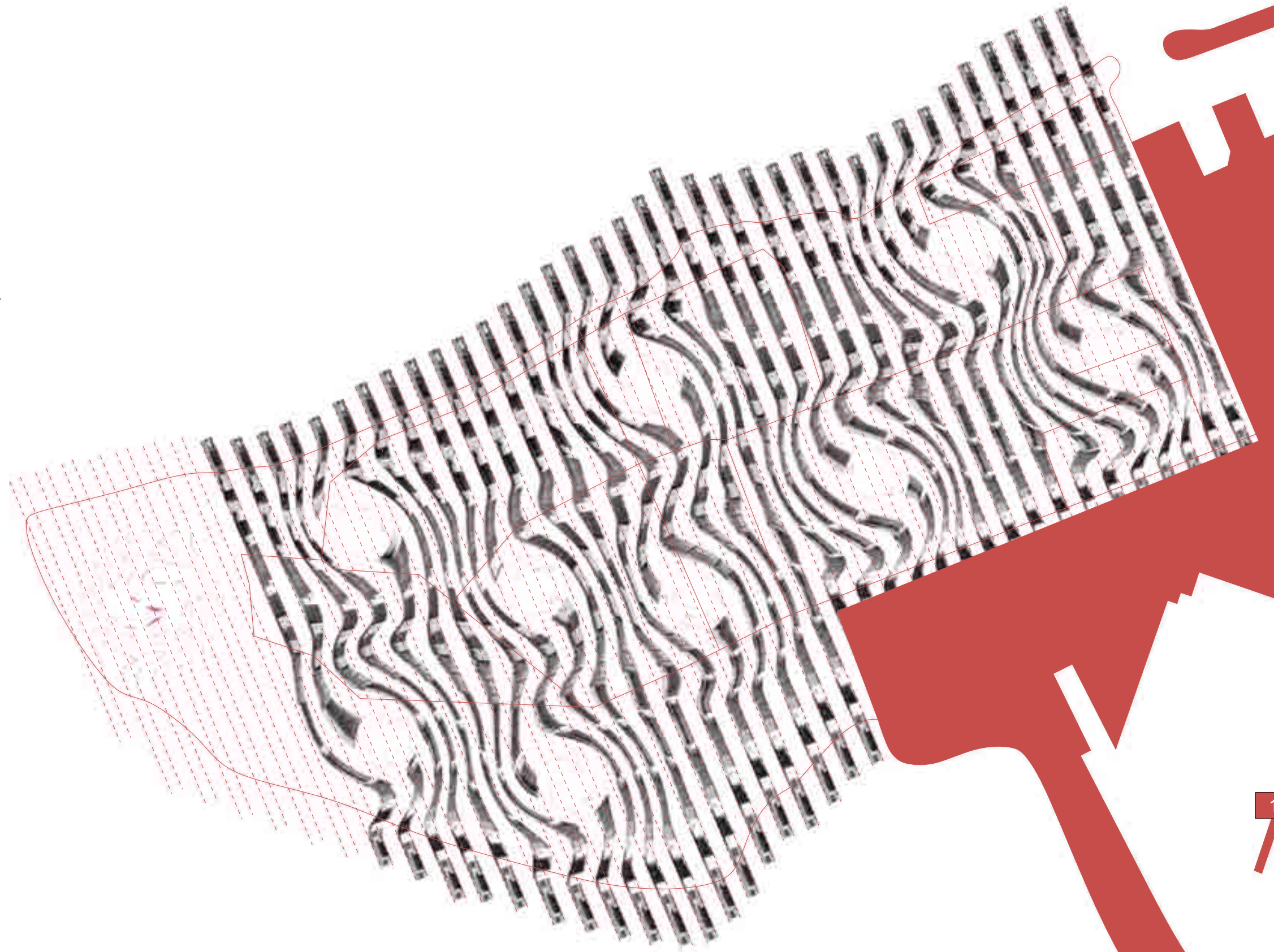
deforming the grid with the rippling of the piazzas within smaller communities in idroscalo





bridges placed onto the site can be effected by momements of open spaces as forms of controlled storms within smaller groups of housing.

## VILLAGE





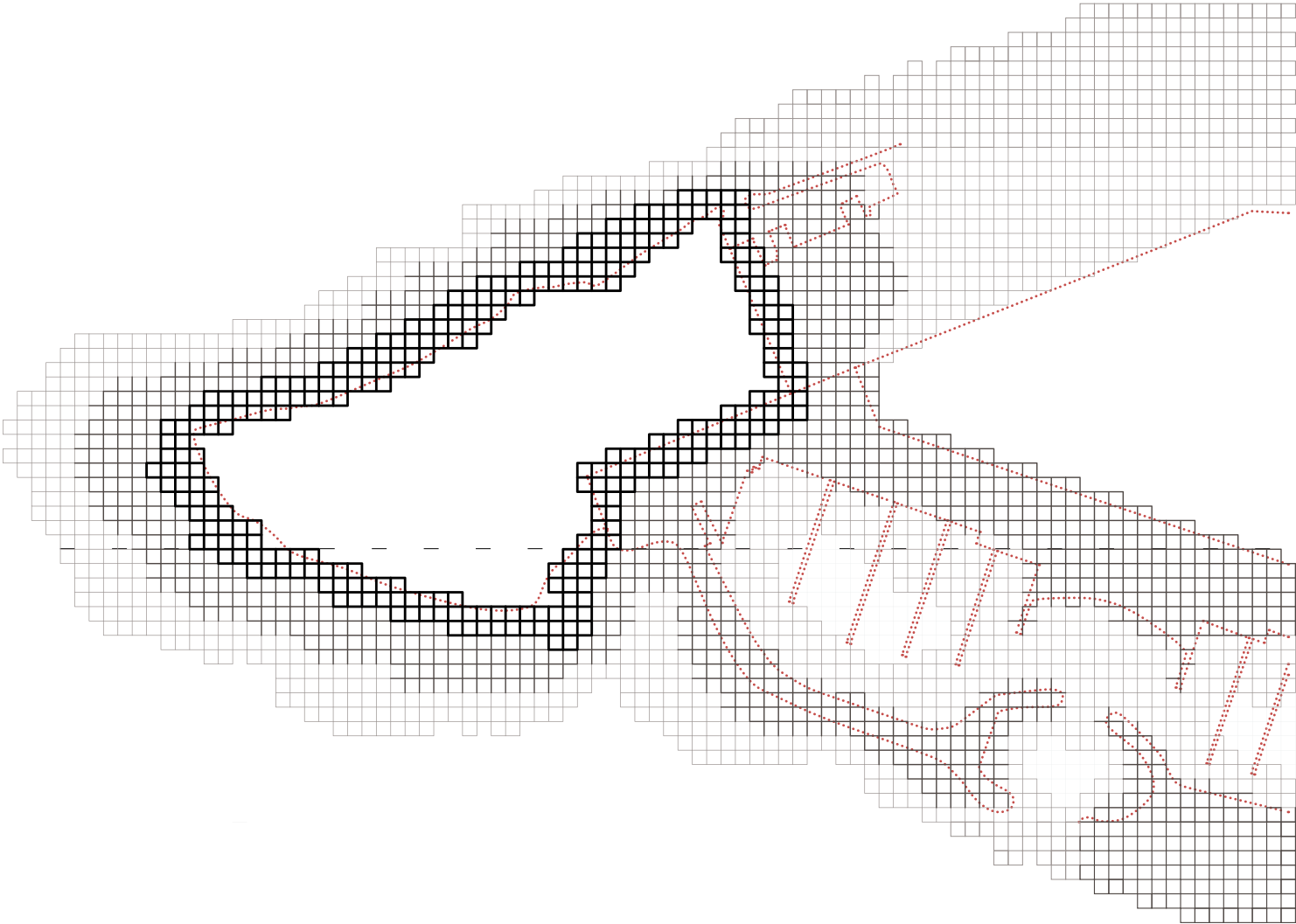
creation of piazzas according to moments of open space within smaller neighborhoods in idroscalo





EDGE

the edge condition of idroscalo is defined by the conditions of the elements and neighborhoods that surround the city. on two sides it's bordered by water, both the tiber river and the tyrrhenean sea. to the east, idroscalo is being imposed upon by the new marina development which threatens to push into the city and continue its aggressive redevelopment. because of these issues idroscalo's edges are not its own but are the **imposition** of the systems that surround it.



tiber river

idroscalo

marina

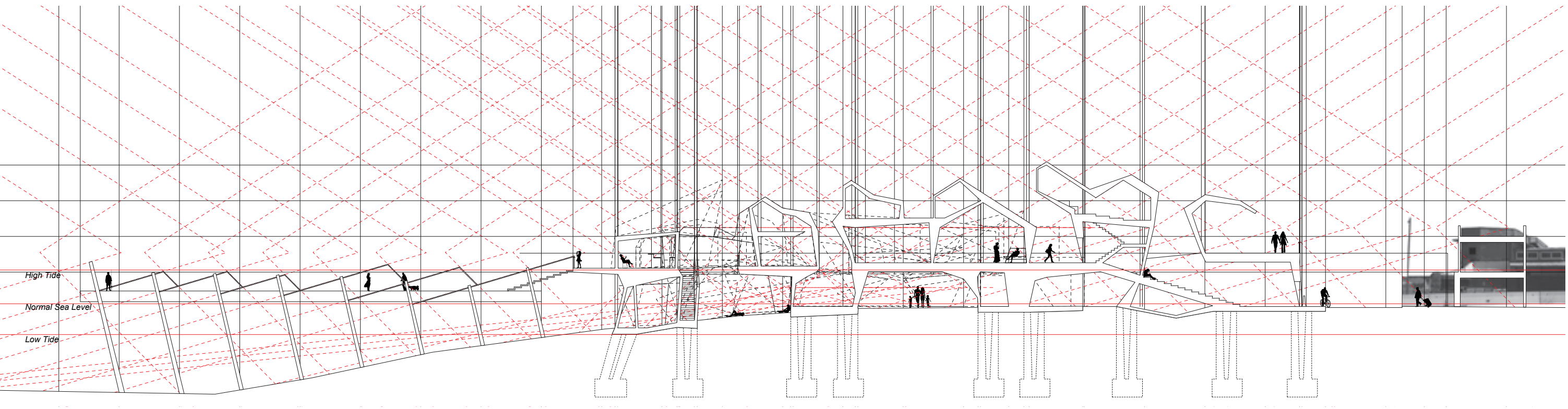
ostia porto

*“Public House”*

Jeff Moro

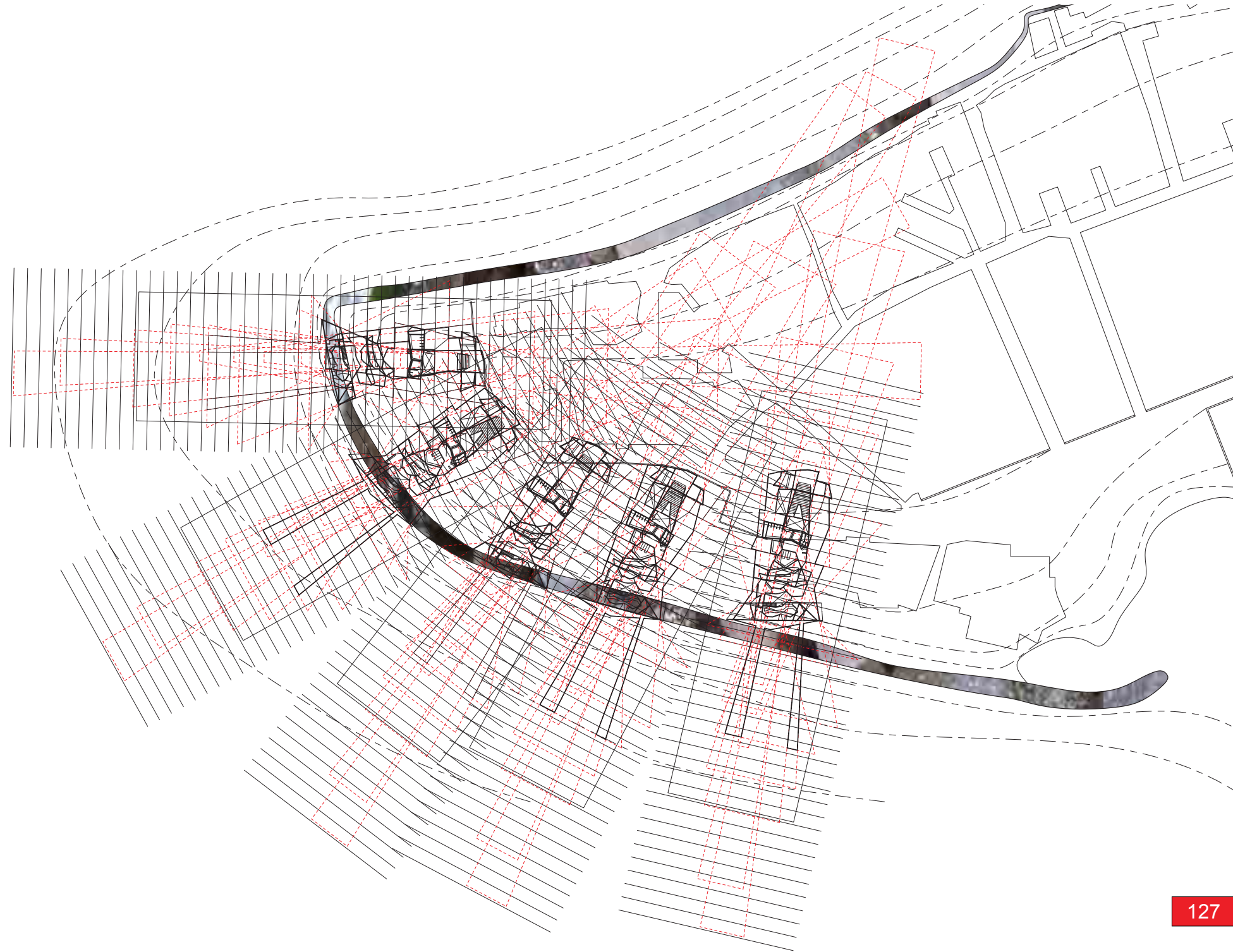
# Sectional Connections

The First Level consists of the public and private beach zones as well as, storage, maintenance rooms, retail space, and a restroom/ changing space with showers. The Second level is the transitions zone of public and private spaces that are use different throughout the day. The day use of the spaces can support a restaurant while night time use can be a private shared kitchen the community of Idroscalo uses. The Top level is private rooms for the Citizens of Idroscalo to live above the work place, and manage the entire beach house.



## Urban Planning

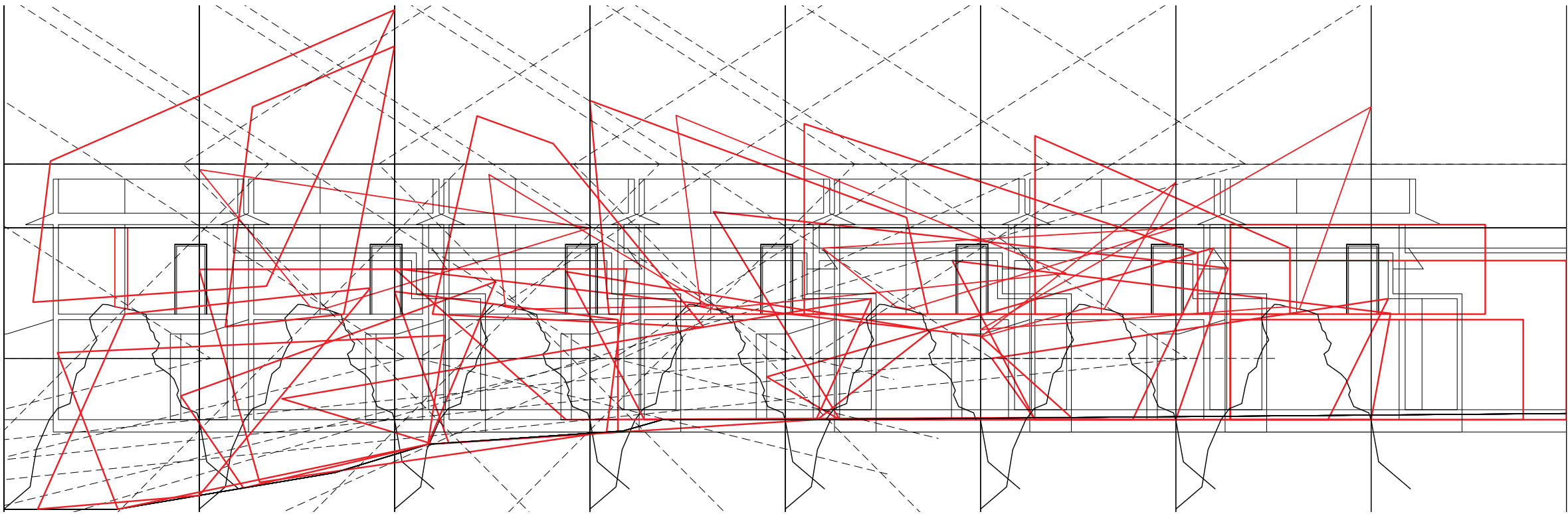
The Public House is a communal “beach” type house that provides a series of mixed-use spaces, both of public and private, and will guide the current residence of Idroscalo to build a new foundation of a long living community. This is the solution provides public space that residence will manage and operate as a business as the next tourist private beach to visit. The private areas are found through different levels and zones along the boardwalk that allows for current residence to live in and manage the boardwalk as well as support the growth for new residence. This beach house allows for improved living conditions and from the economics of the beach will have on the site, The government will finally recognize Idroscalo as a legitimate city and provide them with new utilities they never had legal access to before. Welcome to the Public House.





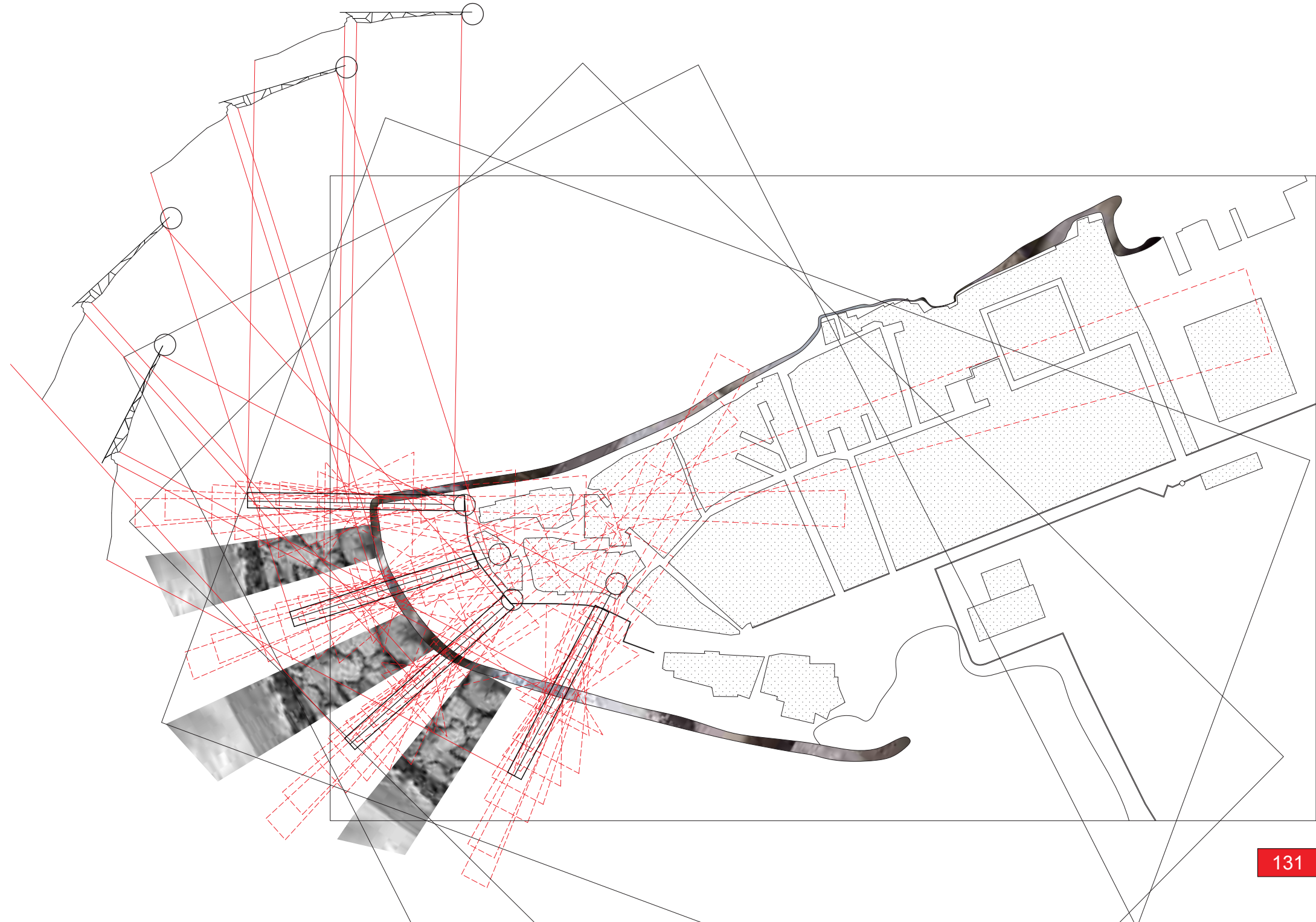
# Diagram

After careful examination and development, the new ideas and concepts of slippage are morphed again into the final generative tool that will be used for planning and design for the site of Idroscalo. This concept is now using conceptual based movements to create a base for the actual construction of the physical object on top of the current break water, while updating the old one to allow for the projected growth of the site. This process allows for the past, present and future projections to dictate the design of each individual unit, and an urban scale planning strategy. This Process is based off of the idea of a flip book, but superimposing multiple frames of drawings over each other. This process is the tool that will generate all of the projects systems, and concepts for a new way of life at Idroscalo.



# Village

The new take on this site is to extend projection lines from the current chronographic events and site conditions over the break water. This creates a design strategy that allows for a new boardwalk to be constructed. This mixed-use program is added within the housing units to provide the clash of private and public programs that push the neighbors to form a stronger community. The future projection of Idroscalo is now an external and internal community of people place and objective.



# Strata

Time is the major factor when examining the strata of a site. The site of Idroscalo is manipulated and mutilated by external forces - ie. Political power, population, and class status - but the result is only by its relation to time. This is only possible if the concept of time is viewed as a movement and not a static. The site is a composite of different layers both figurative and literal. This topic looks into the strata of the cultures that inhabit Idroscalo and how each passing year builds on the last. The drawing shows the clear relation of the events plotted through time over the site of Idroscalo and the effect it has on the density of the inhabitants movements.

