

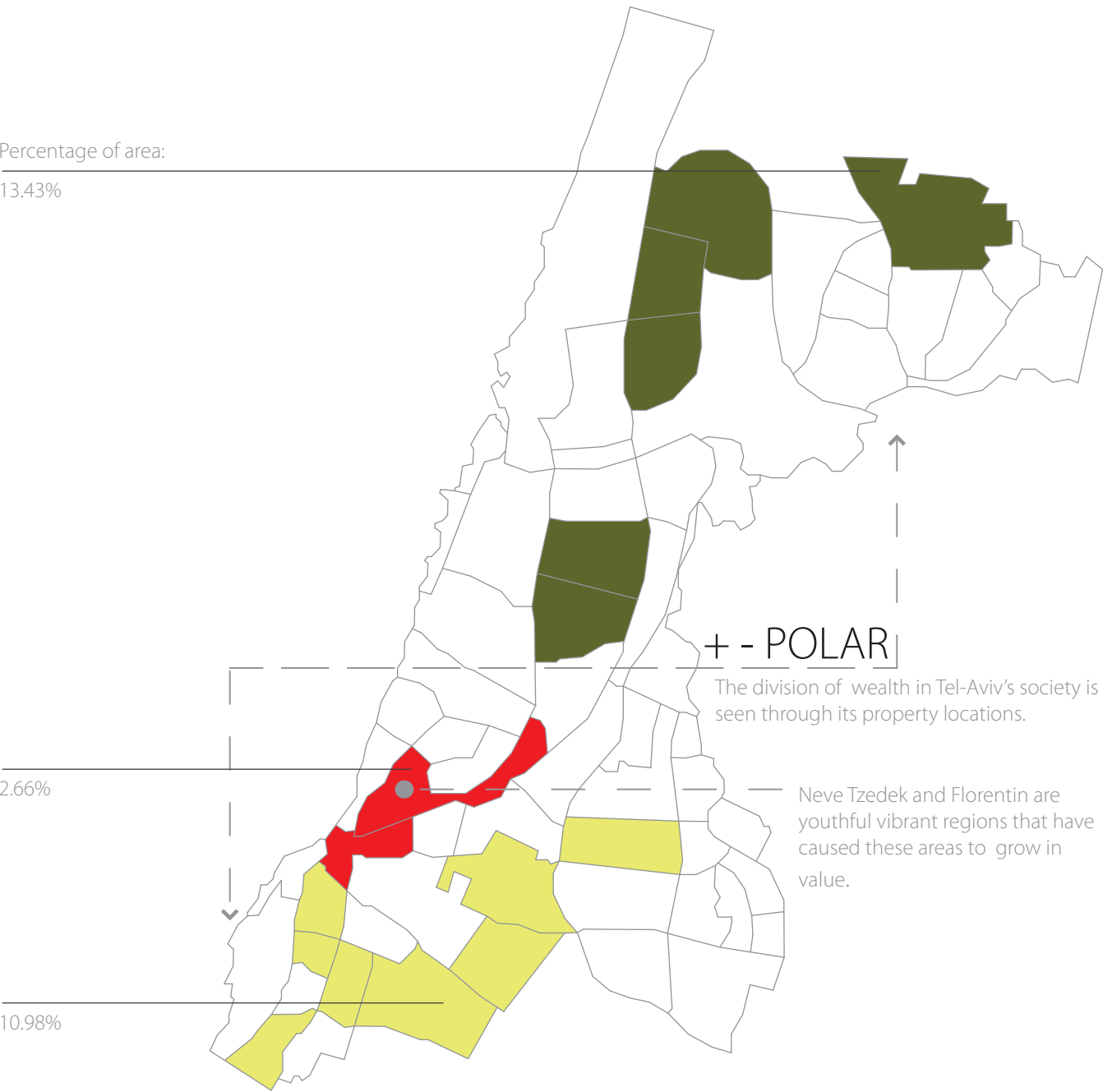
# A1 GATED SPRAWL + ECONOMIC DENSITY

S.M PER PERSON : SOCIO ECONOMIC INDEX



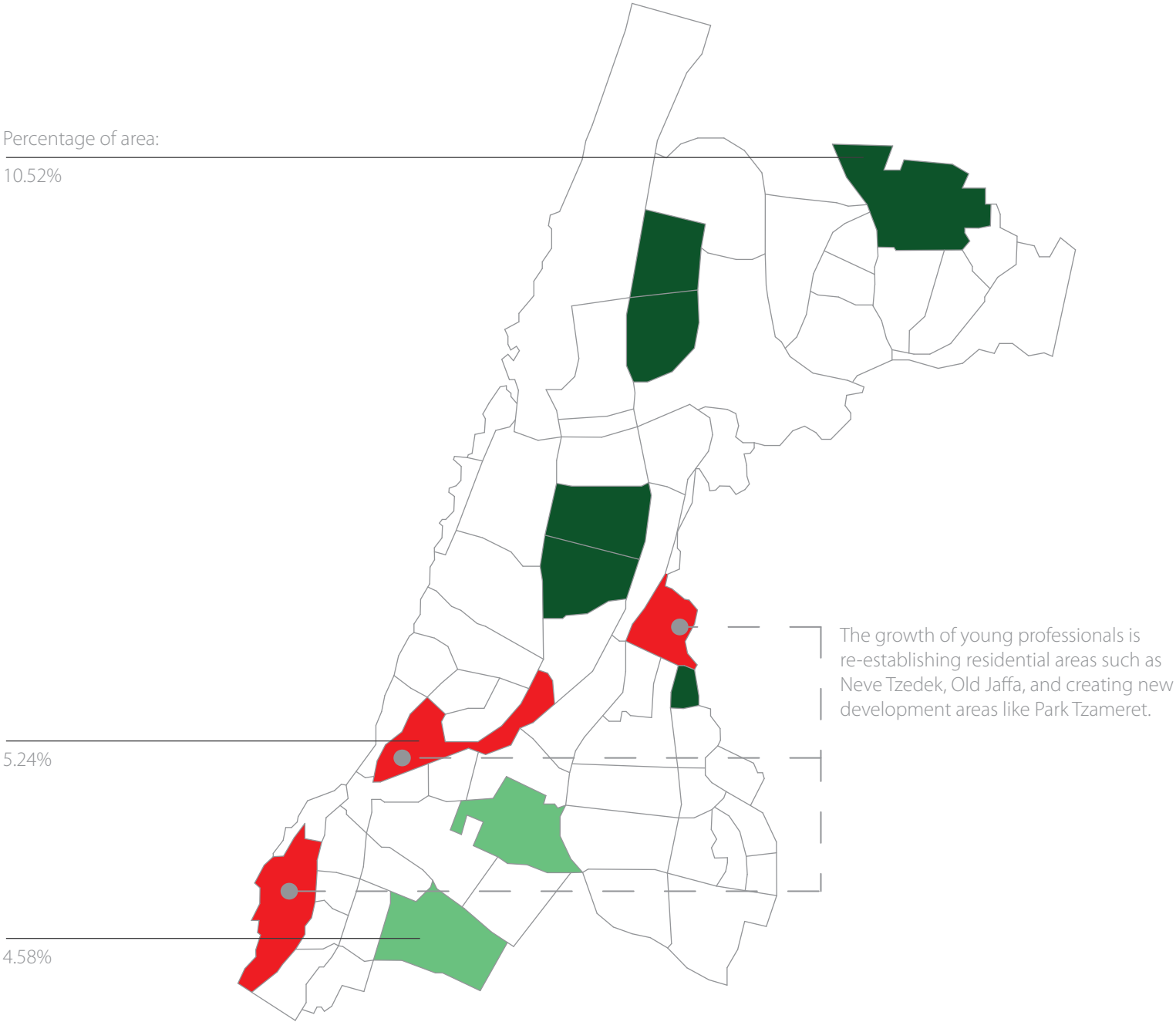
# A2 + - POLAR

SOCIO ECONOMIC INDEX : PROPERTY PRICES



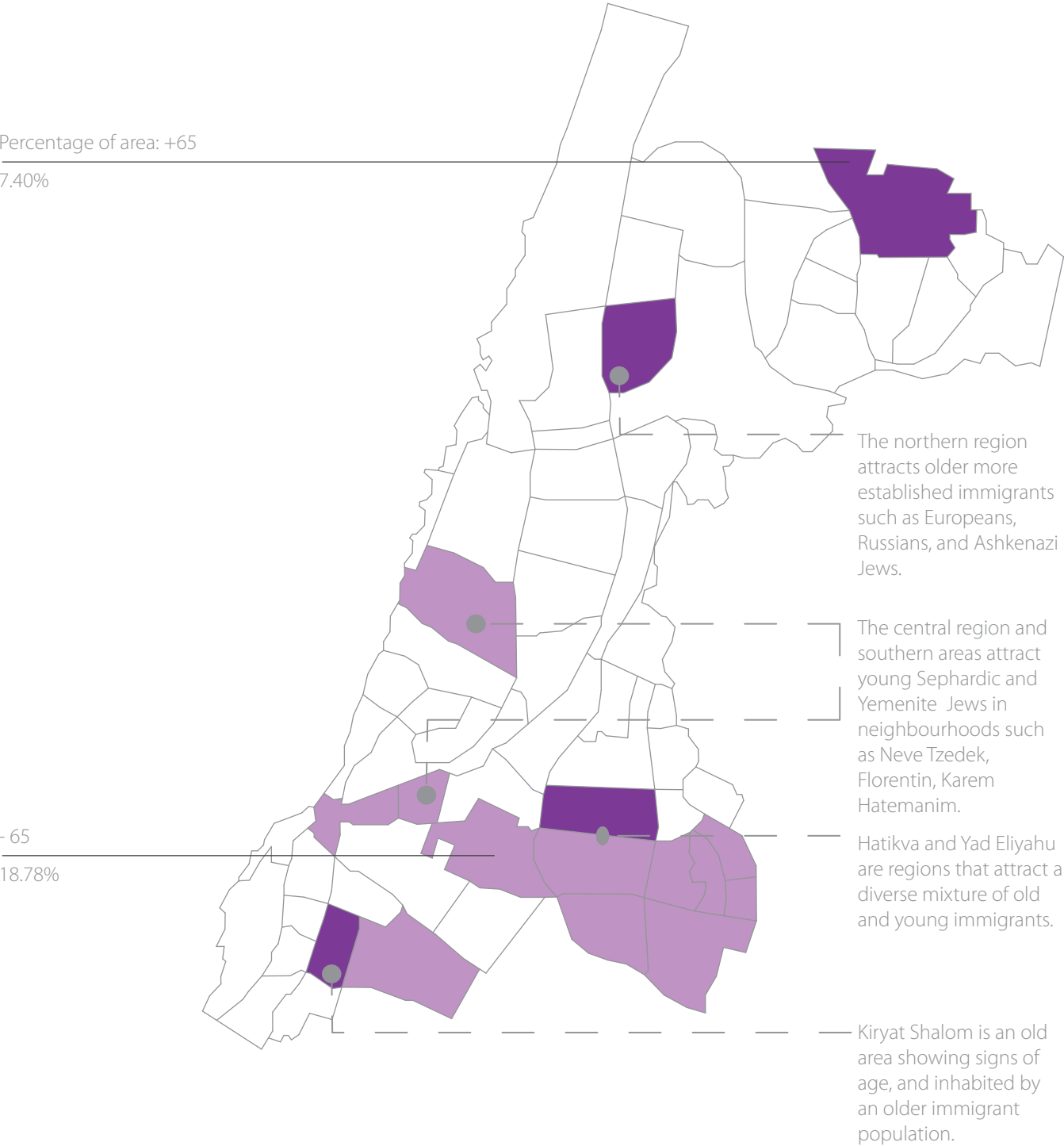
# A3 GENTRIFICATION

PROPERTY PRICES : AGE DEMOGRAPHICS



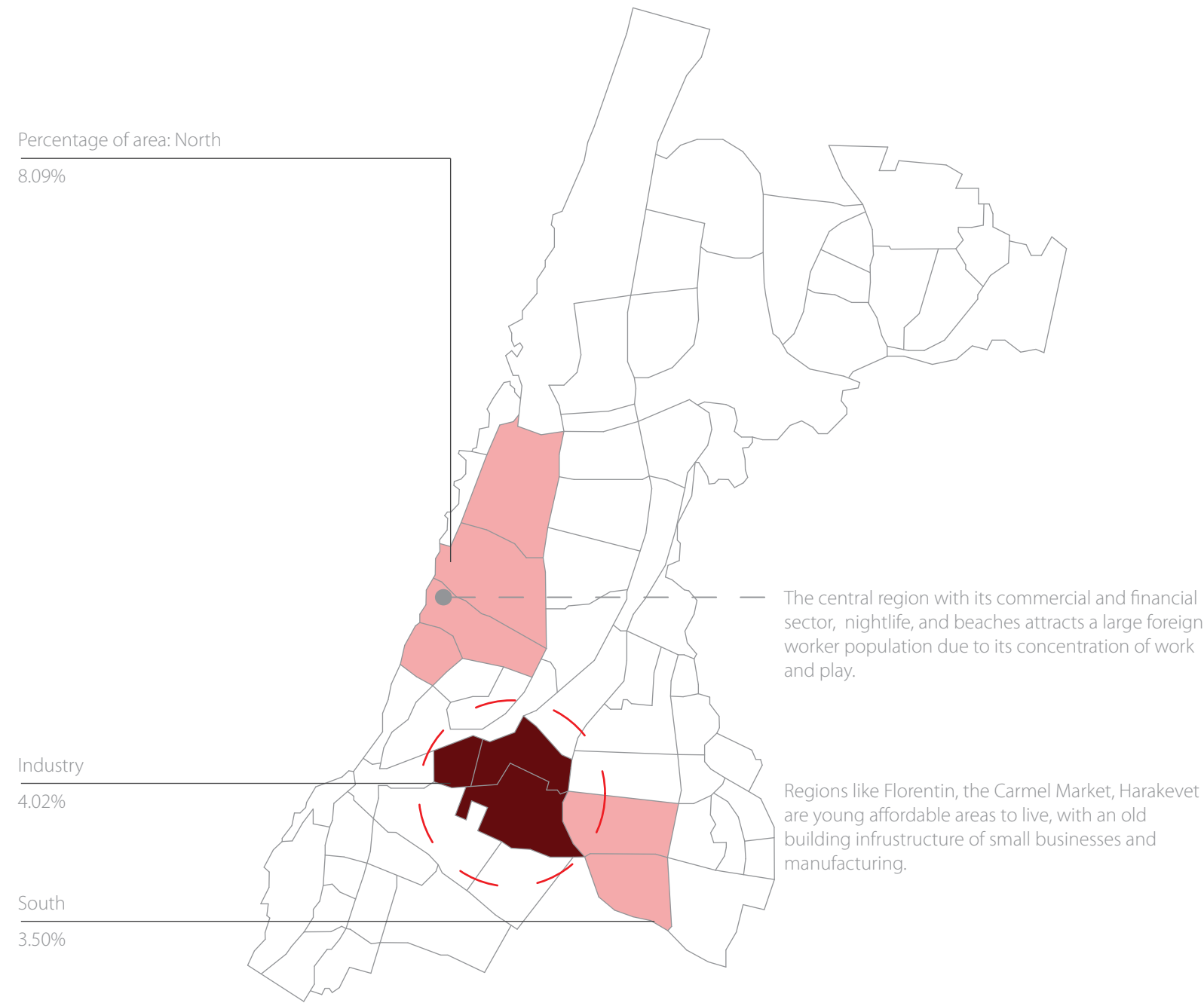
# A4 SETTLEMENT

AGE DEMOGRAPHICS : NEW IMMIGRANTS



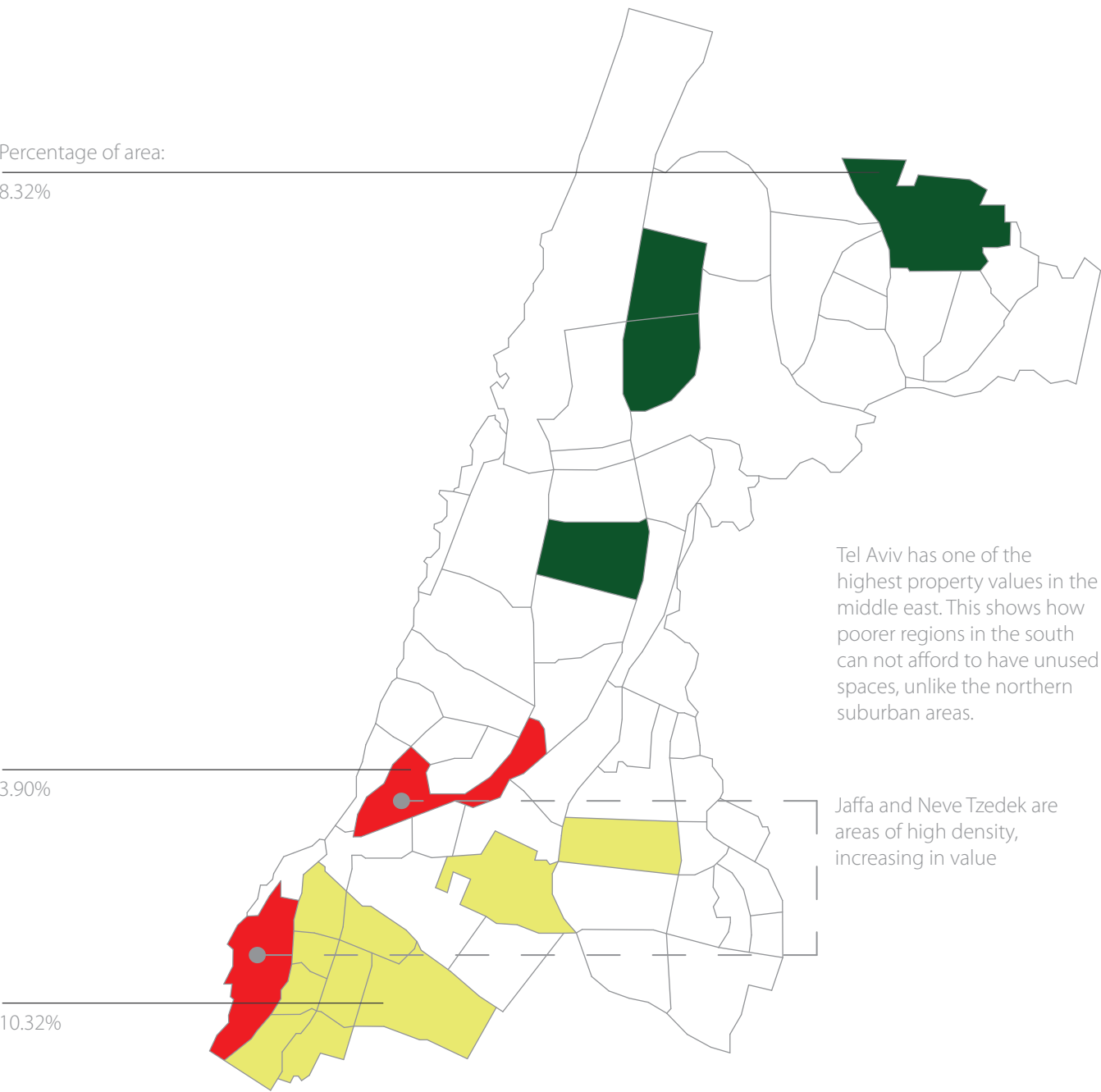
# A5 WORK WHERE YOU LIVE

NEW IMMIGRANTS : FOREIGN WORKERS



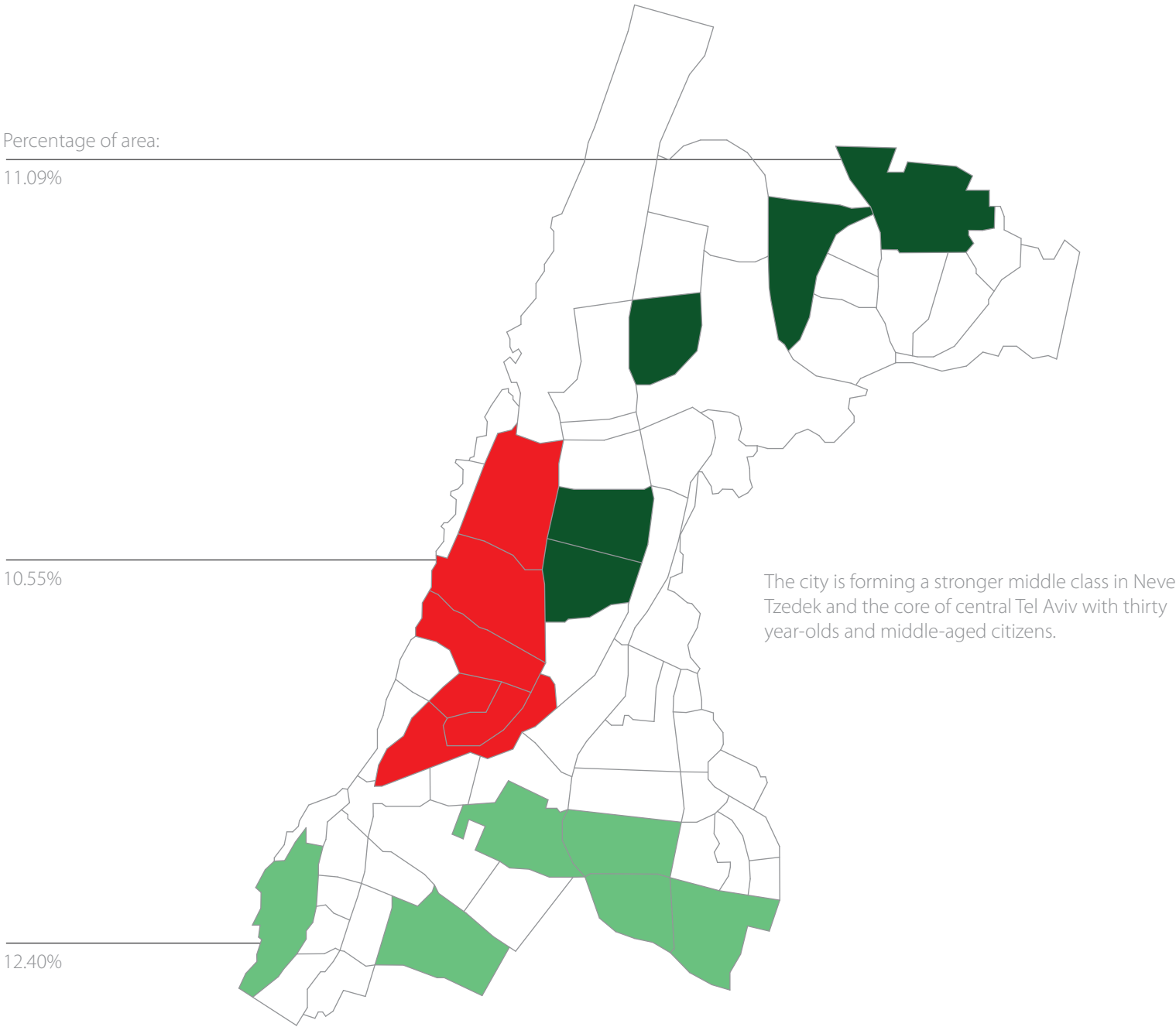
# B1 VALUE OF AN INCH

S.M PER PERSON : PROPERTY PRICES



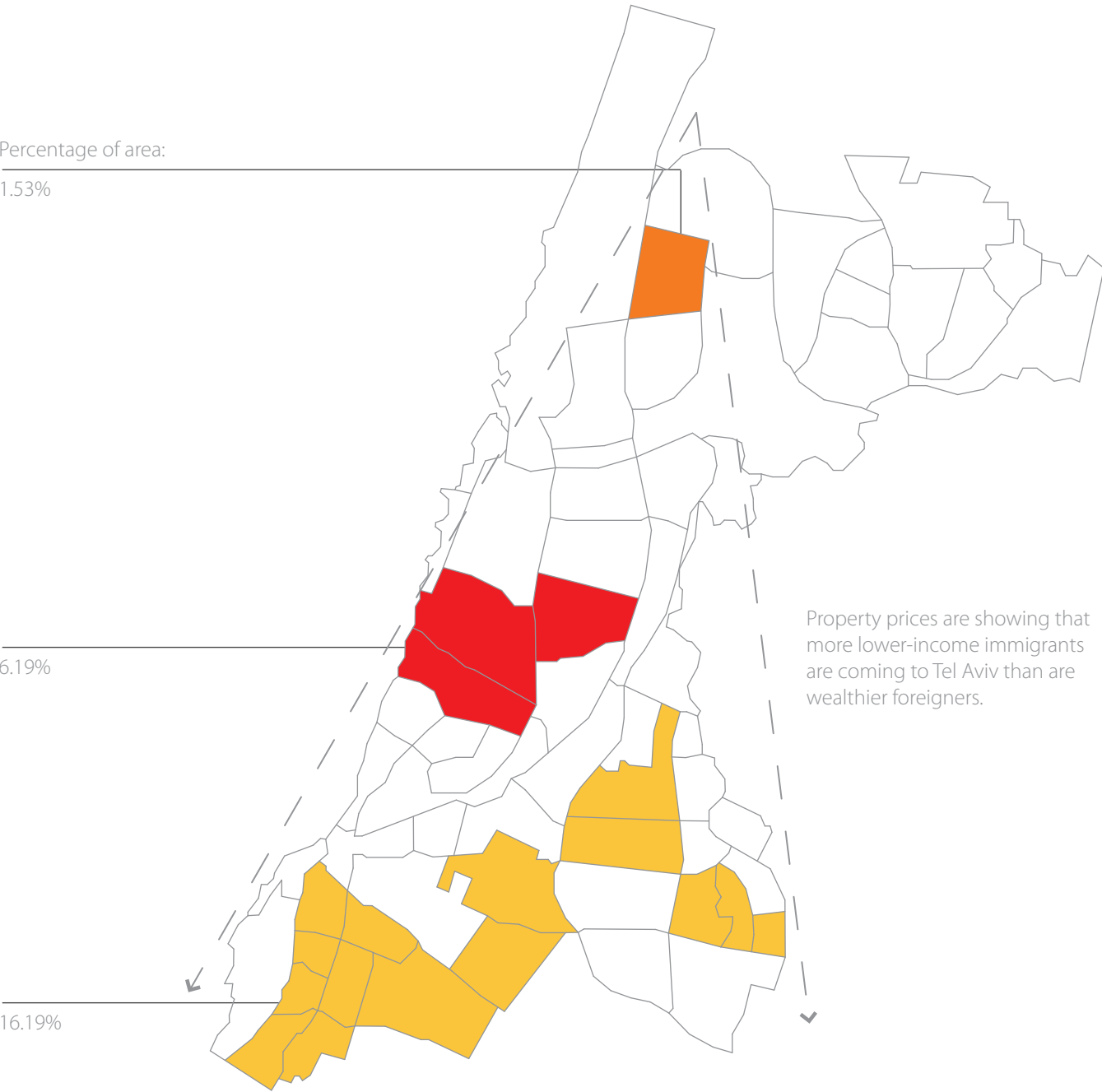
# B2 MIDDLE CLASS

SOCIO ECONOMIC INDEX : AGE DEMOGRAPHICS



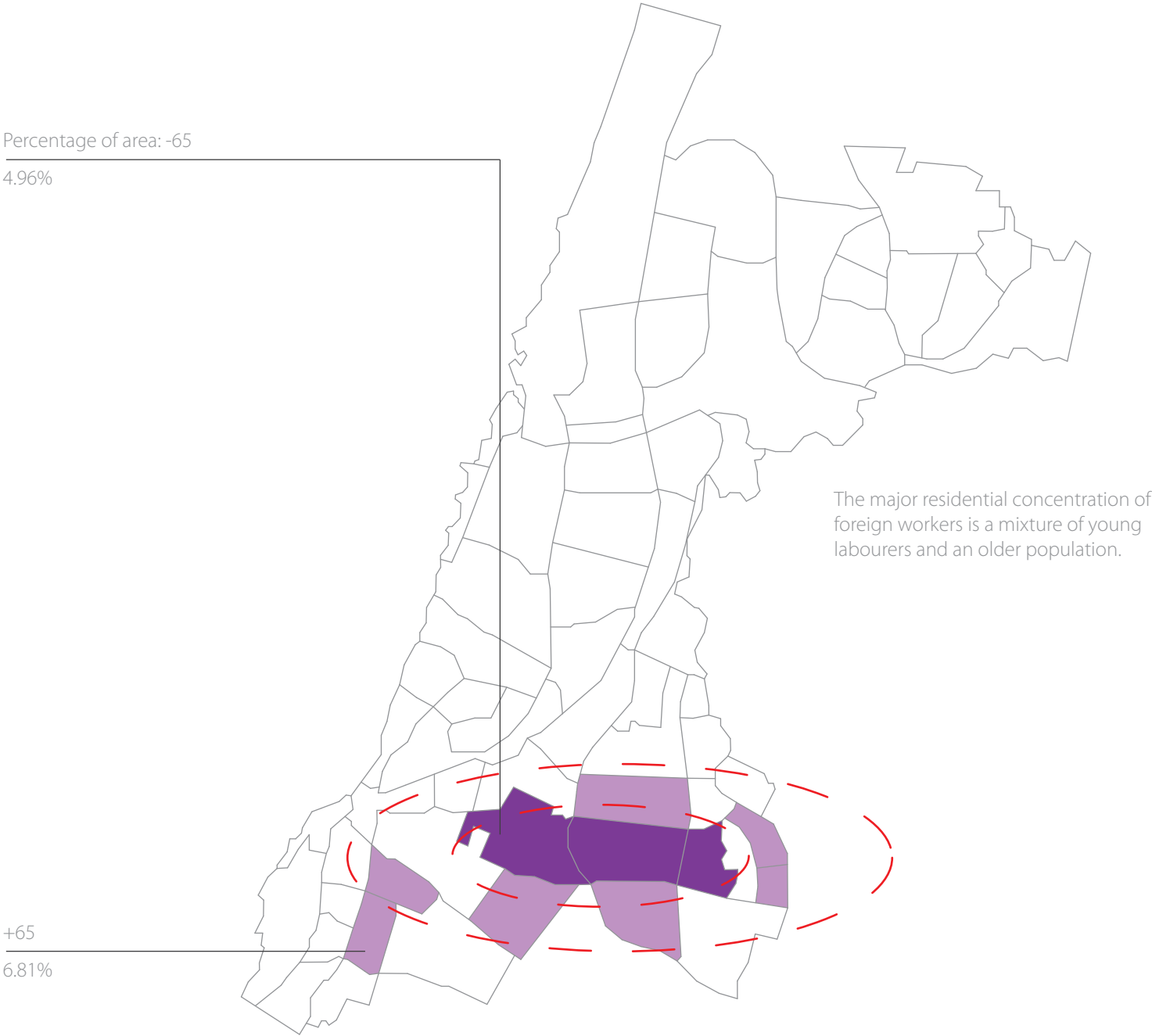
# B3 GRADATION

PROPERTY PRICES : NEW IMMIGRANTS



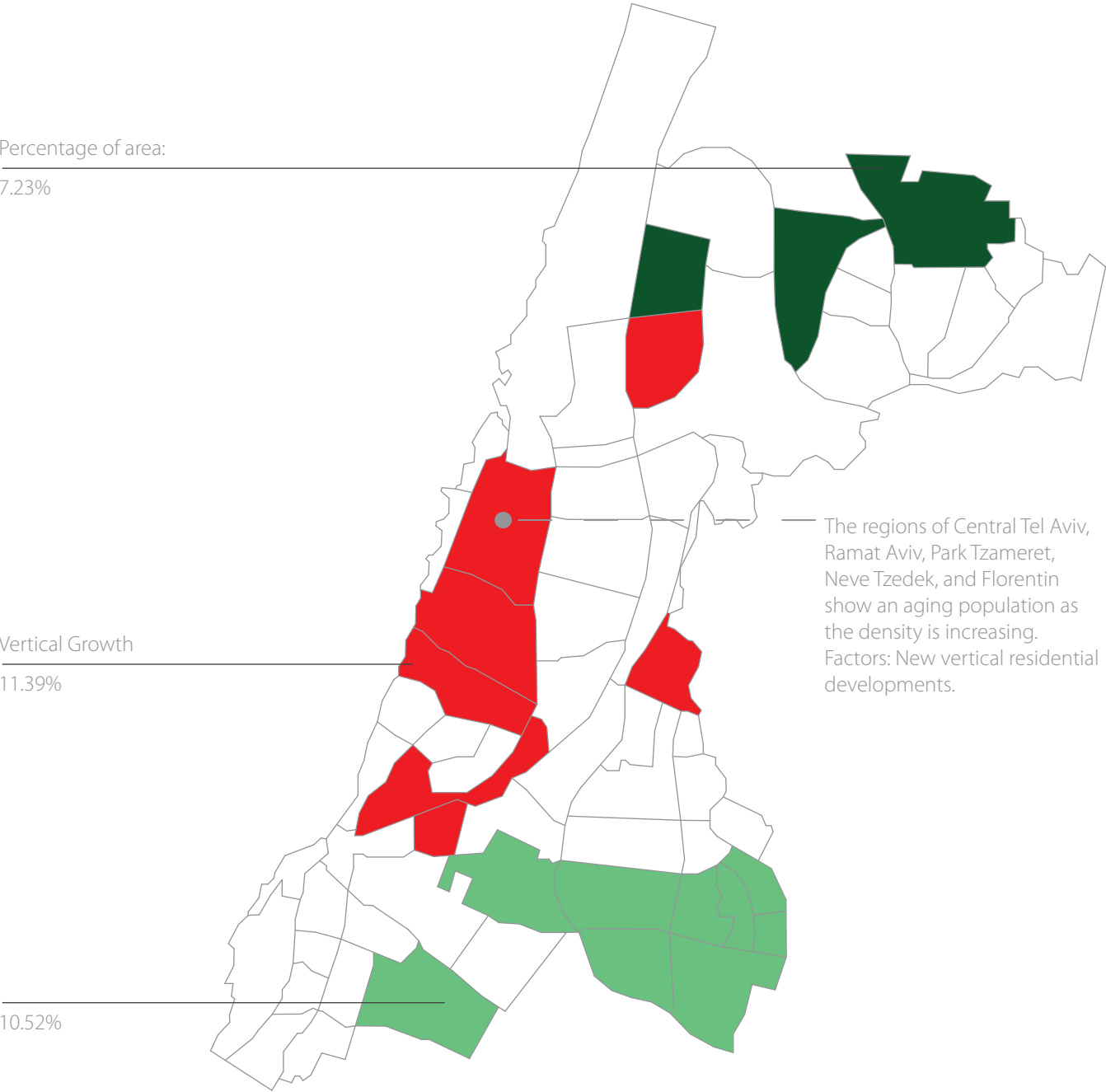
B4 FUSION

AGE DEMOGRAPHICS : FOREIGN WORKERS



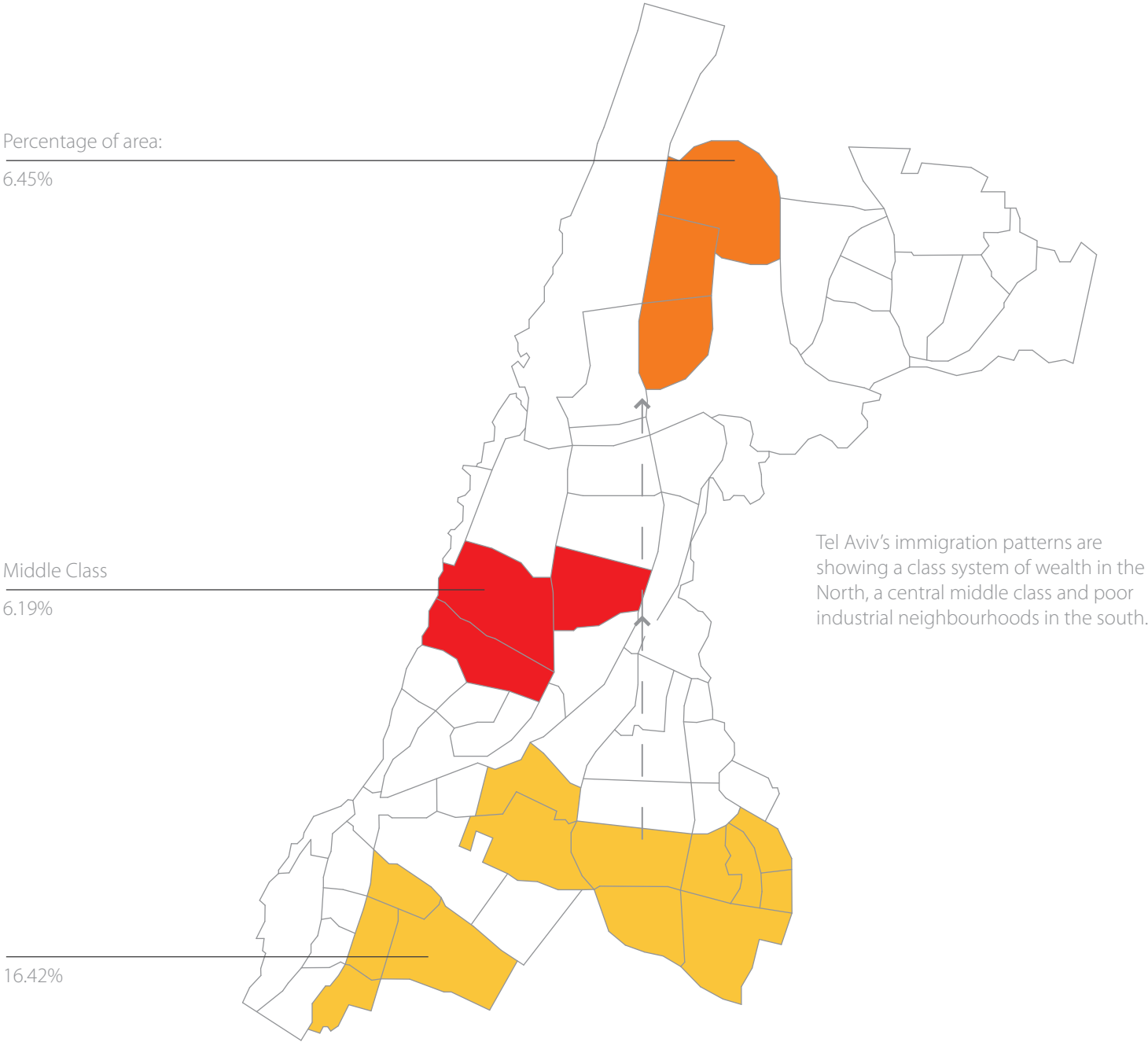
C1 VERTICAL GROWTH

S.M PER PERSON : AGE DEMOGRAPHICS



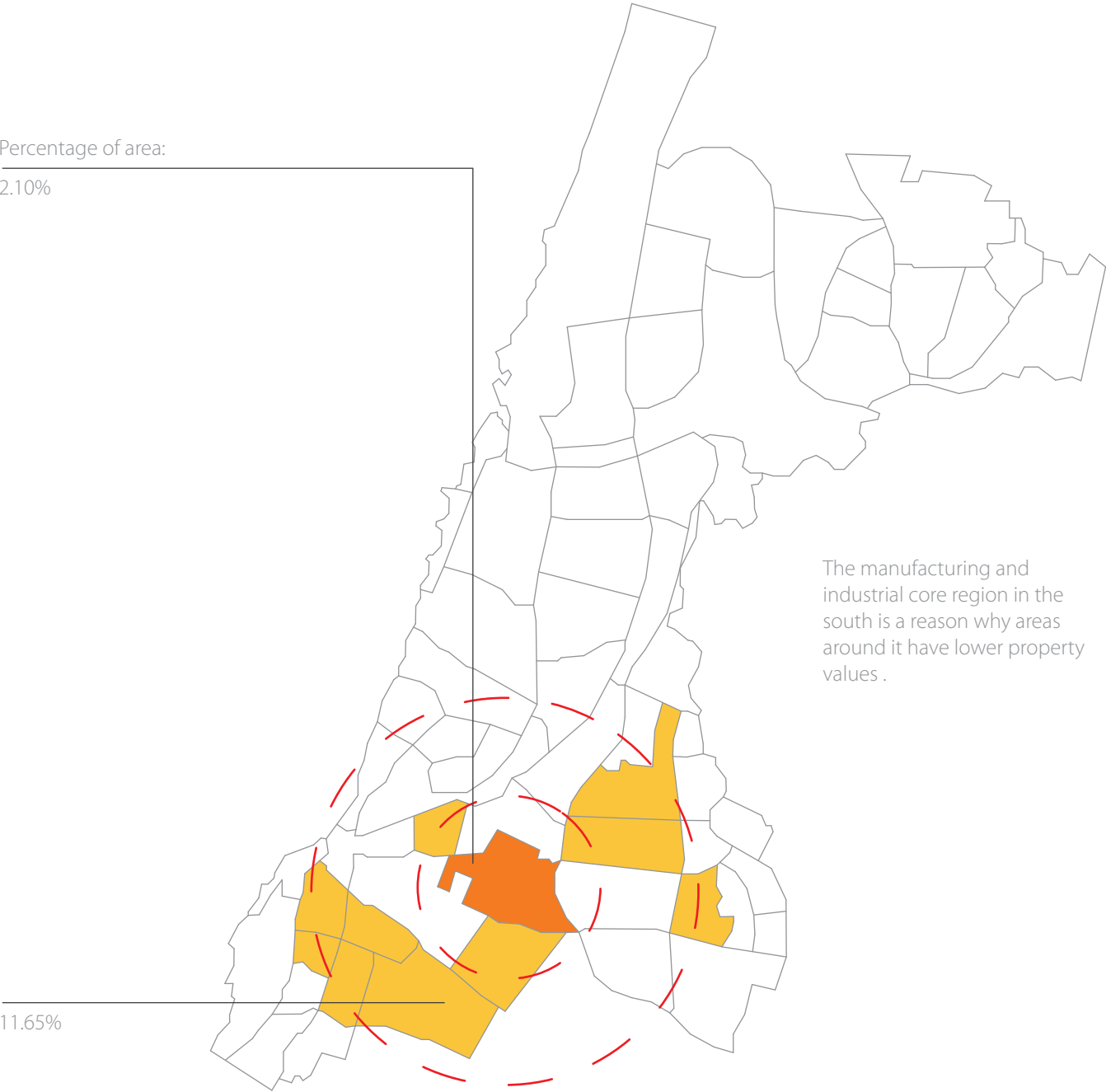
# C2 CLASS SYSTEM

SOCIO ECONOMIC INDEX : NEW IMMIGRANTS



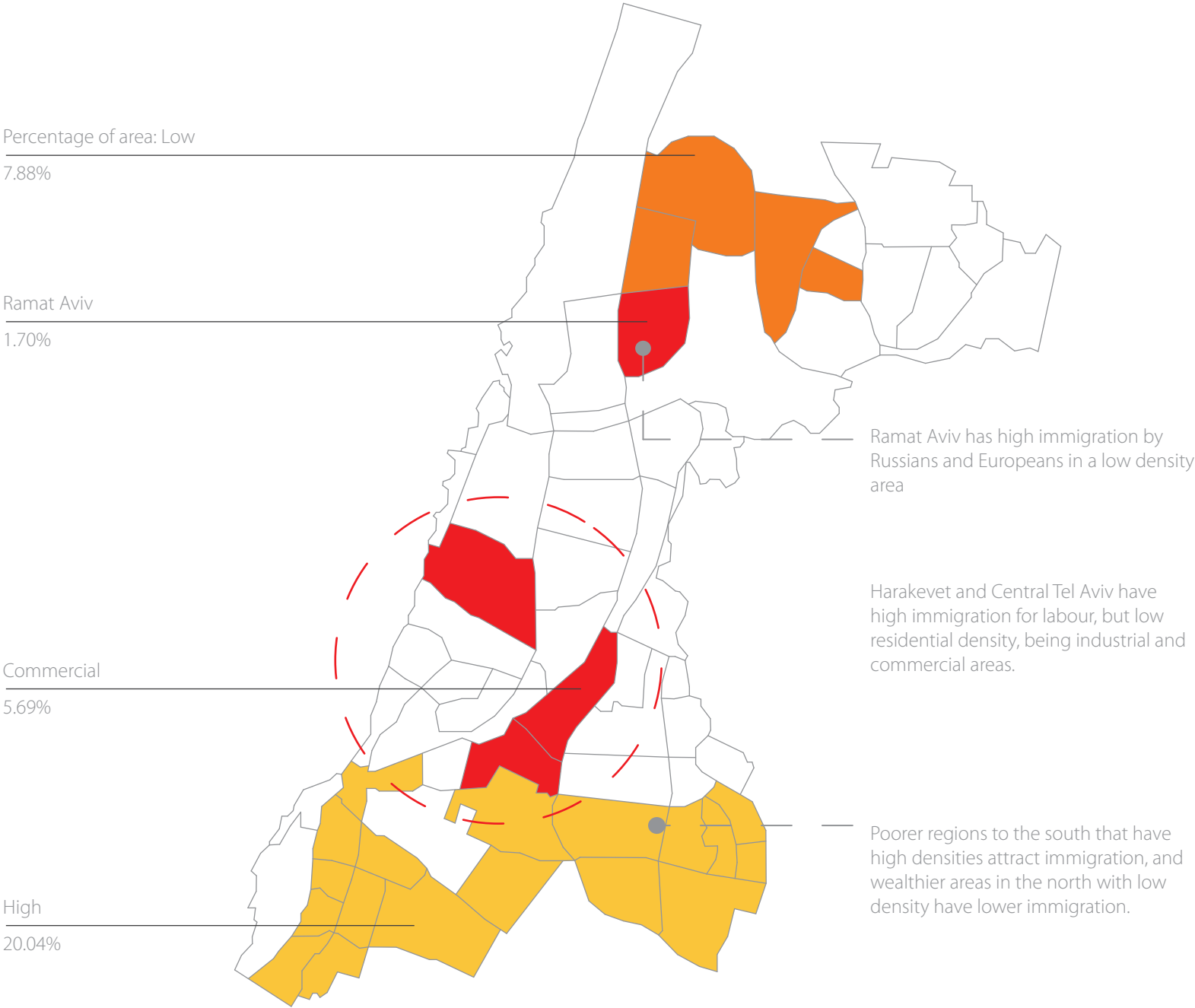
# C3 CATALYST

PROPERTY PRICES : FOREIGN WORKERS



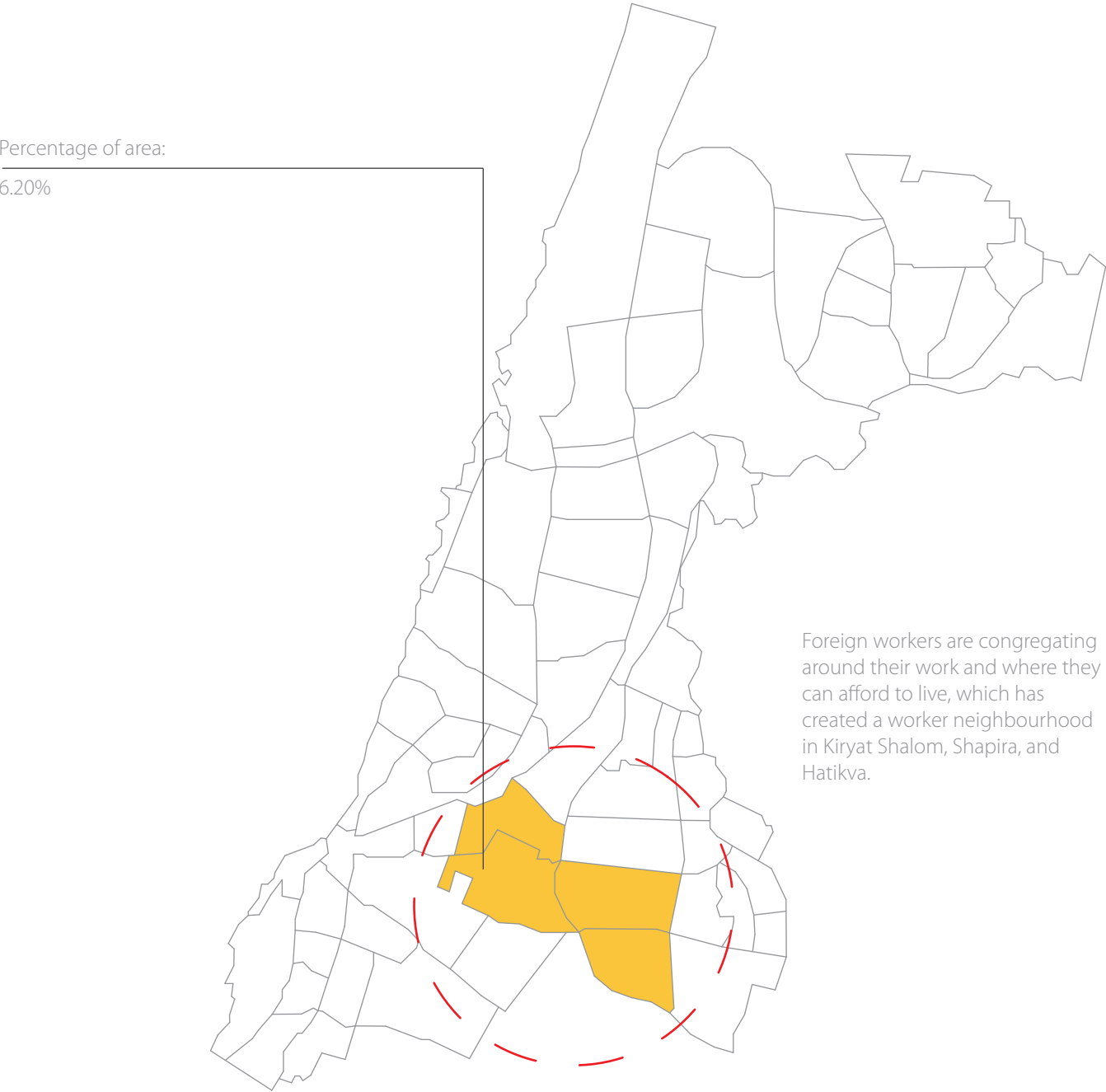
# D1 CONCENTRATIONS

S.M PER PERSON : NEW IMMIGRANTS



# D2 ISOLATION

SOCIO ECONOMIC INDEX : FOREIGN WORKERS



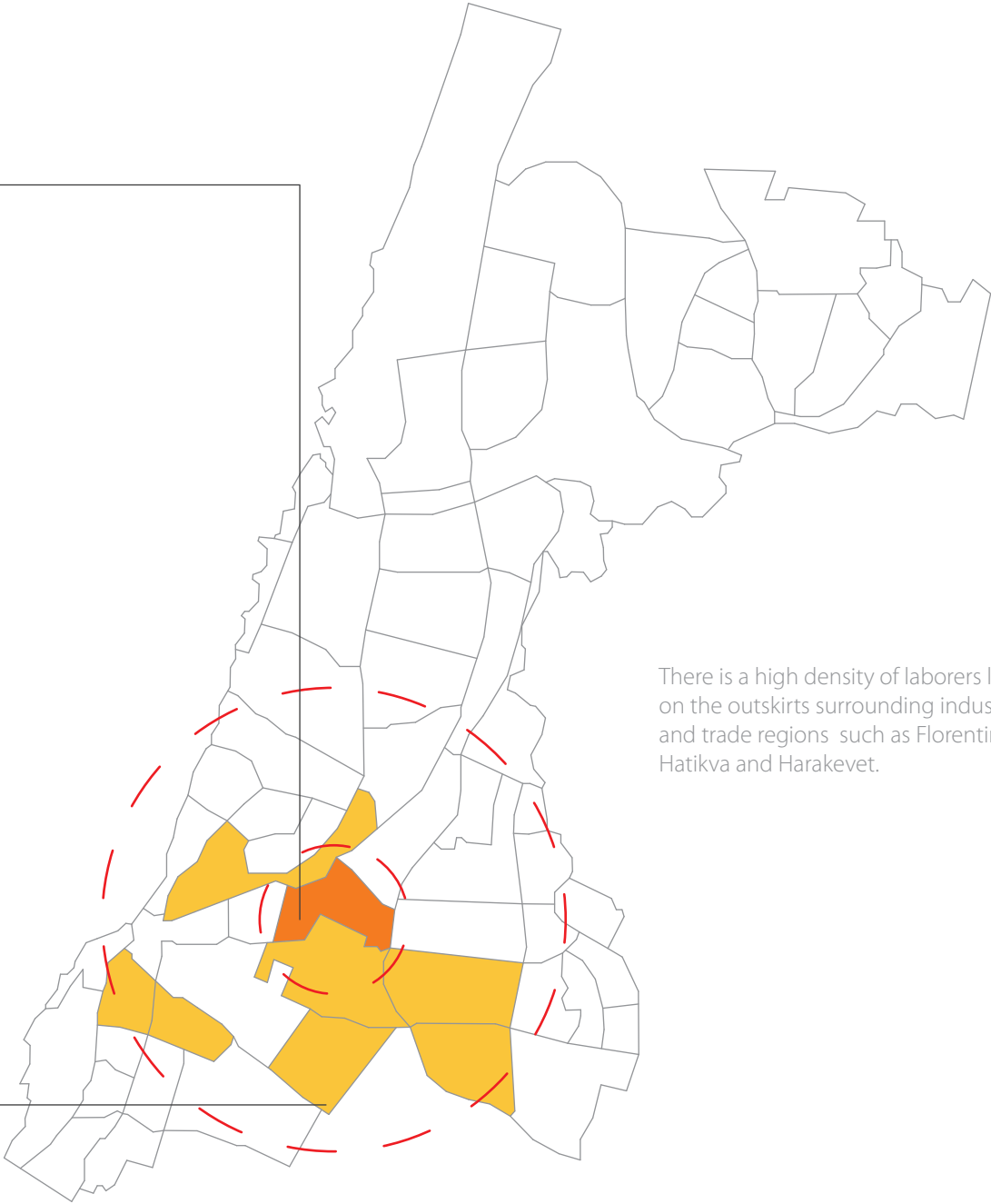
# E1 URBAN FORMATION

S.M PER PERSON : FOREIGN WORKERS

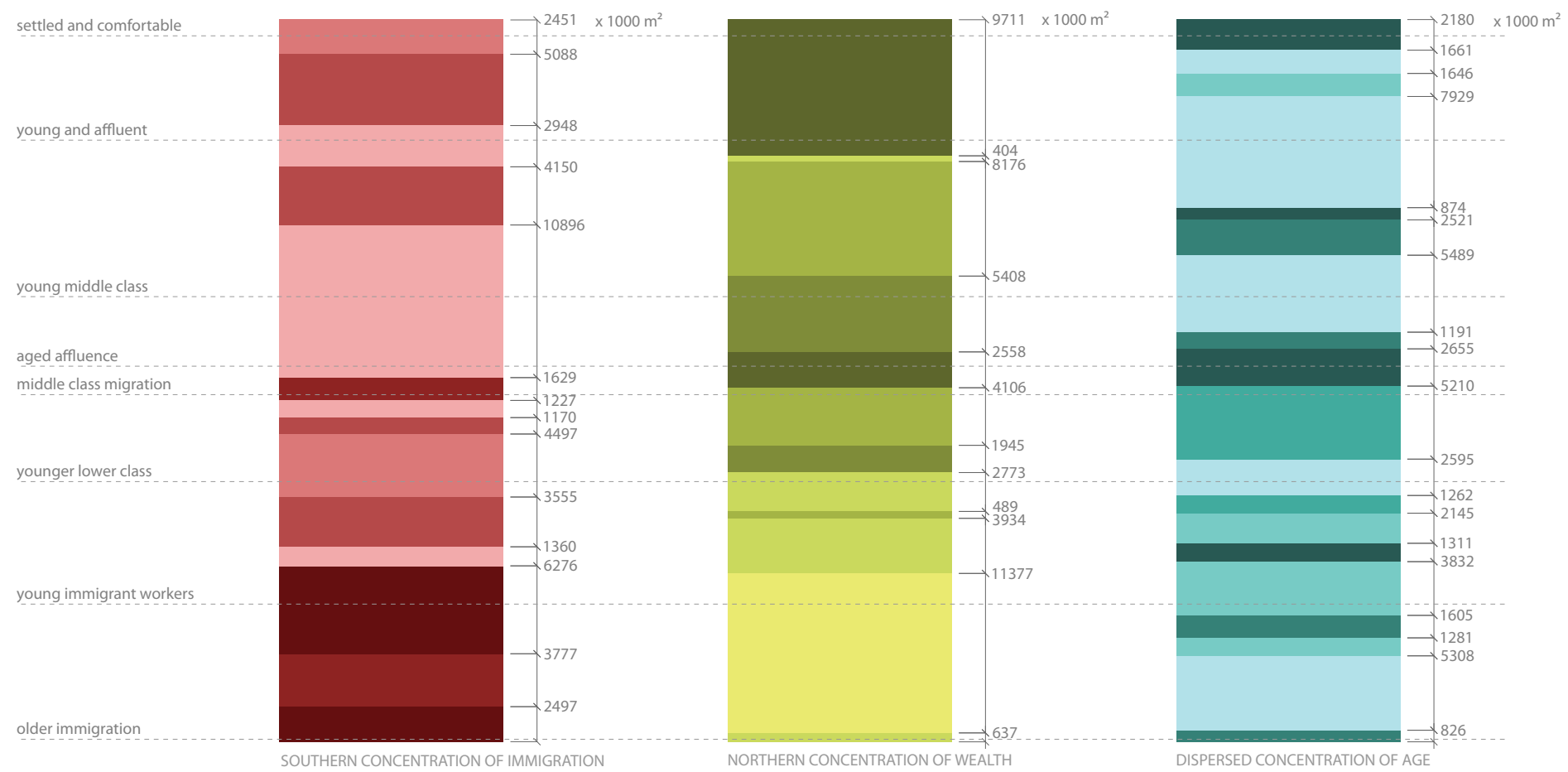
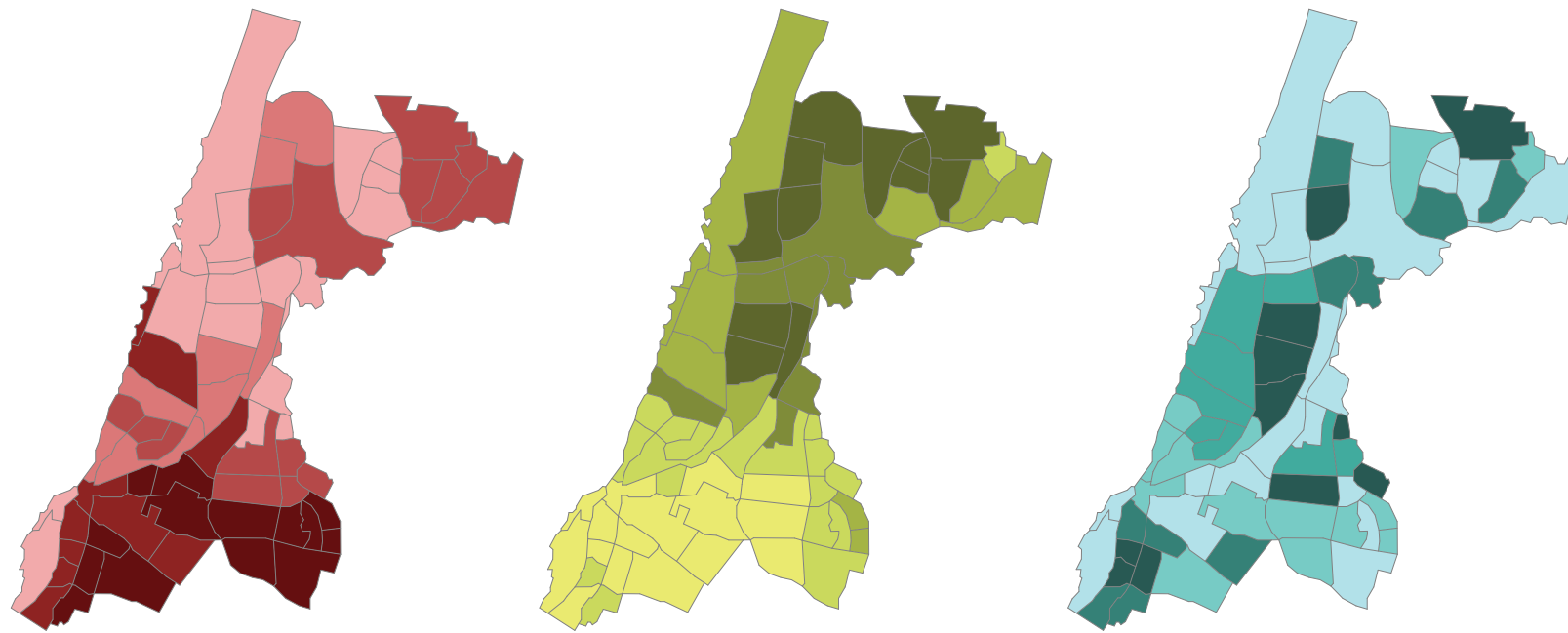
Percentage of area:

1.31%

10.52%



There is a high density of laborers living on the outskirts surrounding industrial and trade regions such as Florentin, Hatikva and Harakevet.



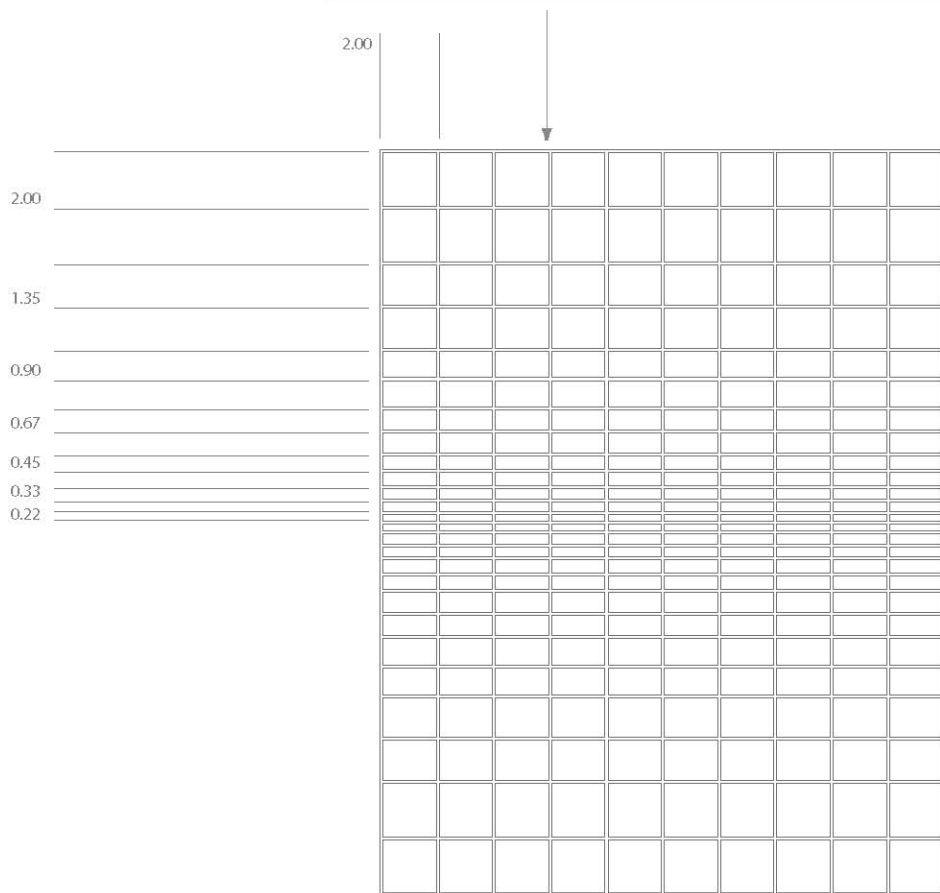
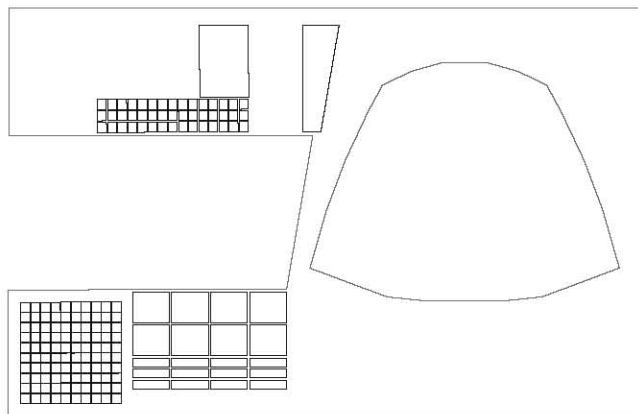
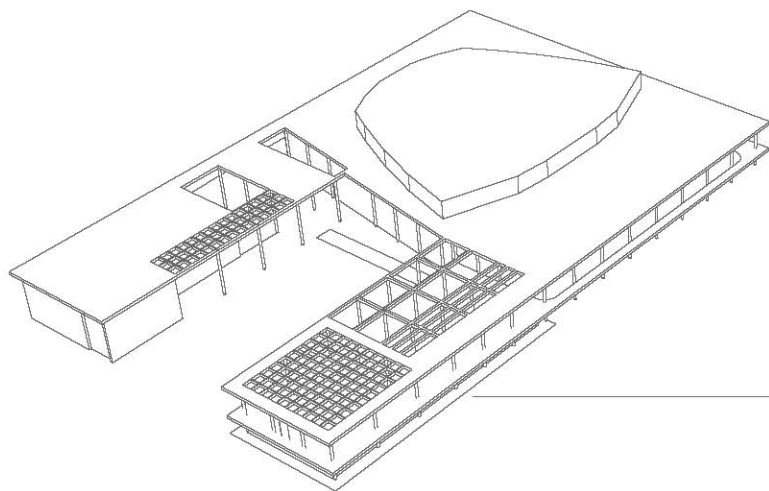
lower concentration of immigrants  
higher concentration of immigrants

lower concentration of wealth  
higher concentration of wealth

lower concentration of elders  
higher concentration of elders



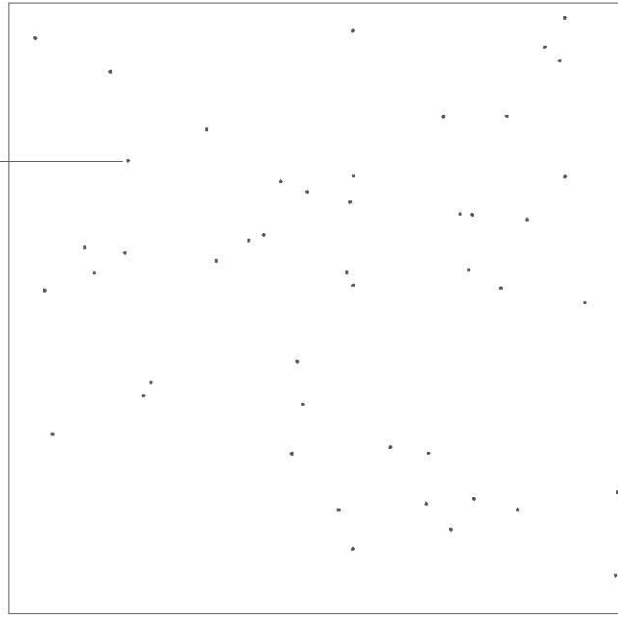




## the VORONOI system

input : set of given points (sites),  $S$ , in the plane.

Voronoi site,  $s$

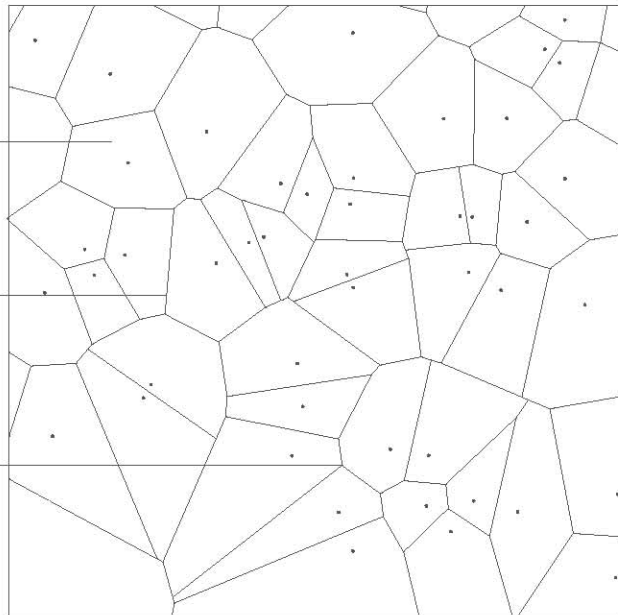


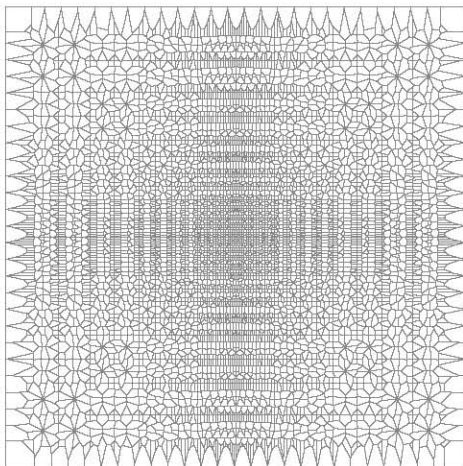
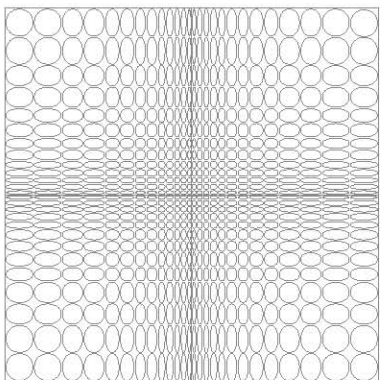
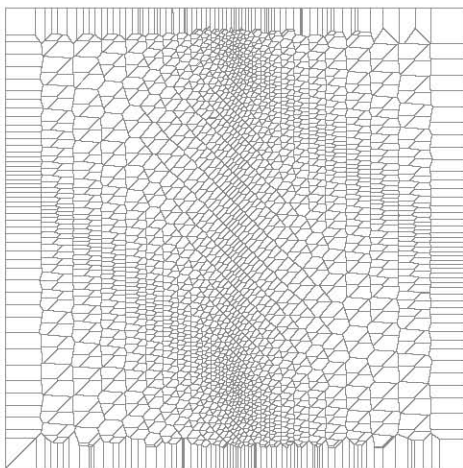
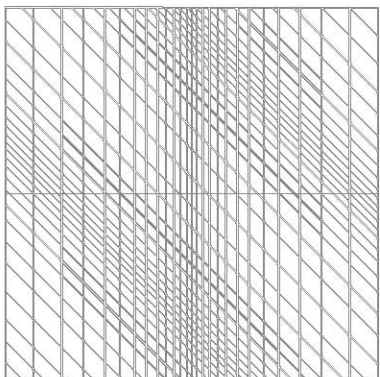
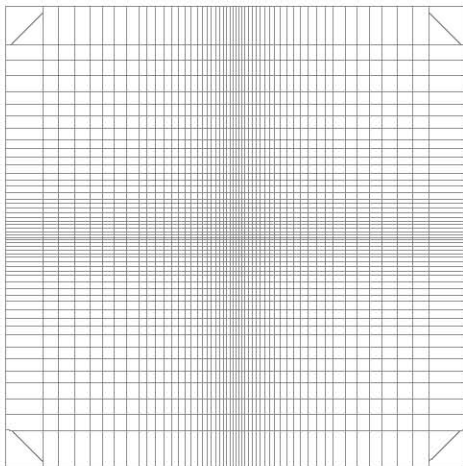
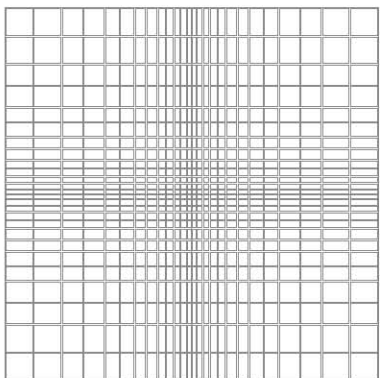
output : Voronoi diagram.

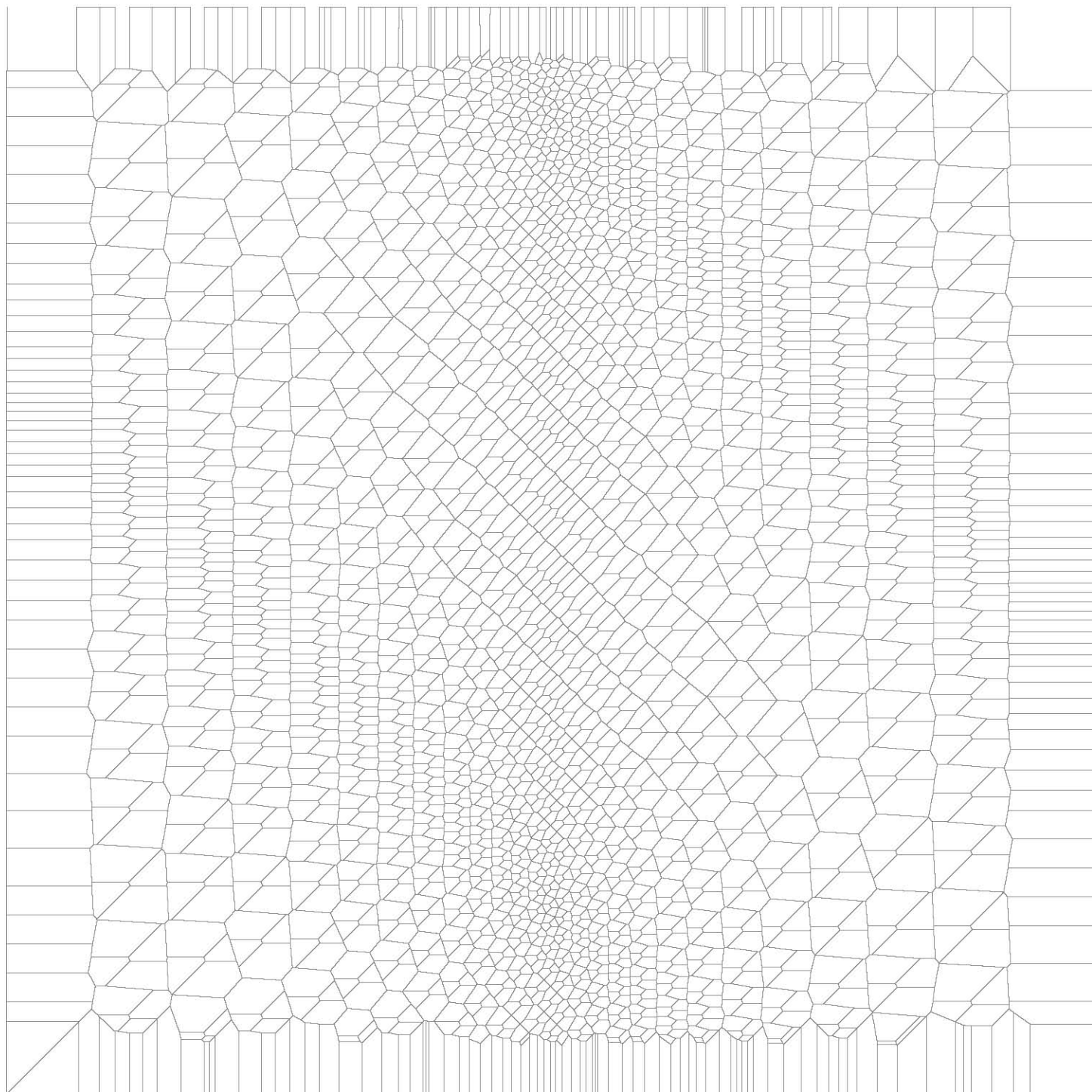
Voronoi cell,  $V(s)$ , consisting of all points closer to  $s$  than any other site.

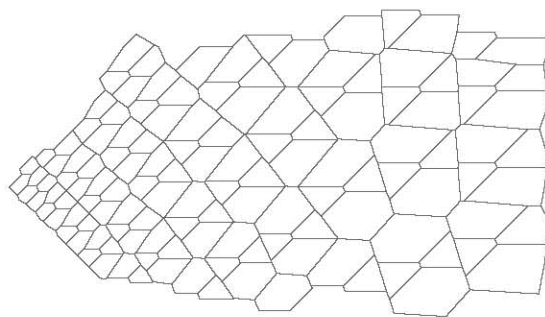
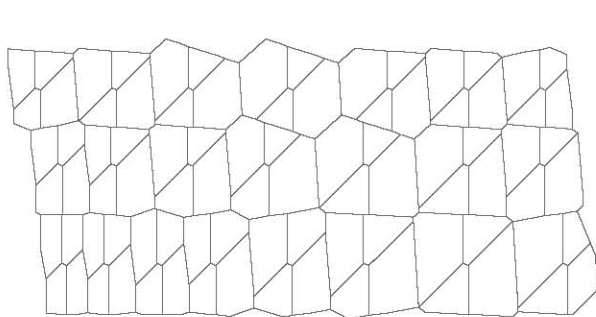
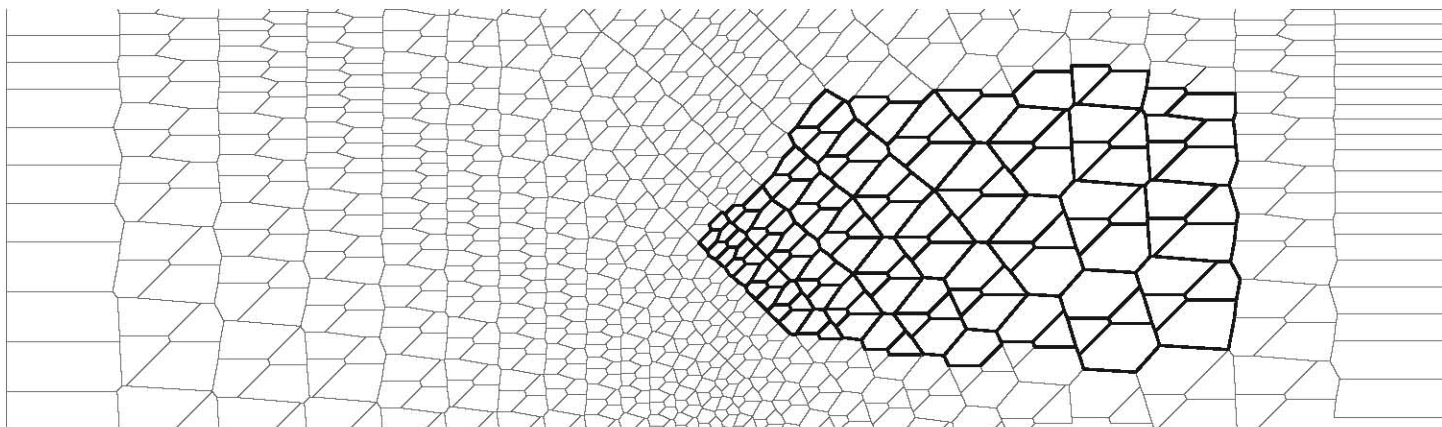
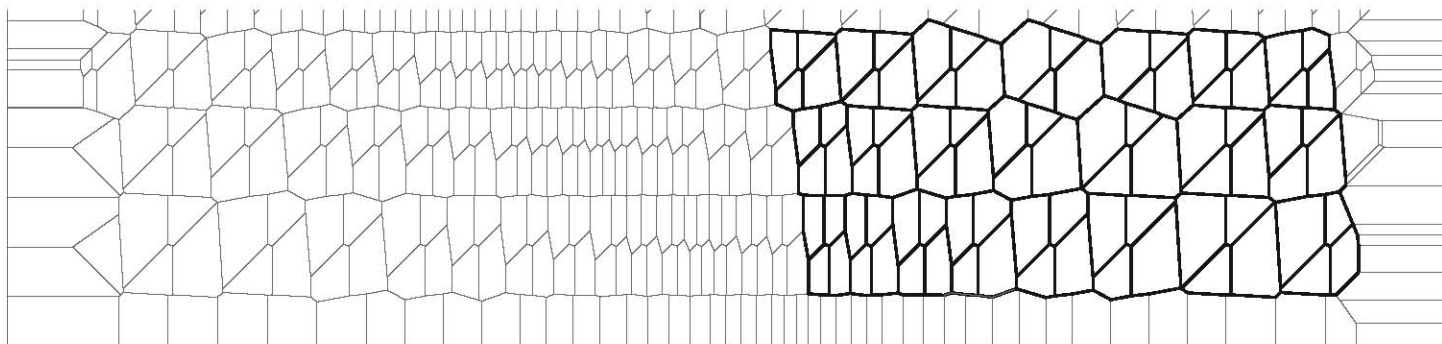
Voronoi segment, all points in the plane equidistant to two sites, also their perpendicular bisector.

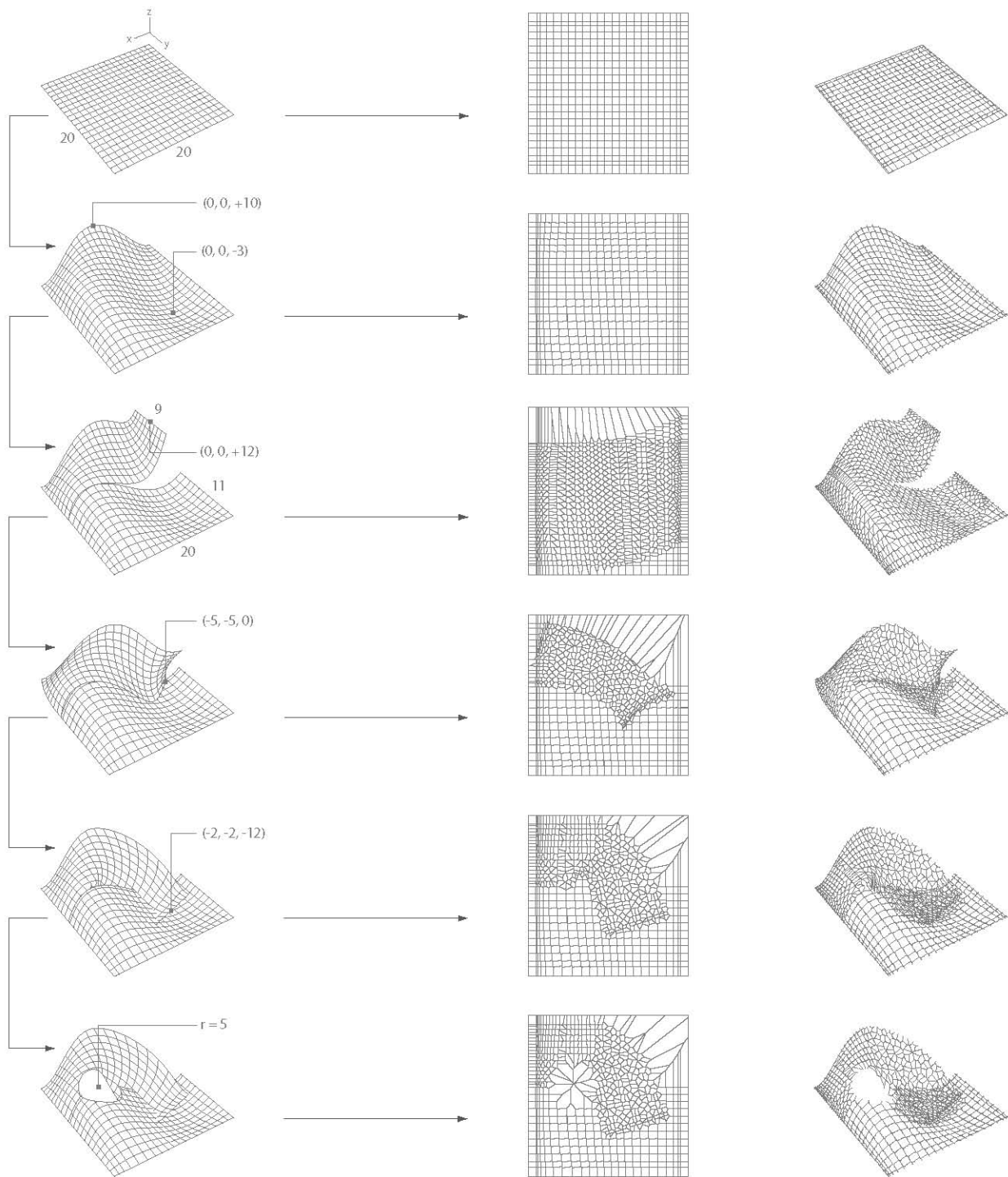
Voronoi node, point equidistant to three or more sites.

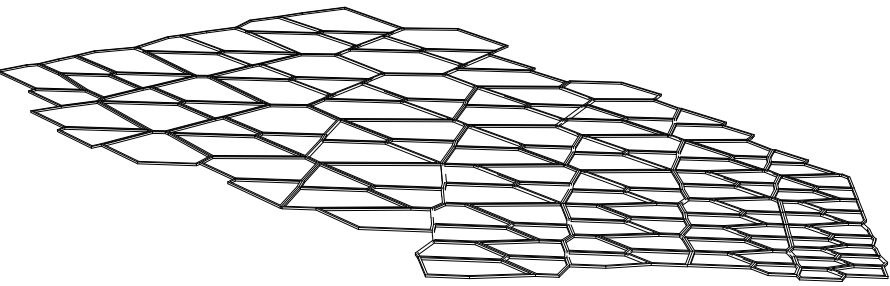




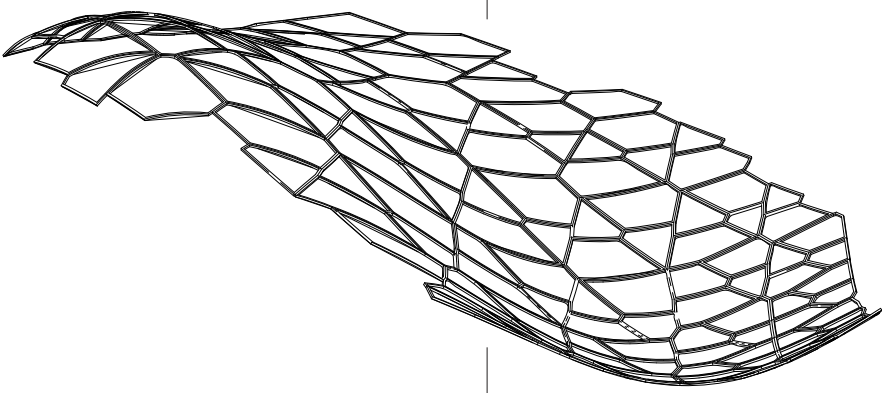




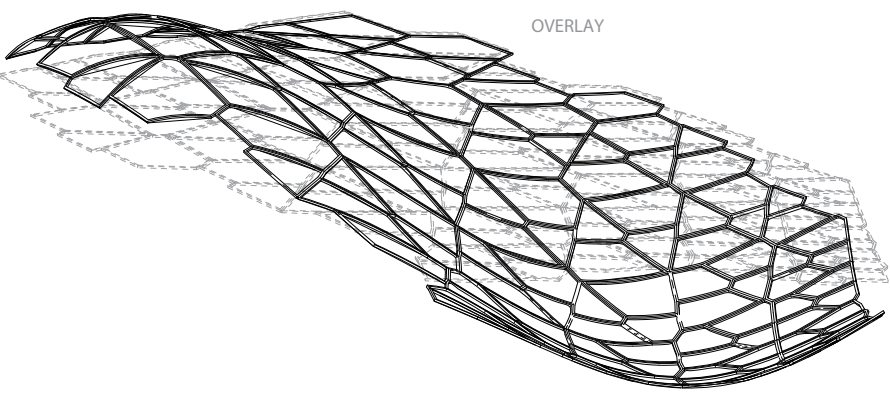




CELL POROSITY :  
SHOWING THE VARIATIONS  
OF DENSITY IN THE STRUCTURE



CELL MANIPULATION



OVERLAY

(0, 0, 0 )

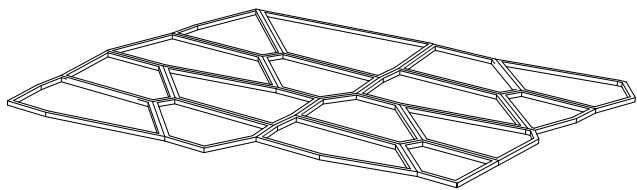
(0, 0, +25)

(0, 0, -25)

(0, 0, +25)

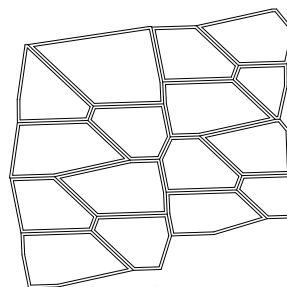
(0, 0, 0 )

(0, 0, -25)

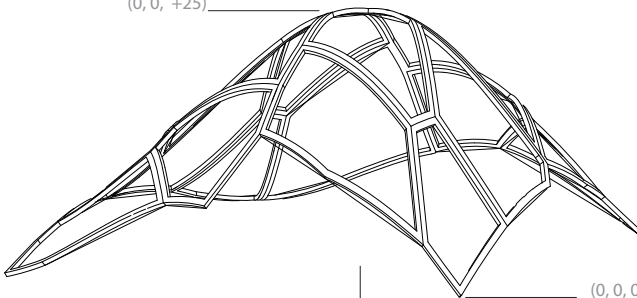


PORTION OF CELL STRUCTURE

PLAN



(0, 0, +25)

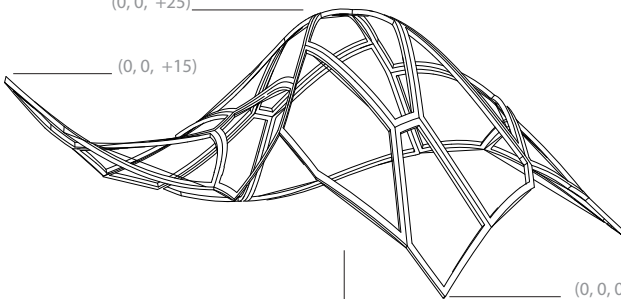


(0, 0, 0)

CELL MANIPULATION

(0, 0, +25)

(0, 0, +15)

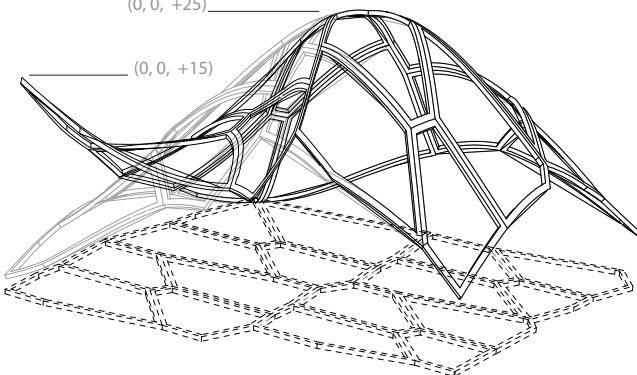


(0, 0, 0)

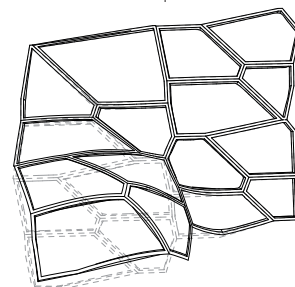
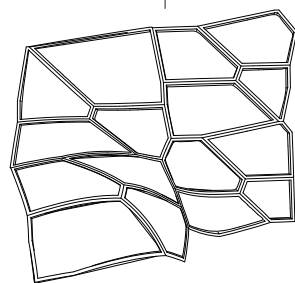
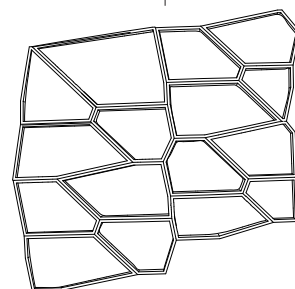
OVERLAY

(0, 0, +25)

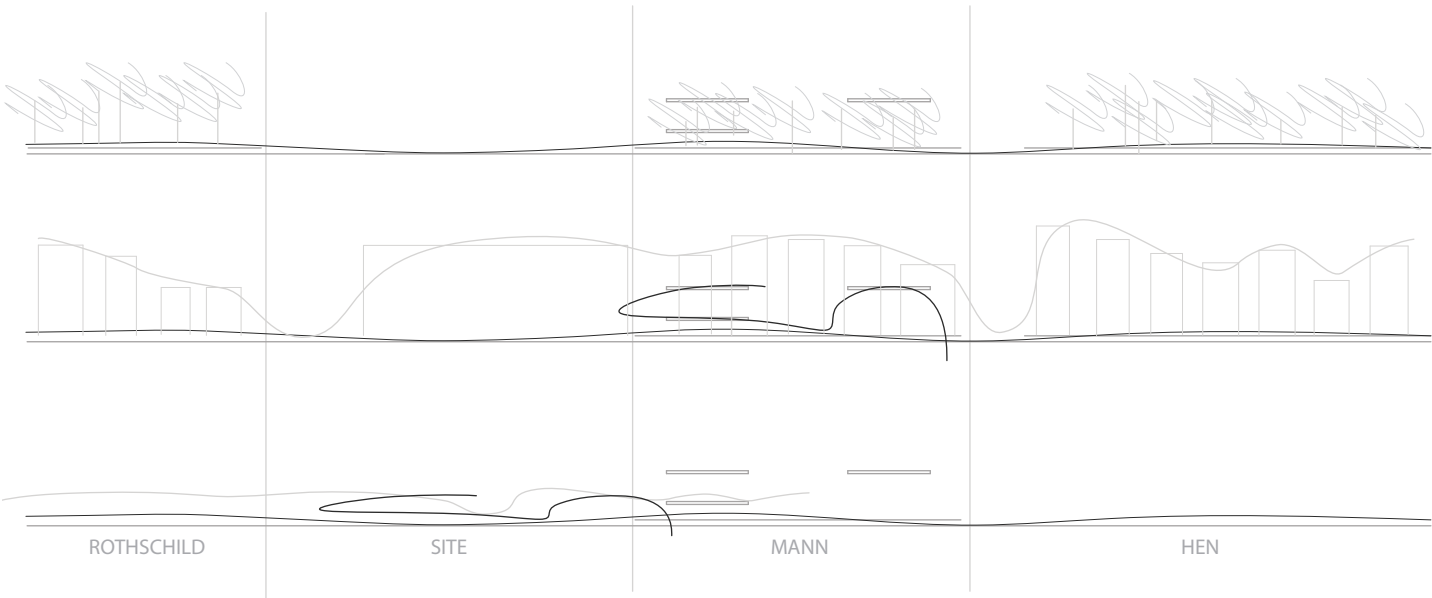
(0, 0, +15)



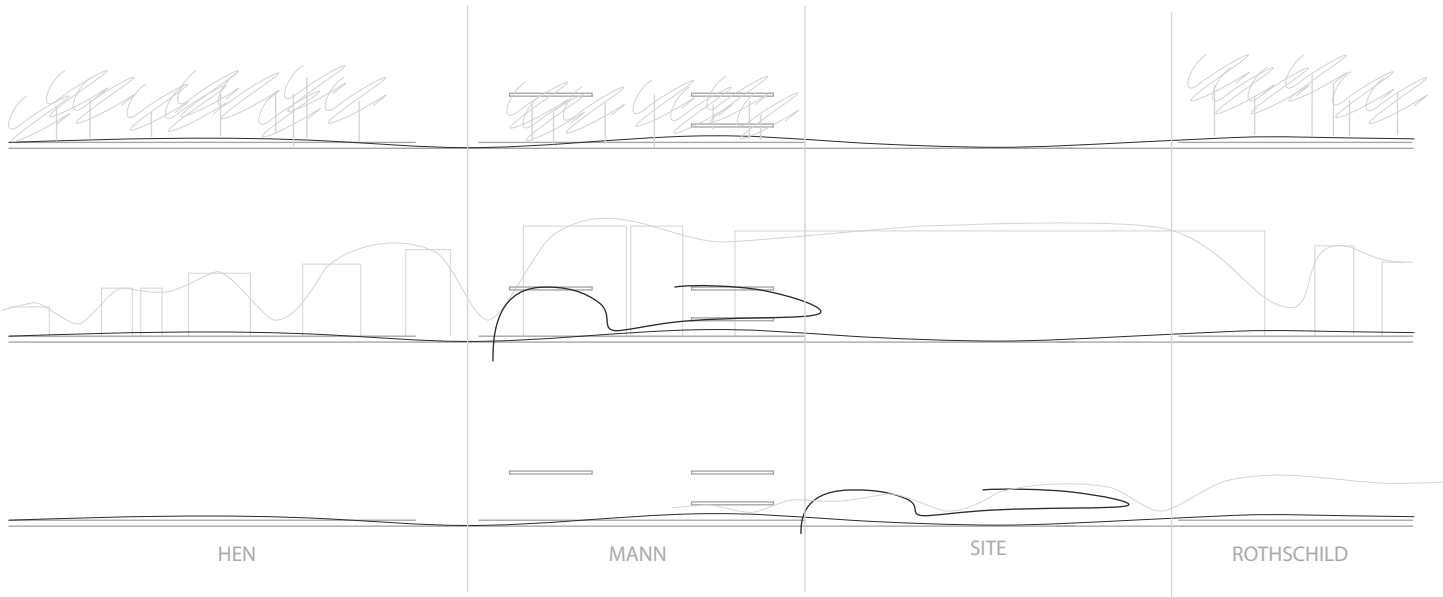
PLAN OVERLAY



TRANSVERSAL SECTION



TRANSVERSAL SECTION

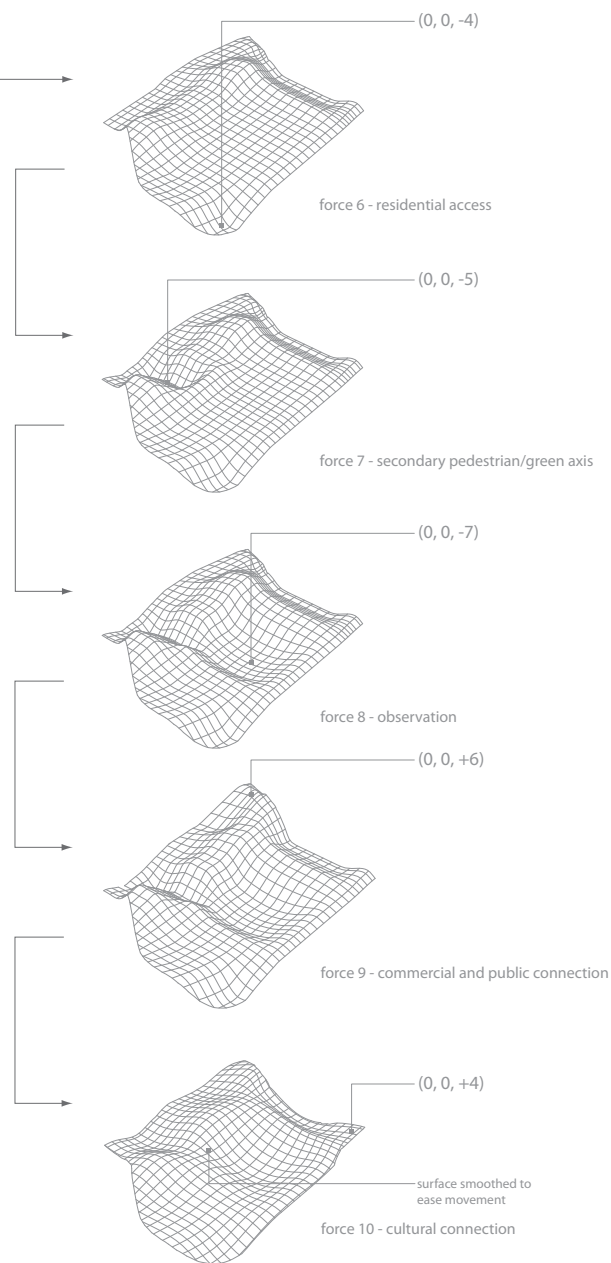
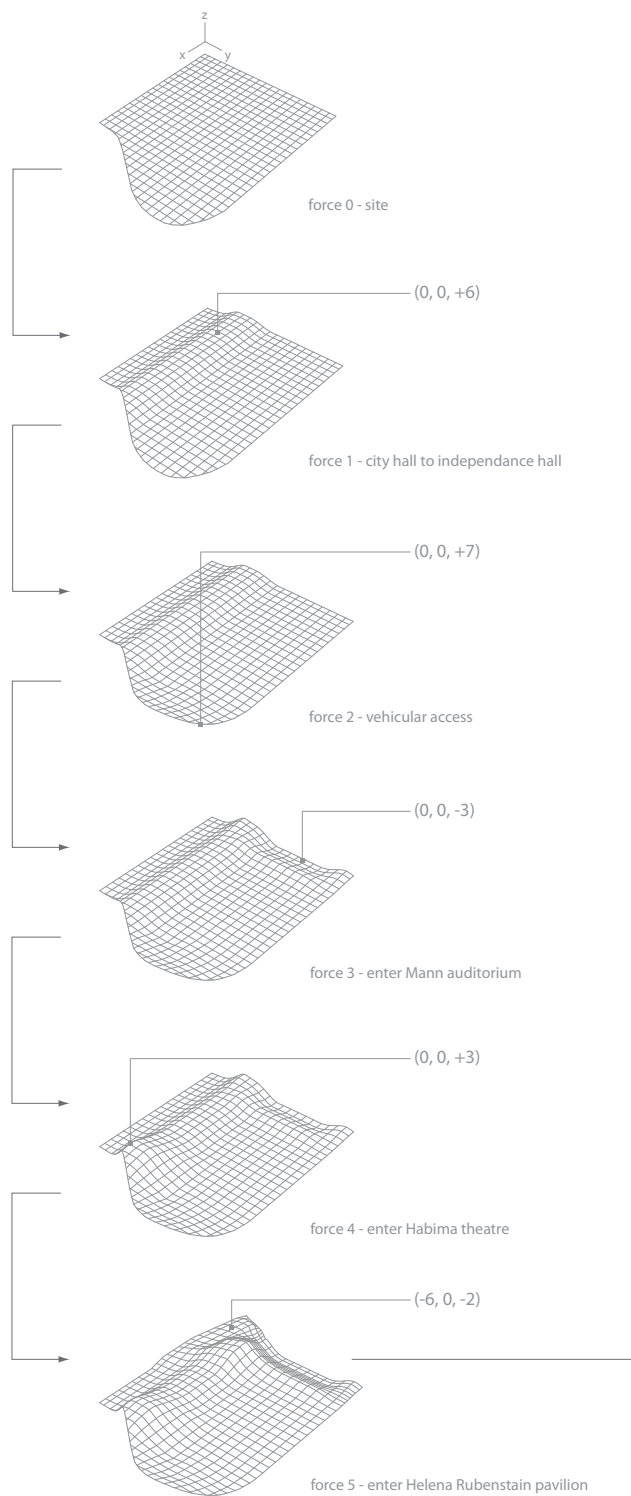


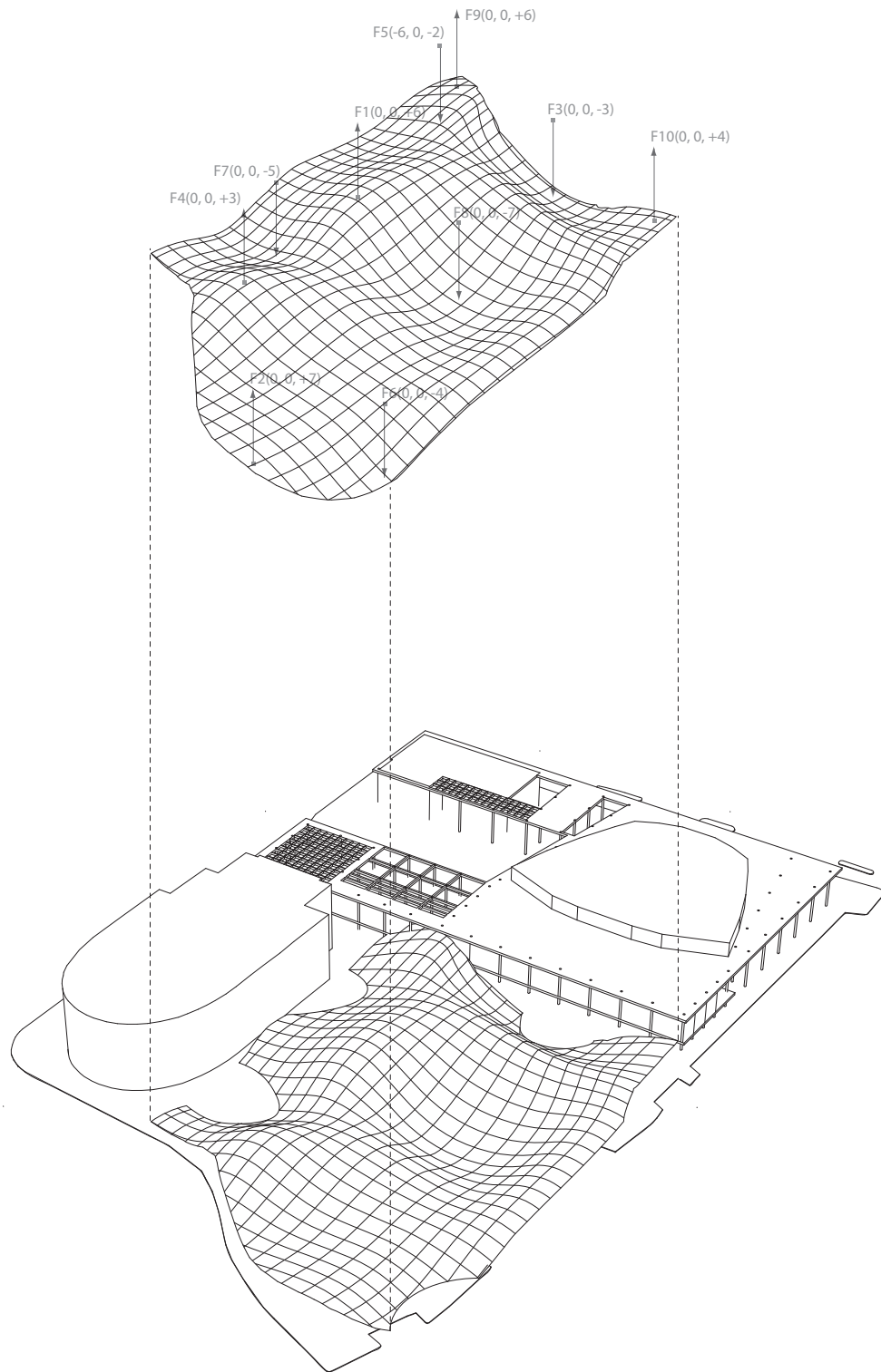


# FORCES OF MOVEMENT

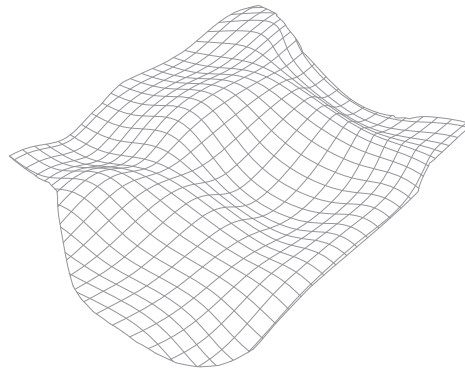
- main pedestrian/green axis
- main vehicular axis
- main entrances
- pedestrian influx

- city hall to independence hall green axis
- vehicular access
- enter Mann auditorium
- enter Habima theatre
- enter Helena Rubenstein pavilion
- residential access
- secondary pedestrian/green axis
- observation
- commercial and public connection
- cultural connection

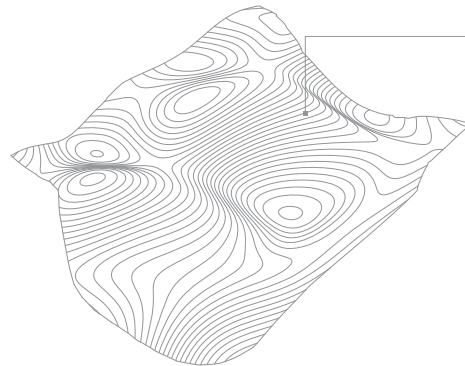




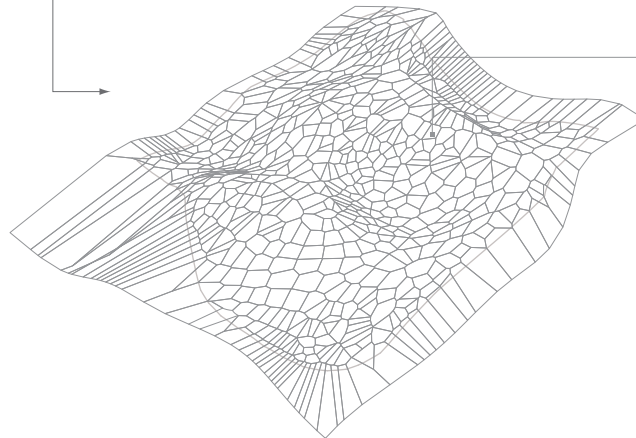
contour lines extracted from  
surface to begin creating a  
structural system



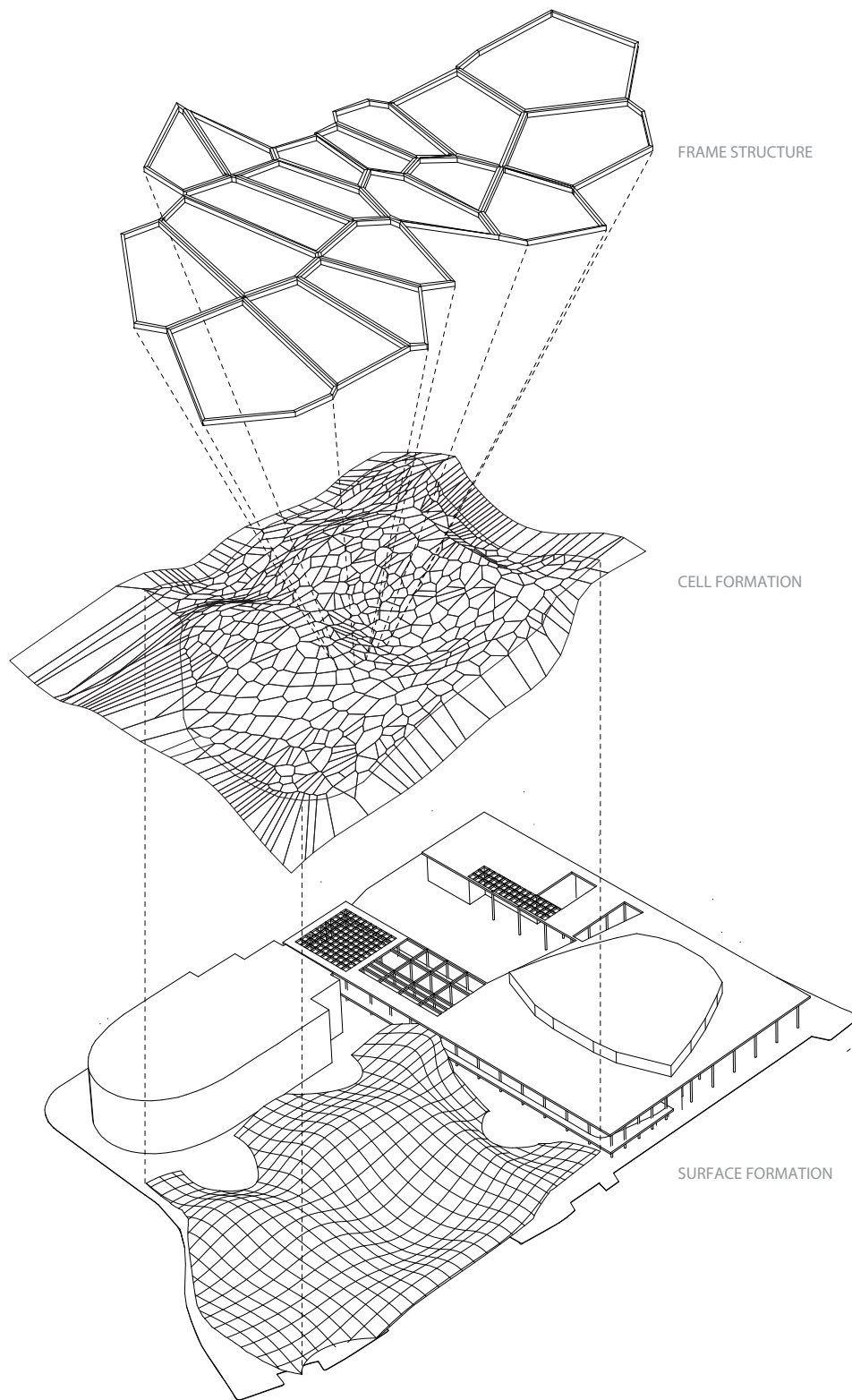
contour lines at 750 cm  
intervals



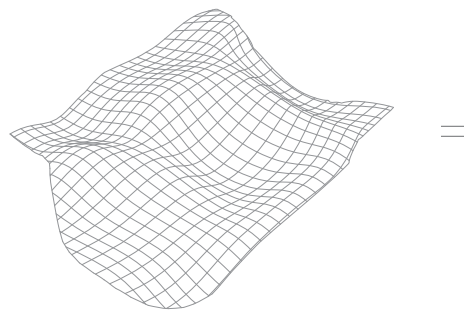
voronoi extracted from contour  
lines to create the surface's  
structural pattern



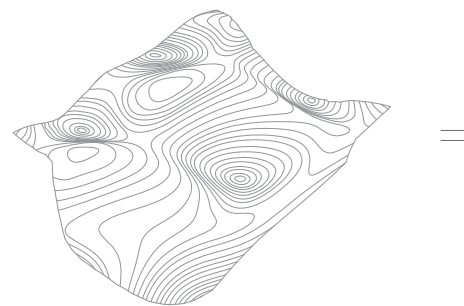
voronoi provides a sound,  
organic-like structure



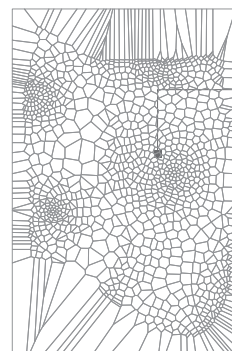
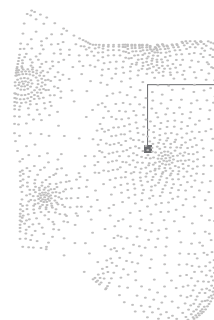
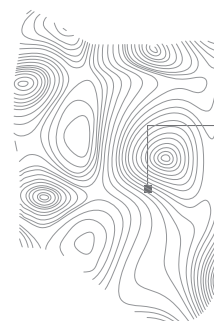
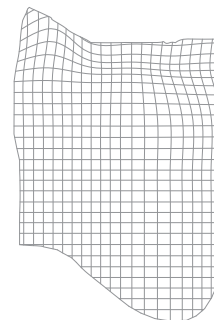
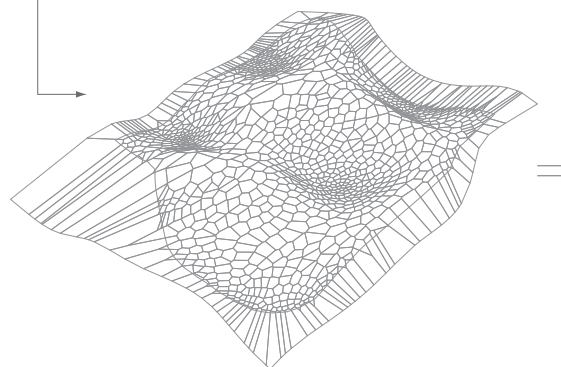
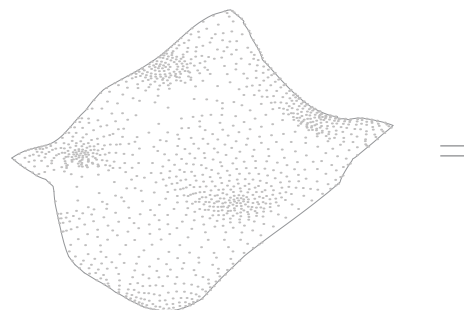
profiles extracted  
from surface



points extracted  
from profiles



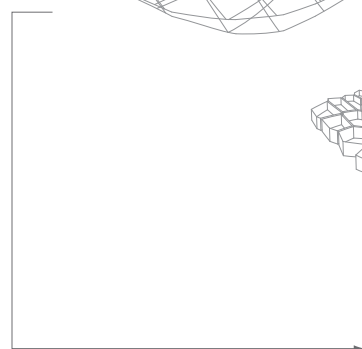
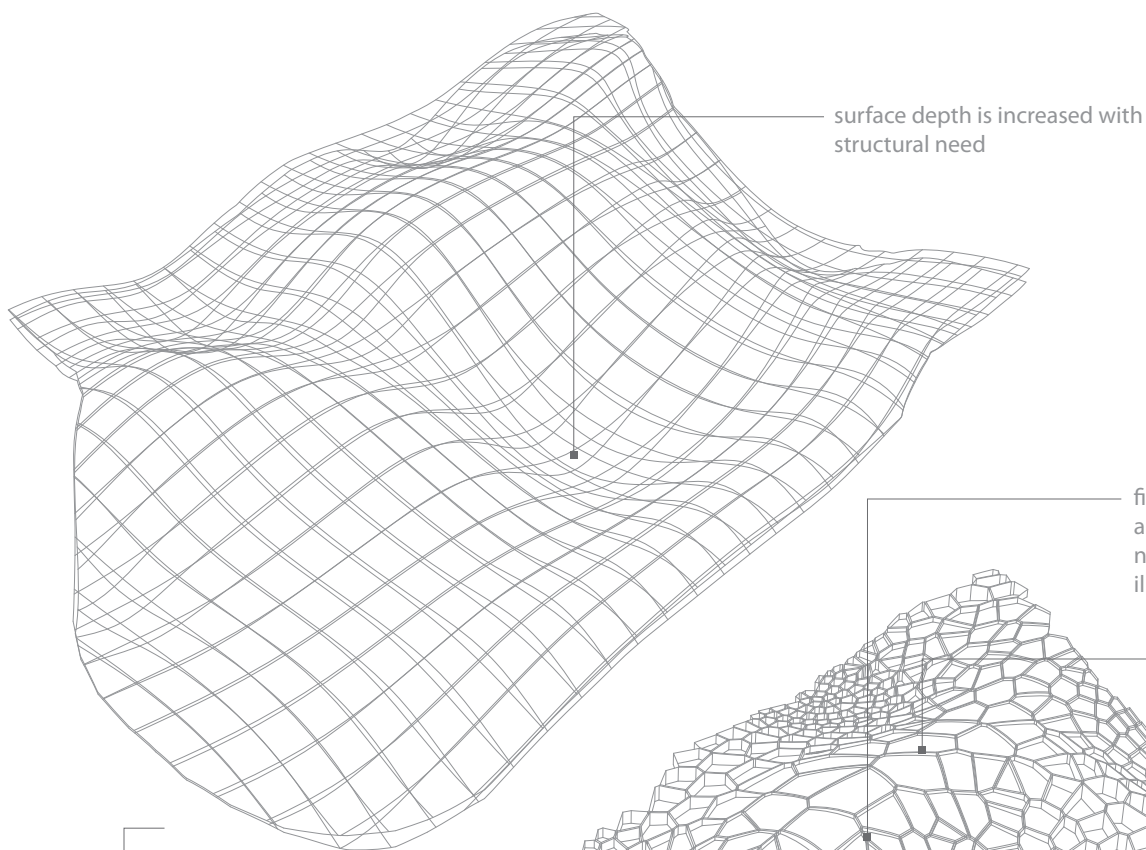
cellular pattern  
extracted from  
points



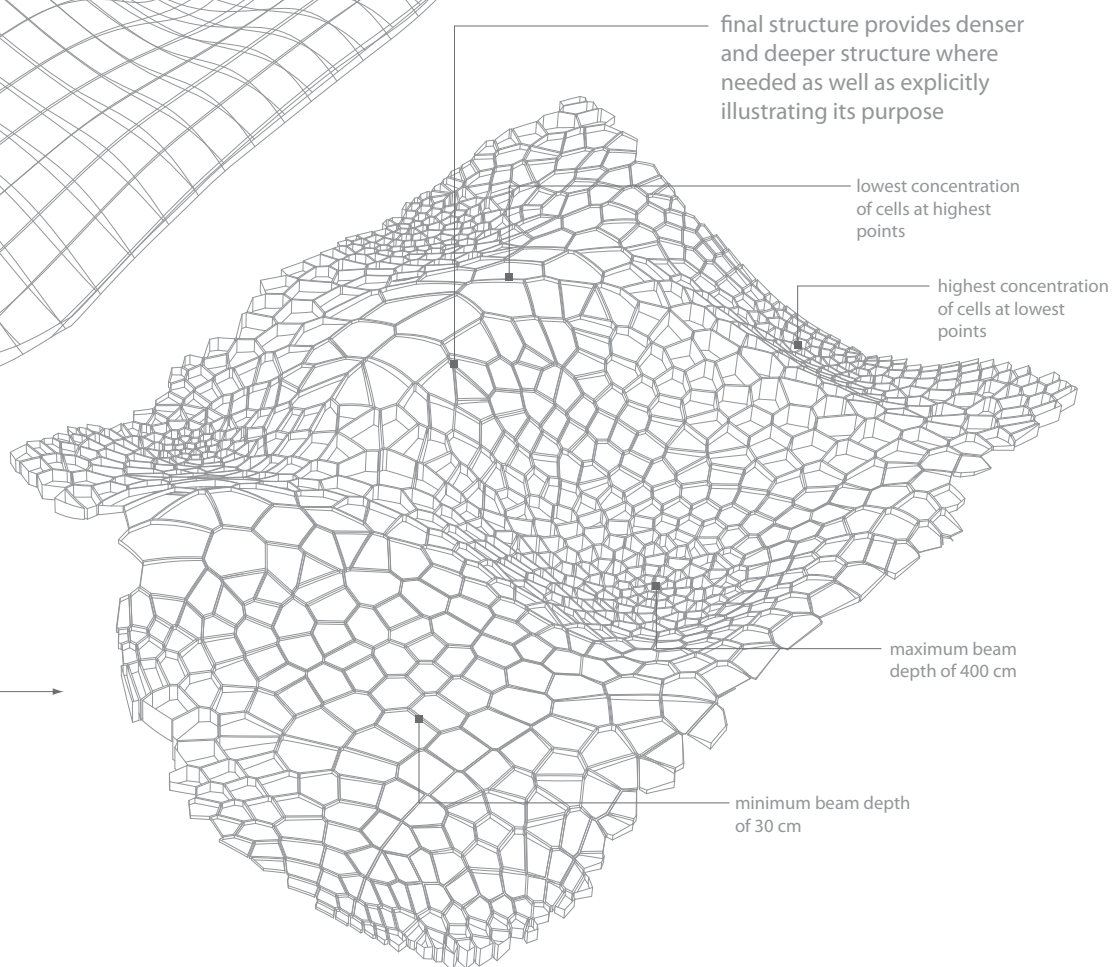
interval of profiles based  
upon structural need

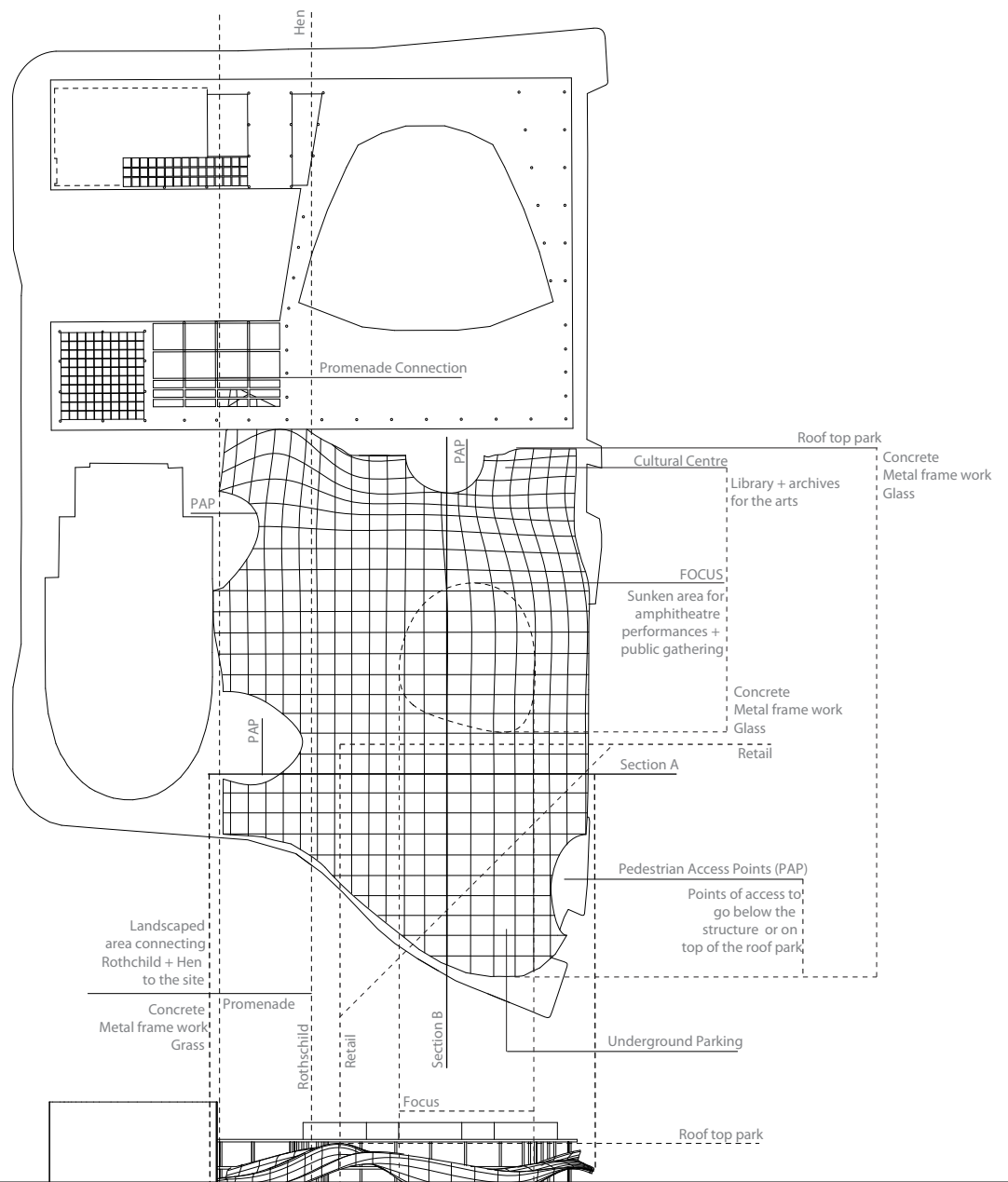
density of points based  
upon structural need

cellular pattern begins to  
provide a sound structure  
with cell density rising as  
structural need is required

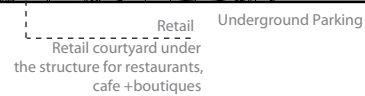


new surfaces intersected  
with obtained cellular  
pattern





Section A



Section B

