Facade of Regal Shoes, Guwahati

Nudes Office

Institute for advanced architecture of Catalonia

STUDENT: İbrahim Uğur Kükner

Regal Shoes, Guwahati

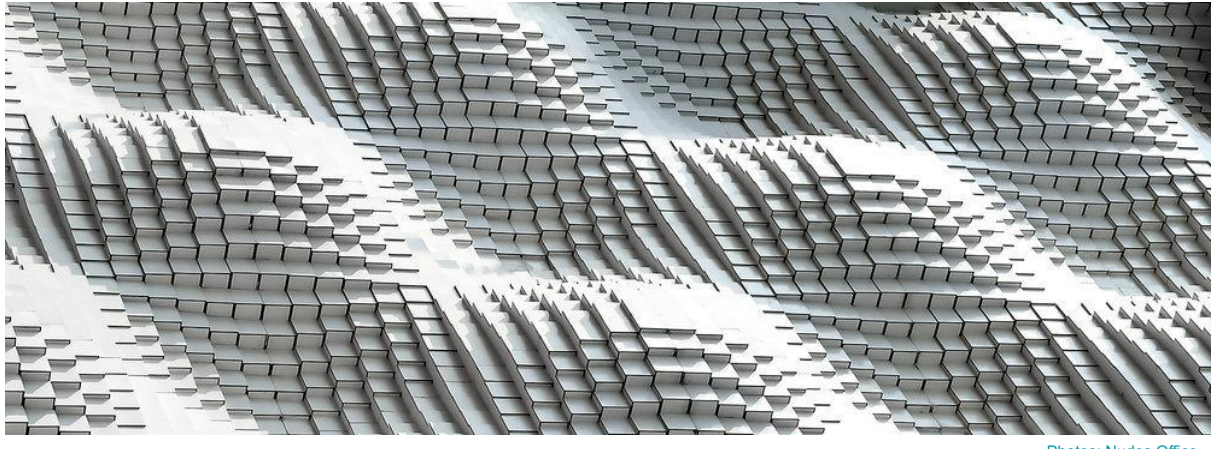
Nudes Office

The facade of the retail store is defined by boxes that create a sense of flowing dynamism.
The depth pattern is giving the surface curvy form.

Material:
Composit panels







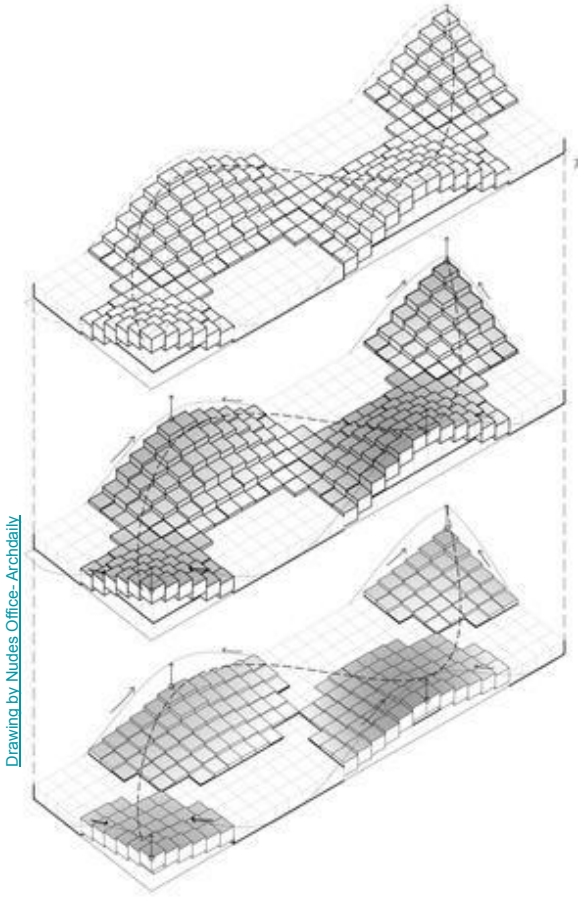
Photos: Nudes Office

Facade of Regal Shoes, Guwahati

Nudes Office

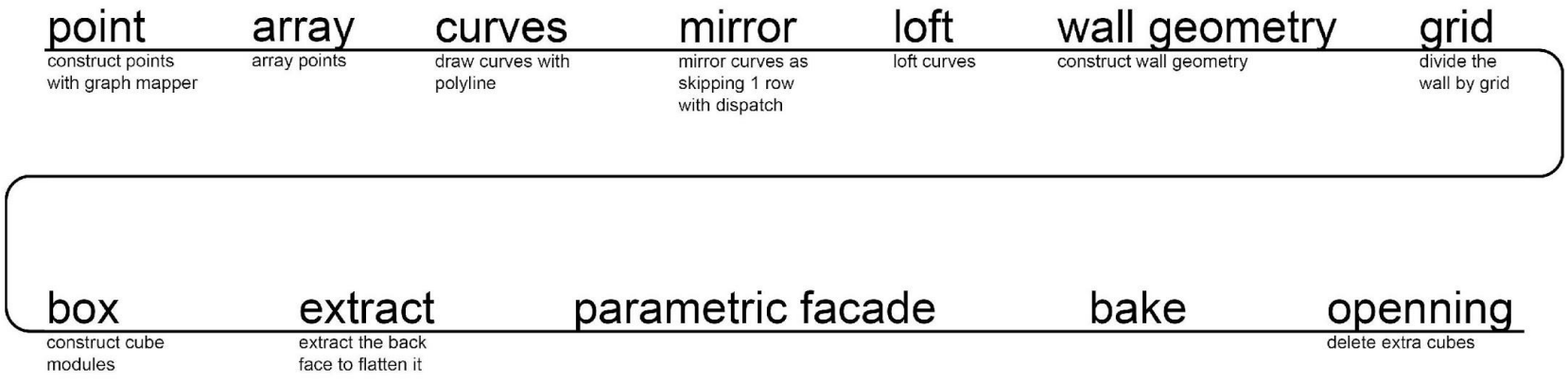
Design of the façade has a pixelated effect. To achieve this effect with cubes this way is followed:

- Surface with the 3d curves
- Dividing the surface by size of desired cube dimension
- Giving the depth of cubes



Drawing by Nudes Office- Archdaily

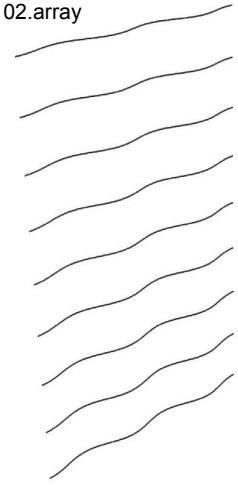
Pseudo Code


point
construct points with graph mapper
array
array points
curves
draw curves with polyline
mirror
mirror curves as skipping 1 row with dispatch
loft
loft curves
wall geometry
construct wall geometry
grid
divide the wall by grid
box
construct cube modules
extract
extract the back face to flatten it
parametric facade
bake
openning
delete extra cubes

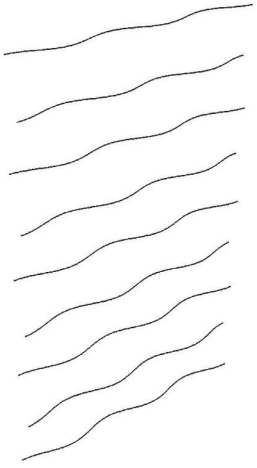
Code Development



01.points by graph mapper



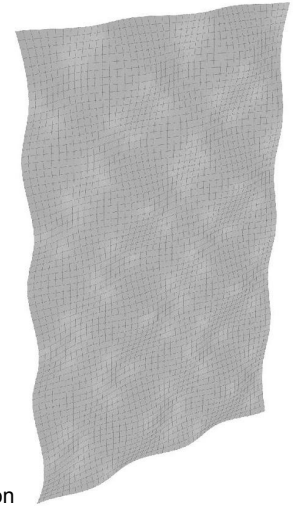
02.array



03.mirror by skipping one row



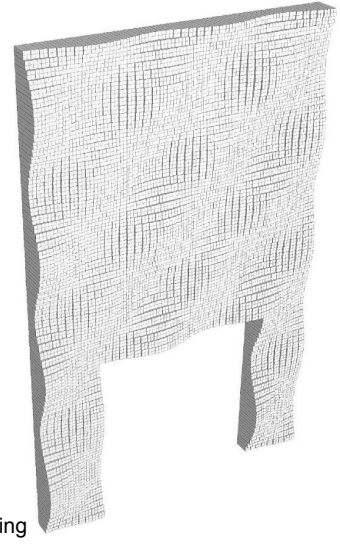
04.loft



05.division



06.extrusion



07.flatten back
face and openning

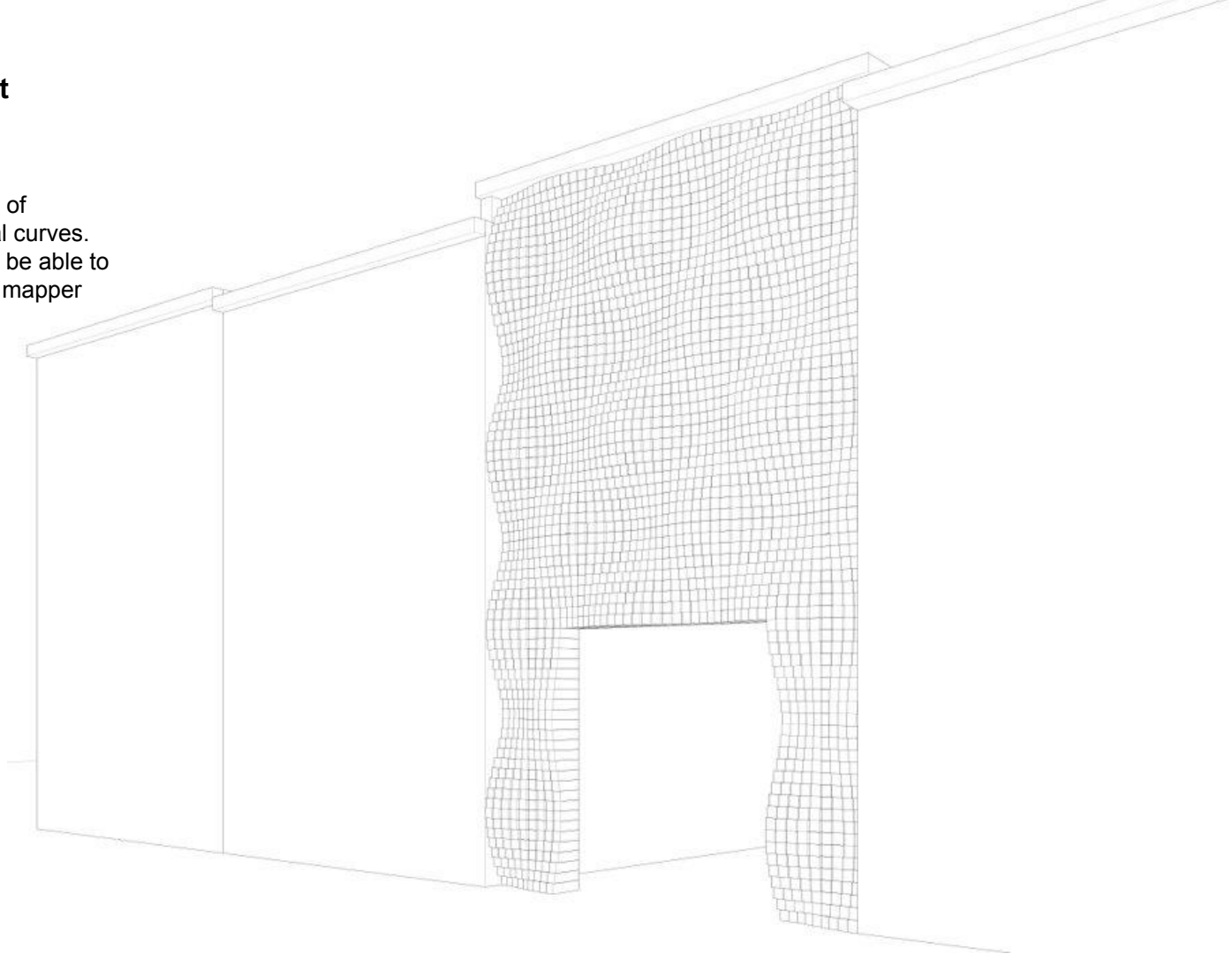
TUTORS: RODRIGO AGUIRRE, MOHAMAD ELATAB
ASSISTANT: IVAN MARCHUK, OANA TAUT

FACADE OF REGAL SHOES, GUWAHATİ

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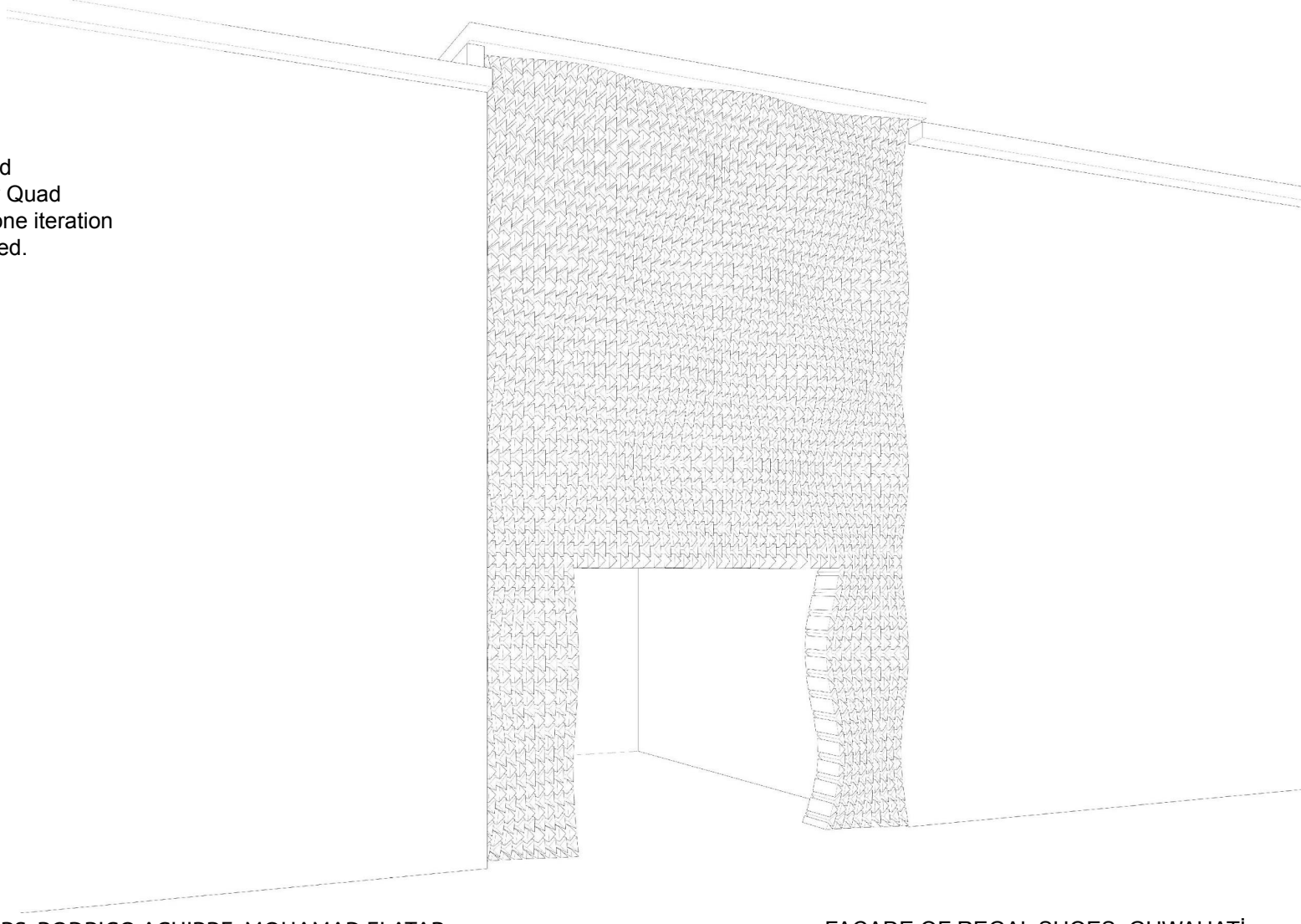
Facade main element

Cubes
Cubes' depth and the form of façade is defining by virtual curves. To get those curves and to be able to manipulate surface, graph mapper component is used.

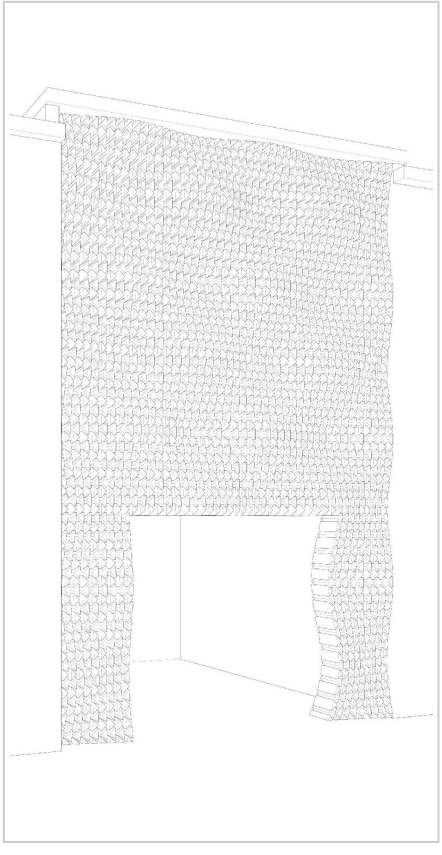


Facade array

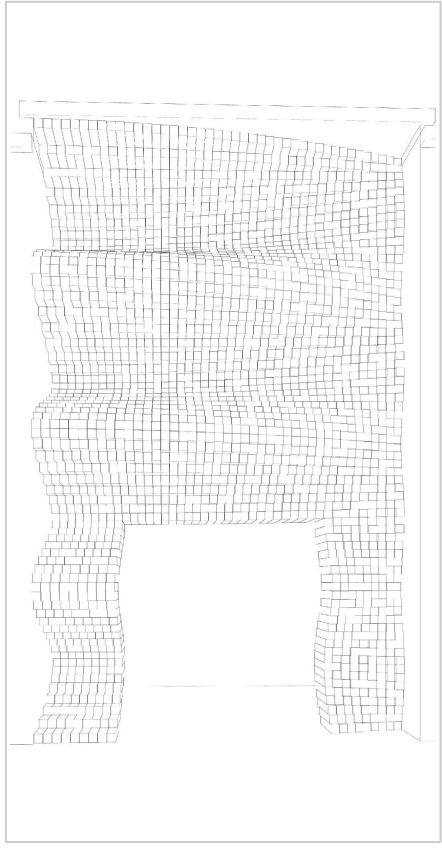
The surface is square grid base.Division is made by Quad Panels component. For one iteration triangular base grid is used.



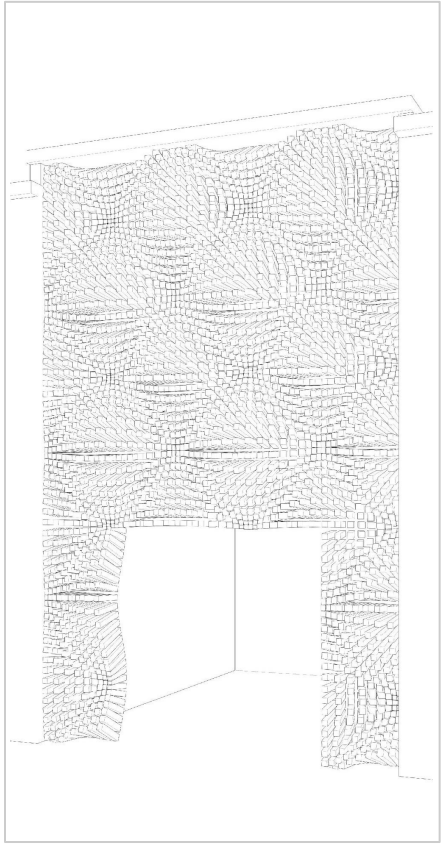
Facade iterations



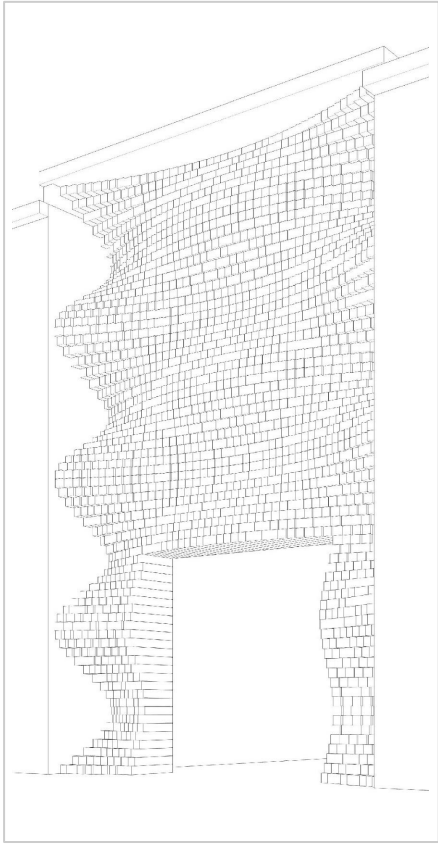
Triangular base grid is used



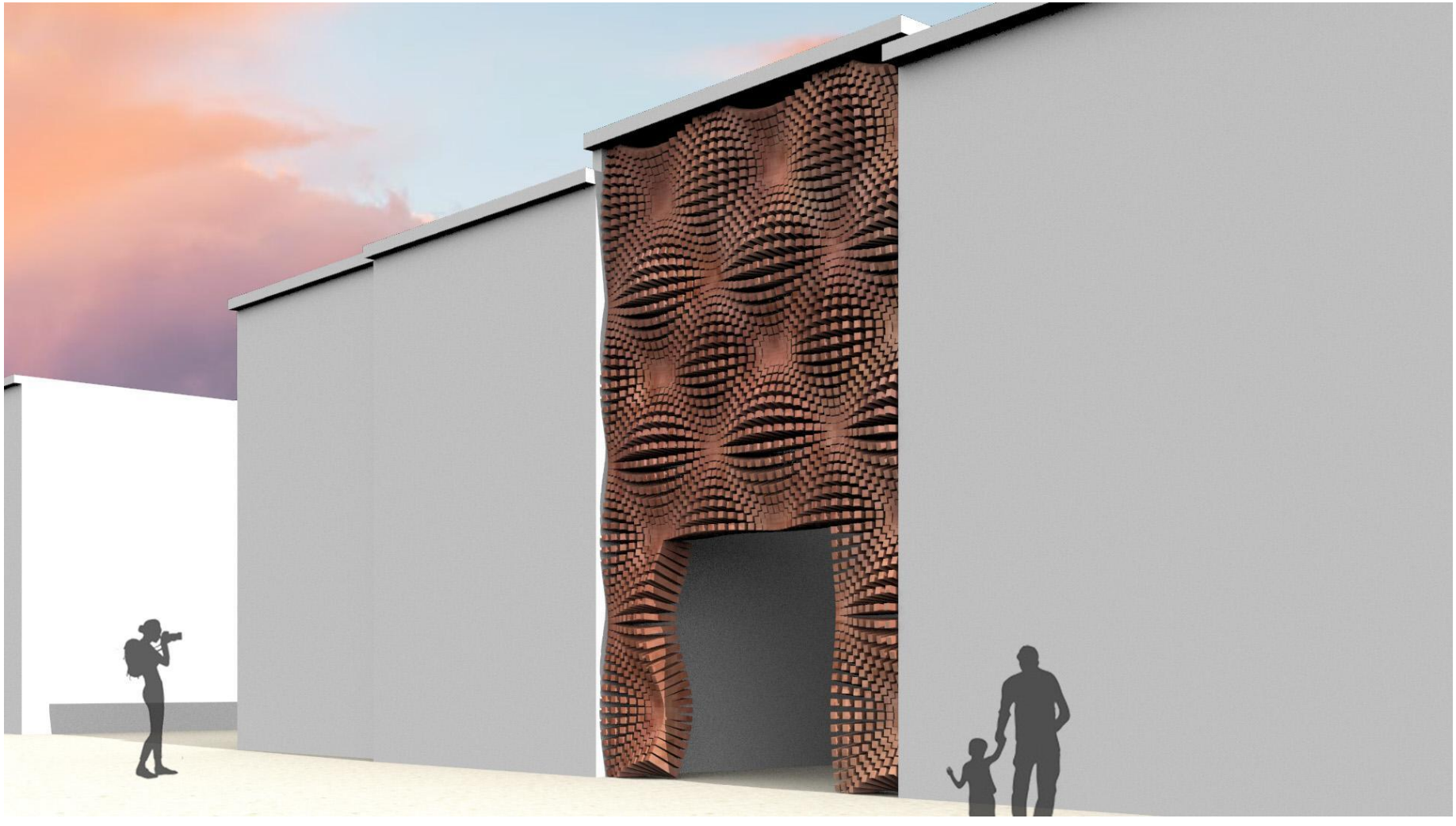
Reference curves are changed
by Graph Mapper



Base of cubes are scaled



Reference curves are changed
by Graph Mapper



Iaac

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