

TDHQ Office Building

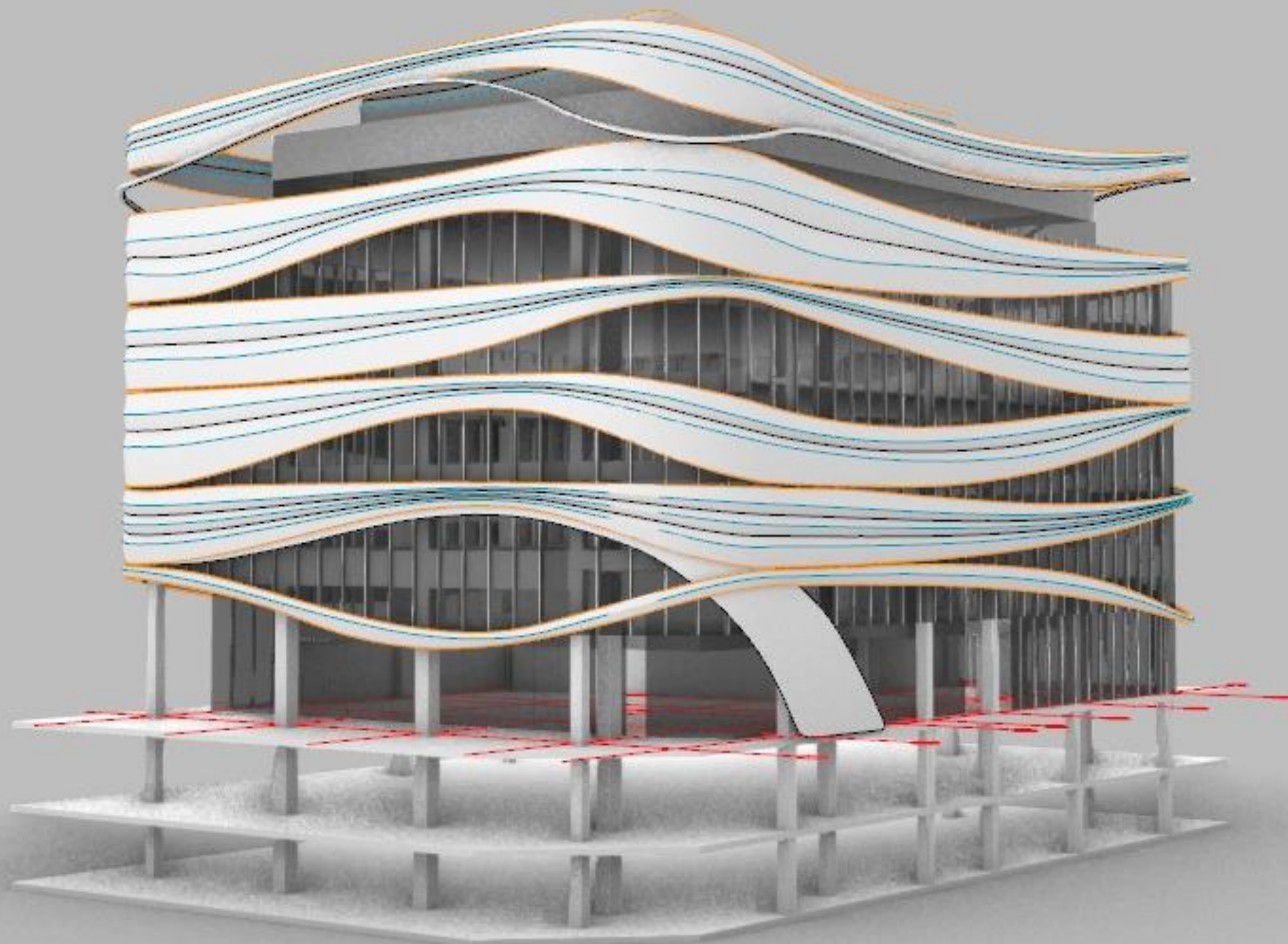
Doha, Qatar

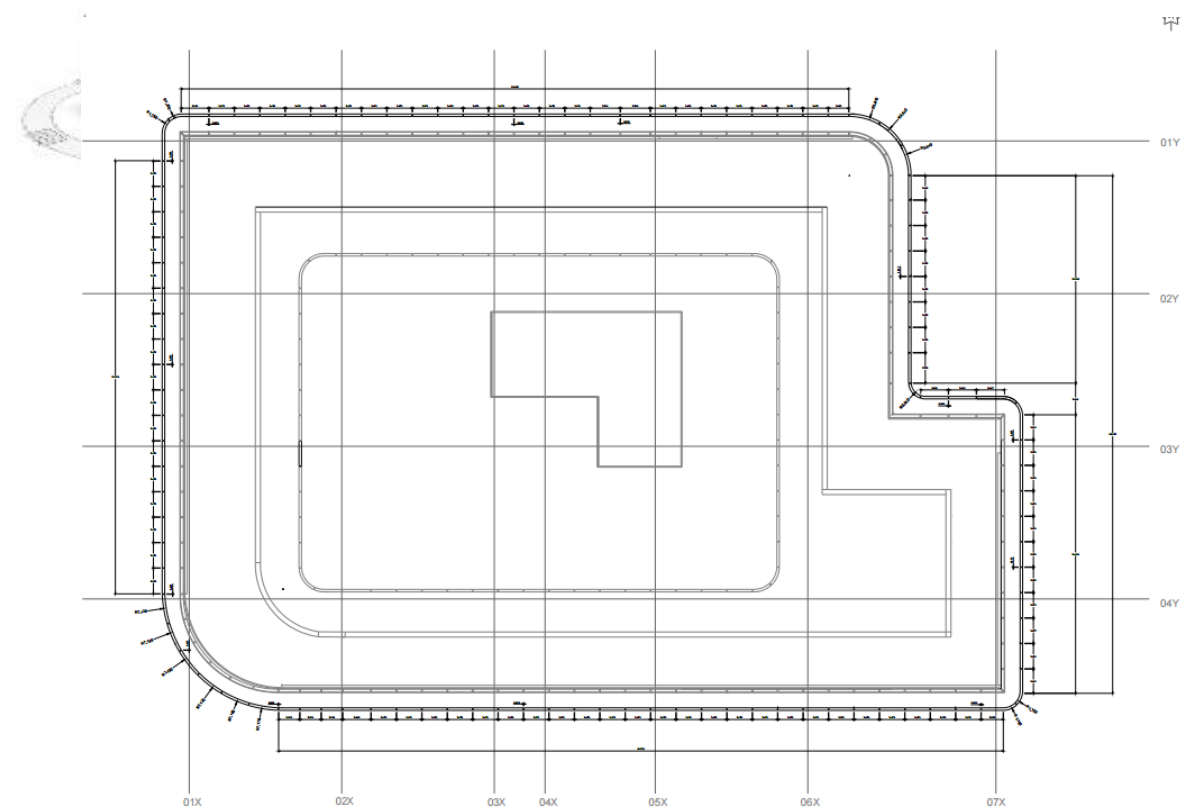
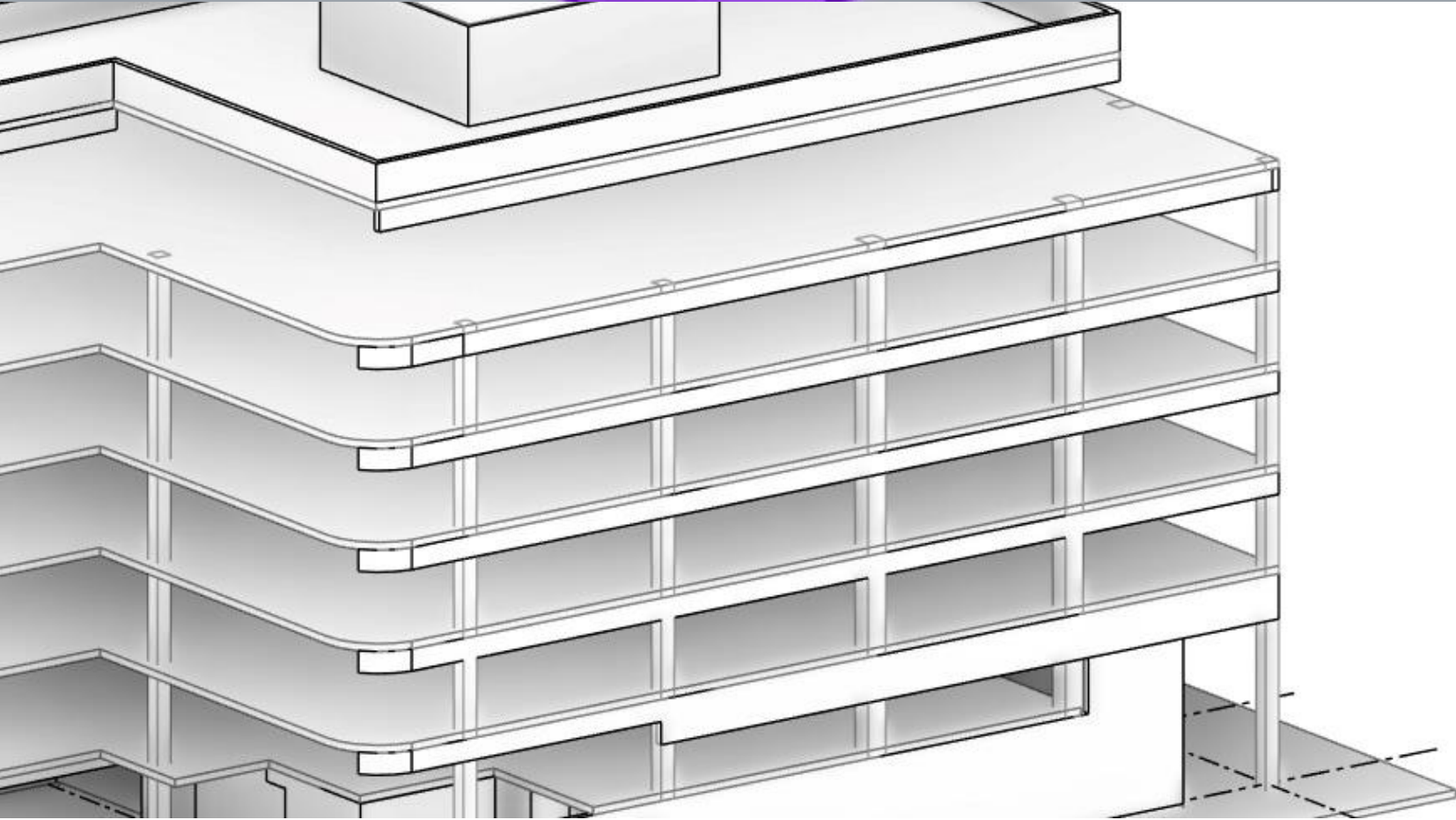
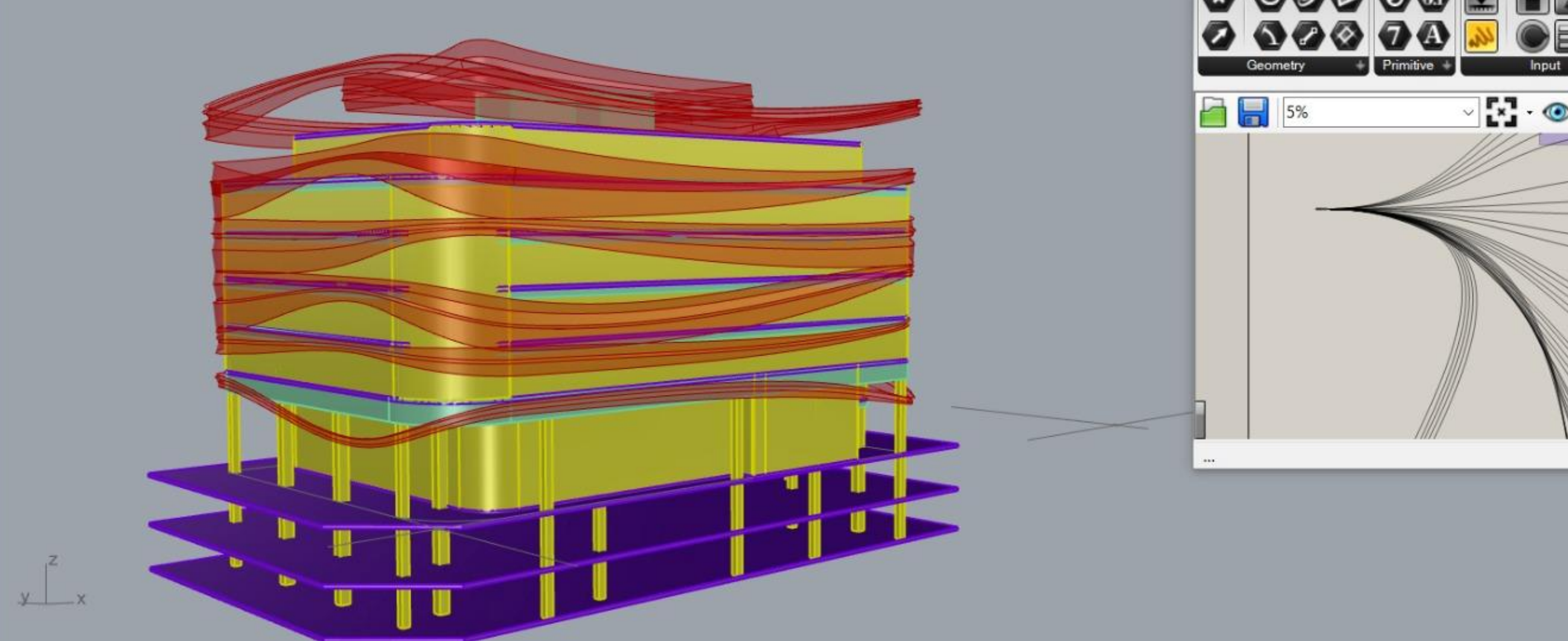
Scope:
Building skin fabrication/
engineering

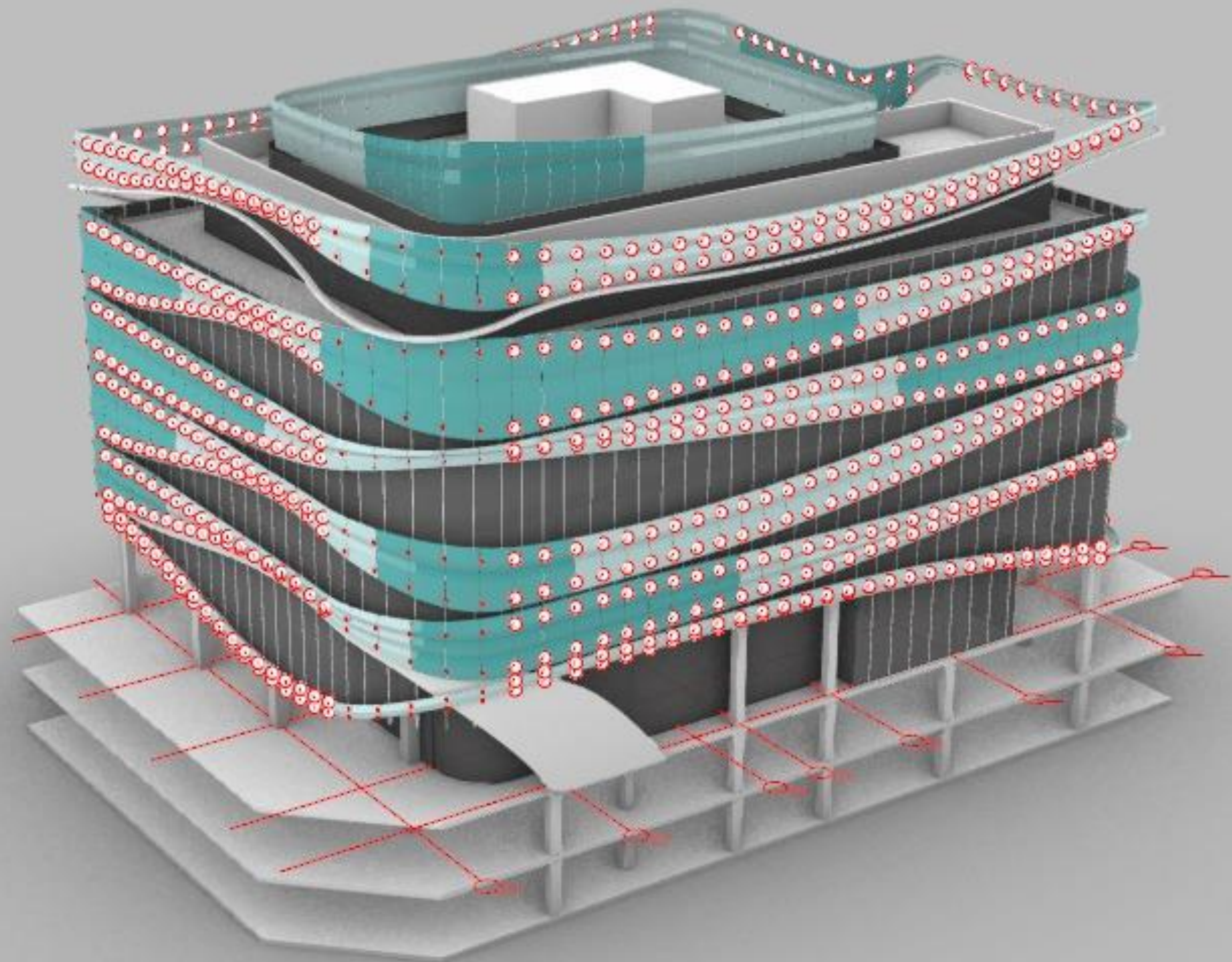


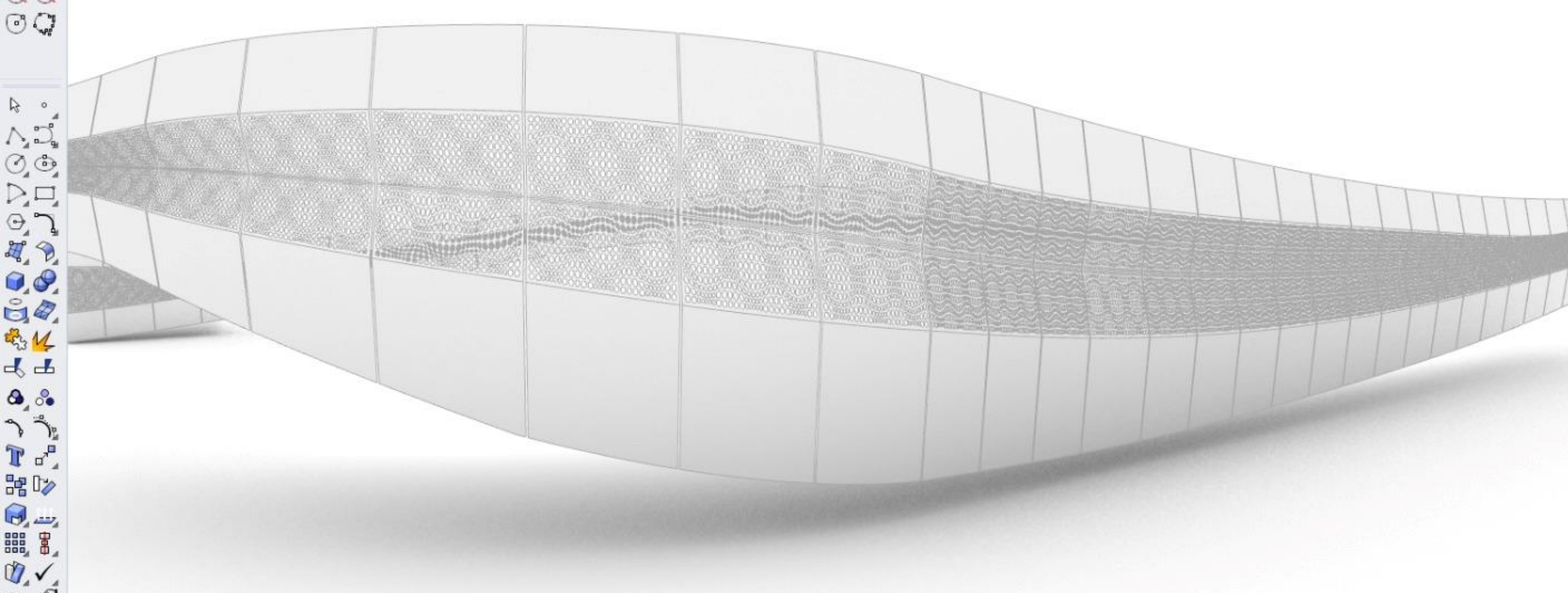




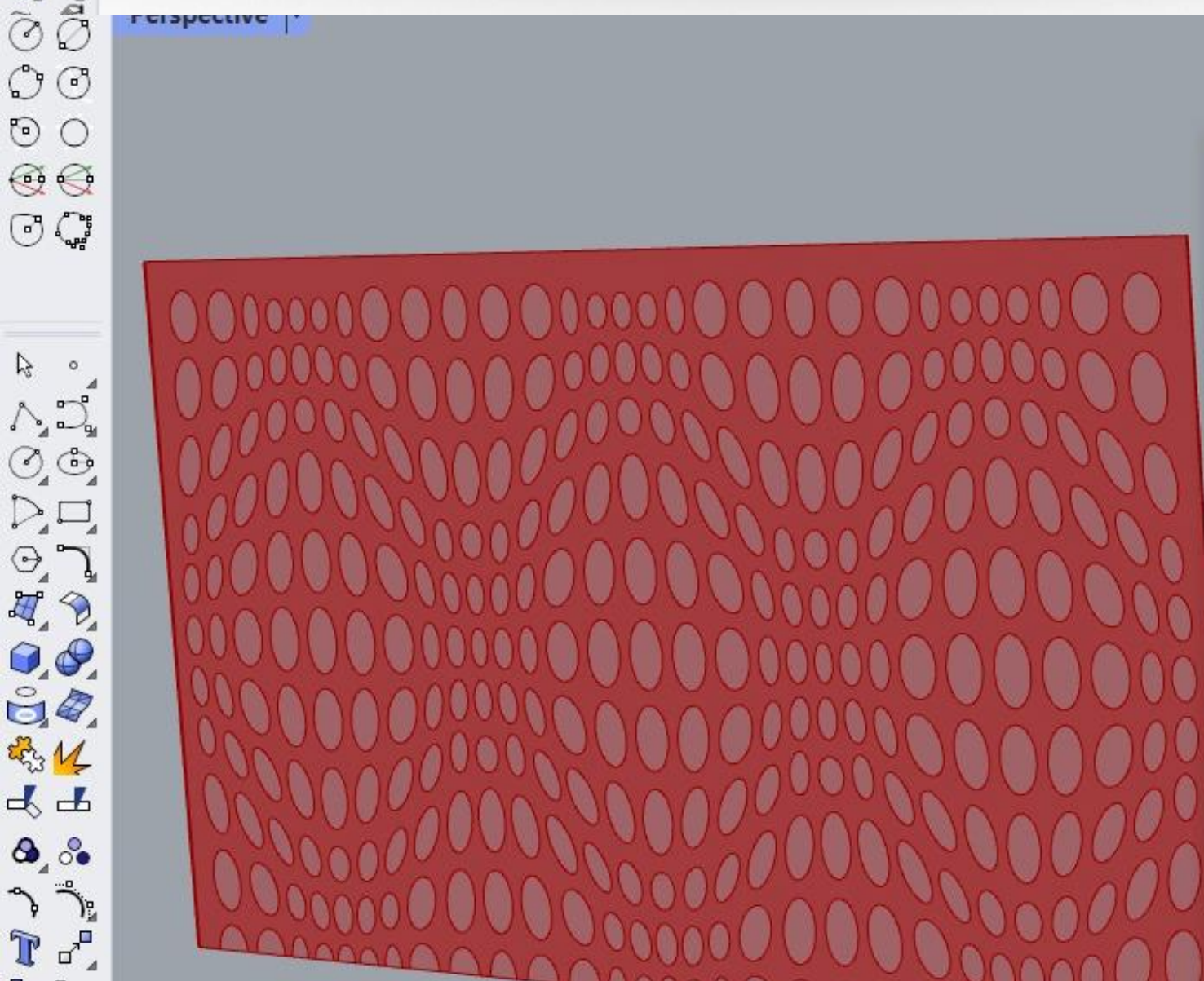








- Layer
- RIBBON TYPE A
- RIBBON TYPE B
- RIBBON TYPE C
- Below 3.2 Panel
- 3.2 Panel
- 0
- Perforations
- Layer 03**
- errors
- perforation errors
- CURVES



Grasshopper - unnamed

File Edit View Display Solution Help

unnamed

P M S V C S M X T D S D D P P C W E H L

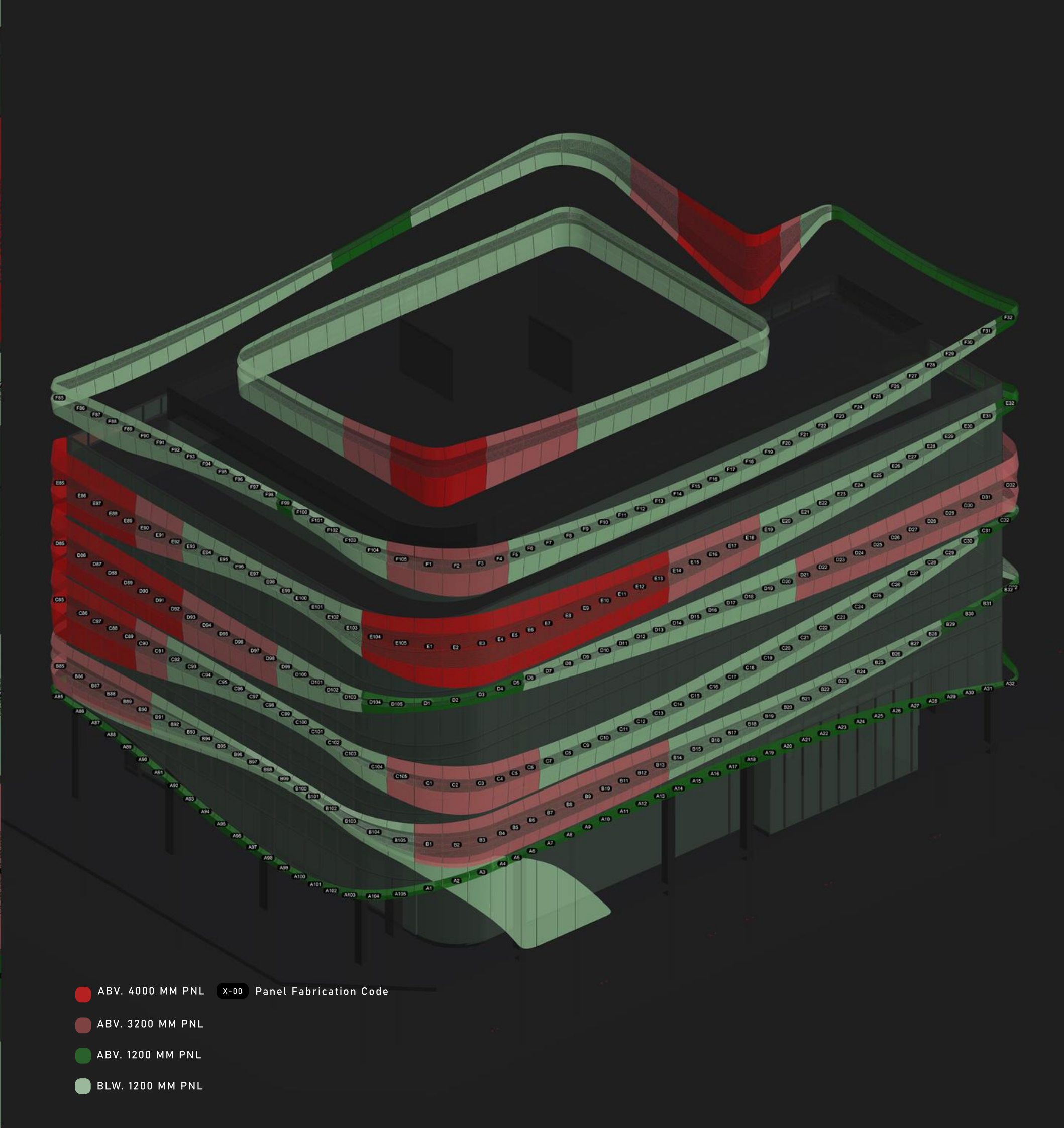
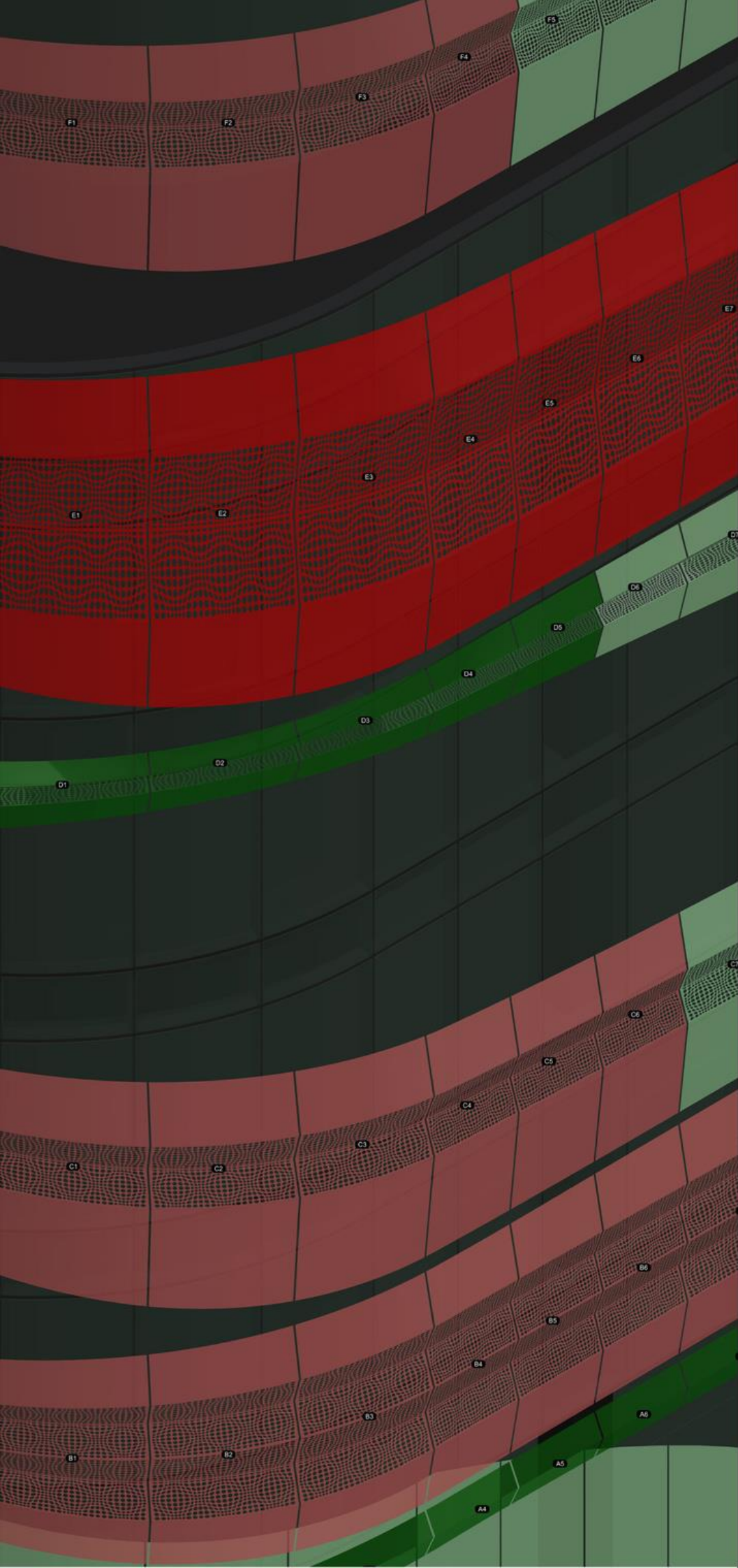
Domain Matrix Operators Polynomials Script Time Trig Util

173%

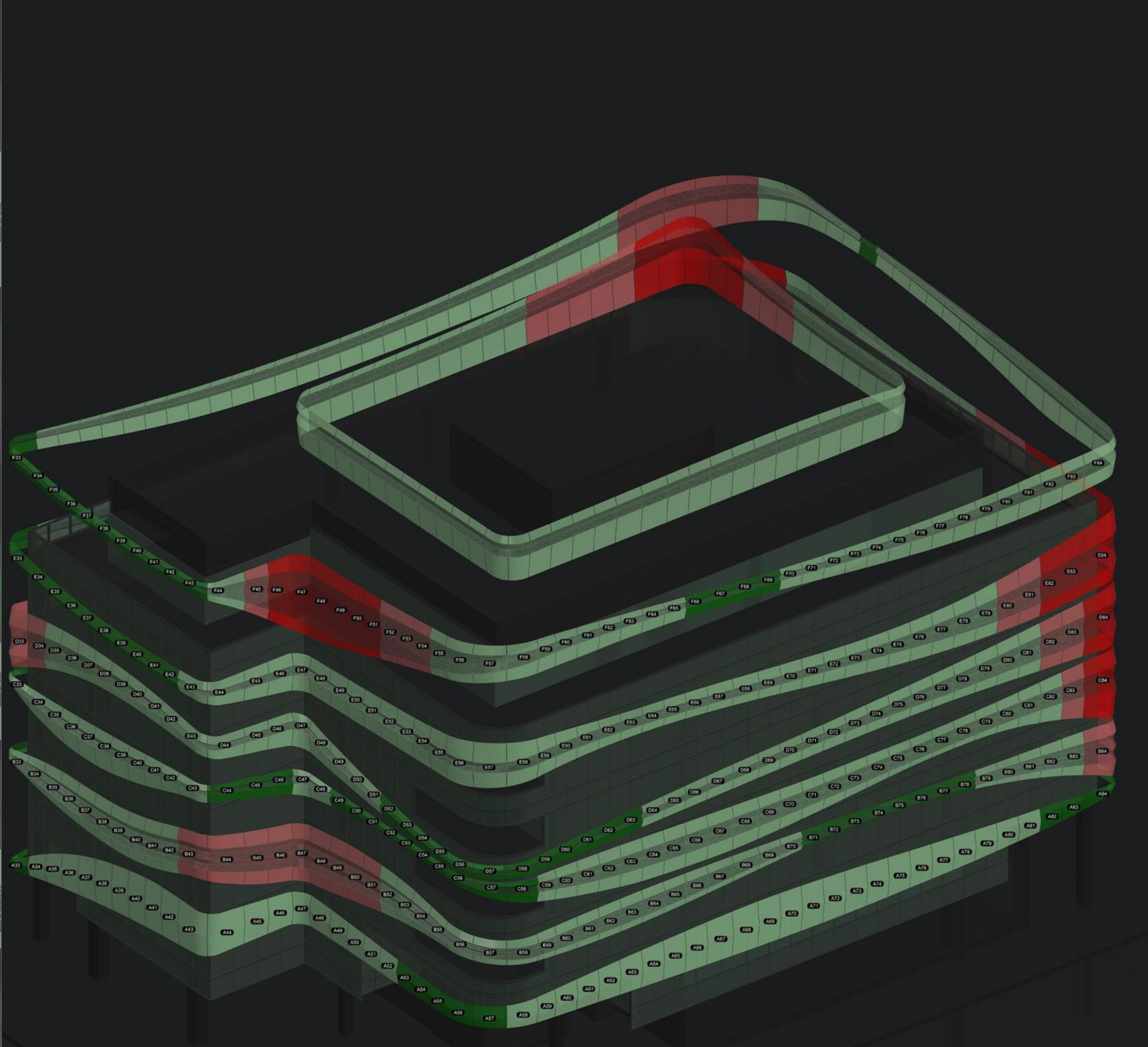
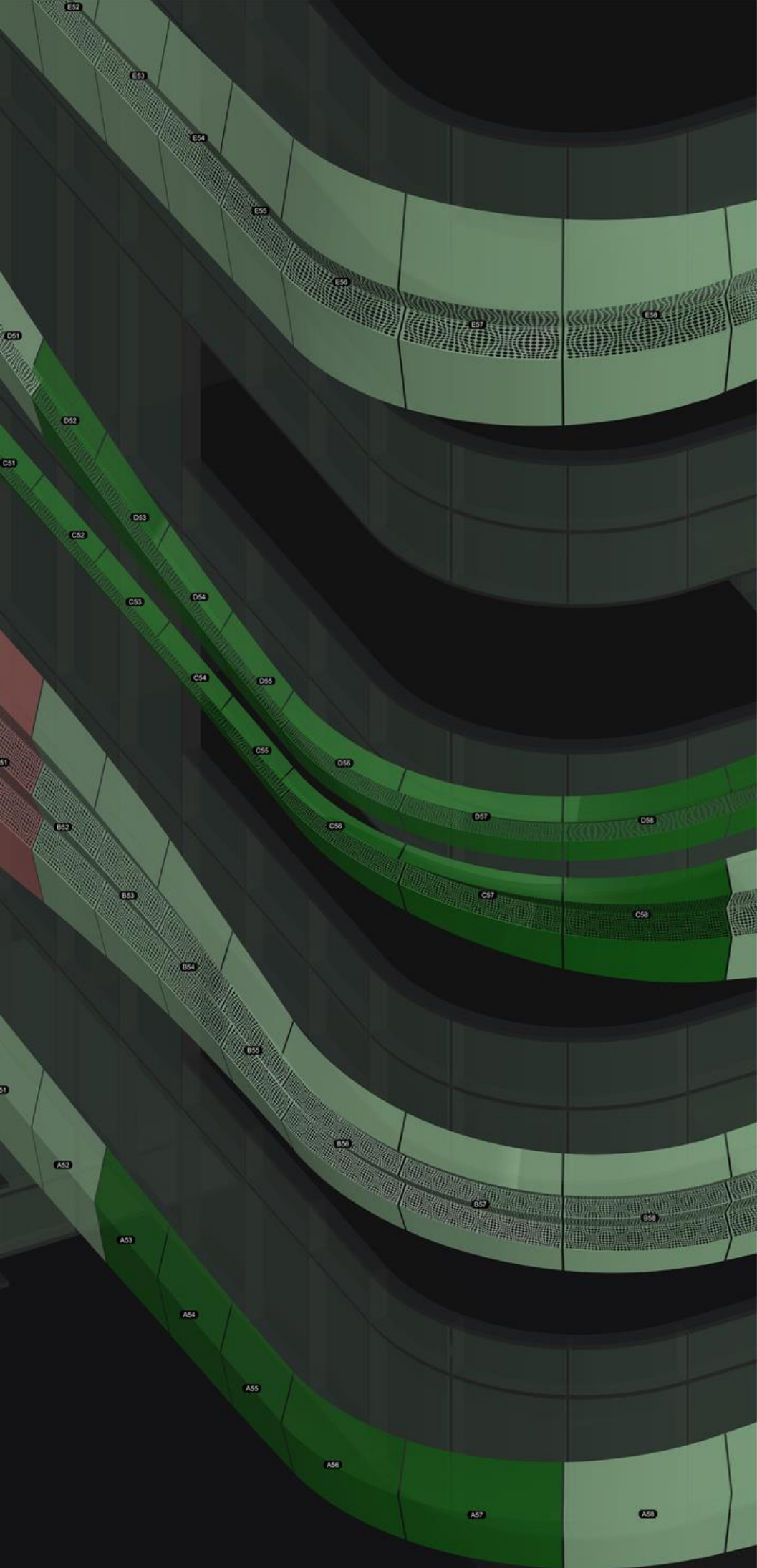
W Domain 0.001

G R S U V W

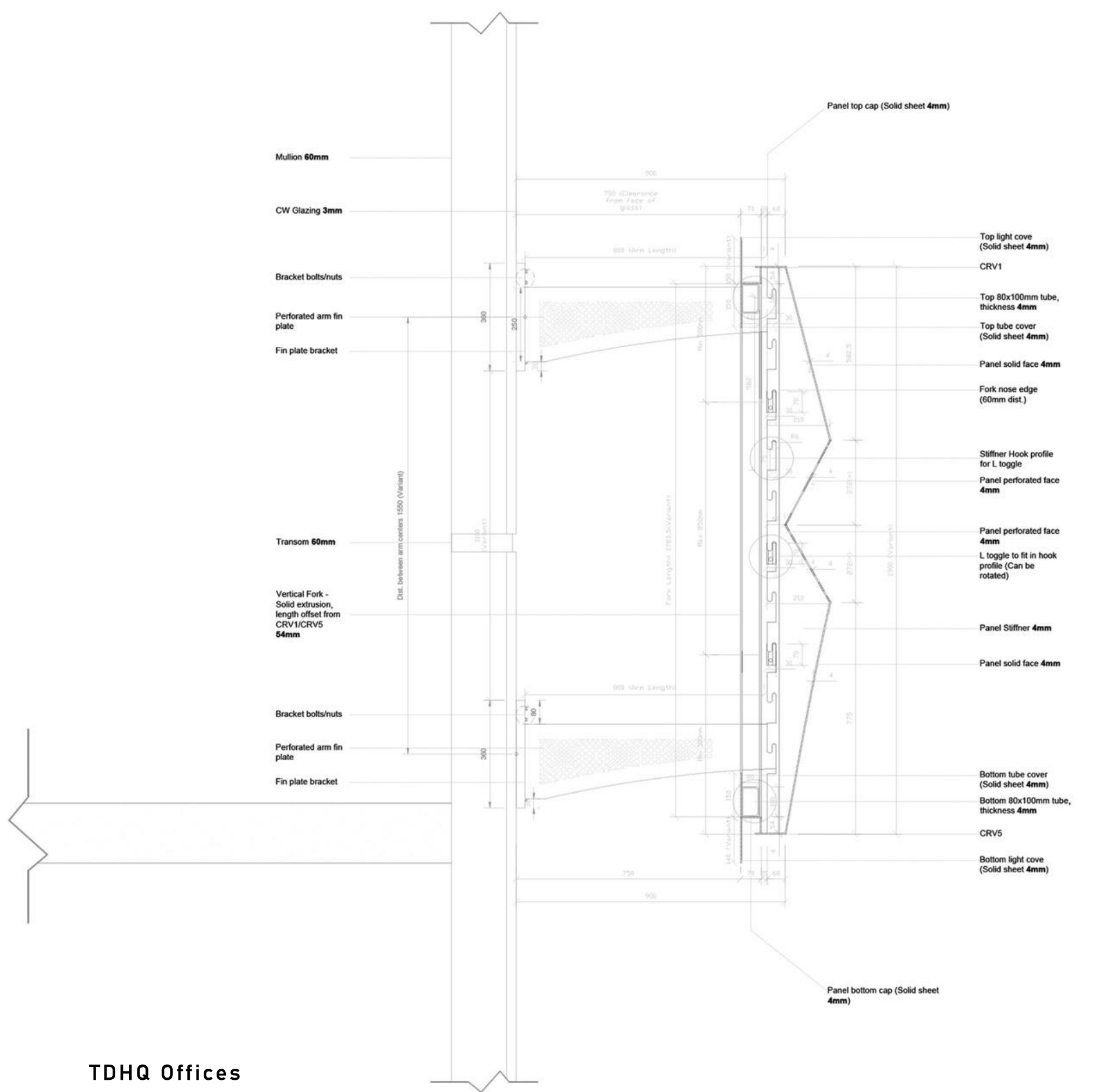
The image shows the Grasshopper software interface. At the top is a menu bar with 'File', 'Edit', 'View', 'Display', 'Solution', and 'Help'. Below the menu bar is a toolbar with various icons for domain, matrix, operators, polynomials, script, time, trig, and util. The main workspace is a 3D view of a red perforated mesh, which is a close-up of the structure shown in the top image. The interface also shows a 'W Domain' slider set to 0.001 and a 'G' icon in the bottom right corner.



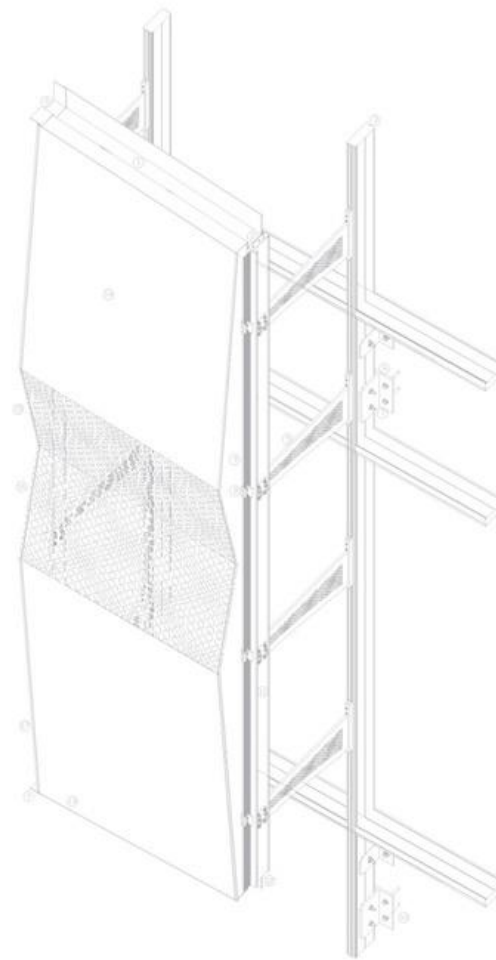
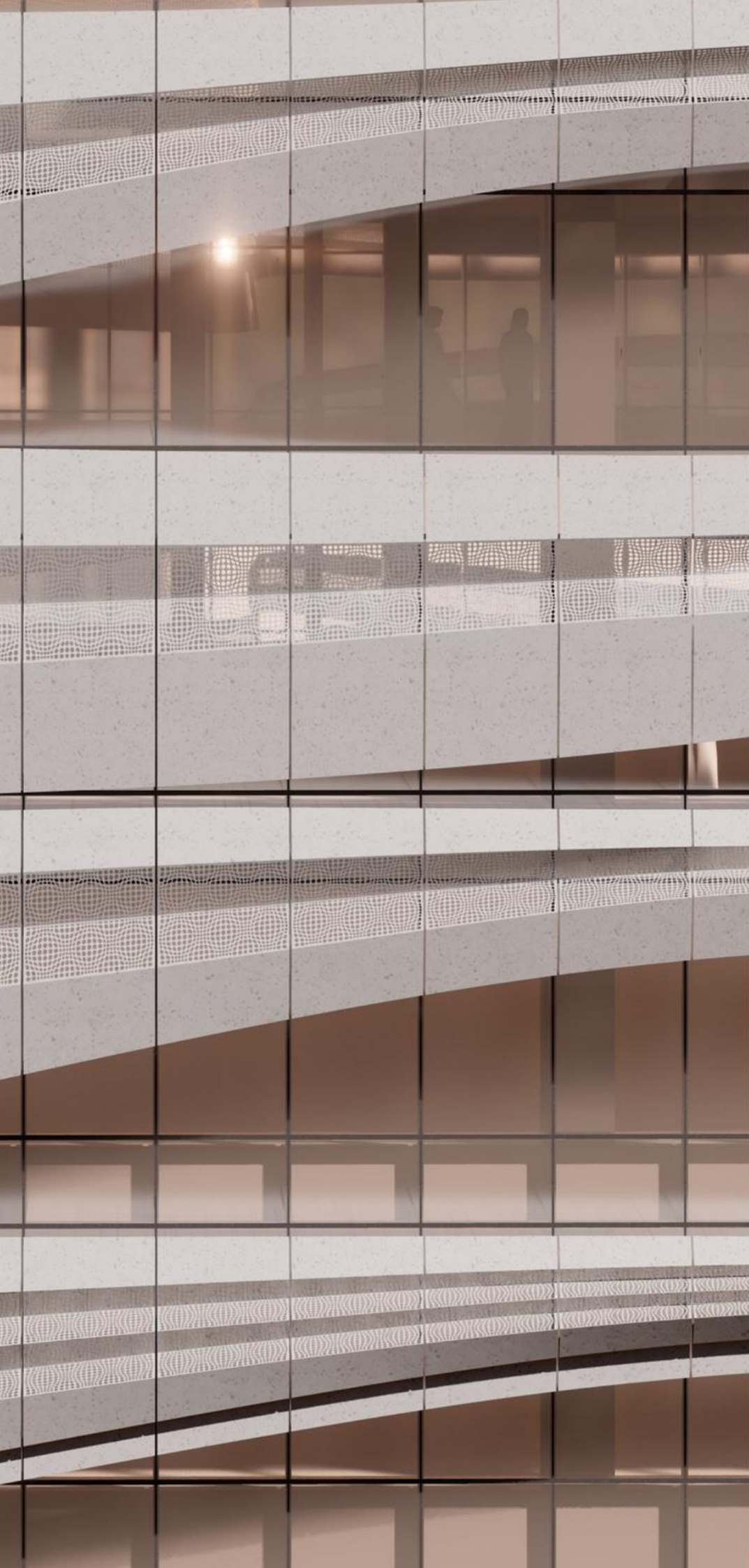
- ABV. 4000 MM PNL X-00 Panel Fabrication Code
- ABV. 3200 MM PNL
- ABV. 1200 MM PNL
- BLW. 1200 MM PNL



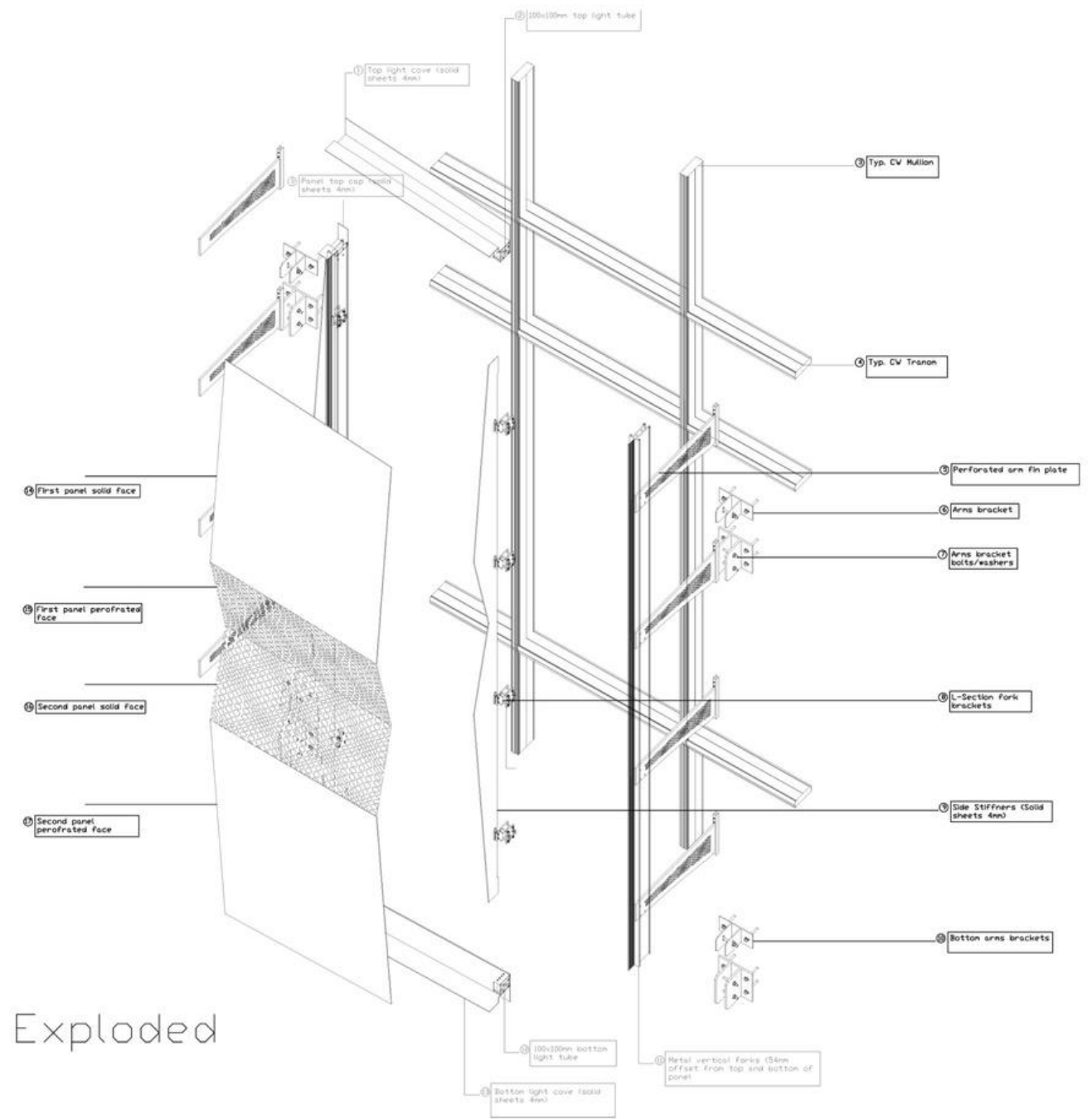
- ABV. 4000 MM PNL X-00 Panel Fabrication Code
- ABV. 3200 MM PNL
- ABV. 1200 MM PNL
- BLW. 1200 MM PNL



TDHQ Offices
Panel System Detail

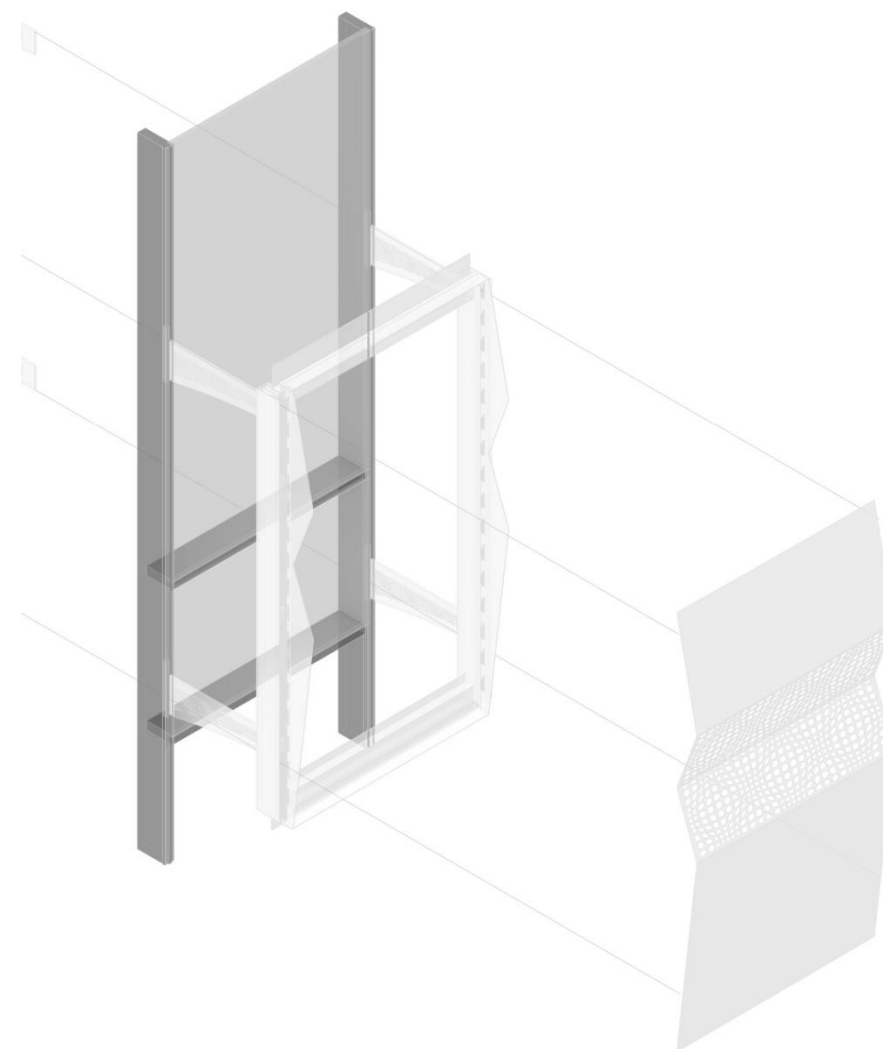
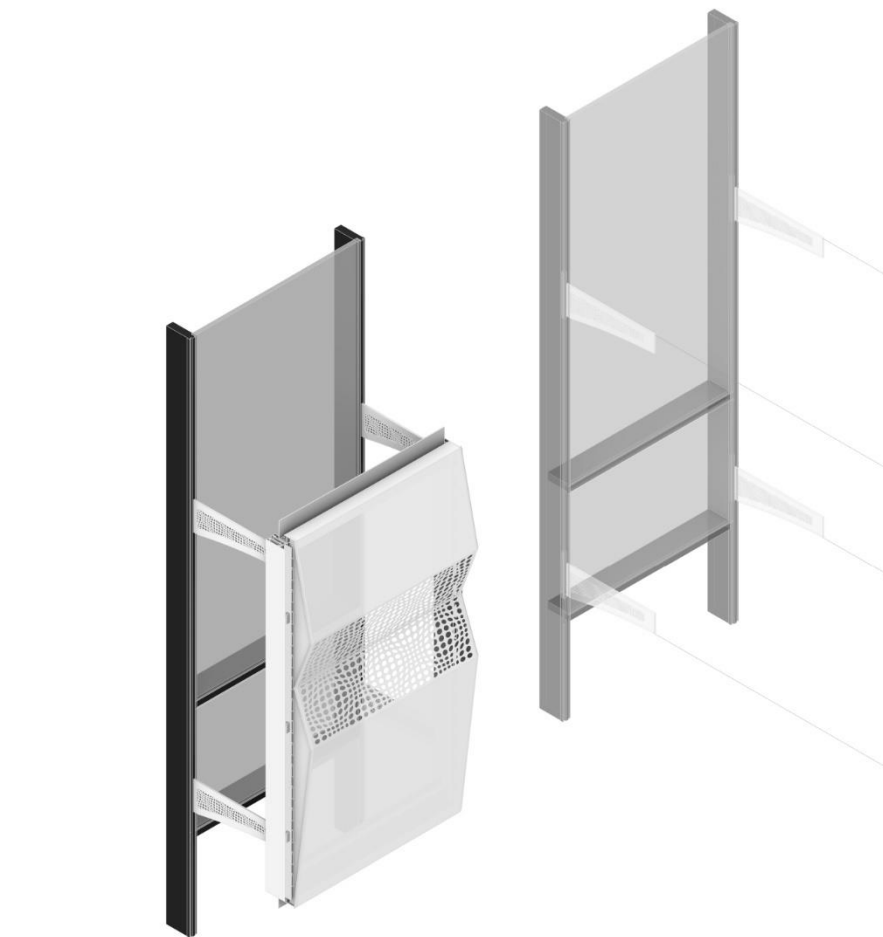
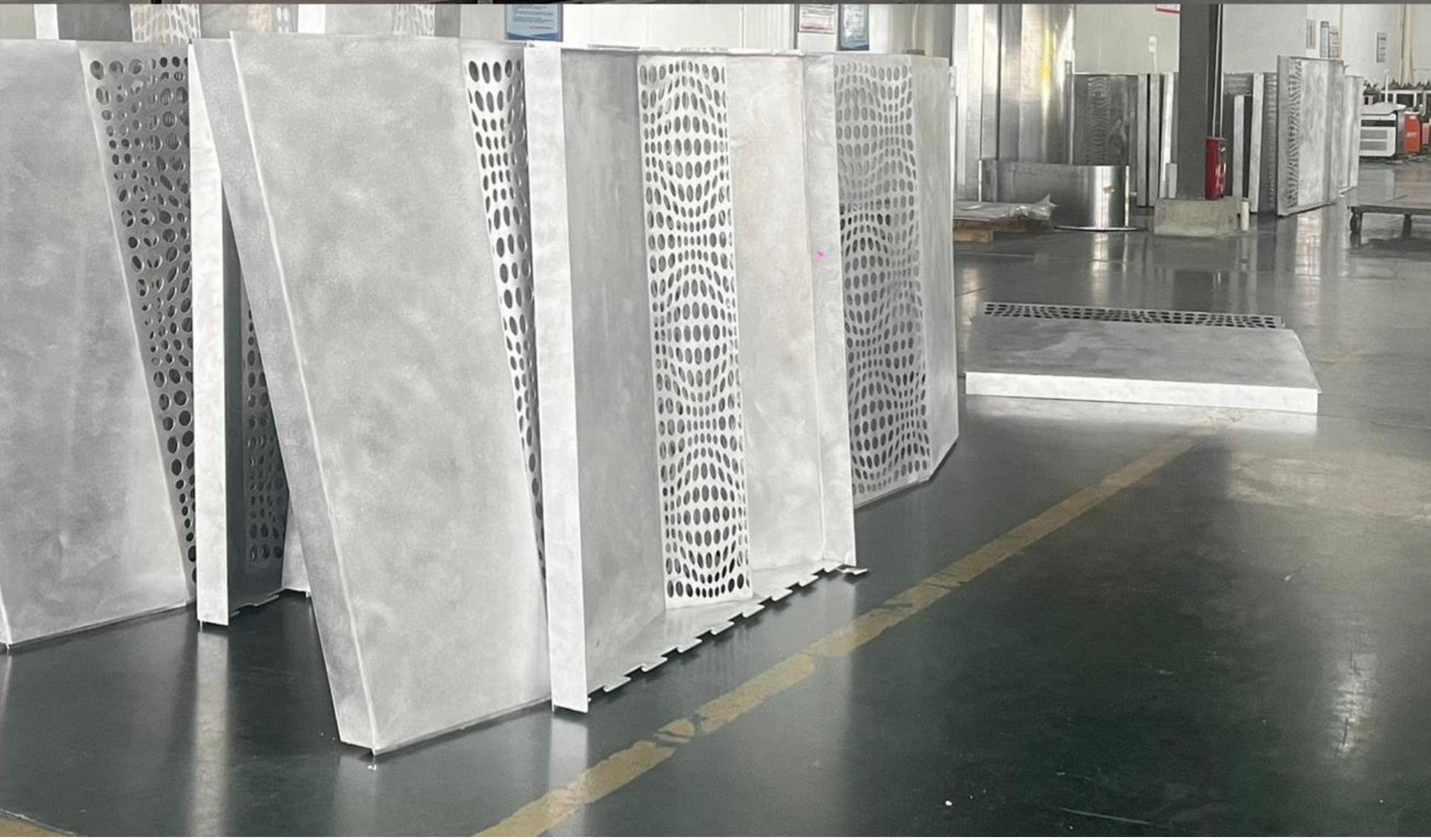


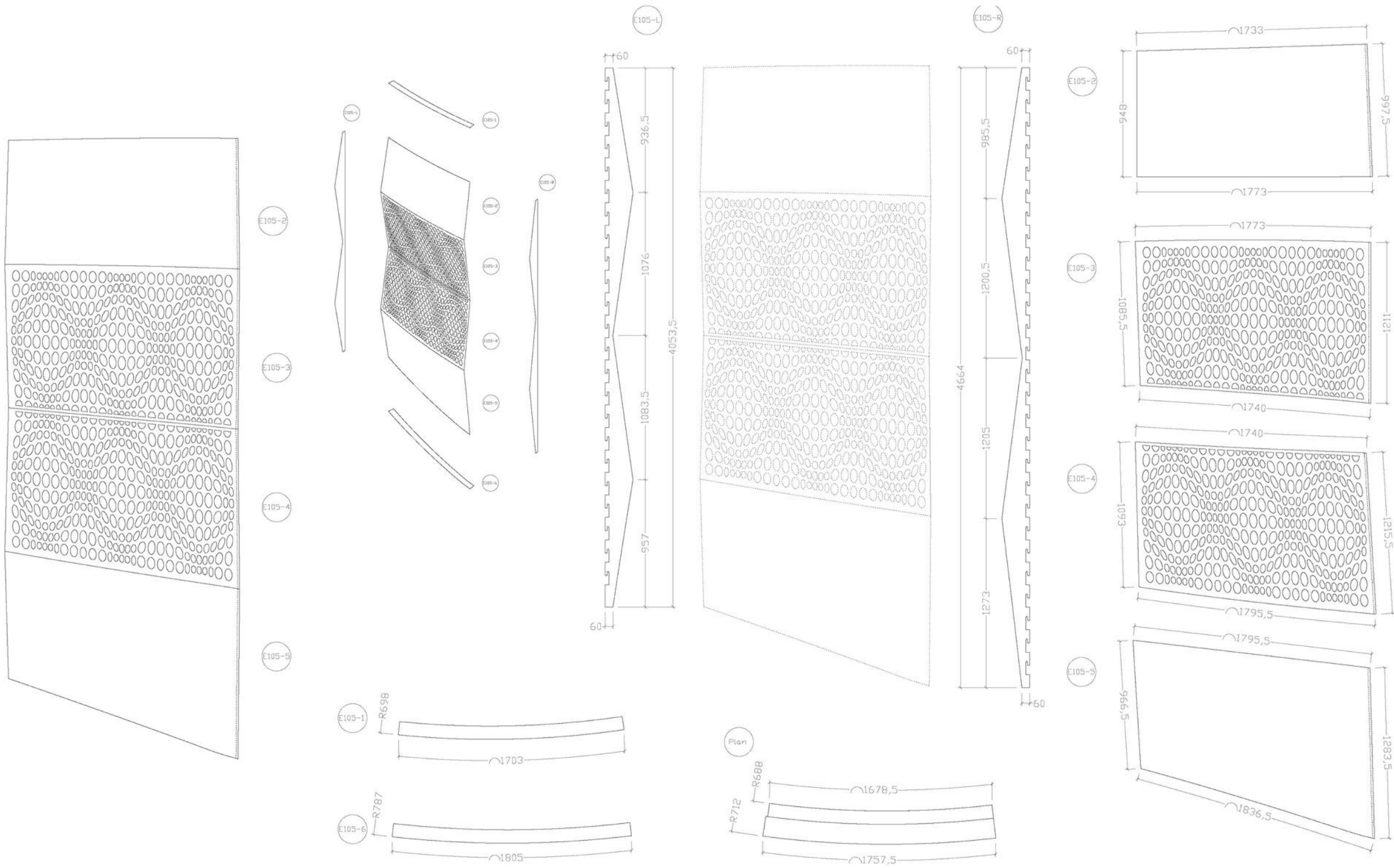
Assembled



Exploded

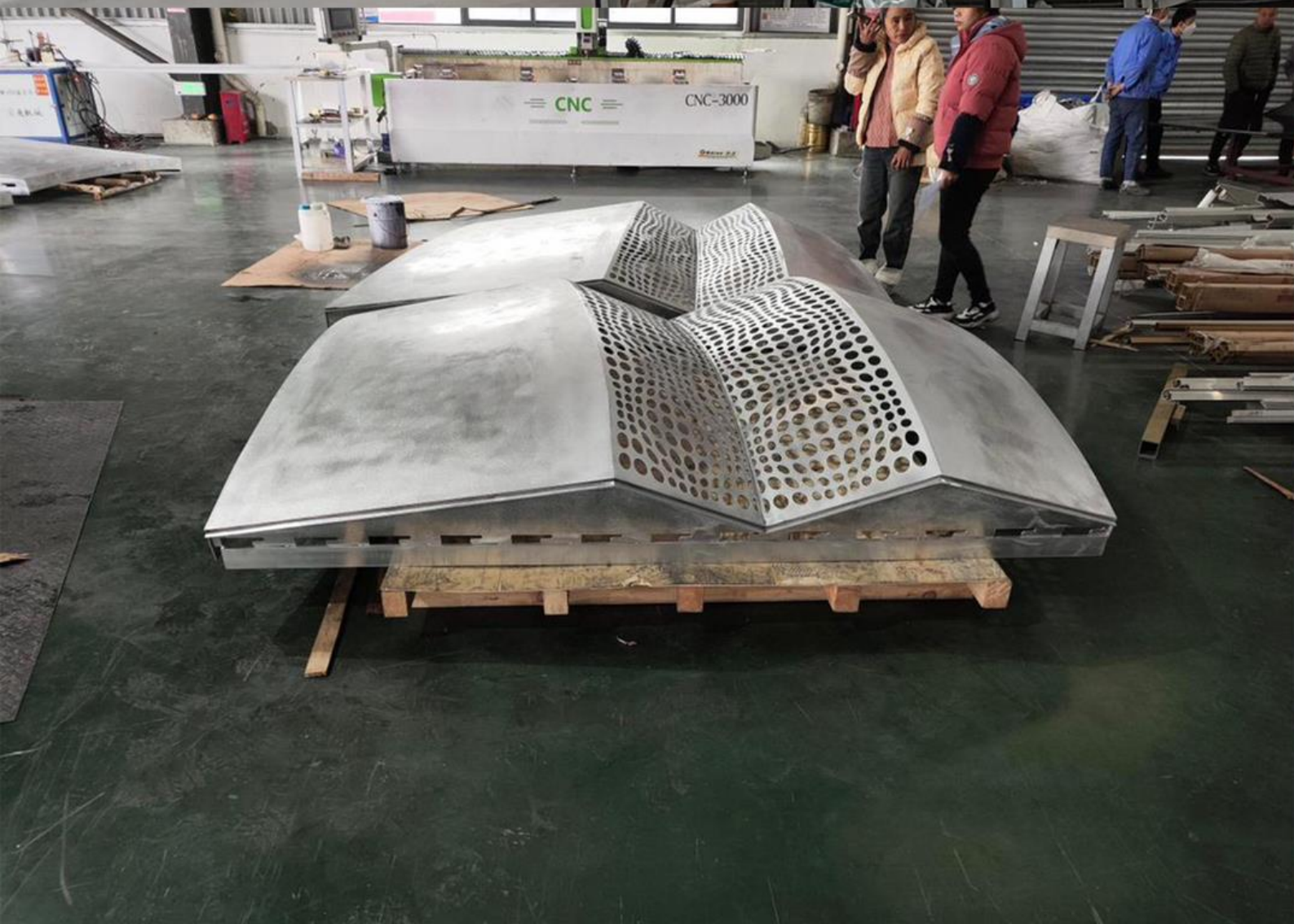
TDHQ Offices
Typical Panel Assembly





TDHQ Offices

Typical panel fabrication sheet



Y01

Y02

Y03

Y04

Special treatment for suspended panels above roof terraces using steel bracing

RIBB F



105 panels, 2 perforated sheets per panel, Suspended by Truss Sys. Fifth to Upper Roof Level

RIBB F 27.15 m

105 panels, 2 perforated sheets per panel, held by arm plates sys. Fourth to Fifth Floor

RIBB E 21.20 m

105 panels, 2 perforated sheets per panel, held by arm plates sys. Third to Fourth Floor

RIBB D 16.48 m

105 panels, 2 perforated sheets per panel, held by arm plates sys. Second to Third Floor

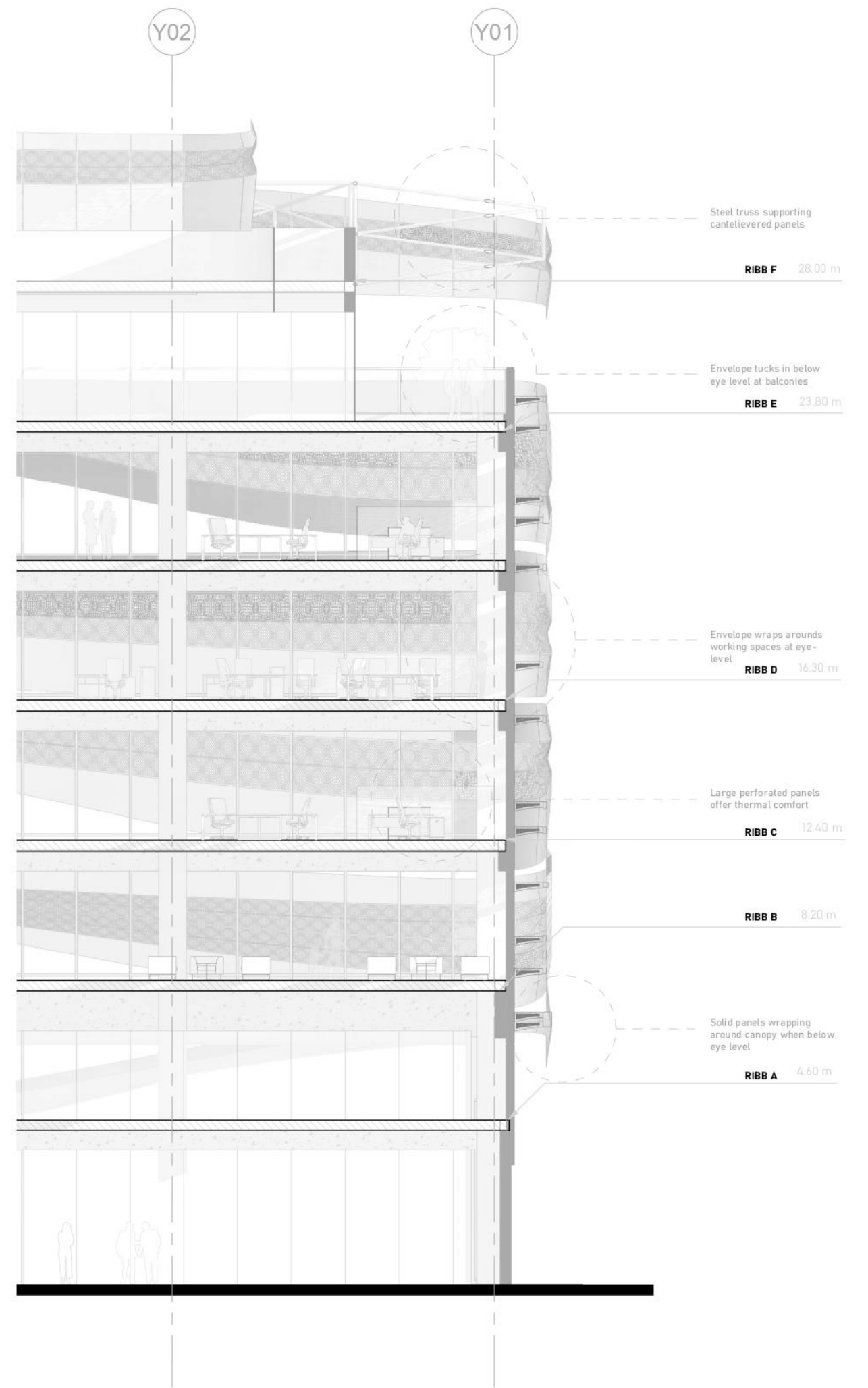
RIBB C 12.20 m

105 panels, 2 perforated sheets per panel, held by arm plates sys. First to Second Floor

RIBB B 8.00 m

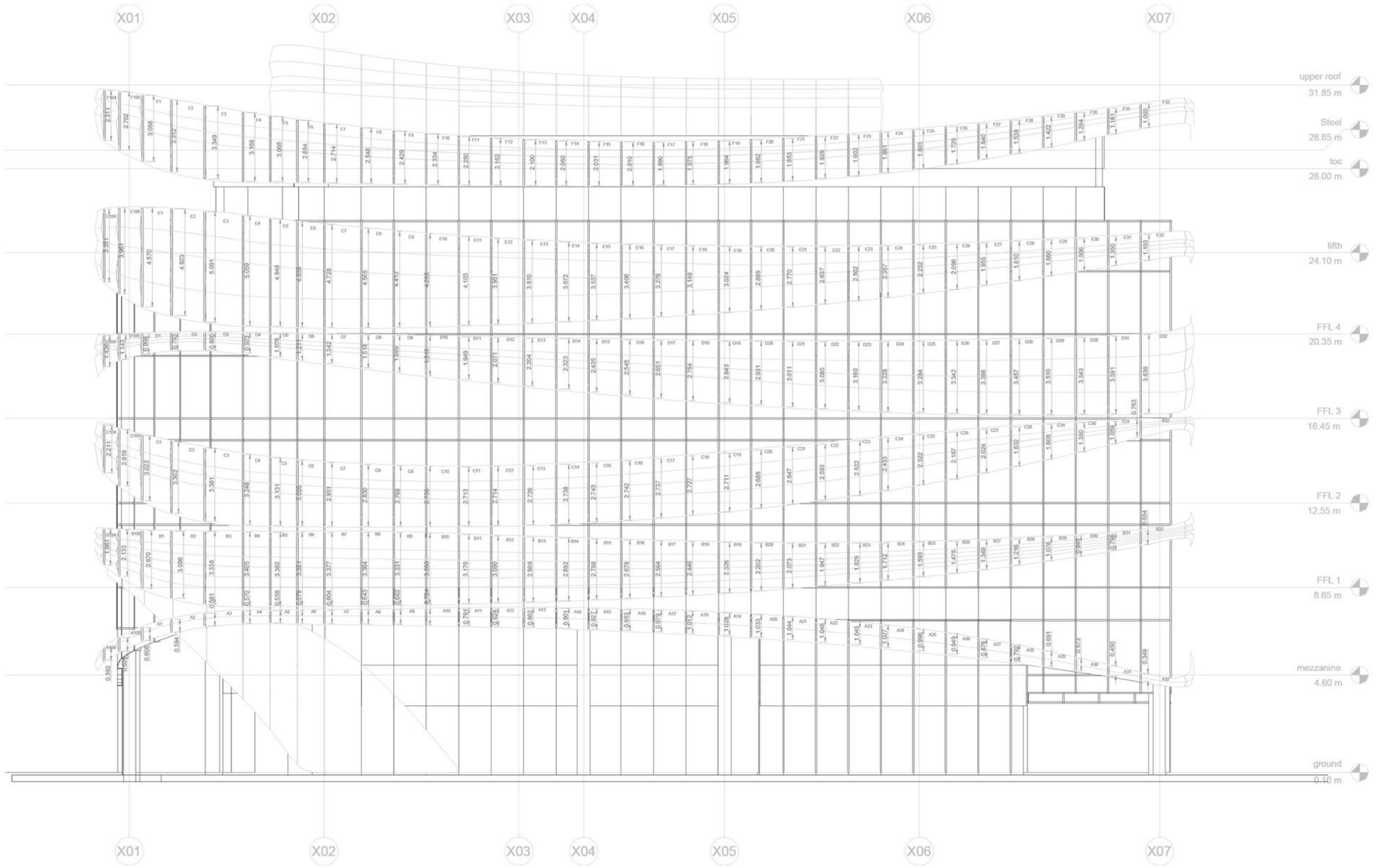
105 panels, 2 solid sheets per panel, held by arm plates sys. Ground to First Floor

RIBB A 3.85 m









TDHQ Offices

Cladding organization elevation



