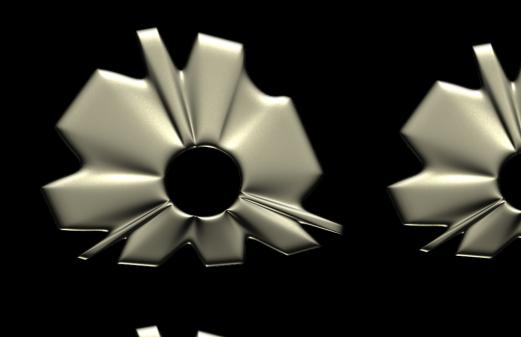
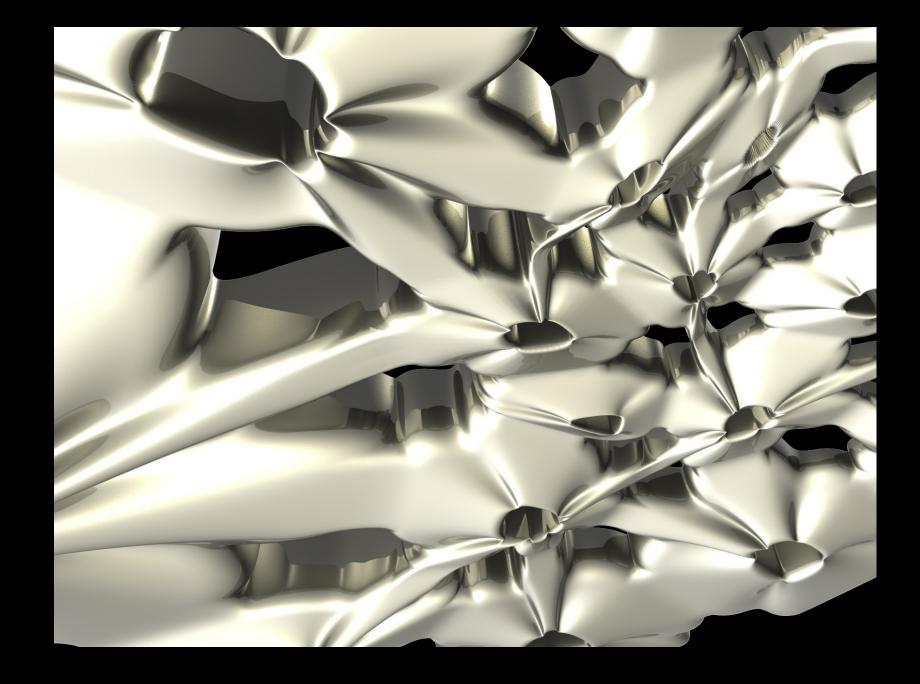
Computational Design Multi Scalar Adaptive Systems

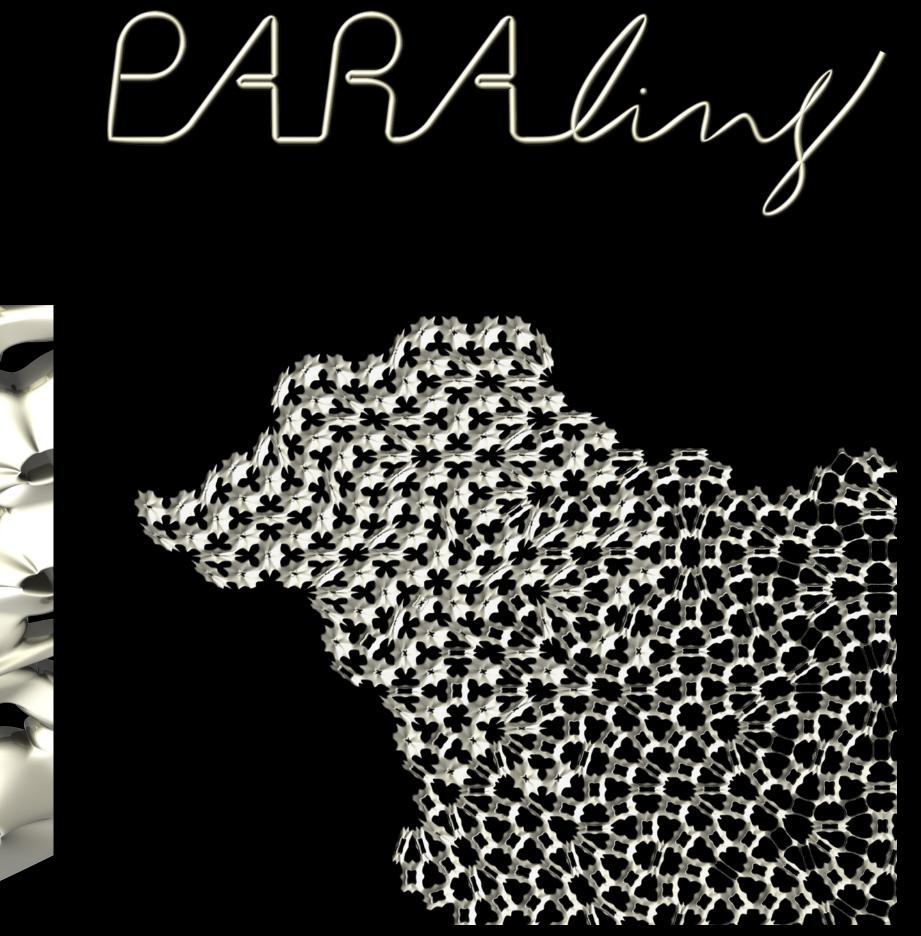




PARAling

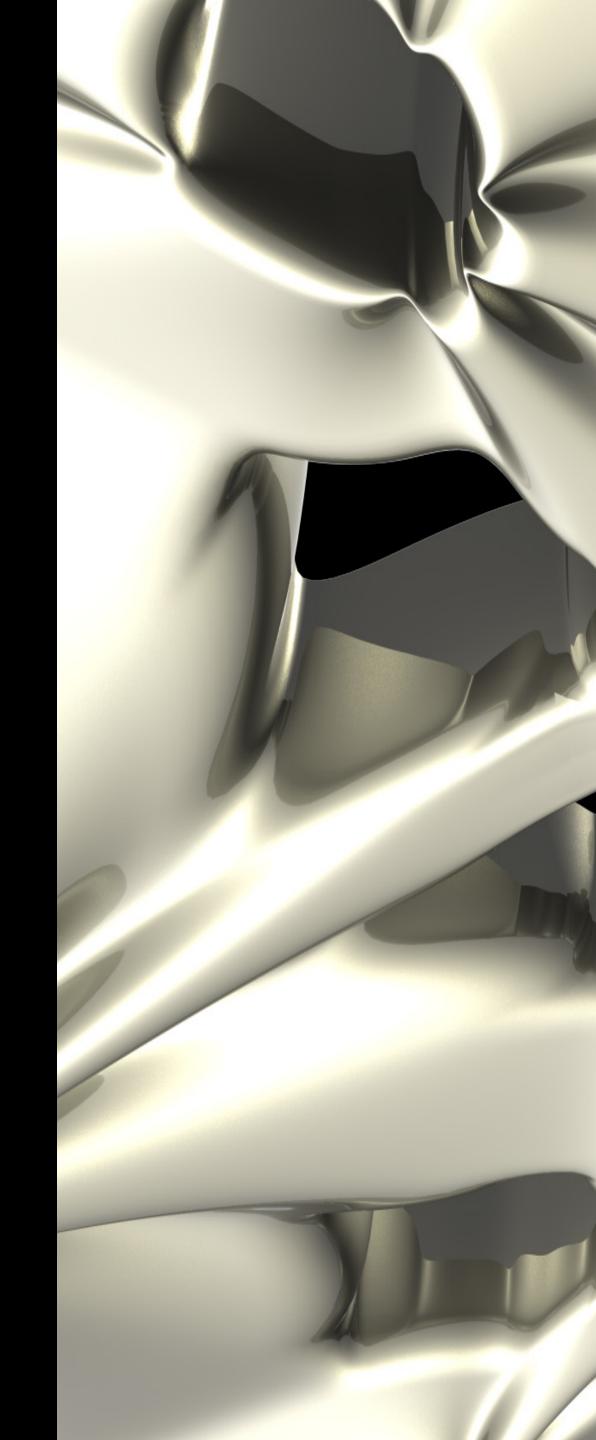
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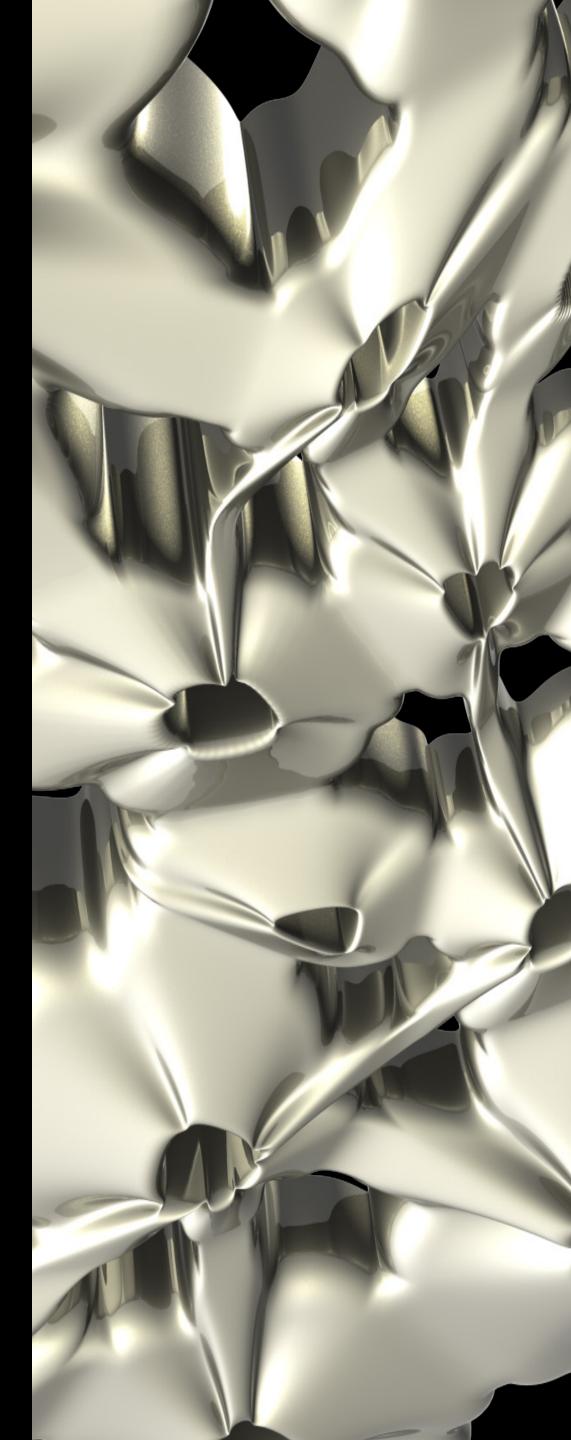
Concept

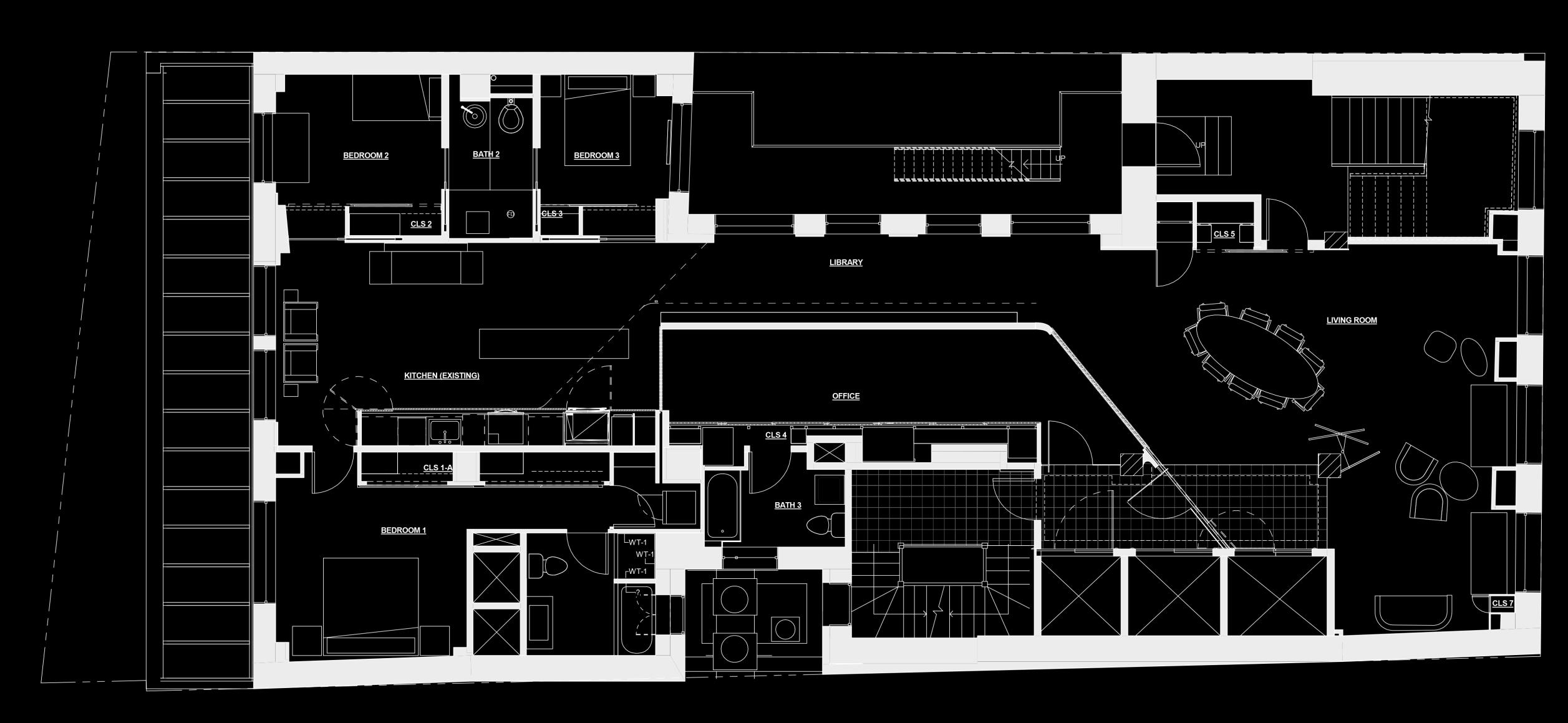
The combined use of artificial intelligence and parametric design tools equips the PARAling ceiling system with an unprecedented capacity for adaptation to existing conditions, functional requirements and esthetic desires through smart transformation.



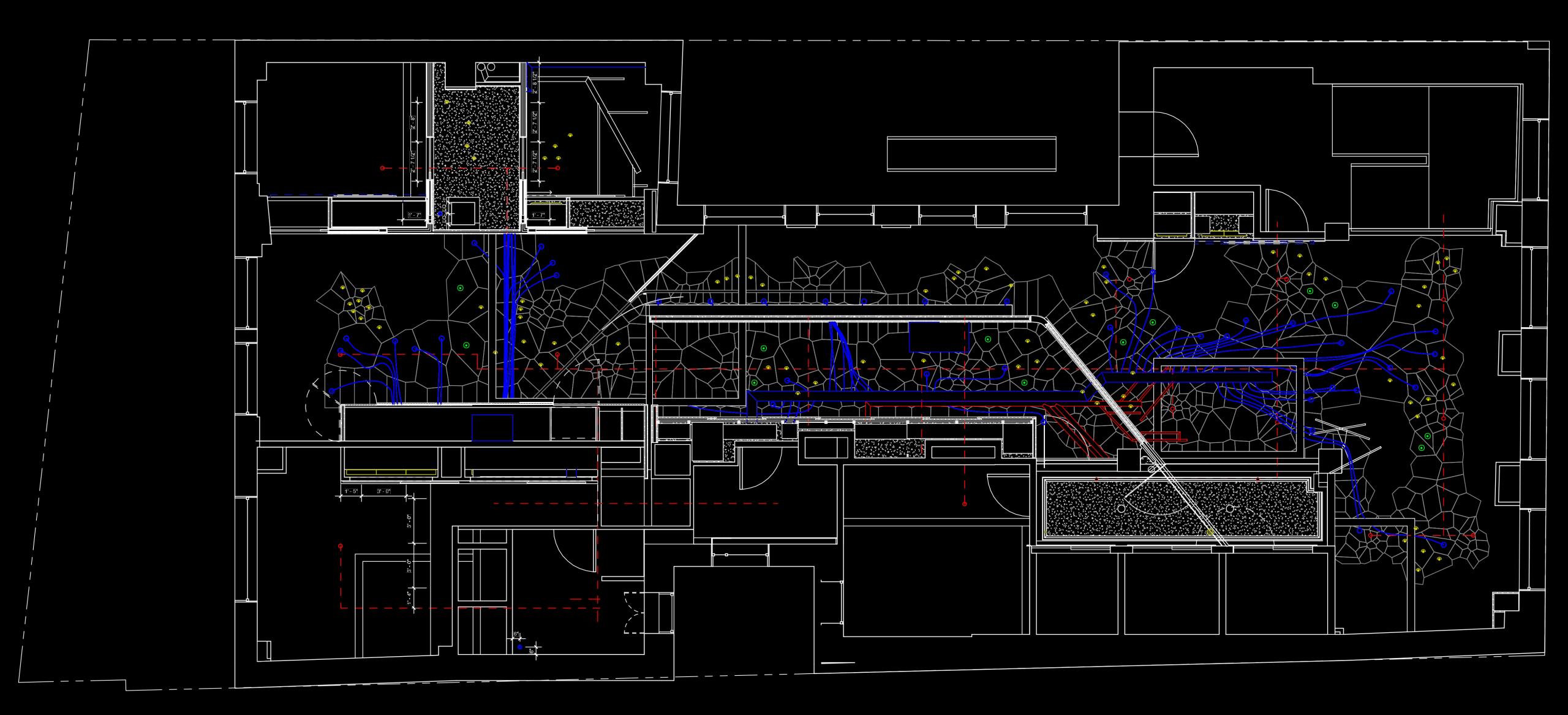
Design Considerations

- Generation of situational edges: orthogonal boundaries to make clean connections to walls and partitions; figural boundaries where desirable; ceiling to wall transformations
 - Change of cell scale: response to varied space size
 - Change in density and geometry: response to different infrastructural requirements located in and above the ceiling
 - Wide range of esthetic variation: flat/volumetric, open/closed, floral/ rectilinear.
 - Different rates of change: slow or fast transitions between regions of cell types
- Rate of cell geometry iteration: minimum 2 cell types necessary to generate total ceiling; maximum all cells are unique



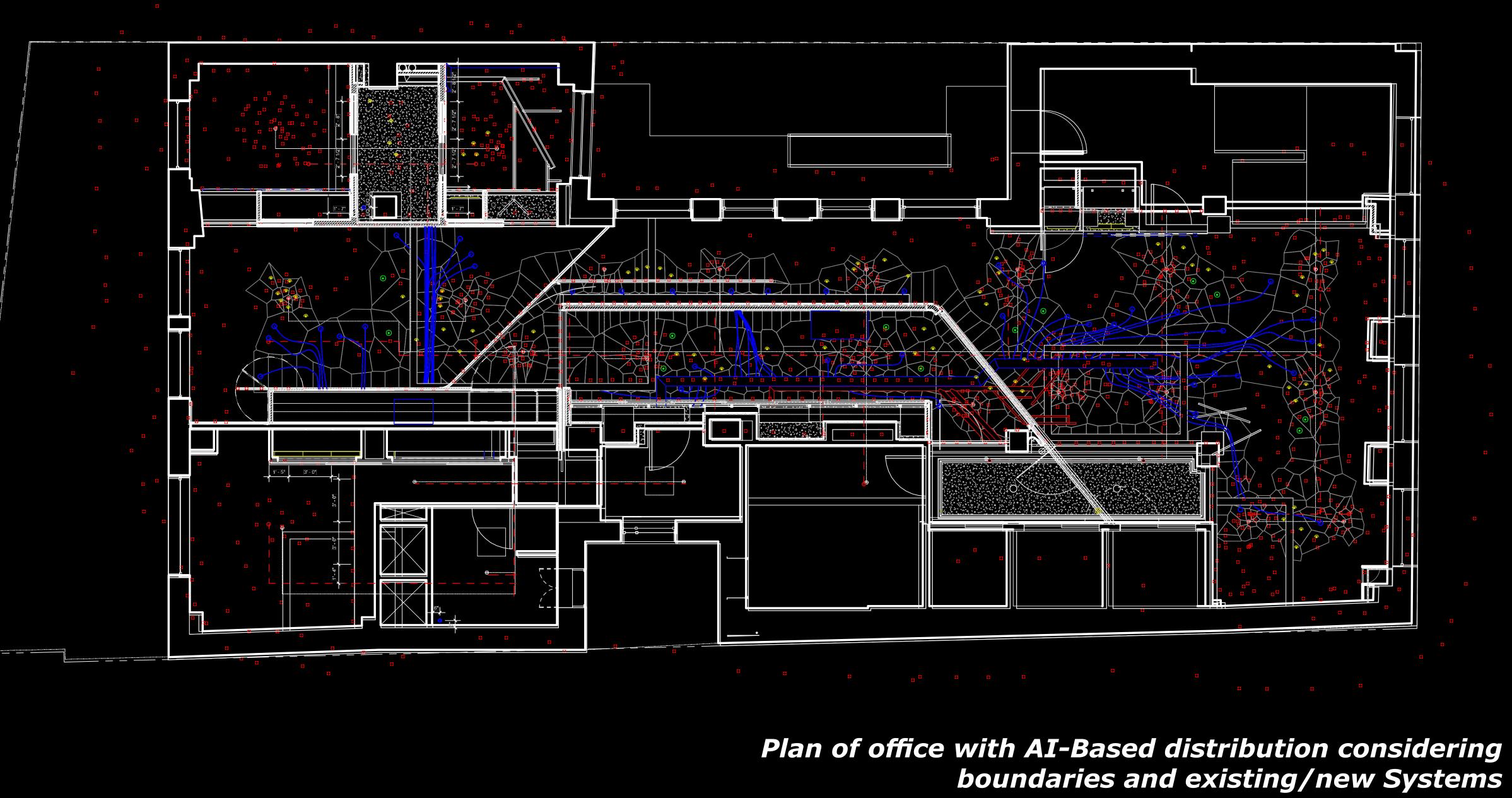




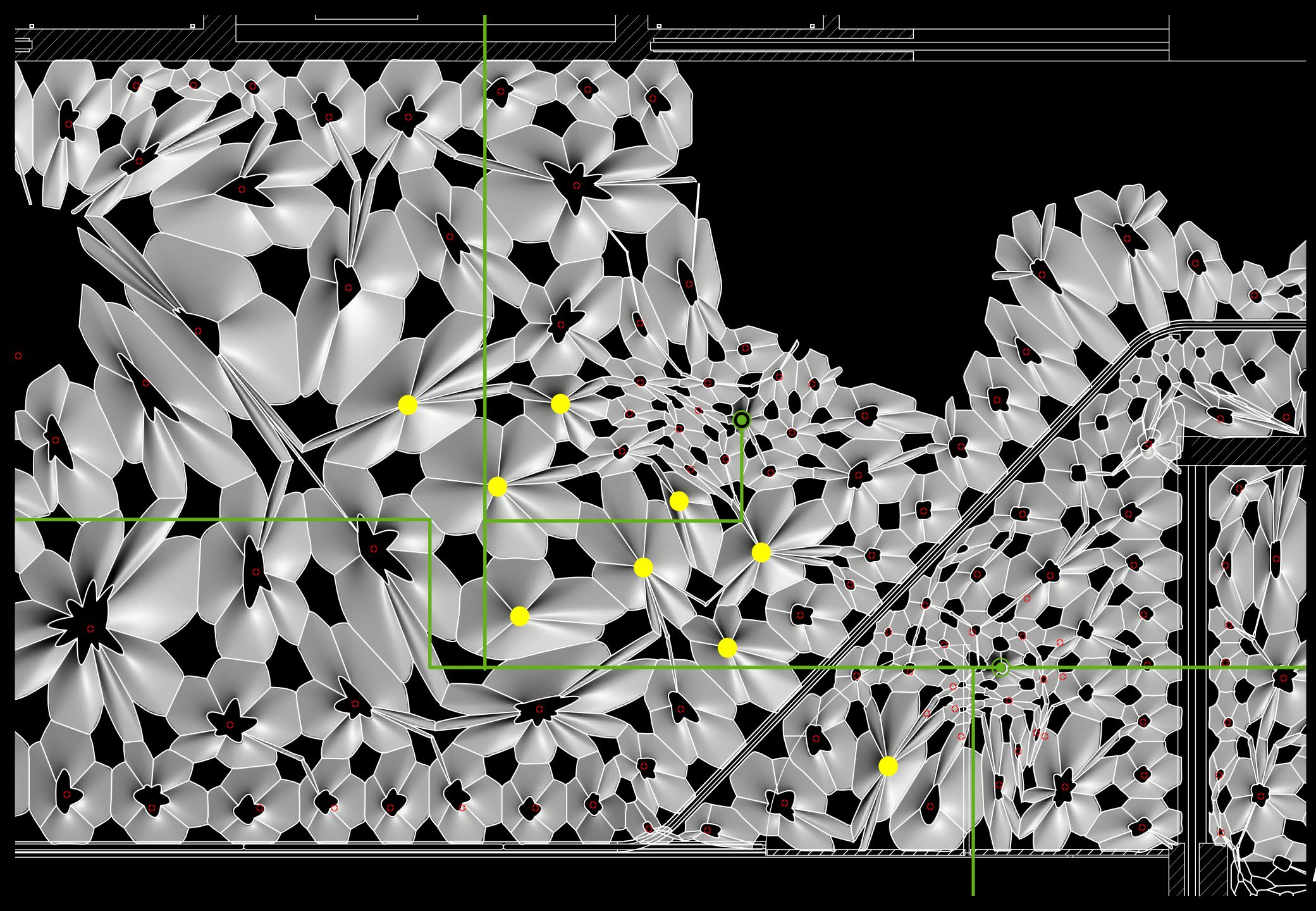


RCP Showing Ceiling Systems with Mech , Sprinkler , and Lighting Systems



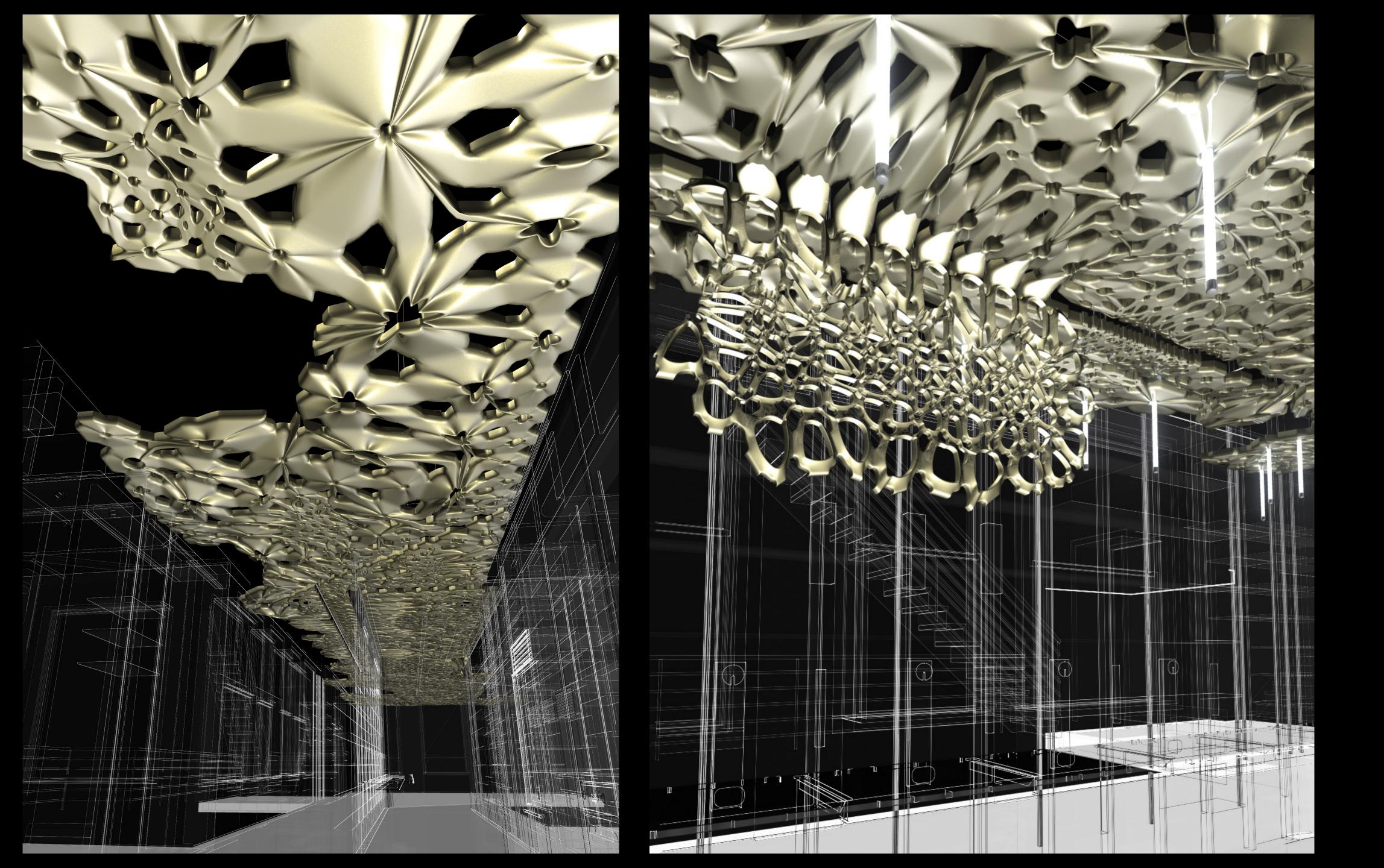






Plan detail showing resulting panels. Each panel is unique



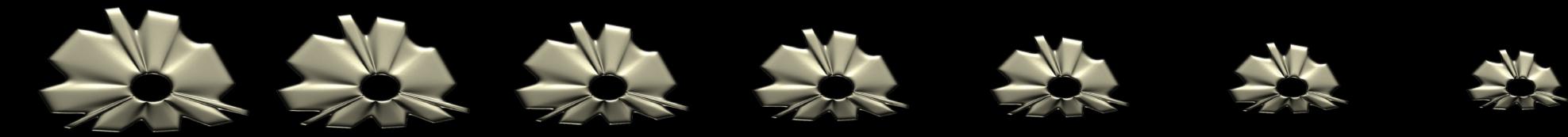


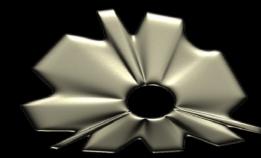


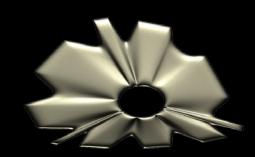




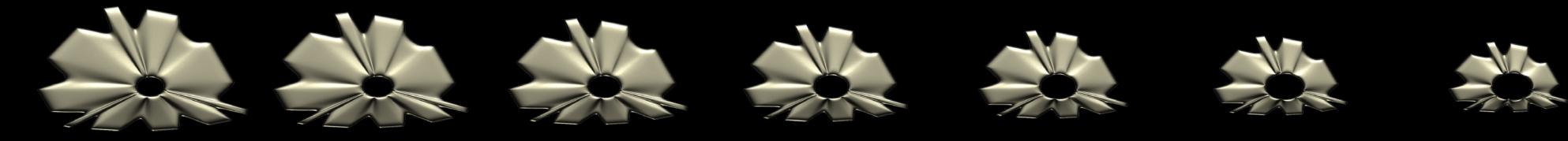


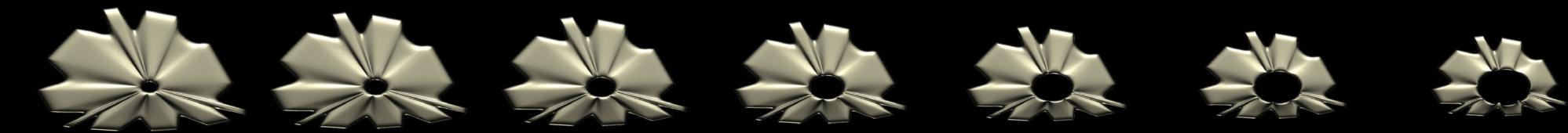


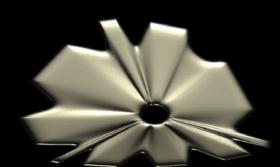


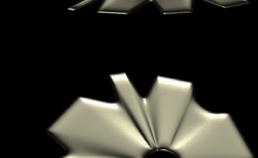






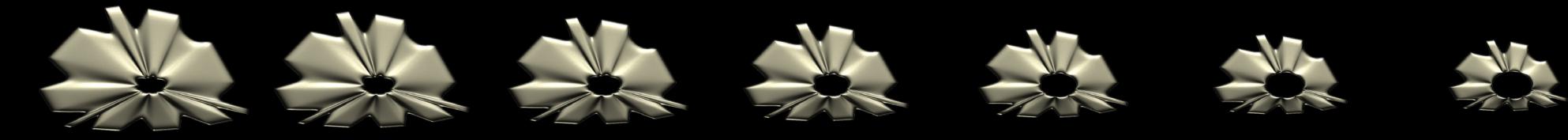


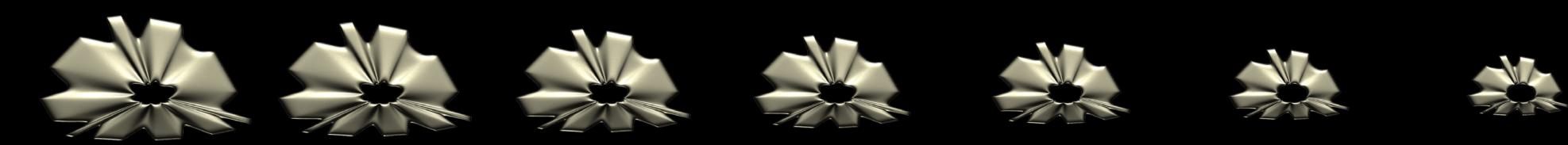


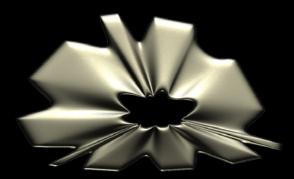


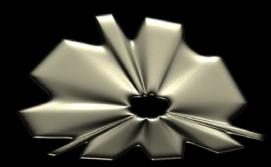


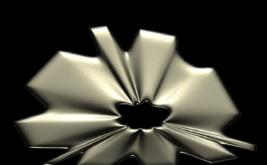


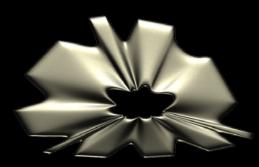


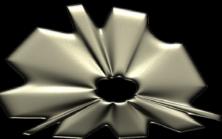


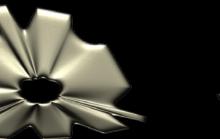




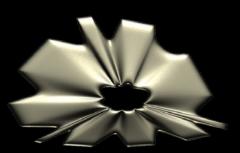


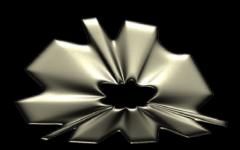




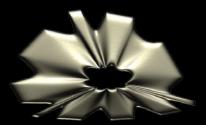


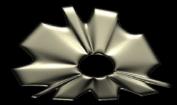




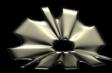




















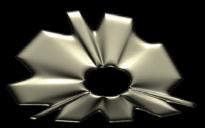








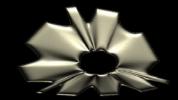


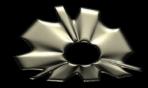


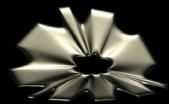


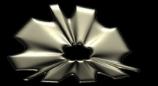


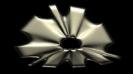






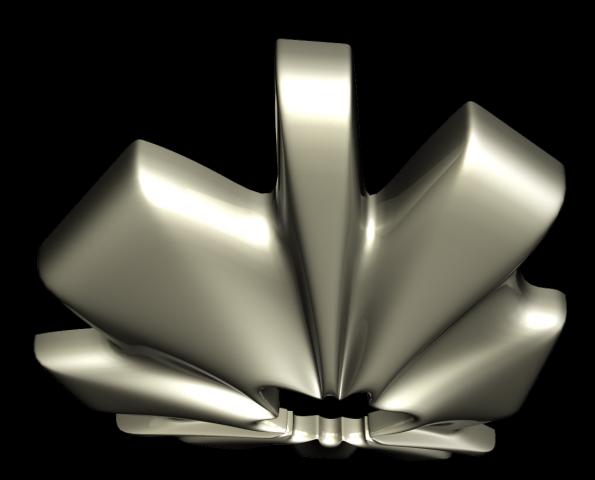


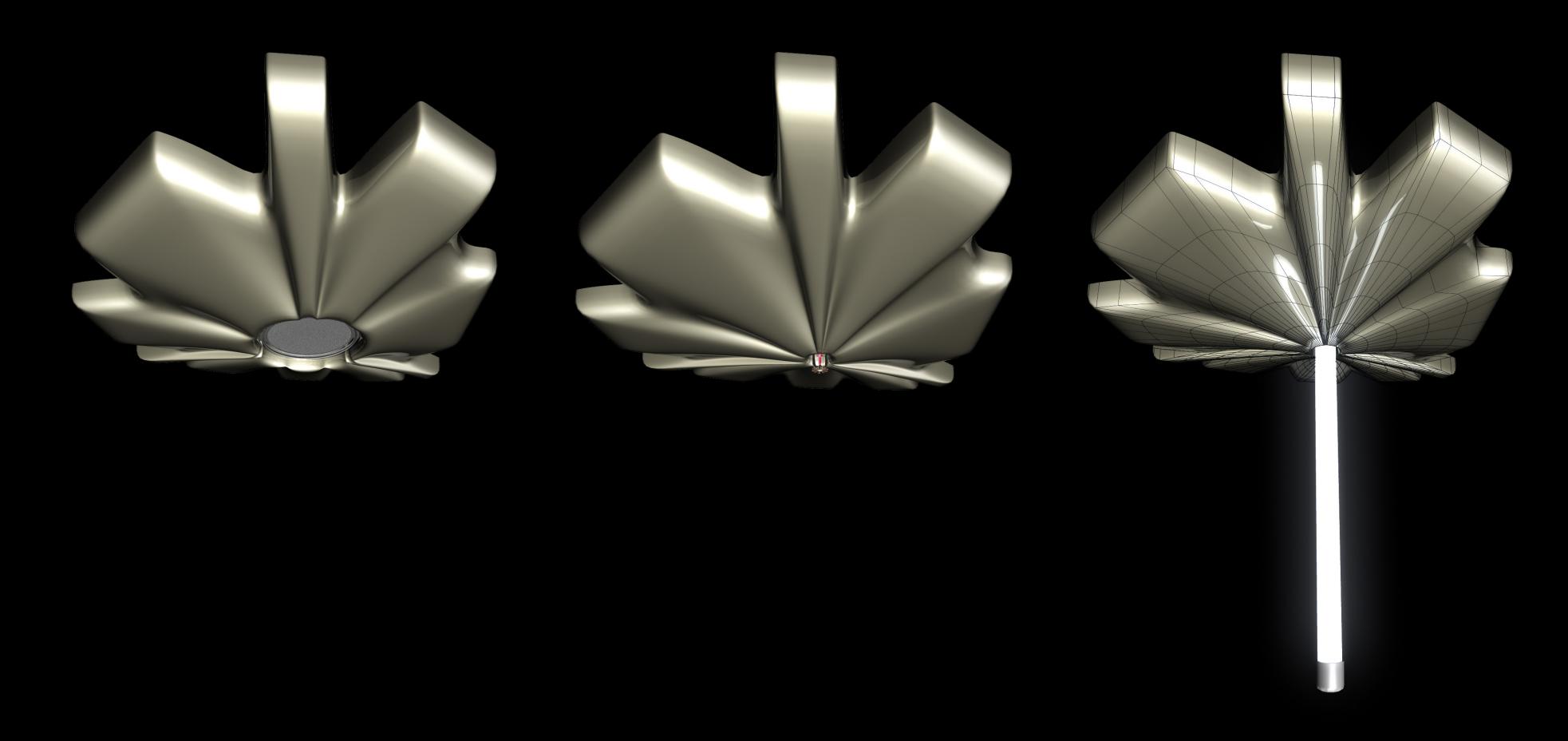




Partial catalog of panels. All panels in system are unique.

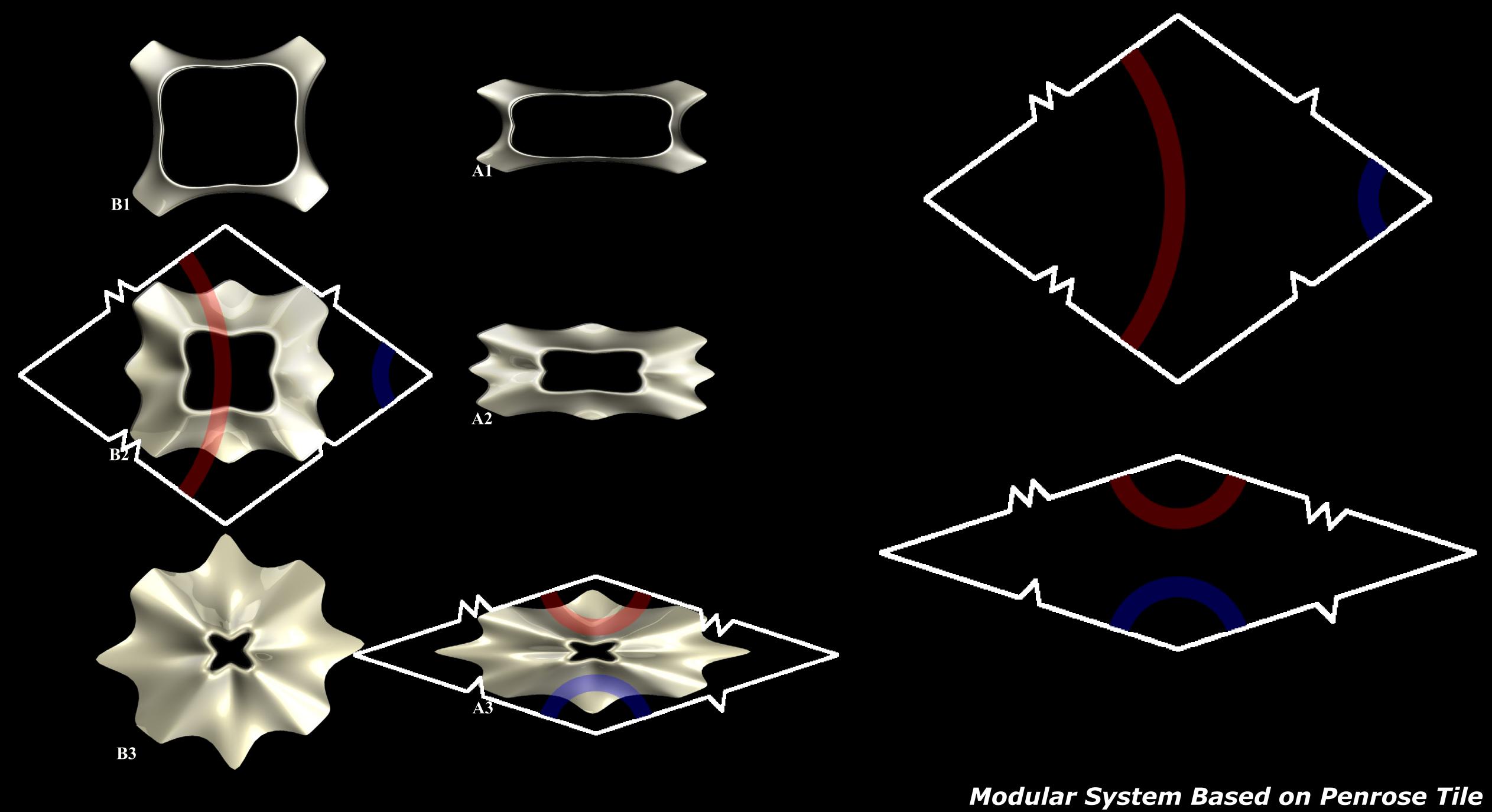


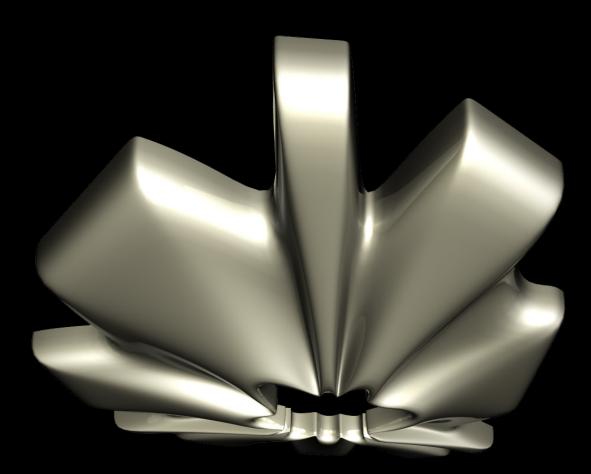


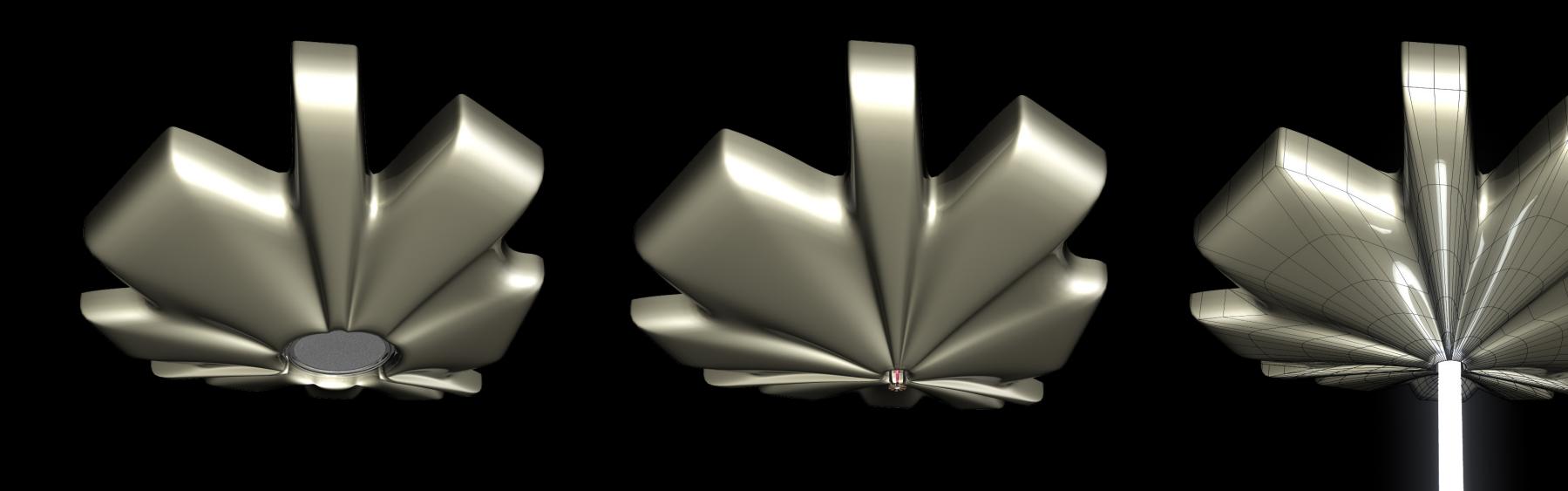


4 Base Cell types - Standard, Speaker, Sprinkler, Light/HVAC

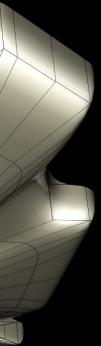


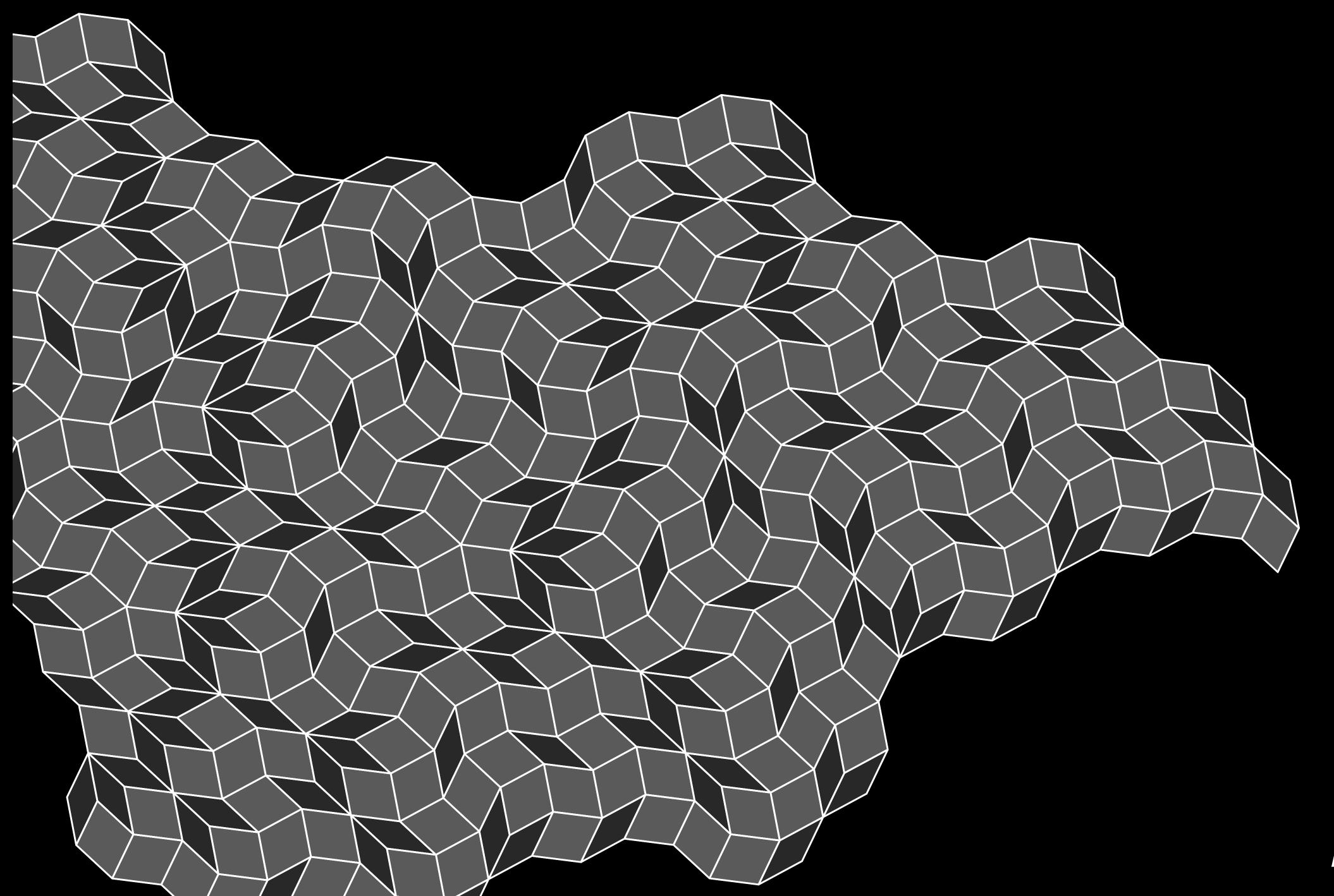






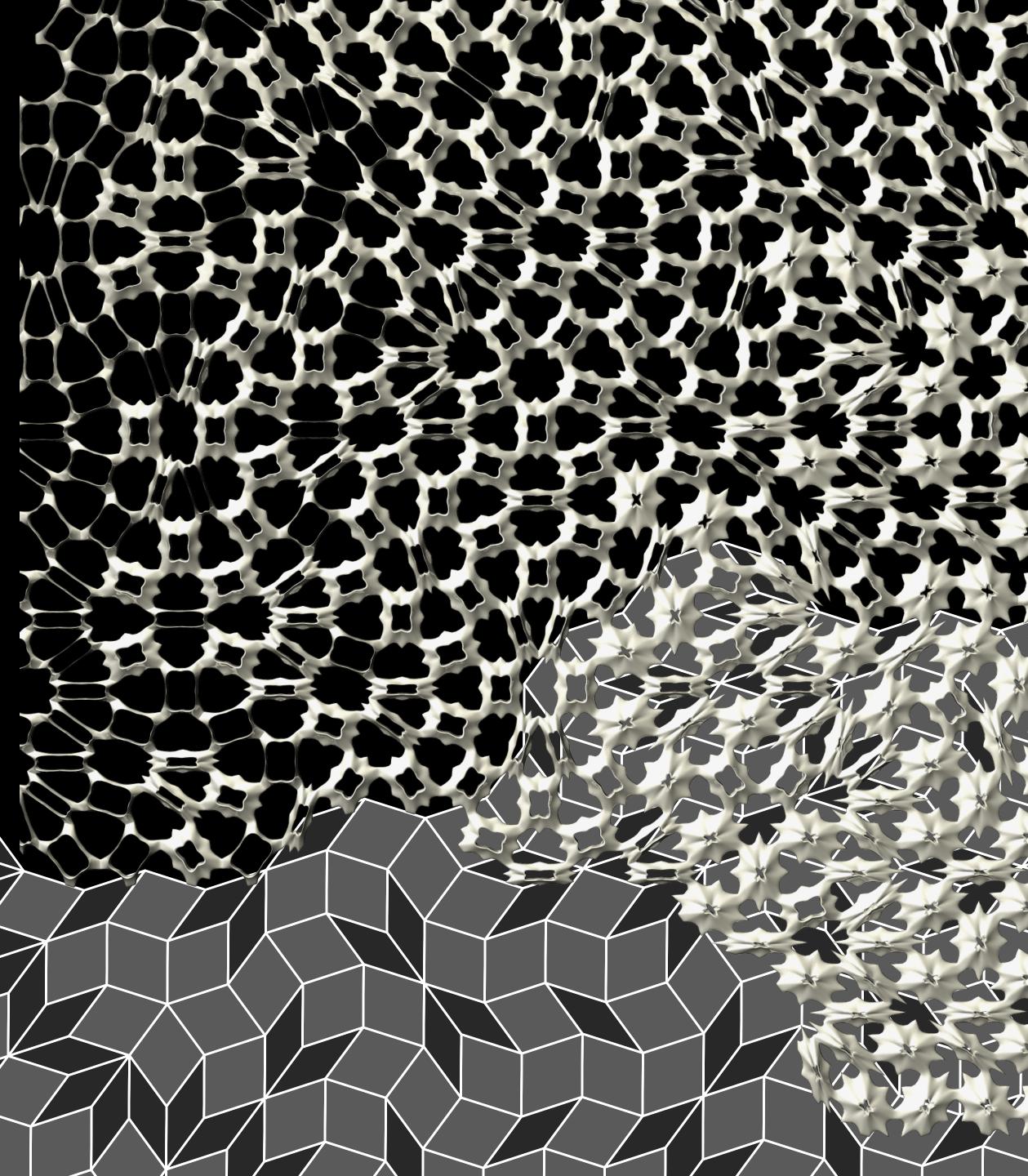




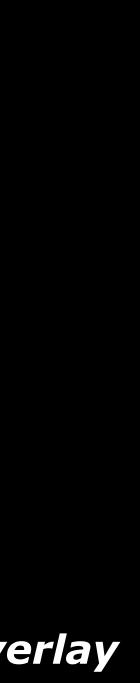


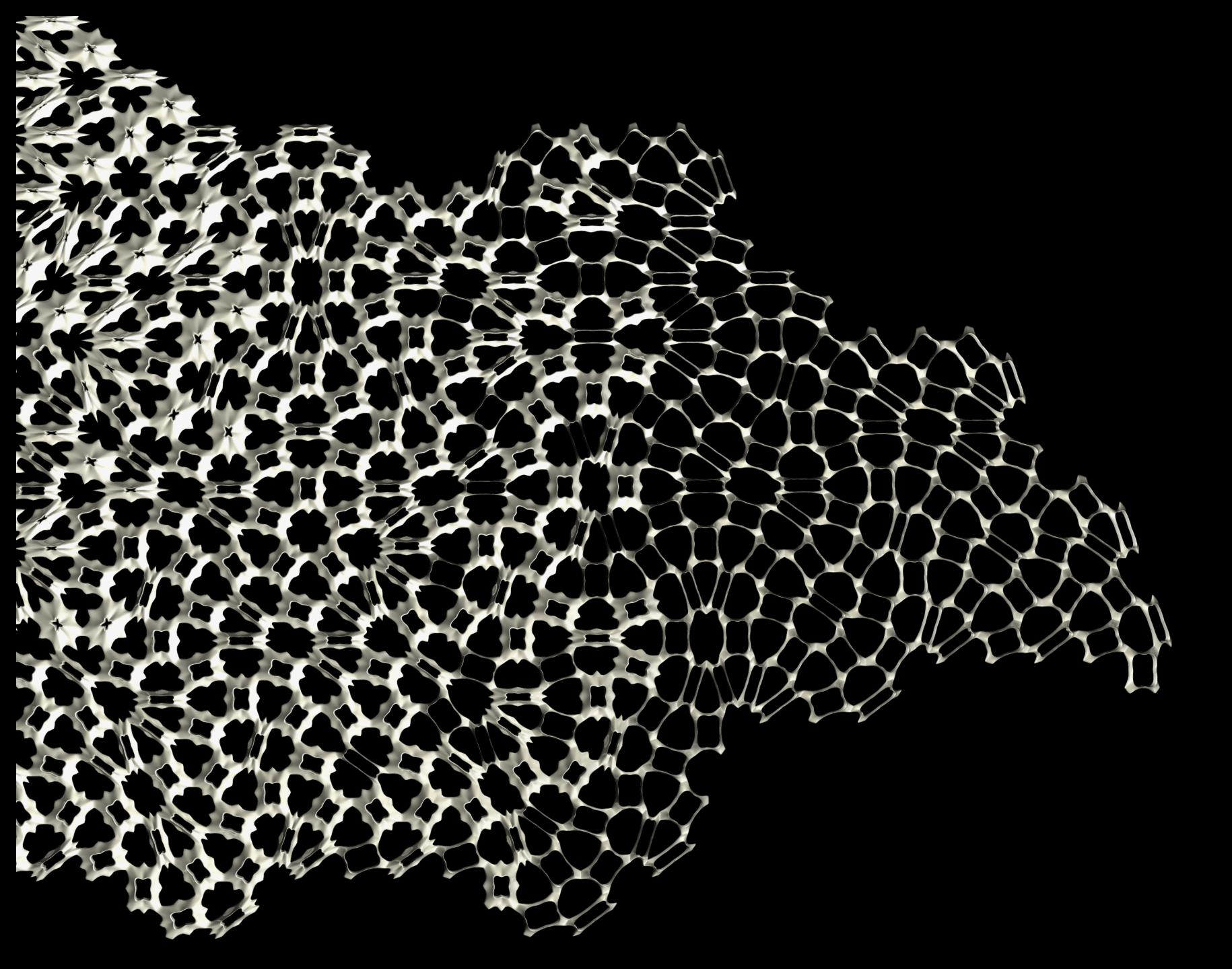
Basic Penrose Tile

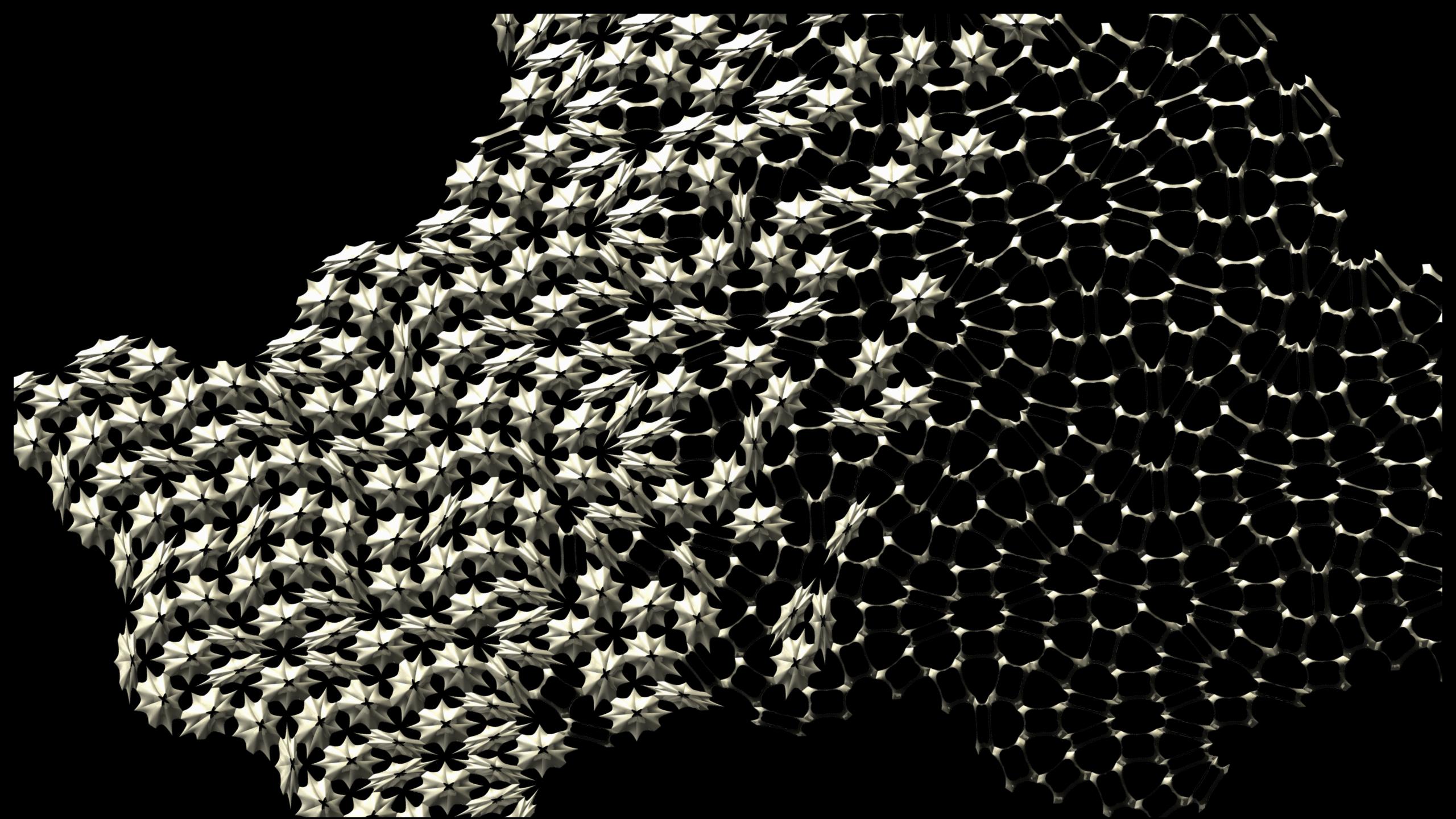


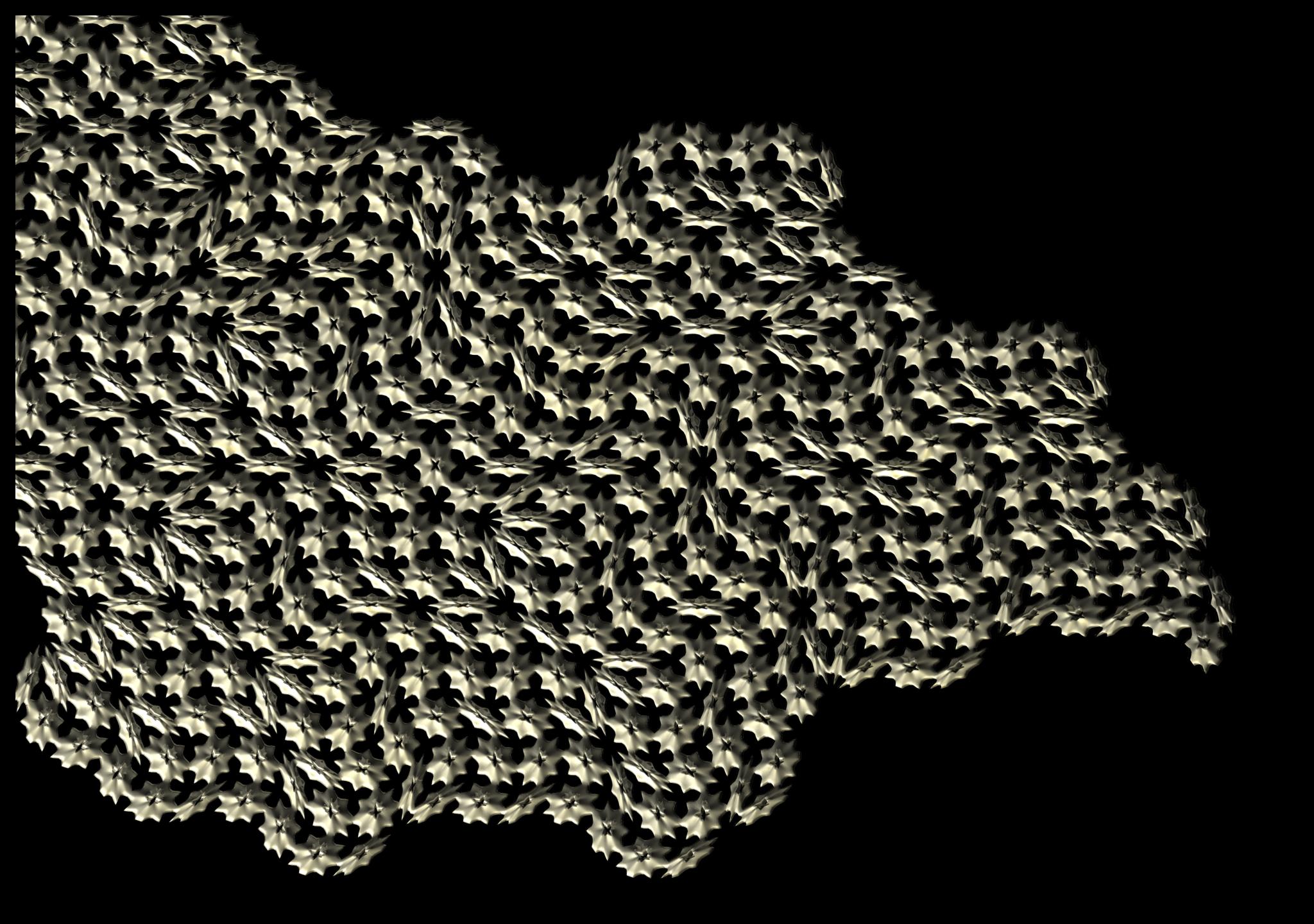


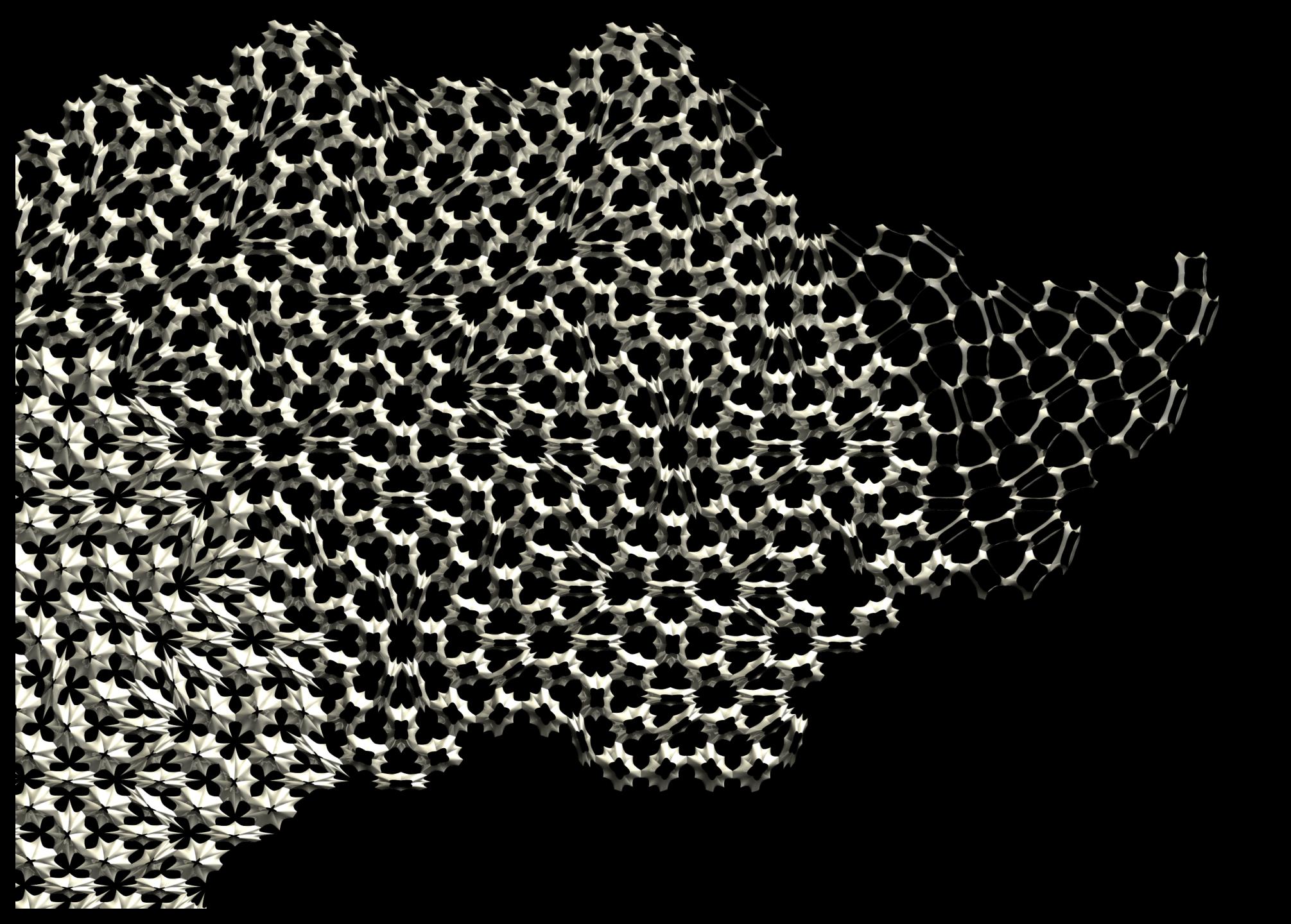




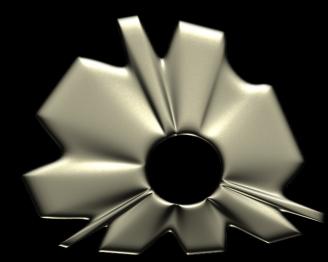


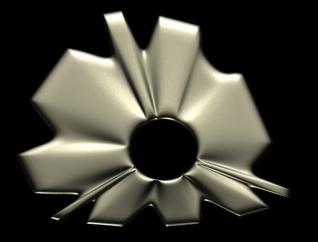


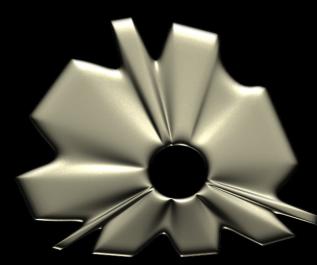


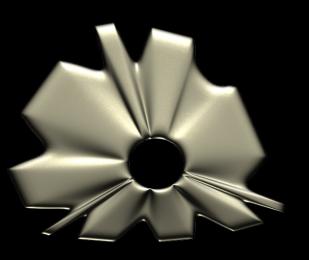


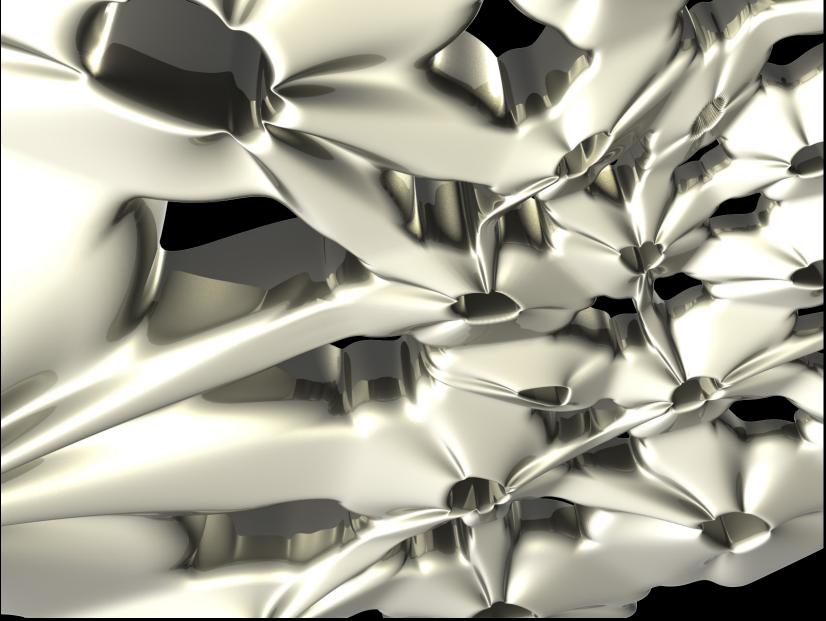












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