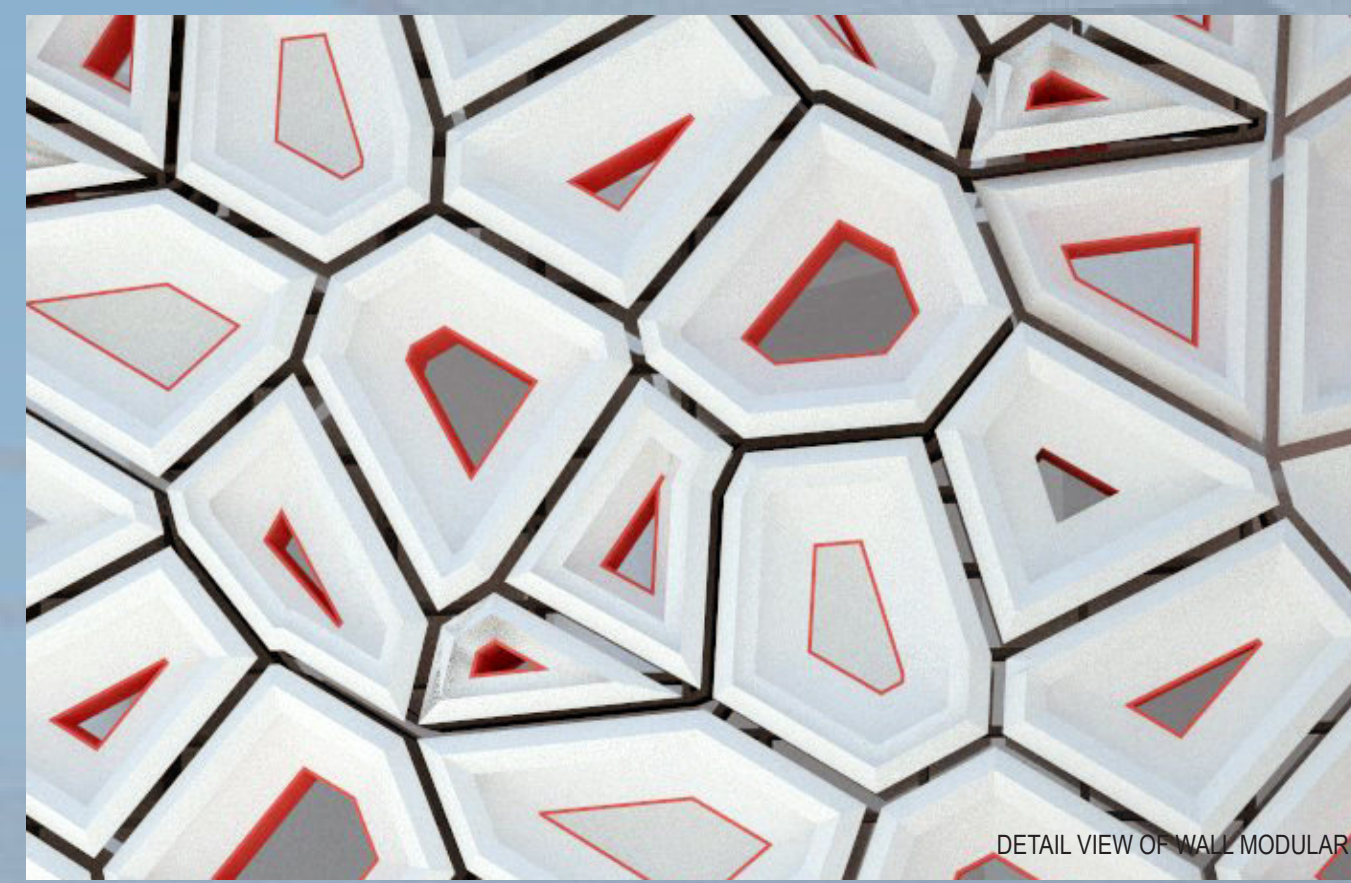
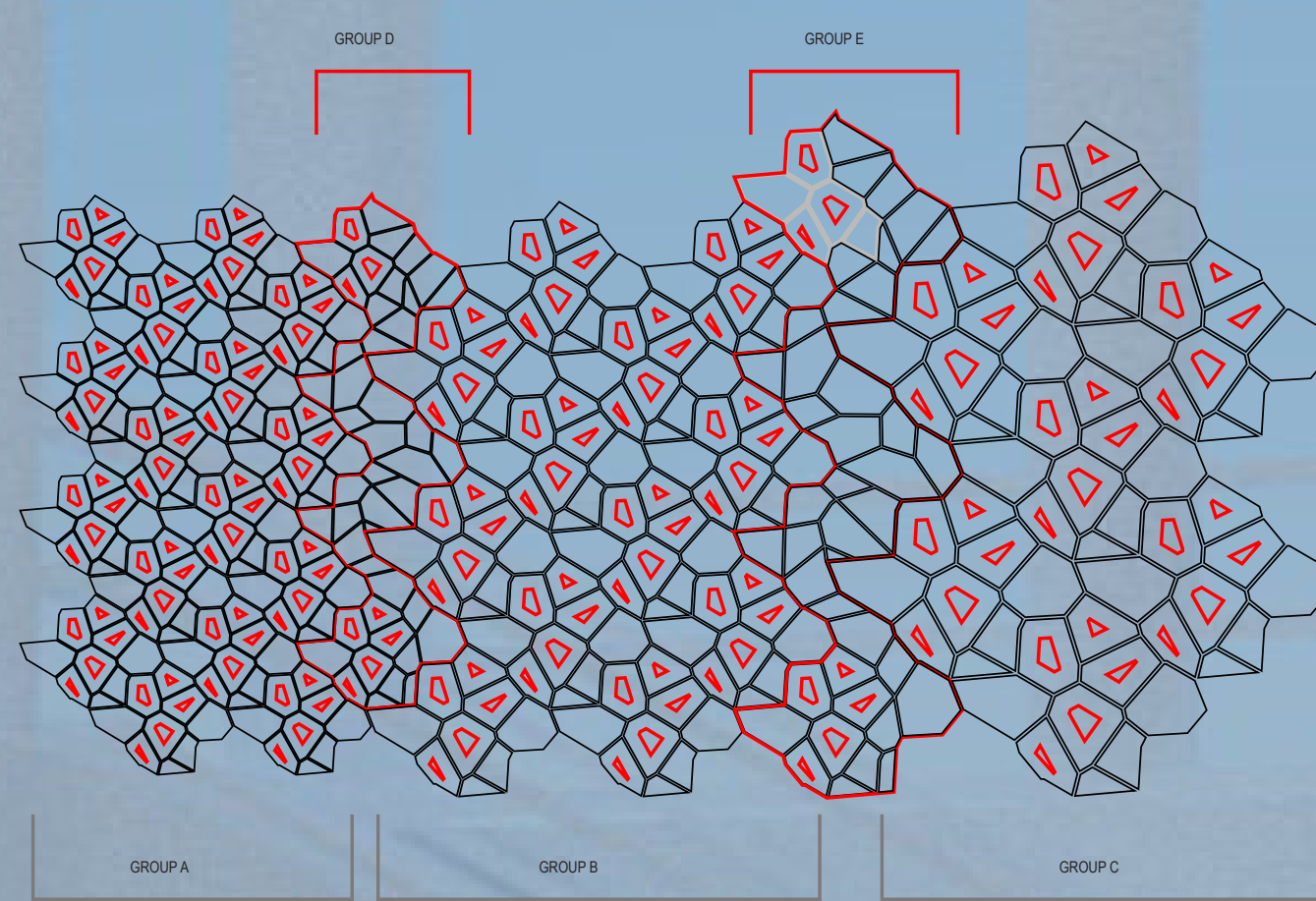
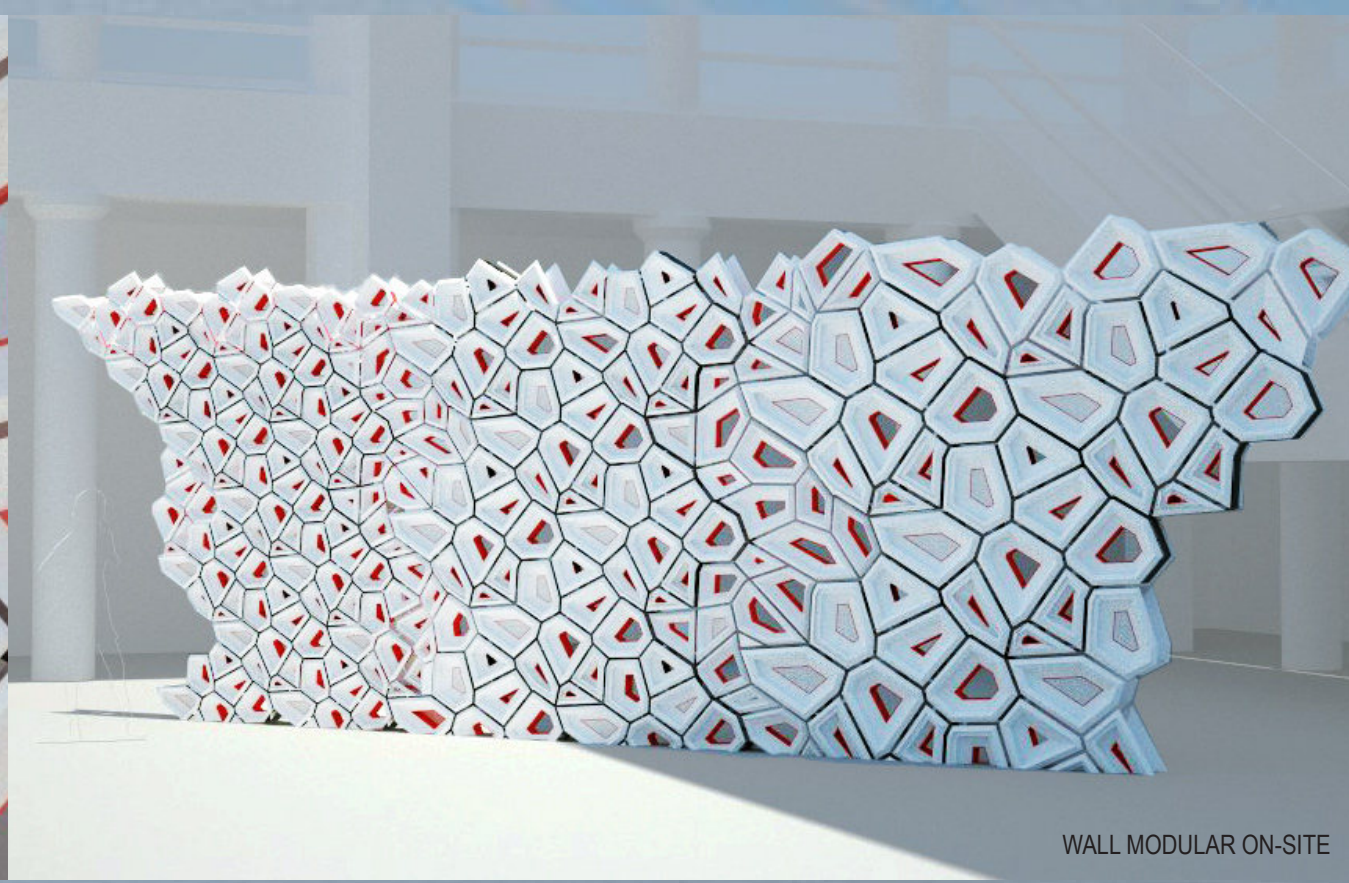


CROSS-FABRICATED SCALES

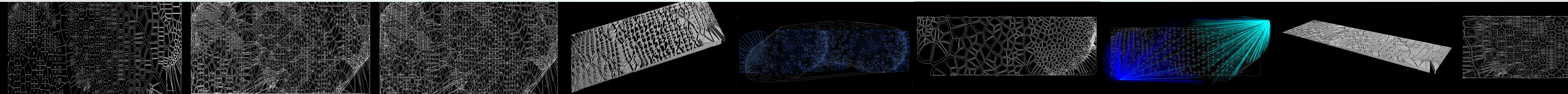
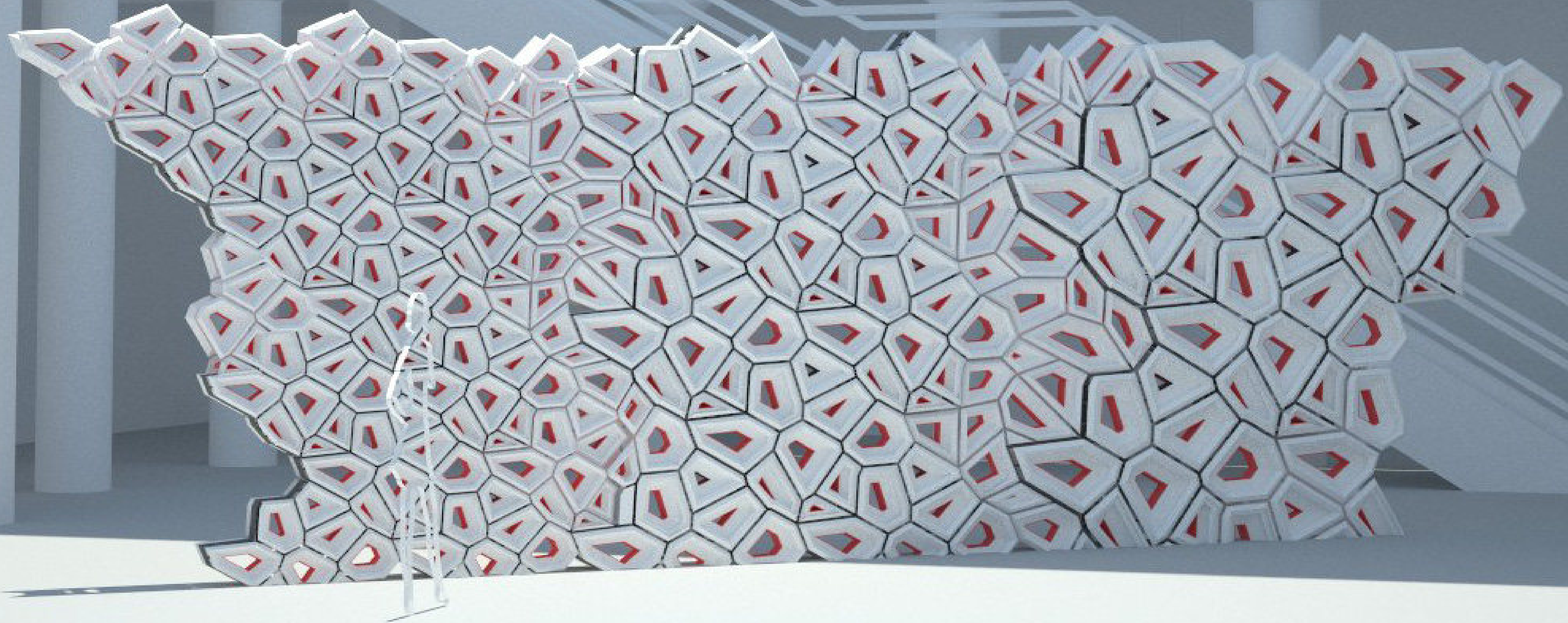
SPONSORED BY: LG HAUSYS - HI-MACS
STUDIO: WE-DESIGNS.ORG, LLC



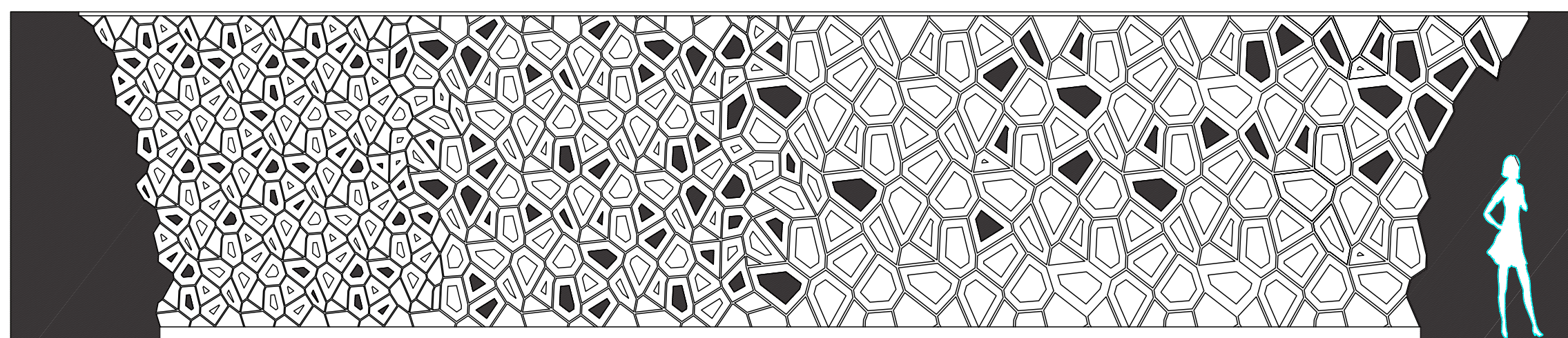
DETAIL VIEW OF WALL MODULAR



WALL MODULAR ON-SITE

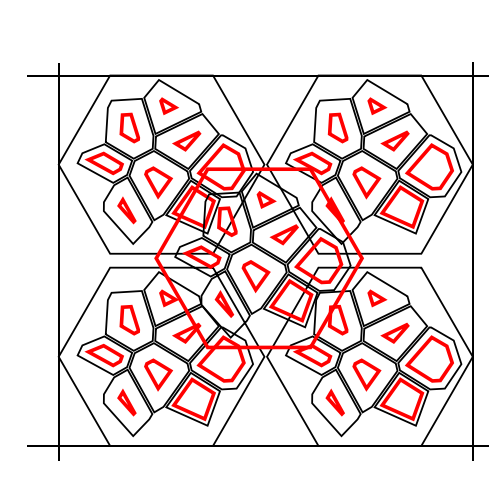


DIGITAL PROCESS GRASSHOPPER GENERATED PATTERN STUDIES

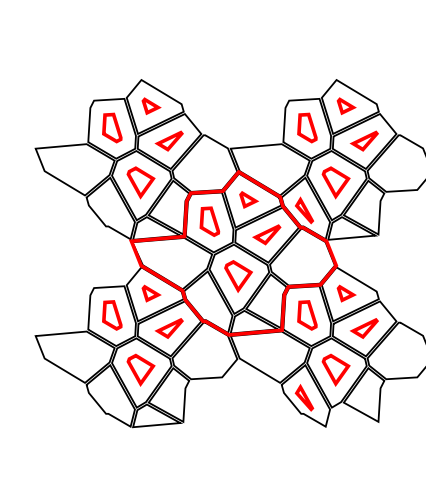


25 ft = 7.62 m

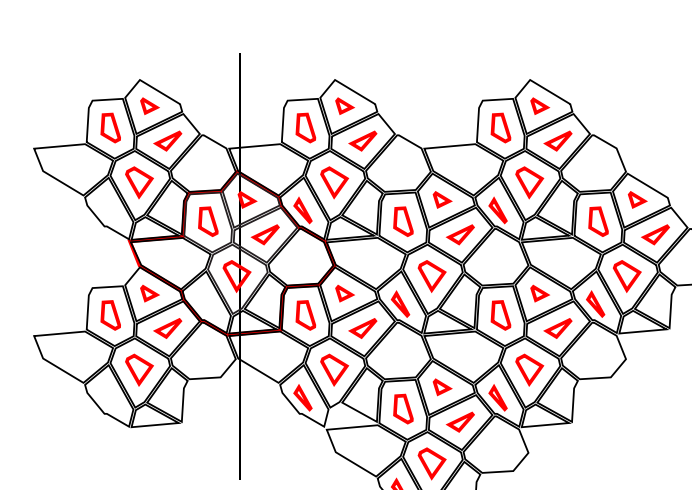
ABOVE: ELEVATION OF WALL PARTITION



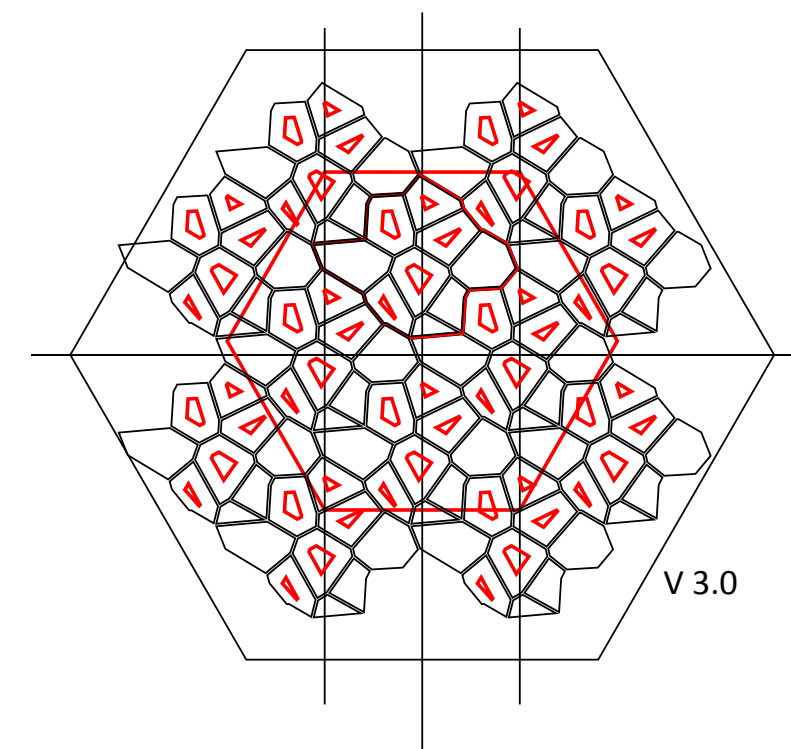
V 1.0



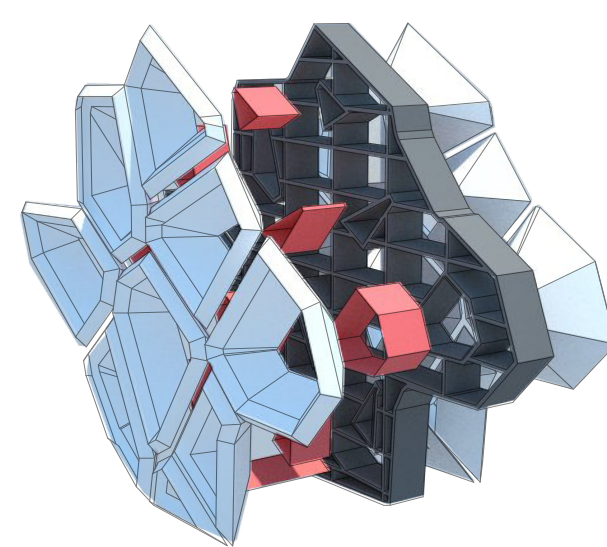
V 2.0



V 2.1



V 3.0



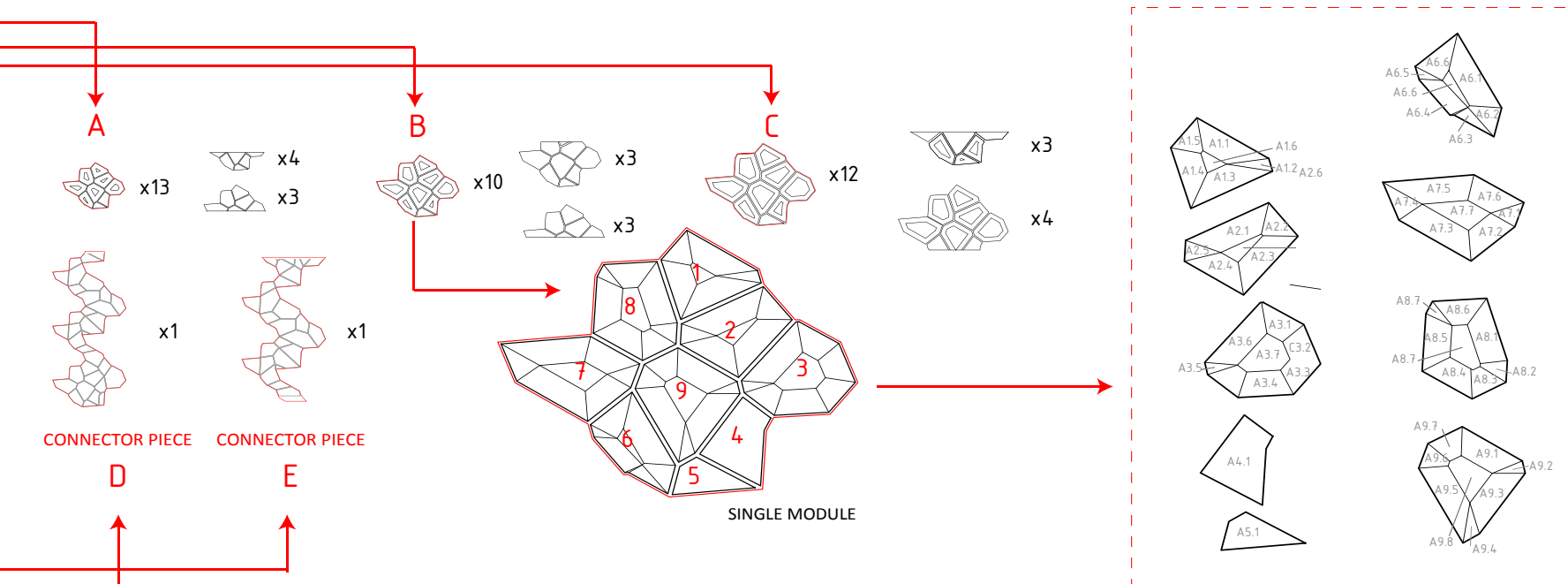
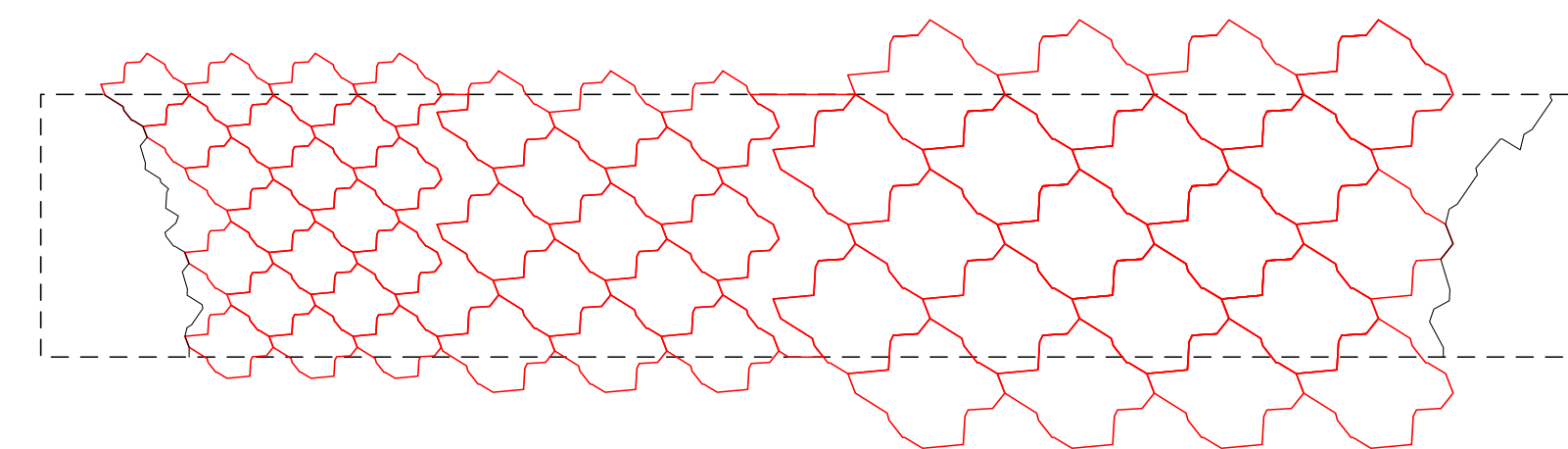
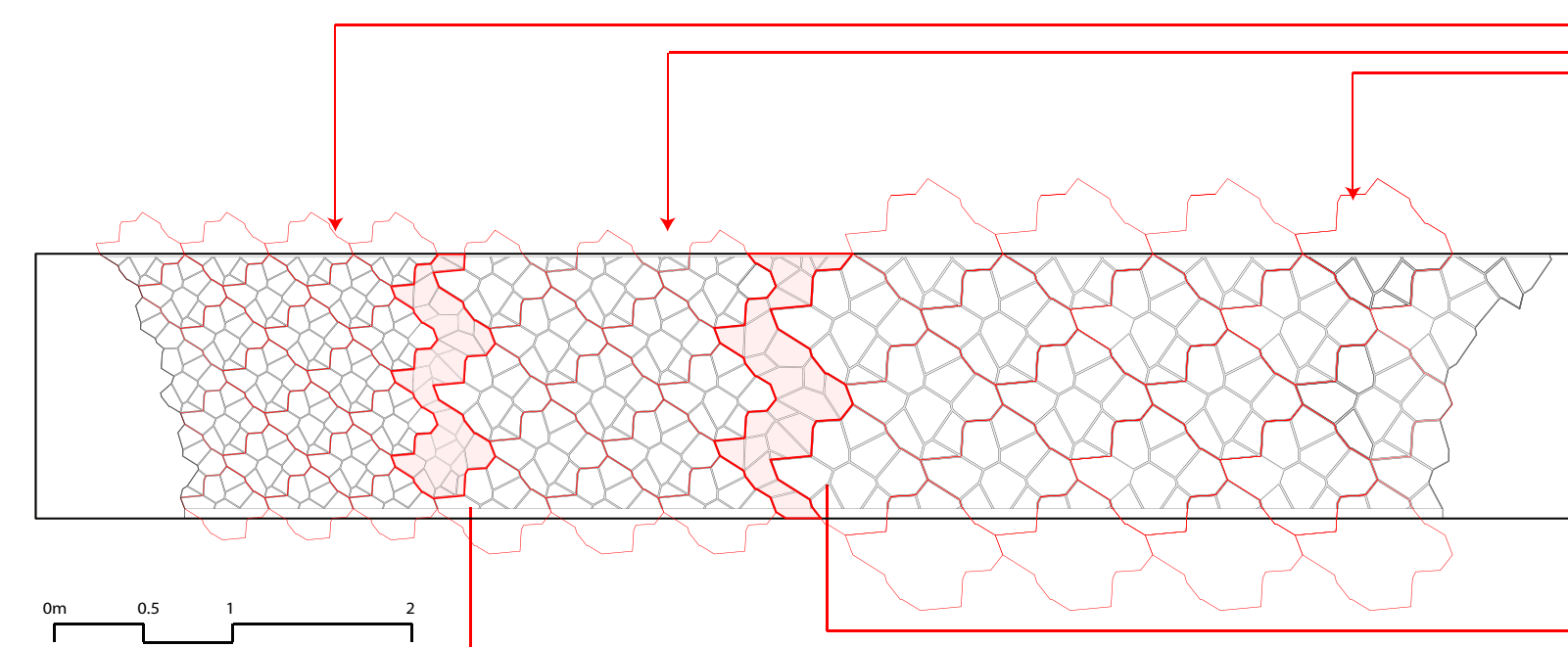
ABOVE: EXPLODED MODULE CONSTRUCTION STUDY



ABOVE: SOLID SURFACE MILLED PROTOTYPE



ANALOG PROTOTYPES: CNC MILLED SOLID SURFACE



CROSS-FABRICATED SCALES IS AN INVESTIGATIVE PROTOTYPE OF EXPERIMENTAL CROSS-FABRICATIONS BETWEEN GEOMETRY AND MATERIALS RESEARCH, SERVING AS A CROSSOVER BETWEEN ARCHITECTURE AND ART—WITH A HIGH CONCENTRATION ON THE DEVELOPMENTAL NATURE OF EXPERIMENTATION AND DETAILS, RELATING TO THE SCALABILITY OF A SINGULAR, YET REPEATED, PATTERNING UNIT.

THE FORM-FINDING INVESTIGATION AND EVALUATION INCLUDED ACTIVE LAB TESTING OF PHYSICAL MODELS, IN CONJUNCTION WITH COMPUTER SIMULATION AND OPTIMIZATION PROCESSES THROUGH A CNC (3D) MILLED PROTOTYPE OF EACH INDIVIDUAL MODULE, WHICH ATTACHES TO A FRAMING SYSTEM. IN ADDITION, THE FRAGILITY OF THE FORMS AND DIFFERENTIATED MATERIALS WERE CONCEPTUALLY ASSESSED THROUGH EXPERIMENTATION DURING THE DESIGN DEVELOPMENT RESEARCH PROCESS.

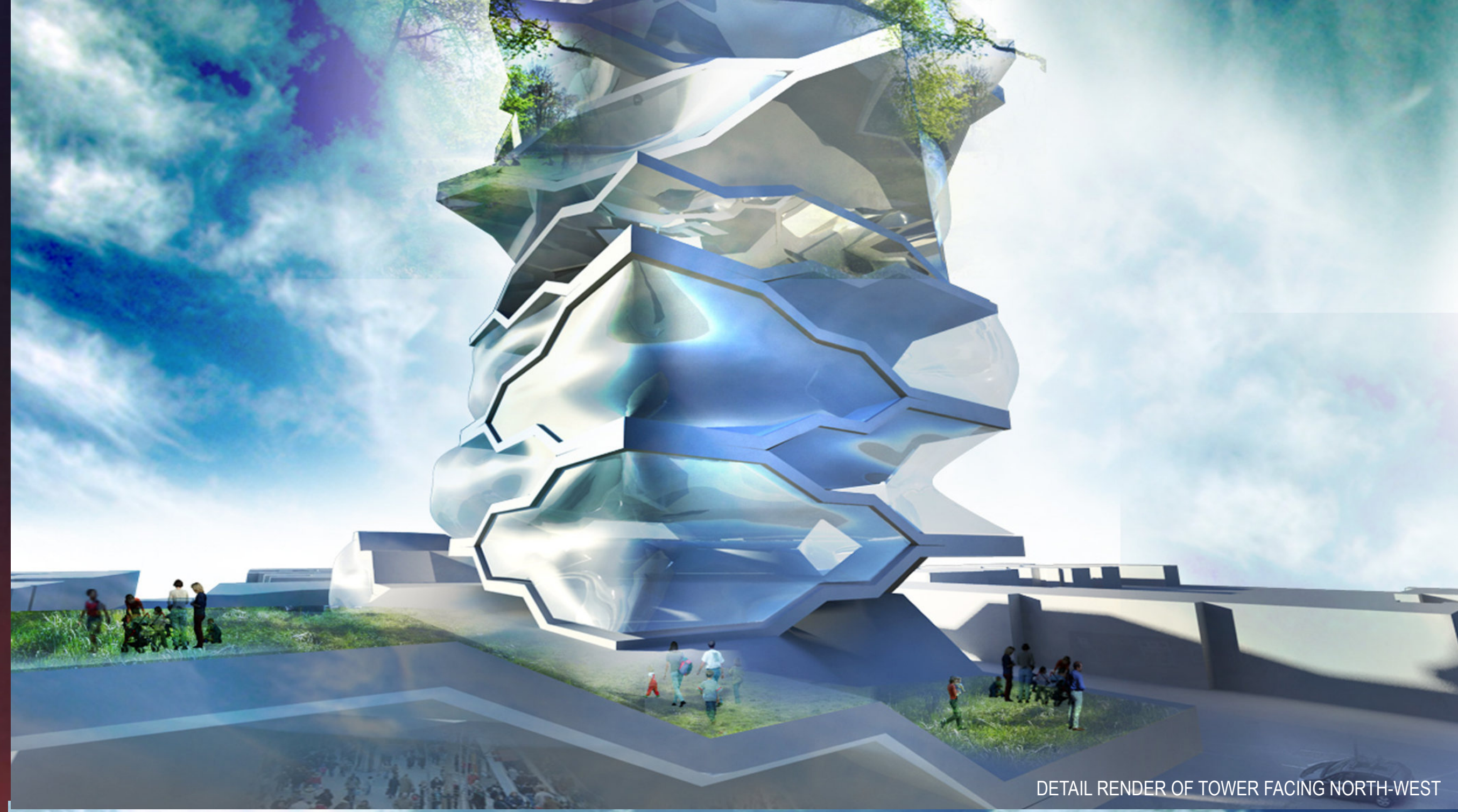
UP - URBAN TOWER TRANSFORMATION

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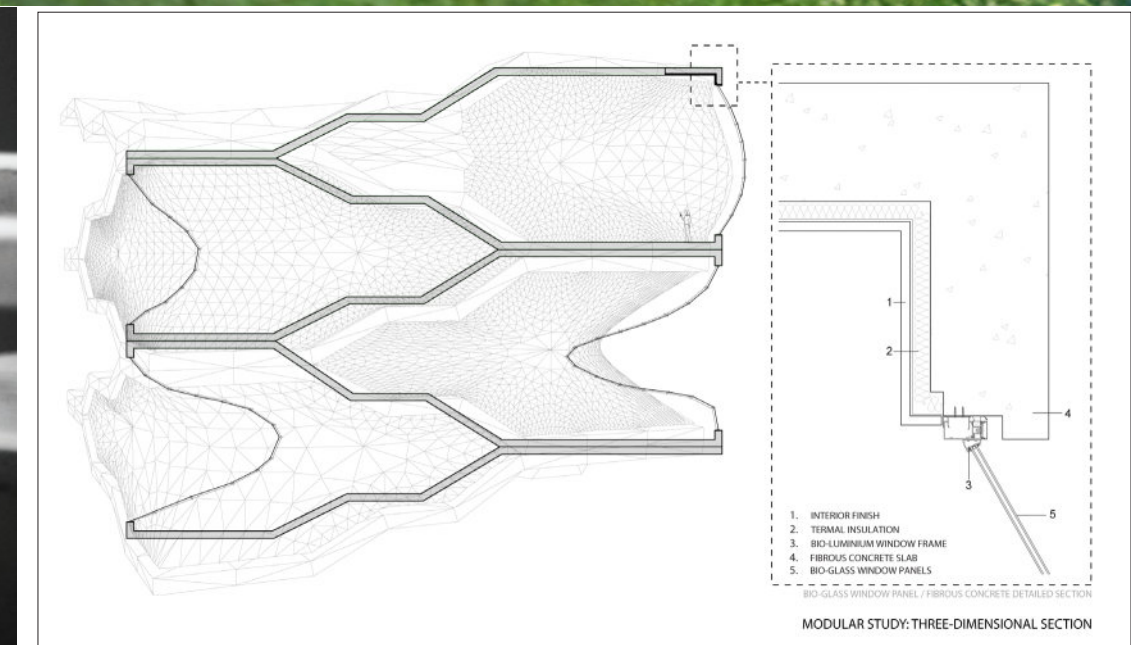
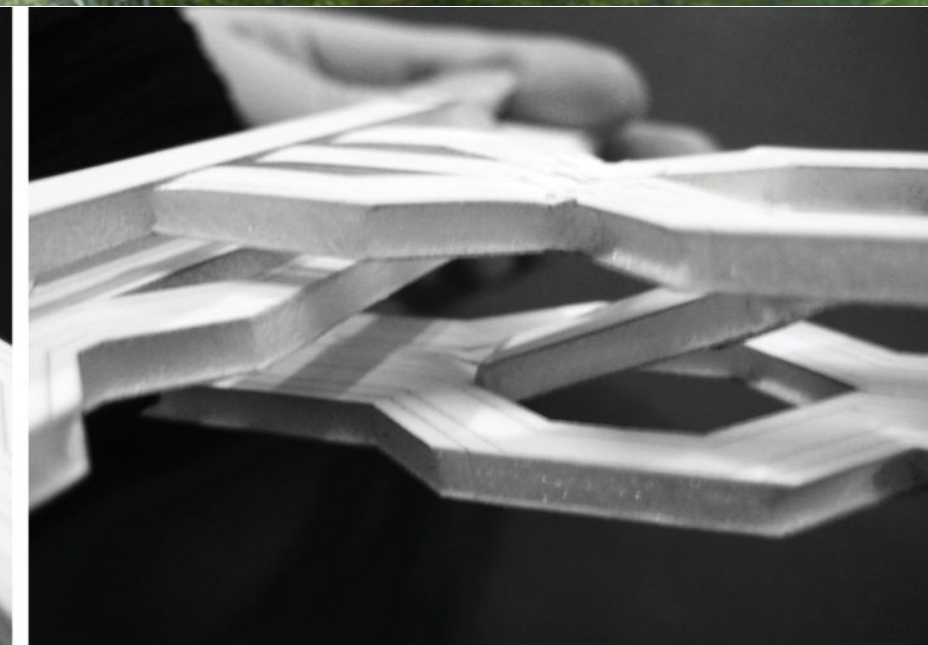
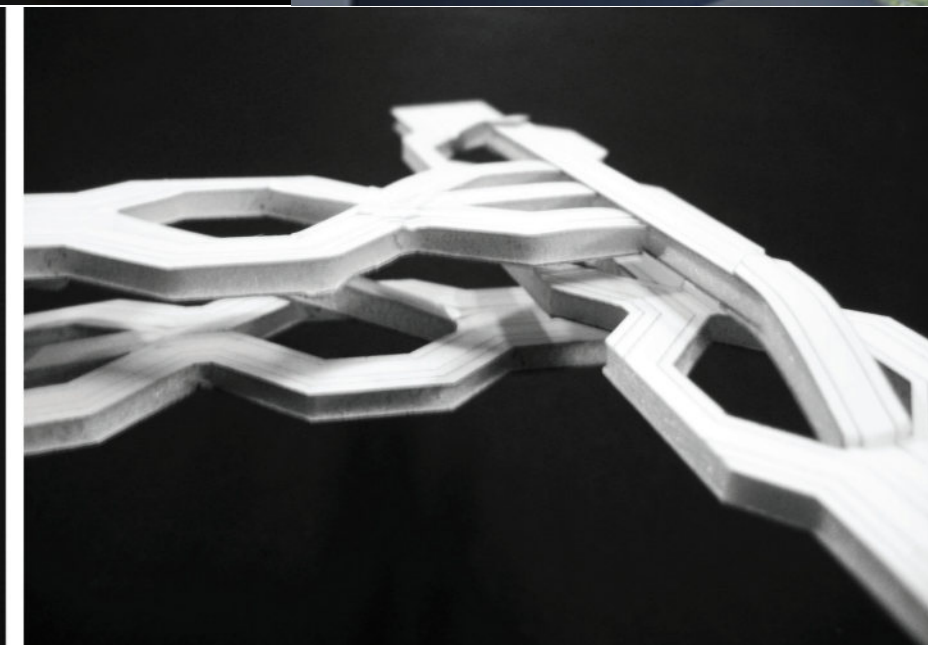
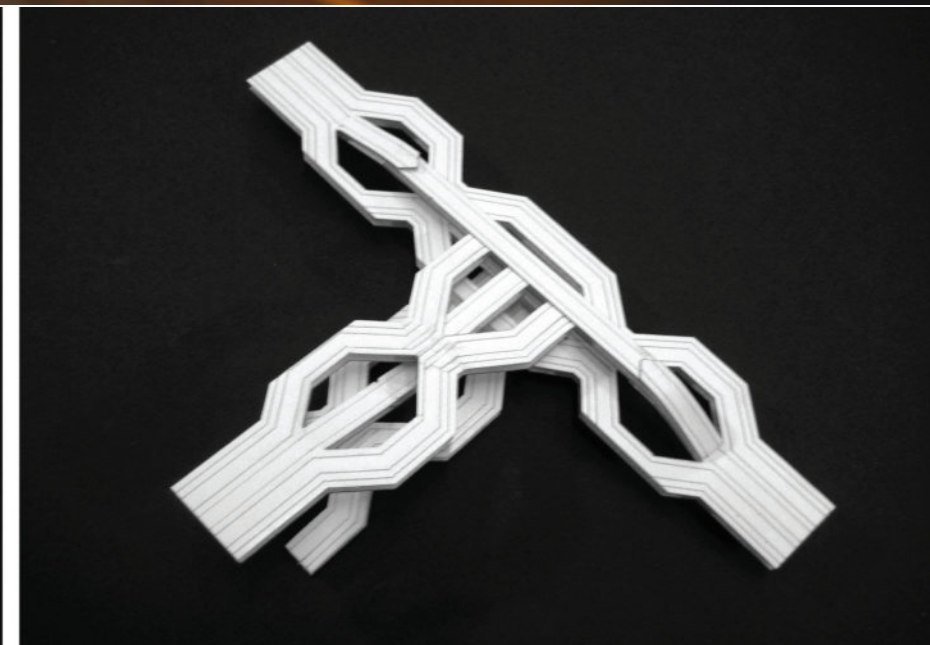
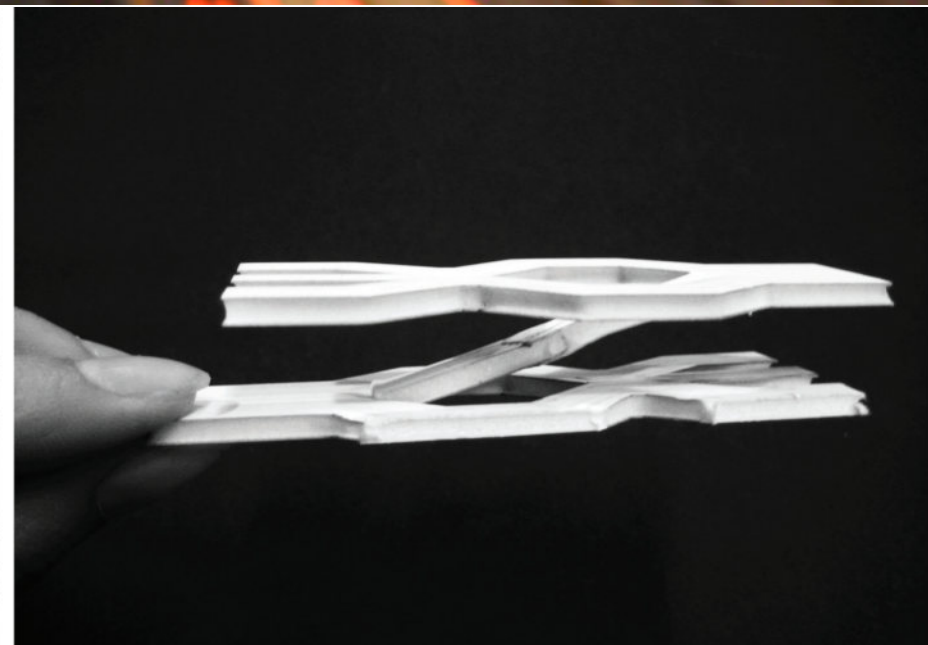
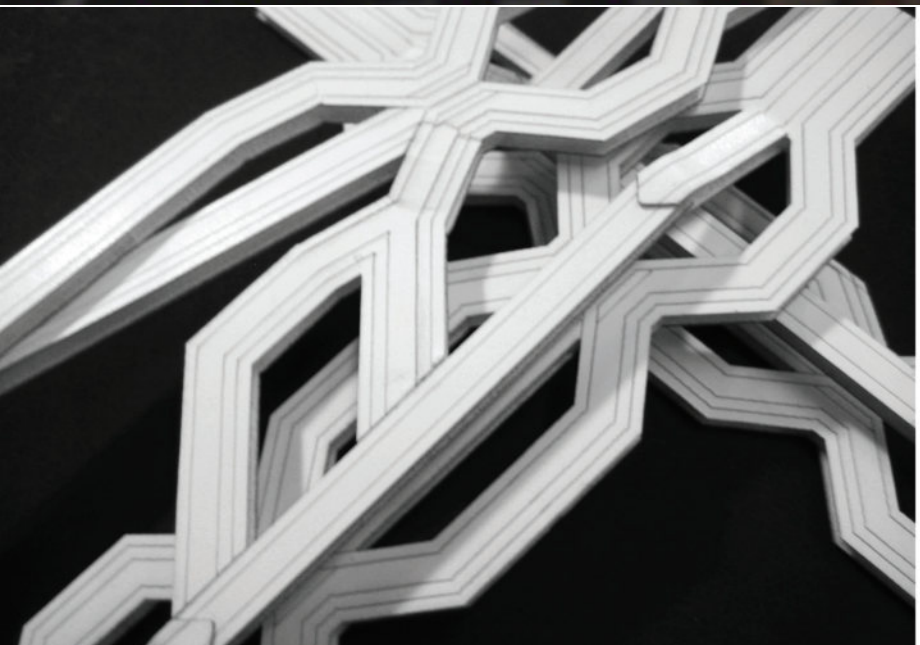
EVENING RENDER FACING SOUTH-EAST



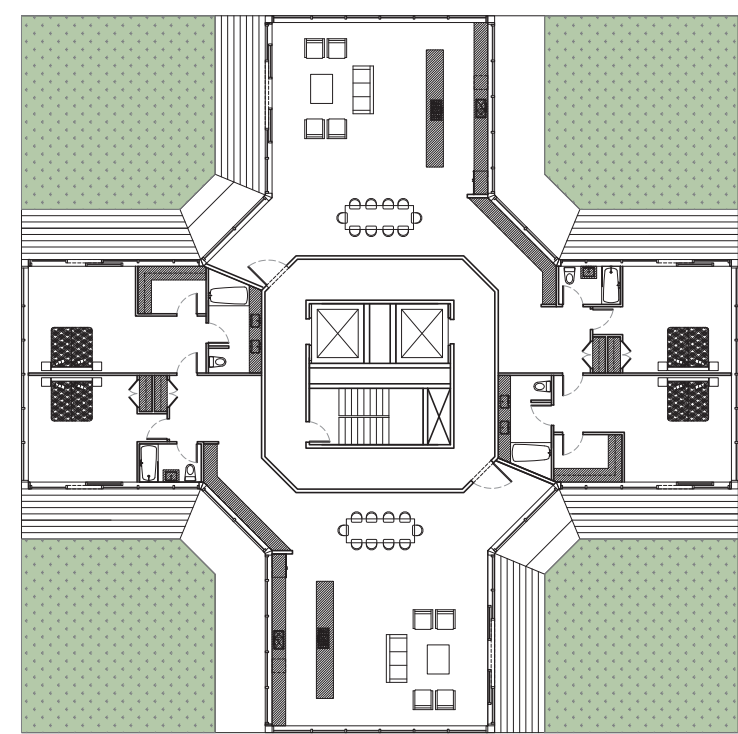
DETAIL RENDER OF TOWER FACING NORTH-WEST



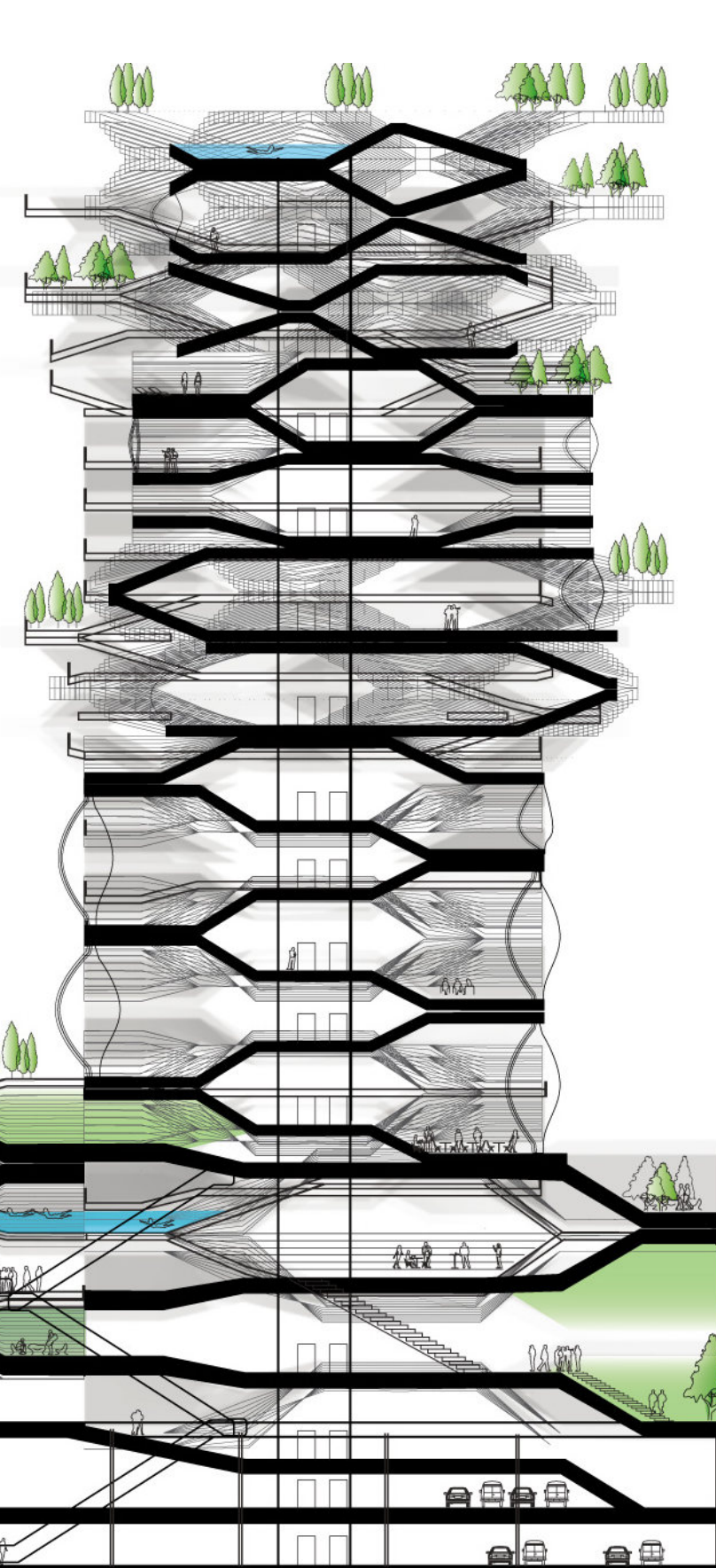
EXTERIOR RENDER OF TOWER FACING SOUTH-WEST



ANALOGUE PROCESS STUDIES



TYPICAL RESIDENTIAL FLOOR PLAN



ROOF TOP POOL +85.00m

RESIDENTIAL +30.00m

GREENSPACE +25.00m

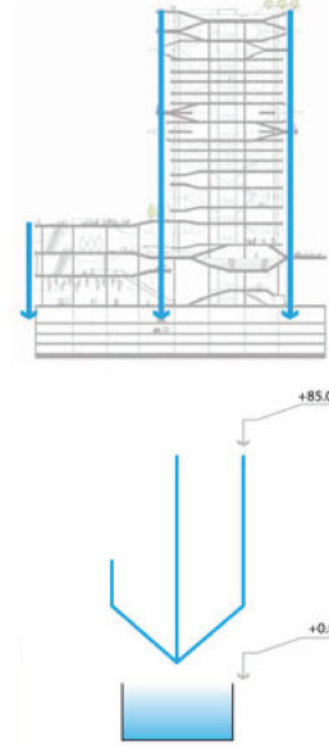
THEATRE / POOL +14.00m

GREENSPACE / RESIDENTIAL ENTRY 00.00m

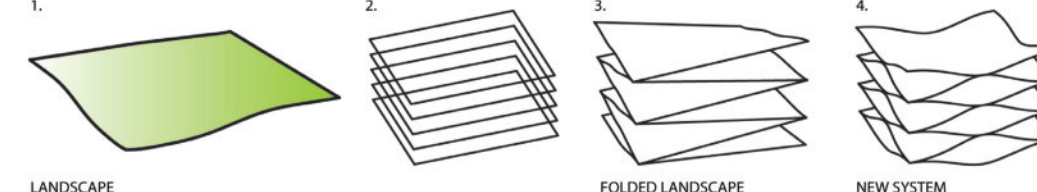
PARKING -8.00m

LONGITUDINAL SECTION

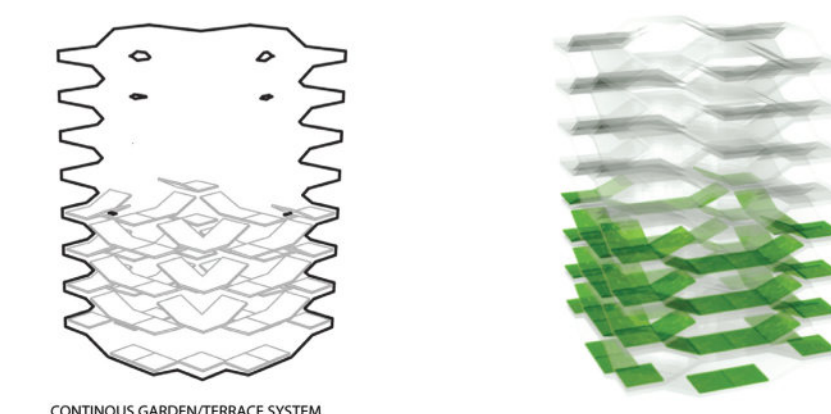
WATER DRAINAGE SYSTEM



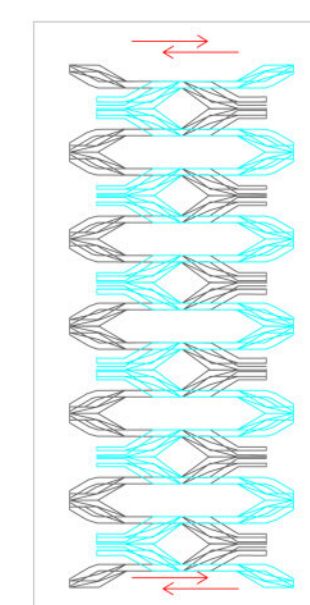
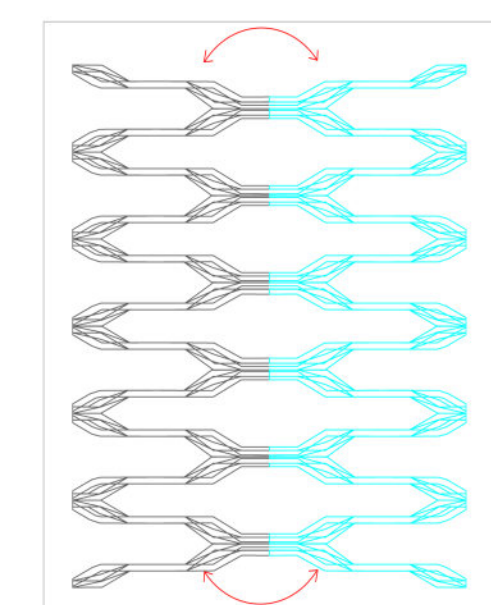
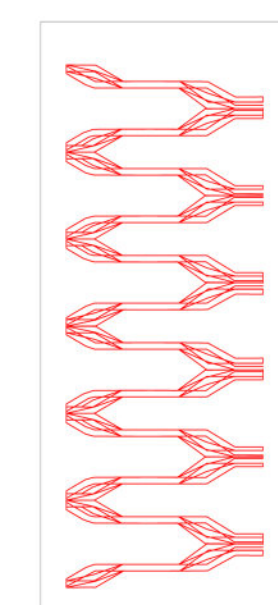
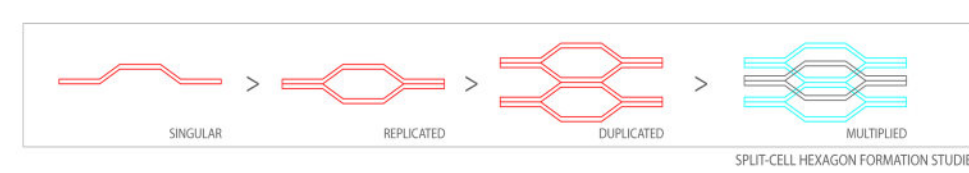
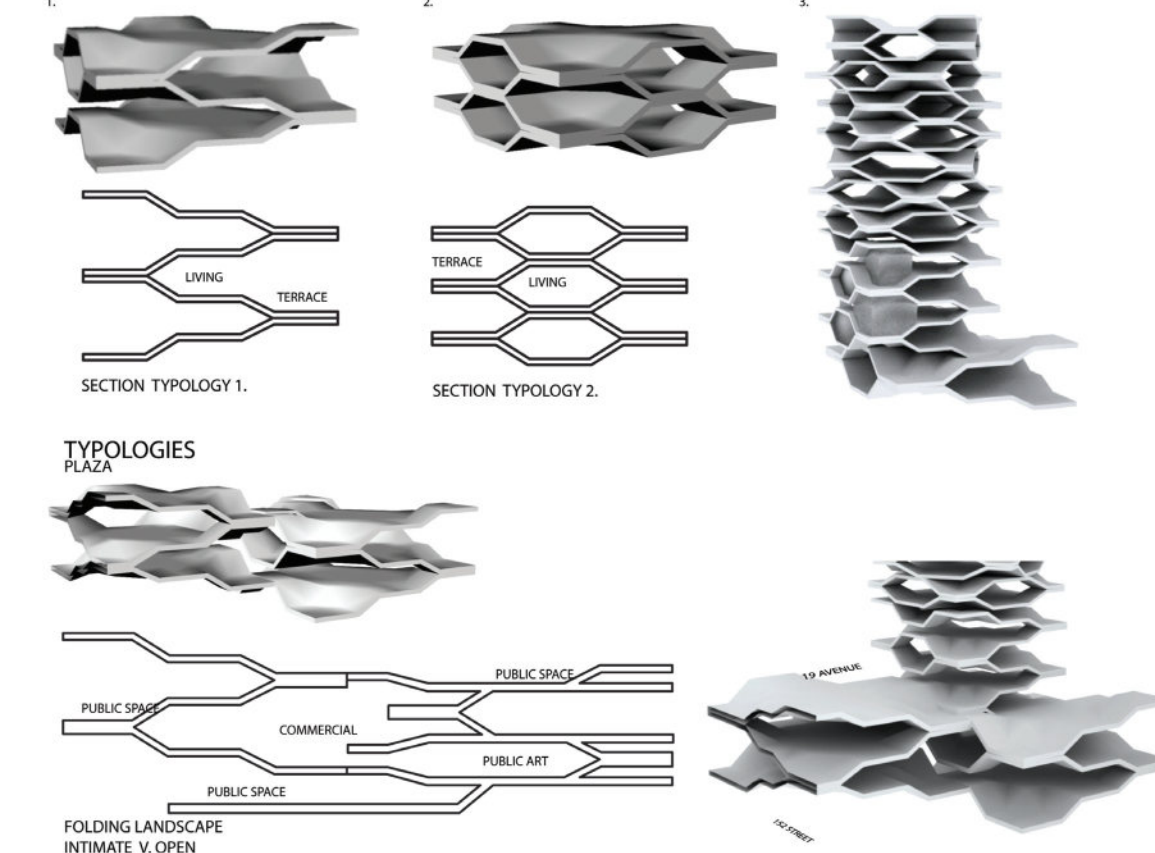
FOLDING CONCEPT DIAGRAMS:



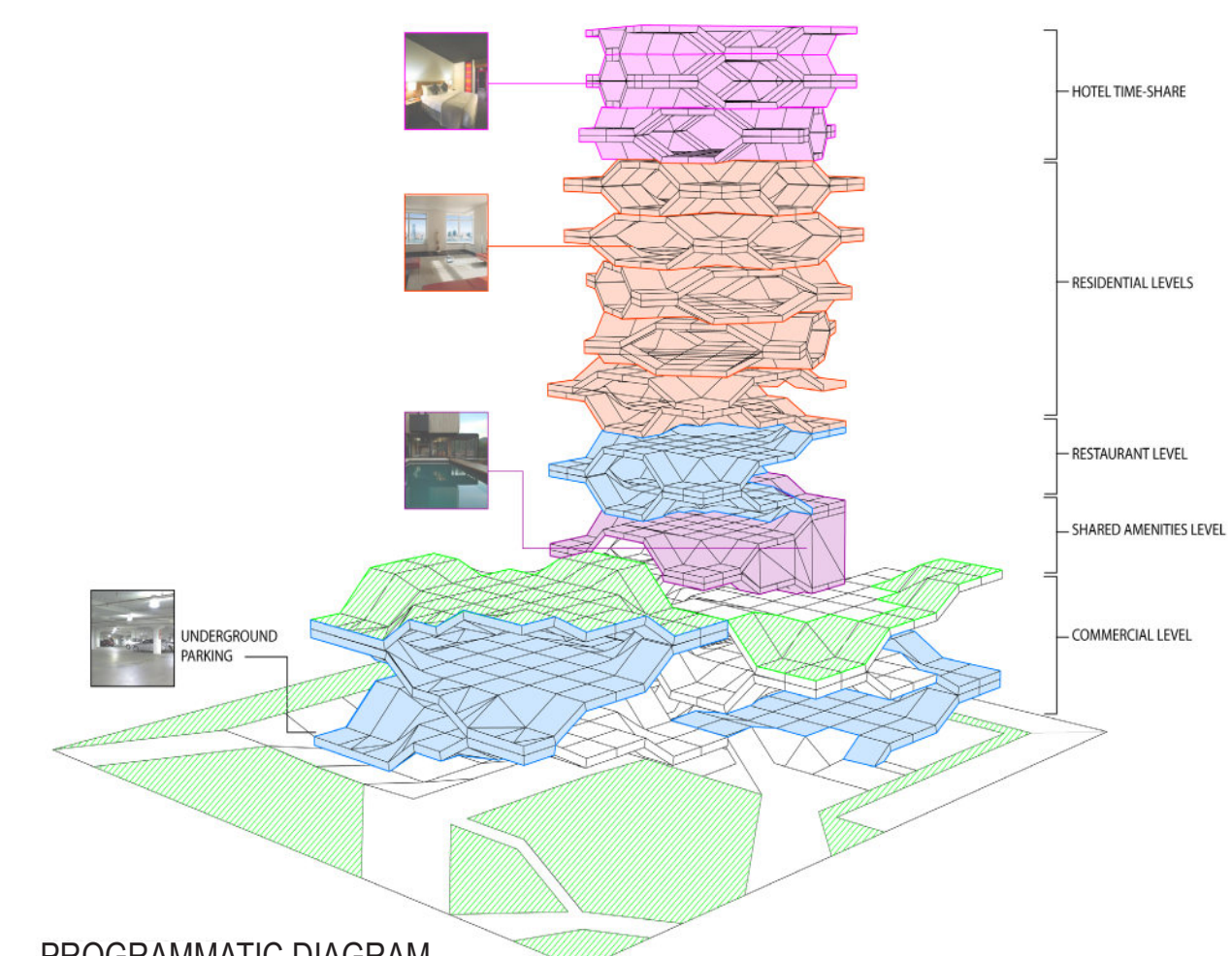
INTERTWINED / FOLDED LANDSCAPE PARKS



TYPOLOGIES



DIGITAL PROCESS MODULAR STUDIES



PROGRAMMATIC DIAGRAM