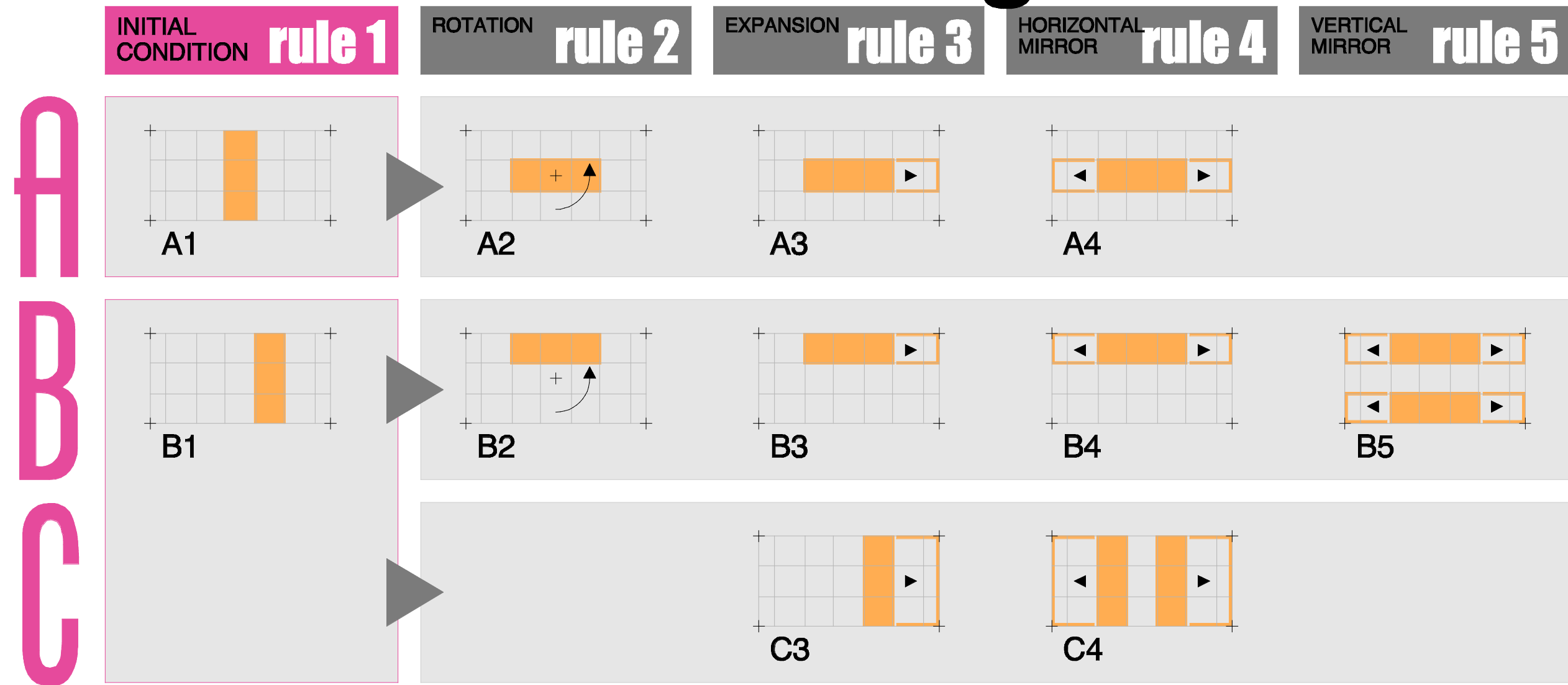
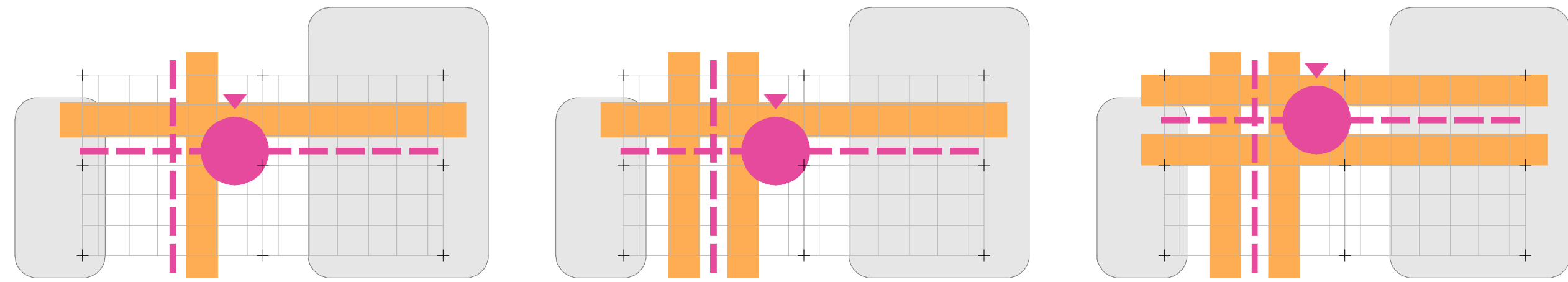


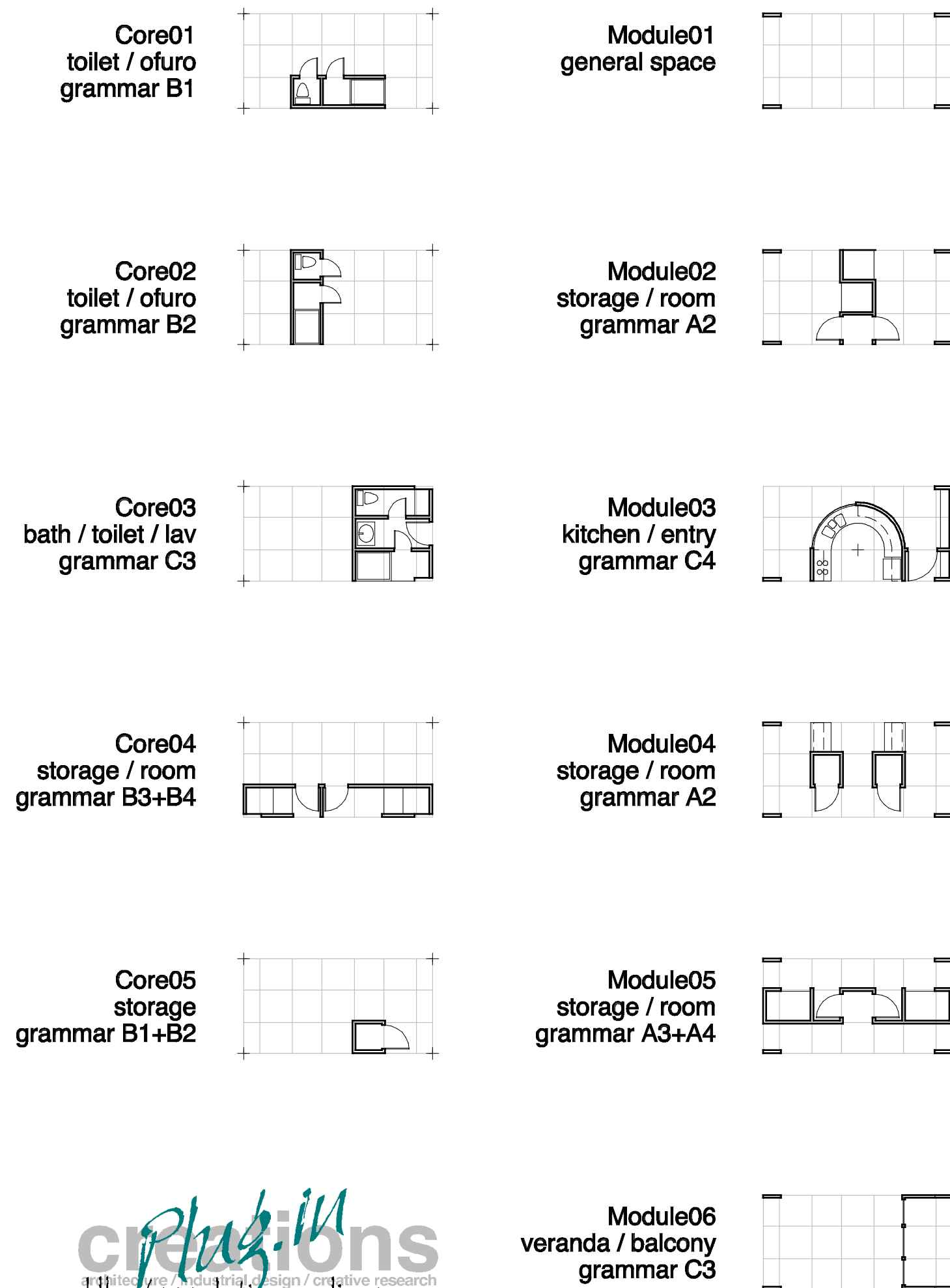
# Design Grammars



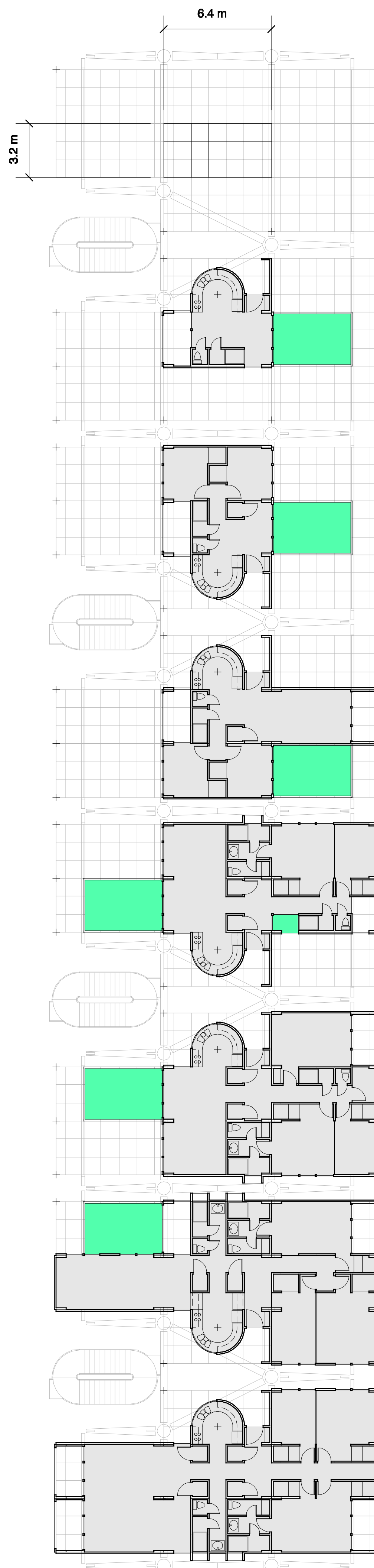
## Design Diagrams



## Module / Core Types



**creations**  
http://www.plugin-creations.com



## Module

3.2m x 6.4m modules  
assembled in factory

## Plan 01

One room (studio) apartment  
2 modules

## Plan 02

2DK apartment  
3 modules

## Plan 03

2LDK apartment  
4 modules

## Plan 04

2LDK apartment  
5 modules

## Plan 05

3LDK apartment  
6 modules

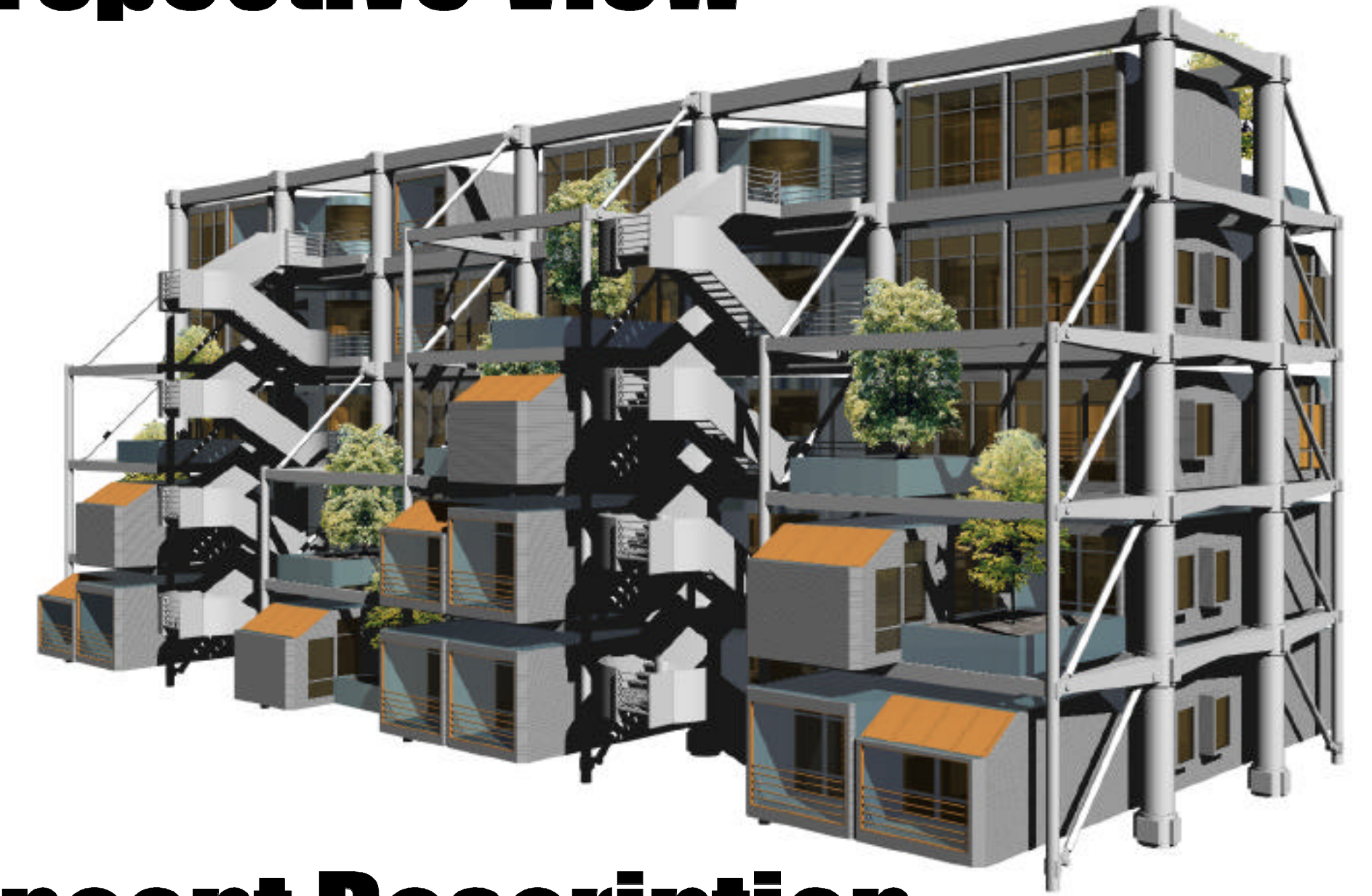
## Plan 06

3LDK apartment  
7 modules

## Plan 07

3LDK / 4LDK apartment  
8 modules

# Perspective View



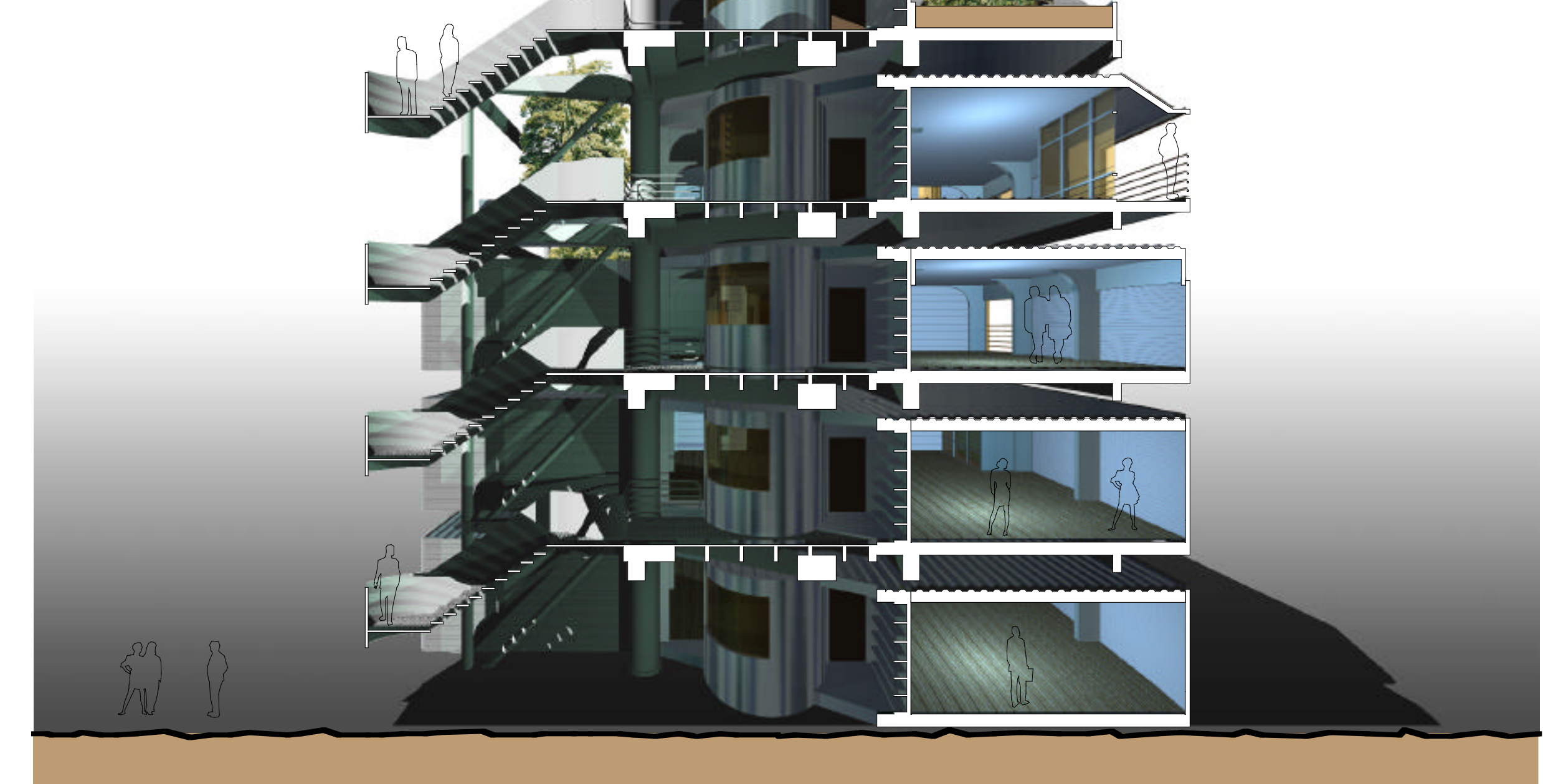
## Concept Description

The infill building components are based on a standard block module, sized for easy transport. The standard module size is 3.2m x 6.4m x 3.2m high. Each module is conceived according to a design grammar, which provides rules for program layout. In the grammar, a simple zone for infill structure can be translated, rotated, scaled, unioned, intersected, and differenced for the purpose of generating interior partitions and infill structure. This technique allows for a quantified approach to design, and simplifies the automated manufacture and production of the infill structure.

## Elevation View



## Section View



**SUPPORT / INFILL:** The support / infill concept allows for efficiency, economy, and "green design" in a building's lifetime, and supports the kit-of-parts paradigm. "Support" refers to the structure of the building, and is designed with a long life span. "Infill" refers to secondary structures such as walls, floors, ceilings, or roofs which have a shorter life span than the support structure. A "support / infill" design allows for building components to be removed, replaced, upgraded, or recycled according to their various life spans.