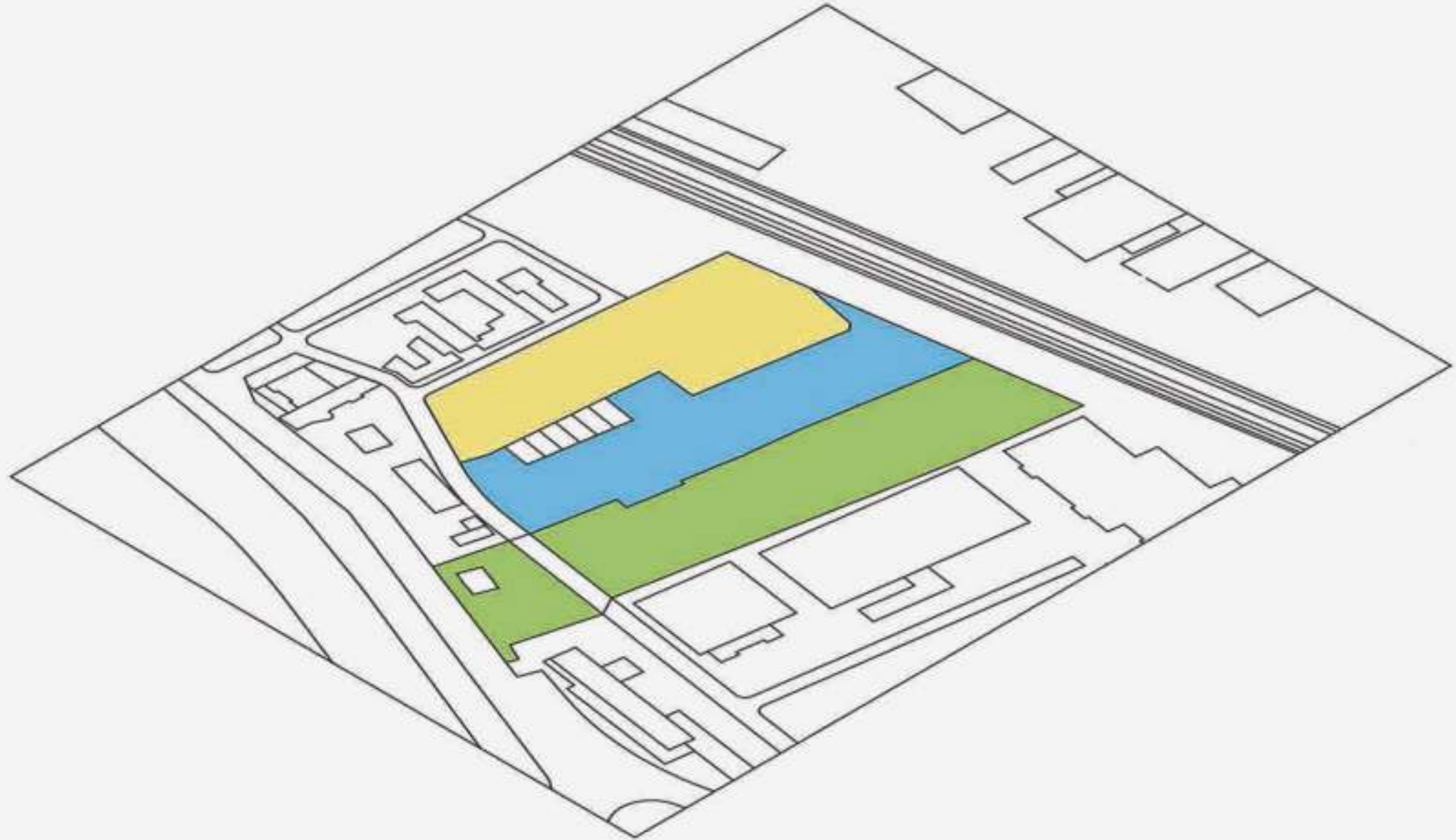
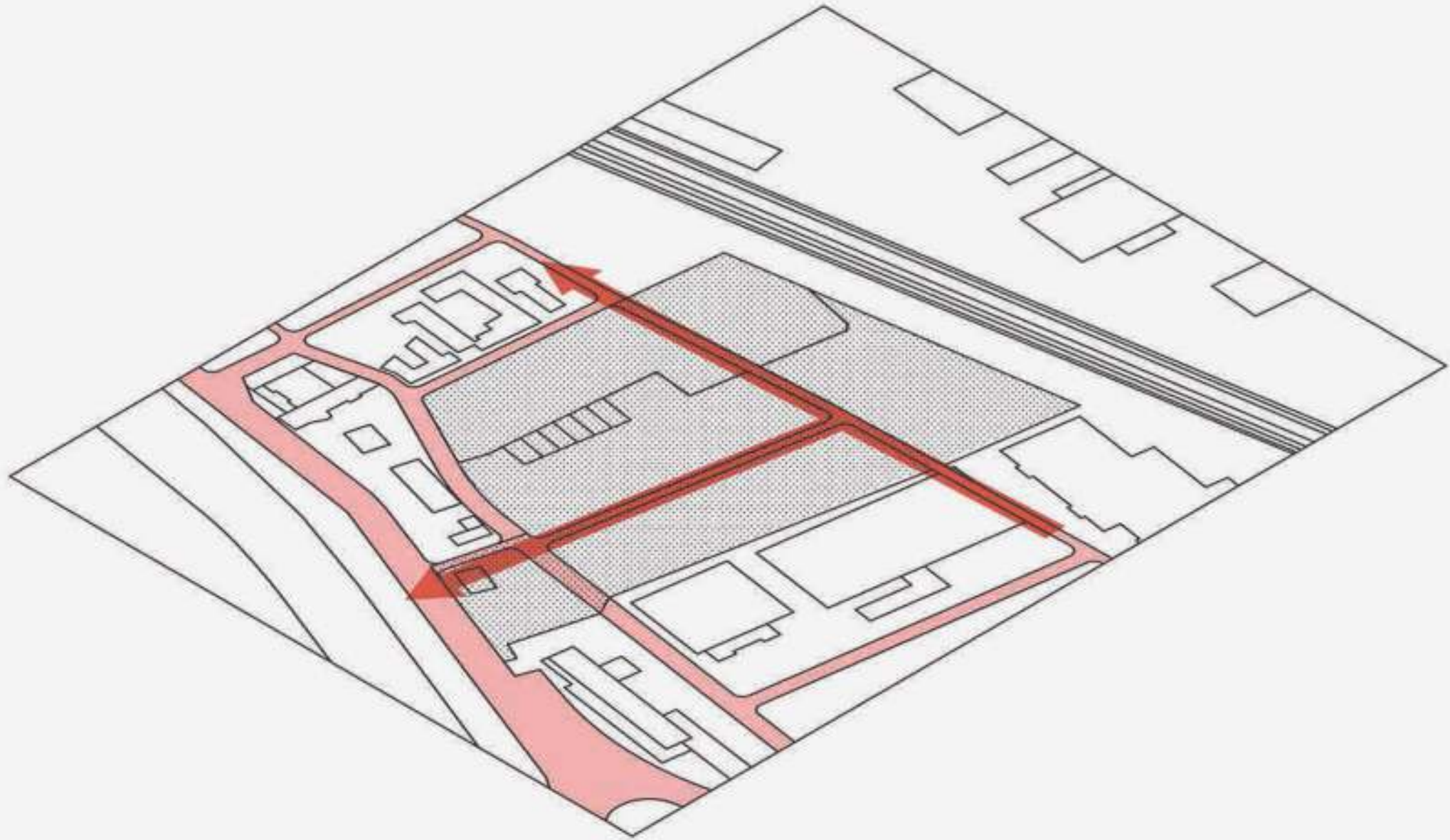


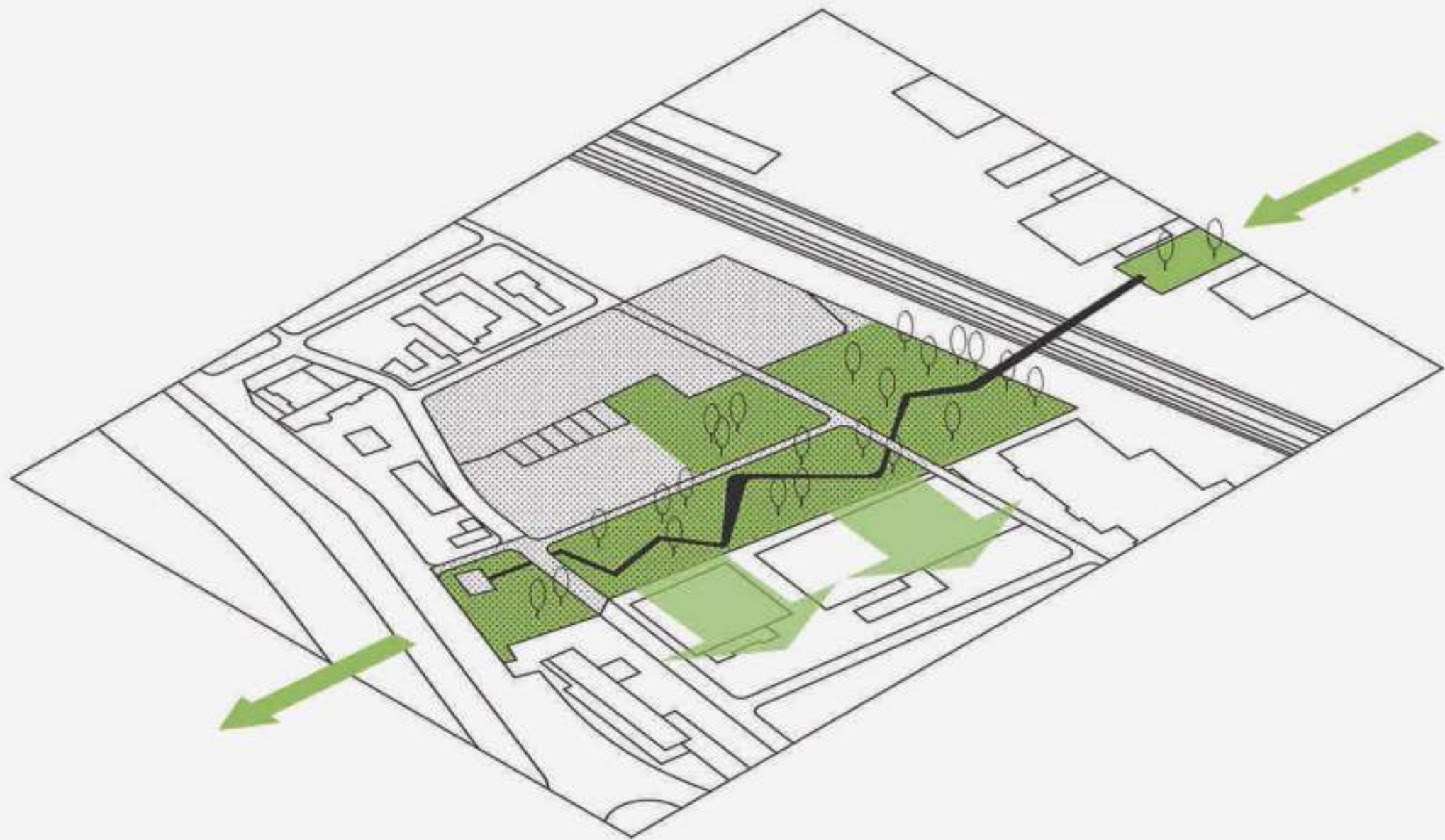
Holubov Vlad  
Karpets Nazarii  
Peker Arkadii  
Ukraine



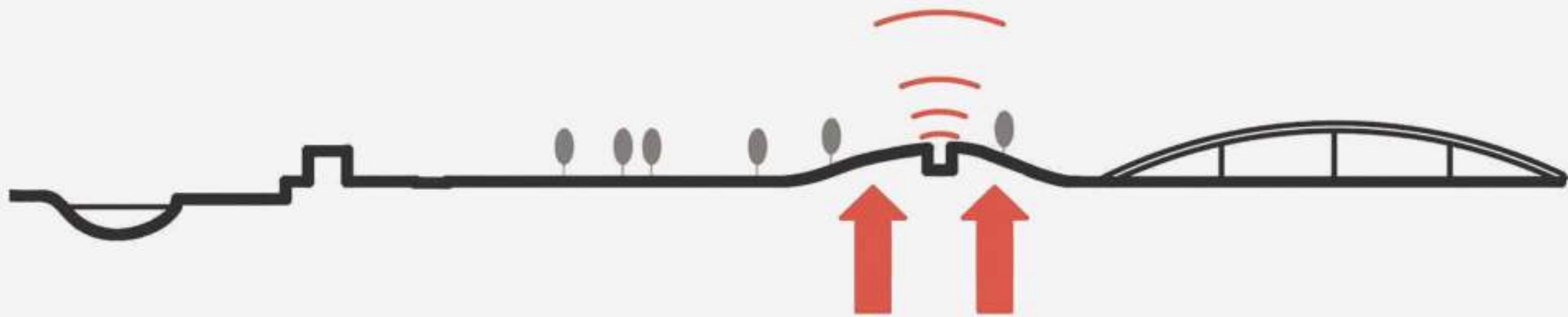




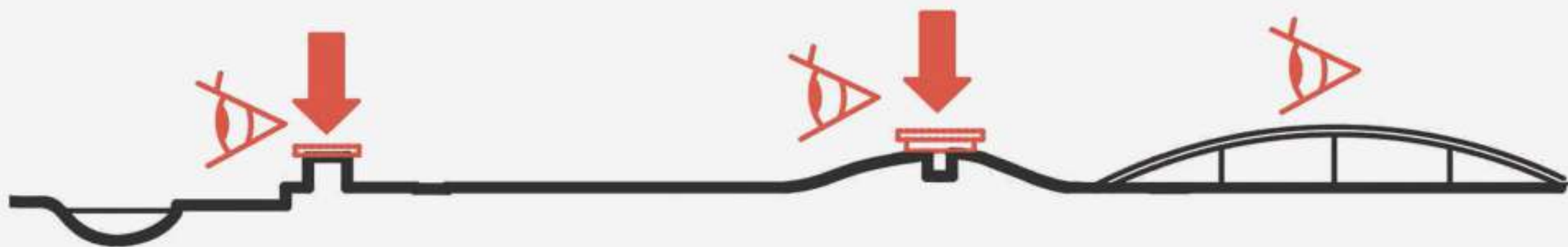


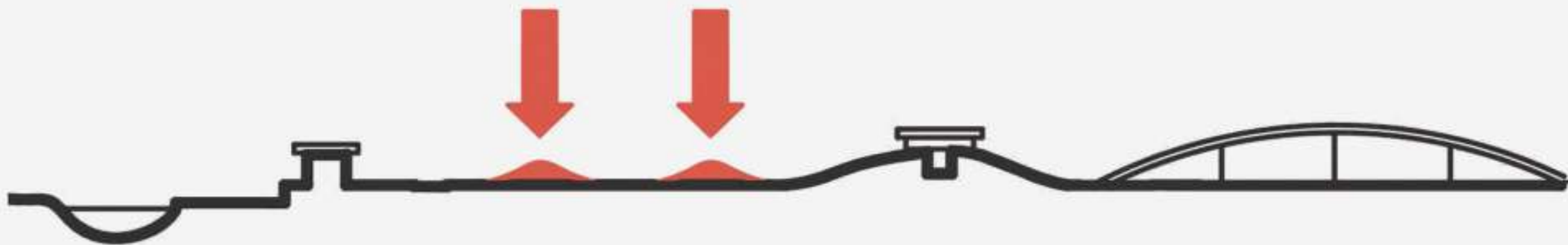


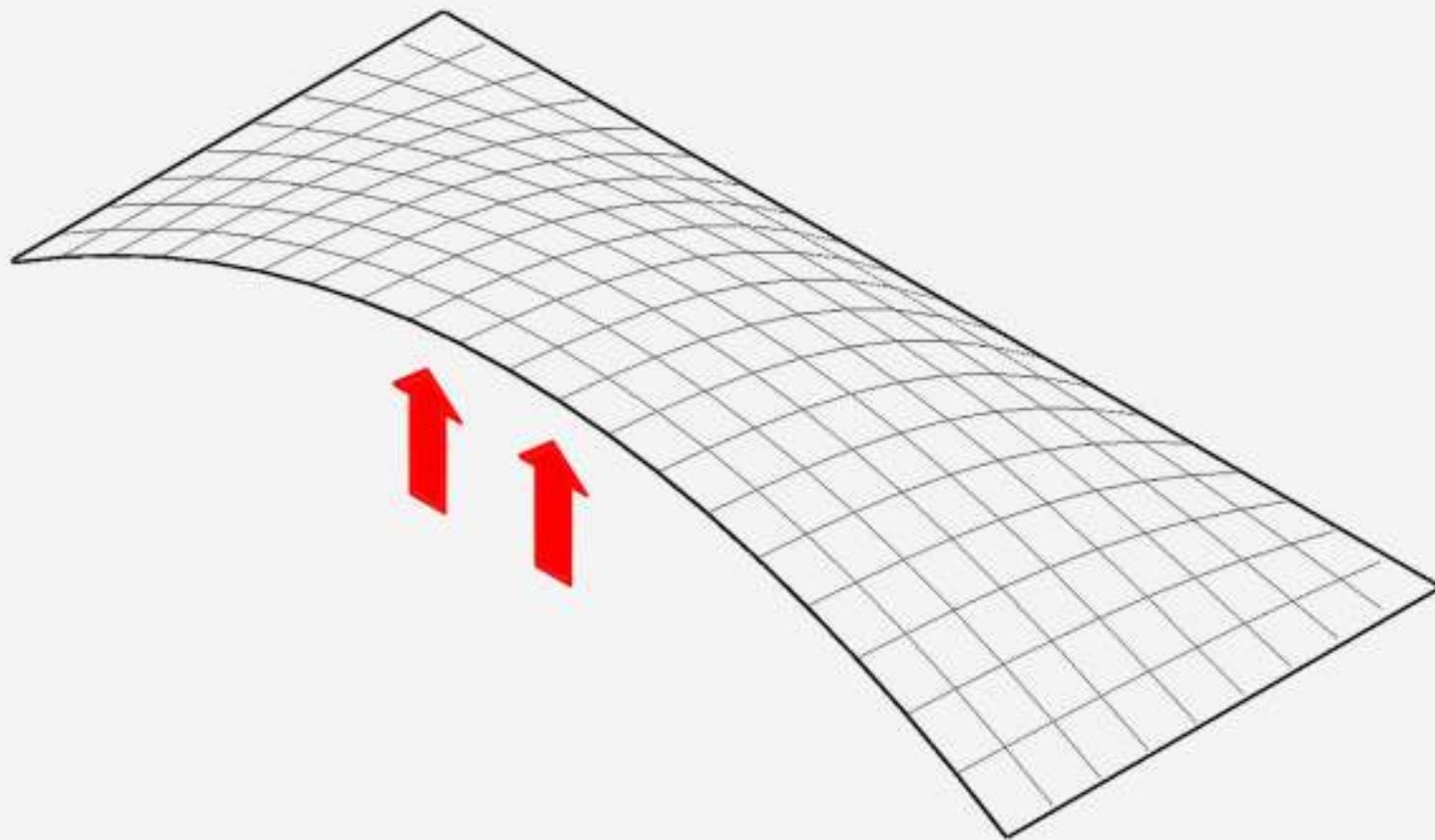


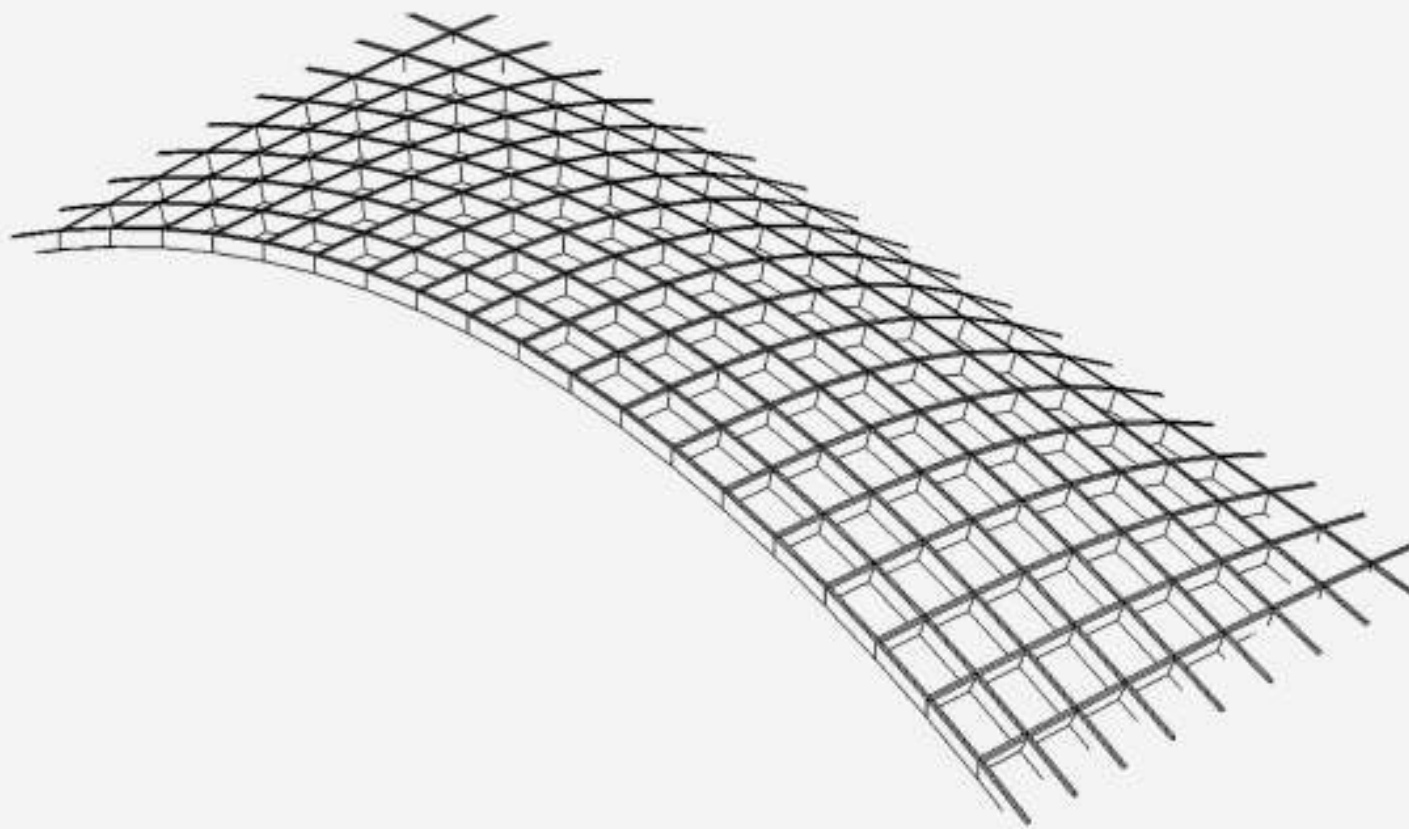


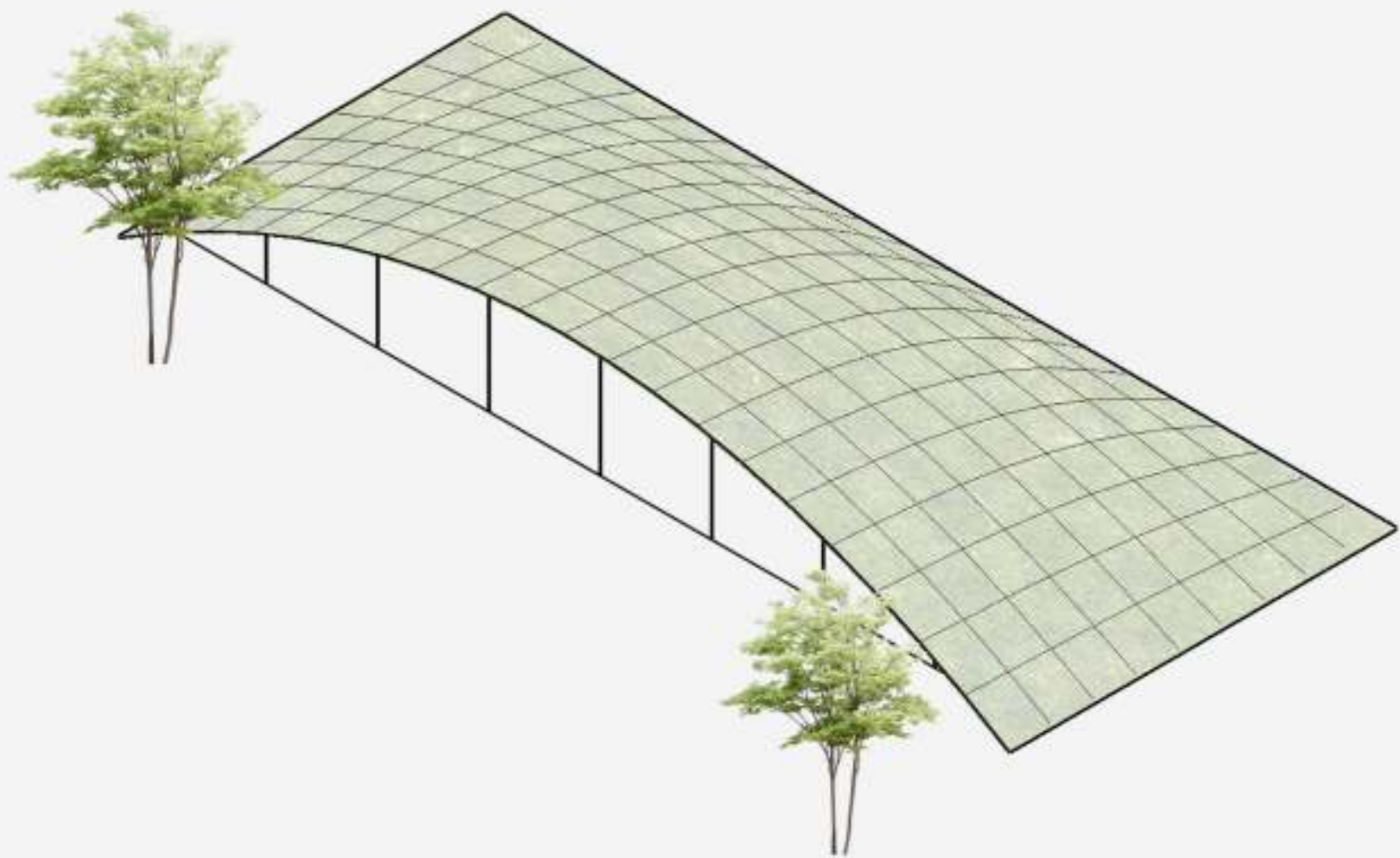




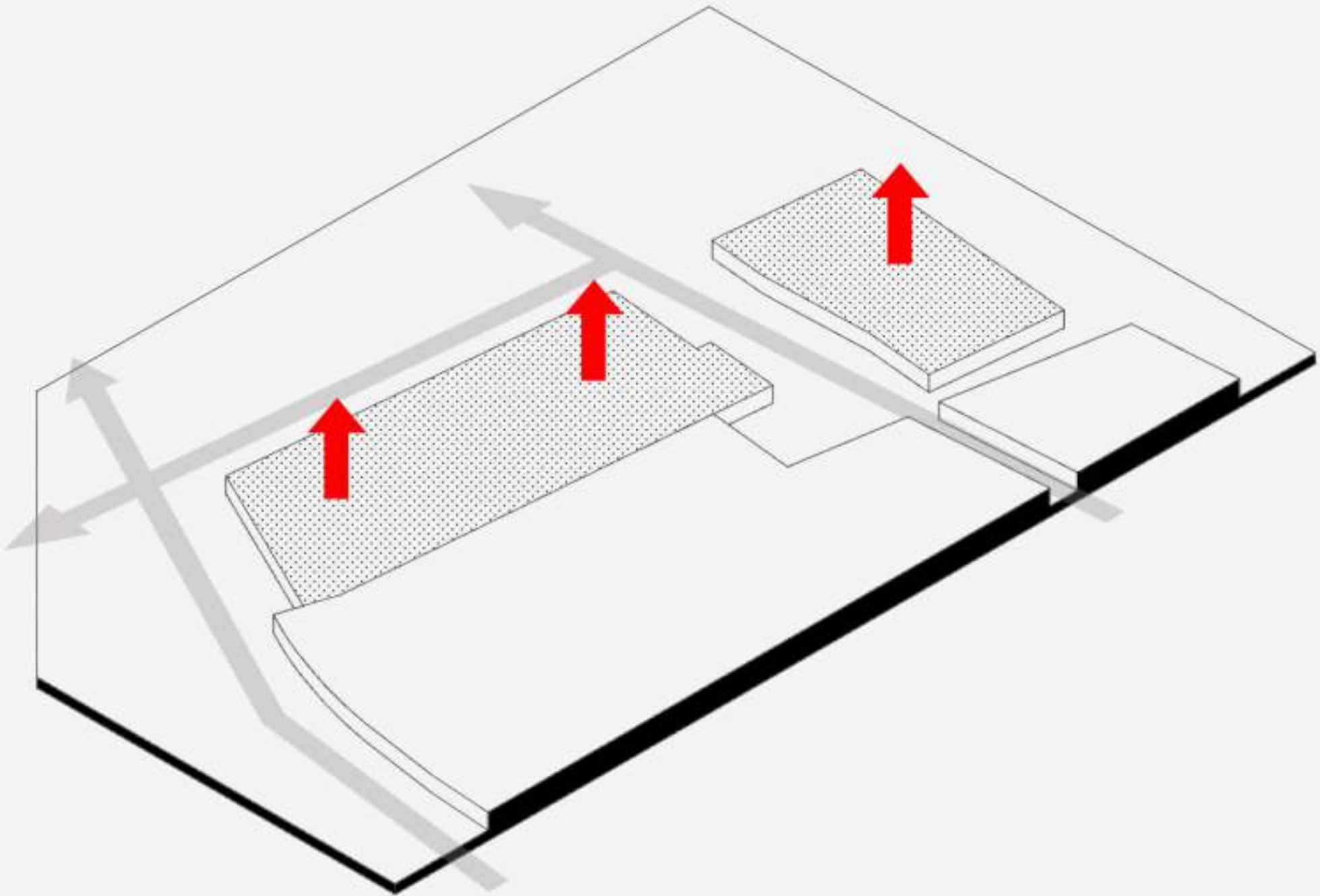


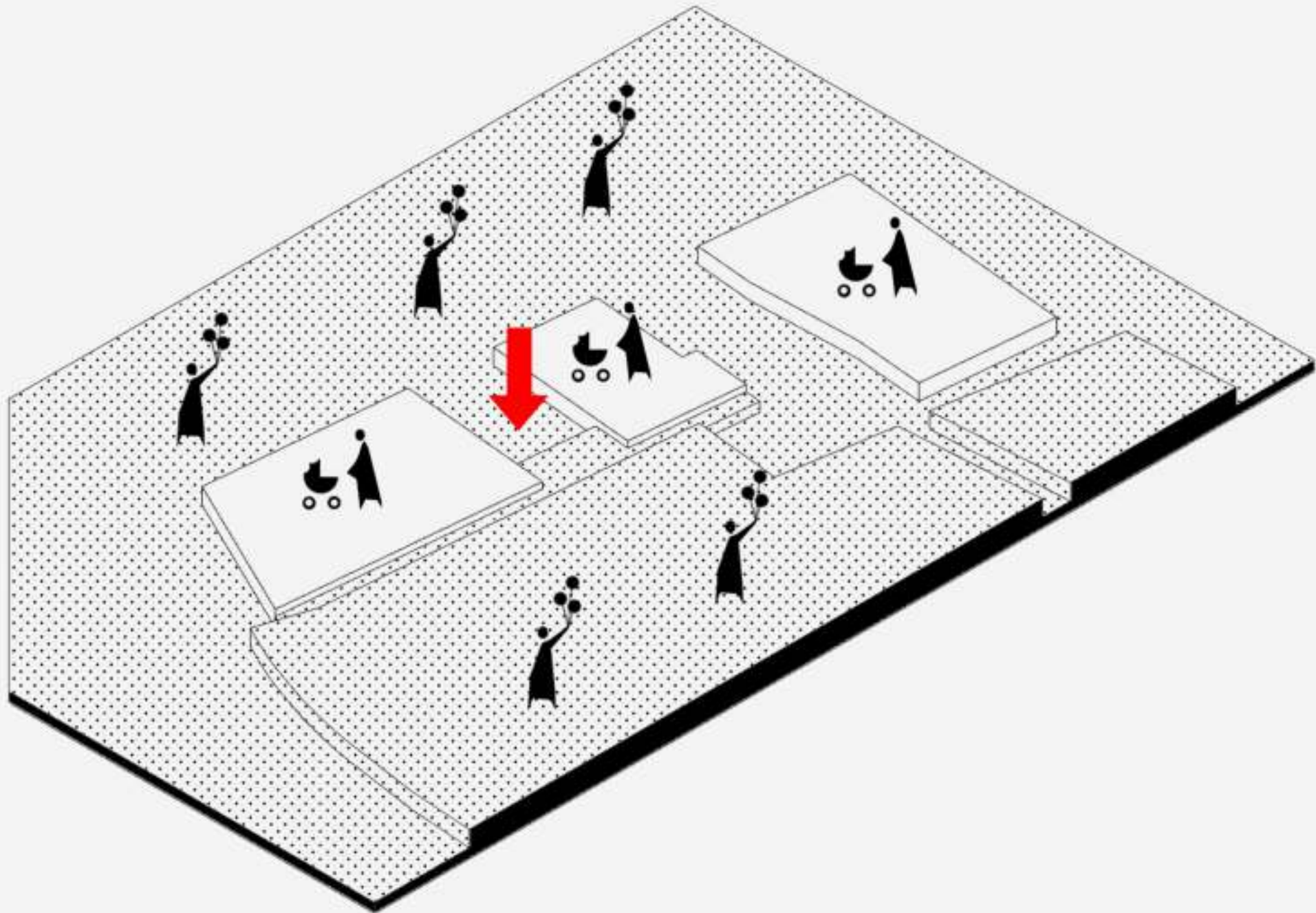




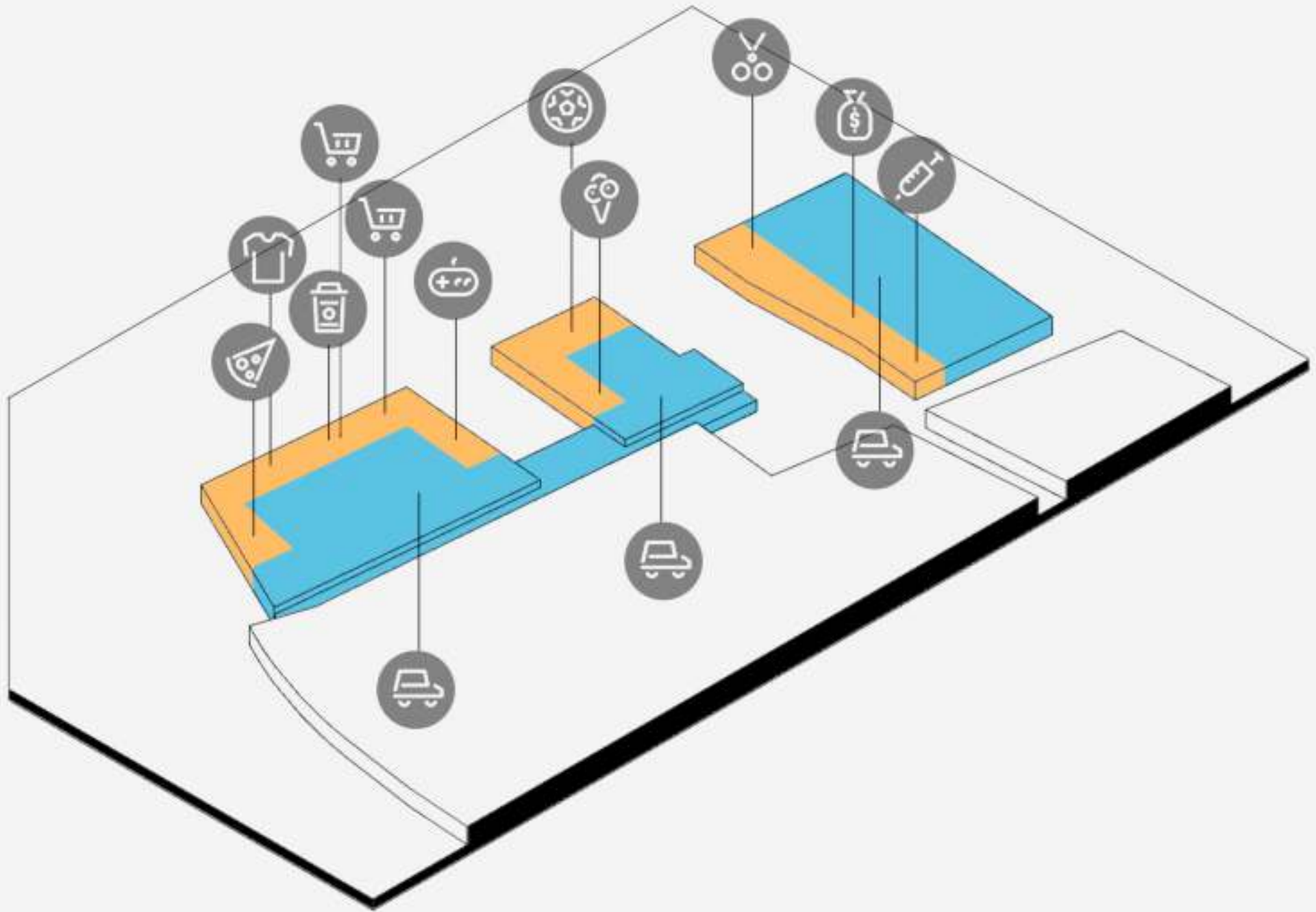


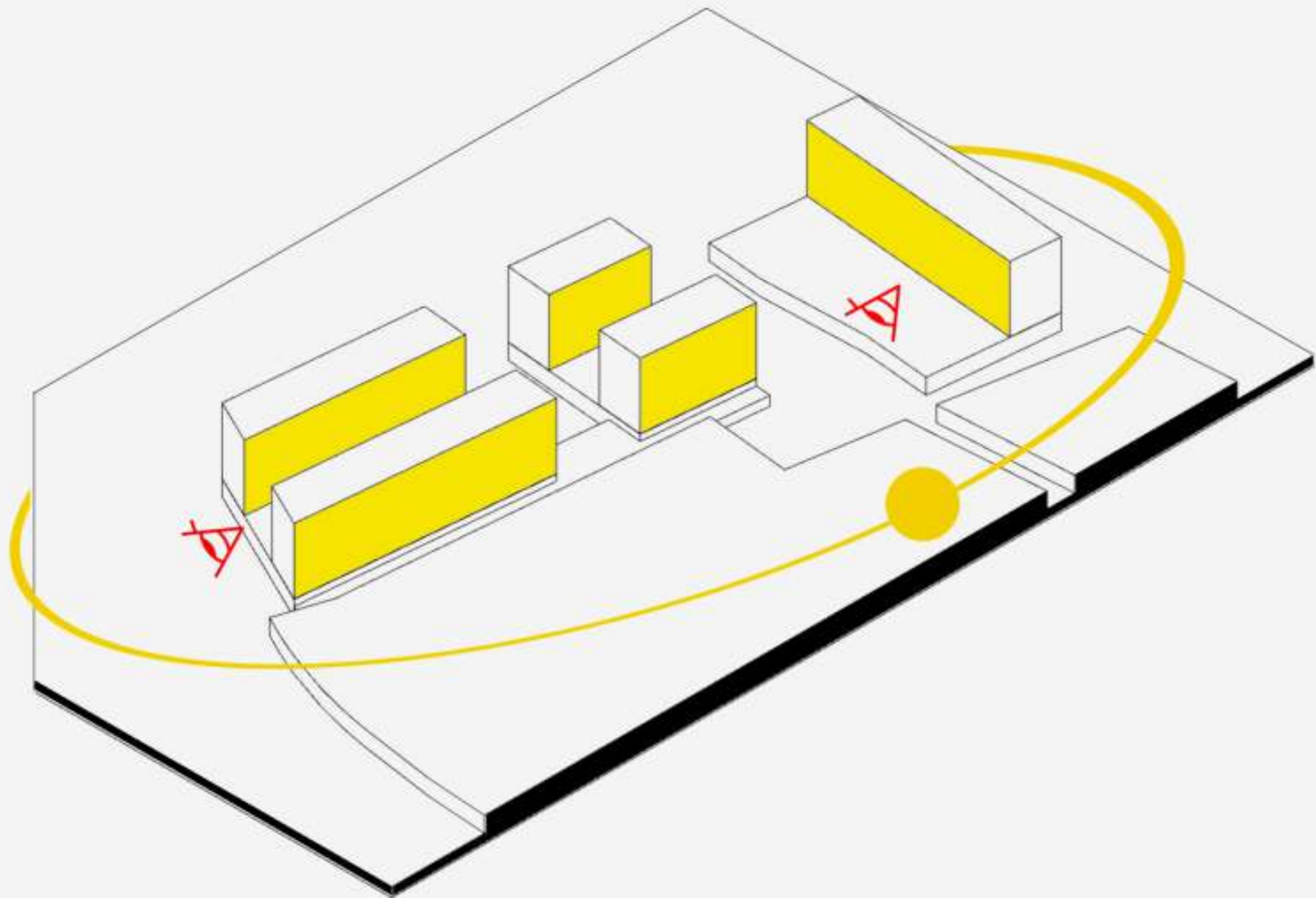


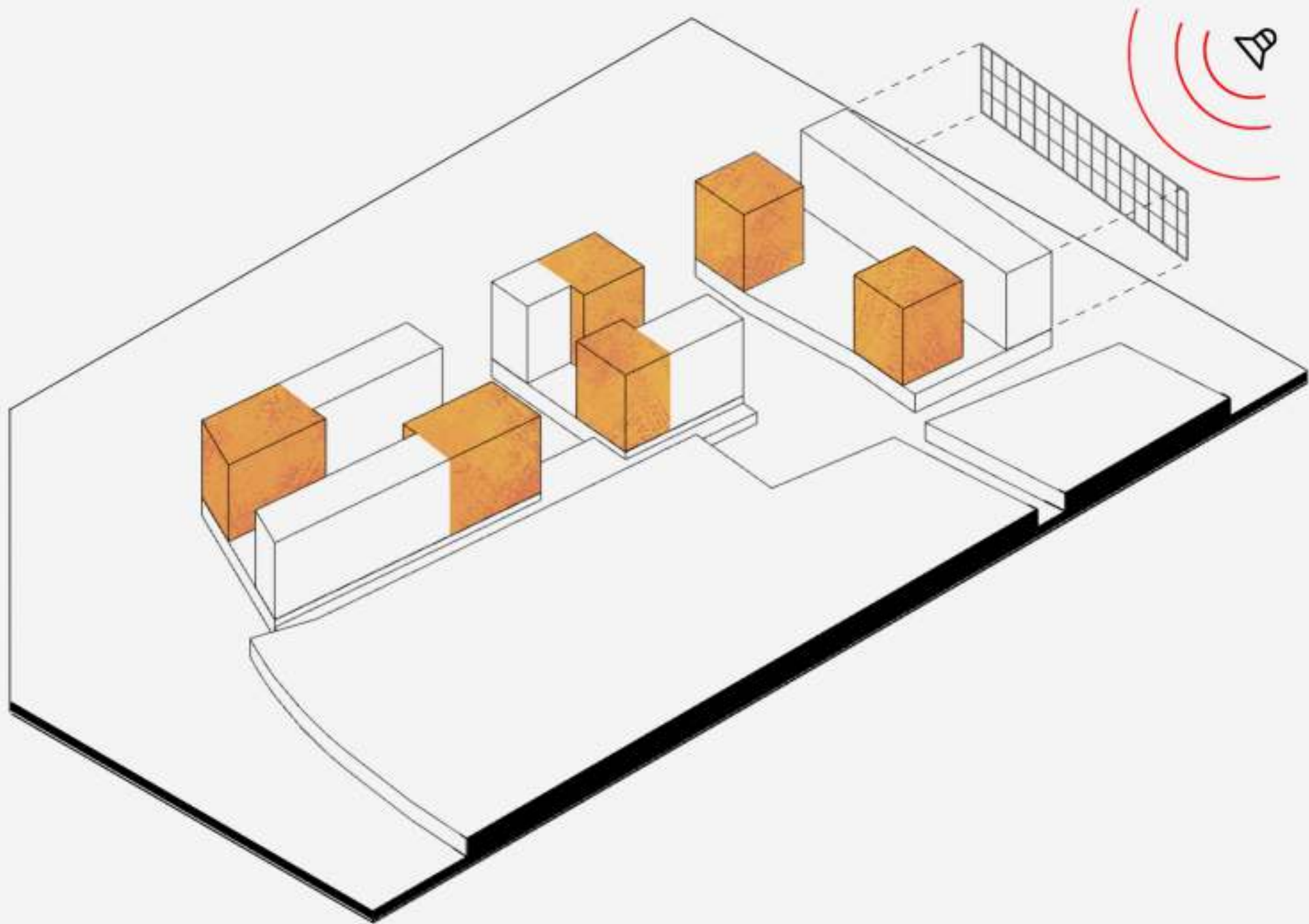


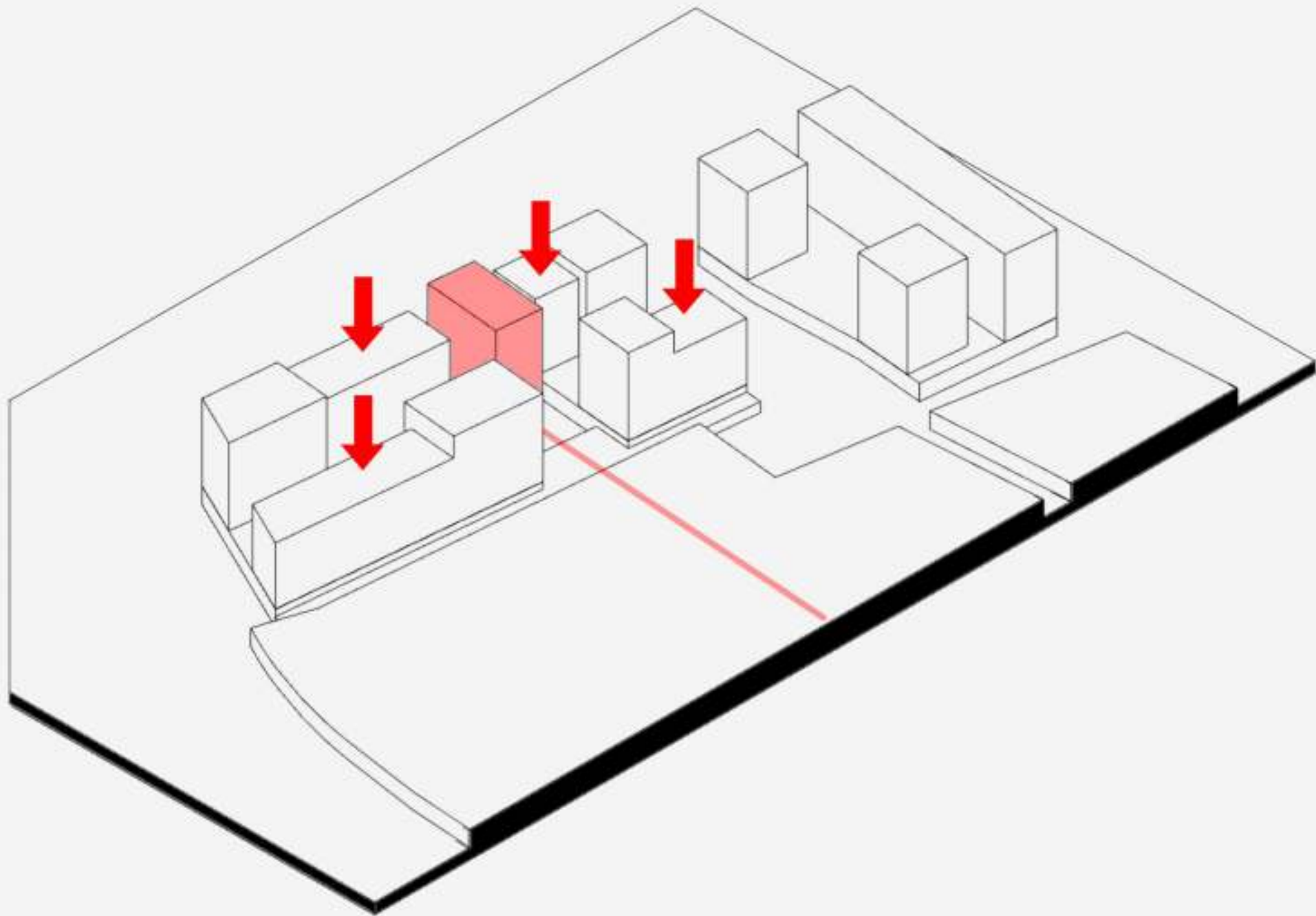


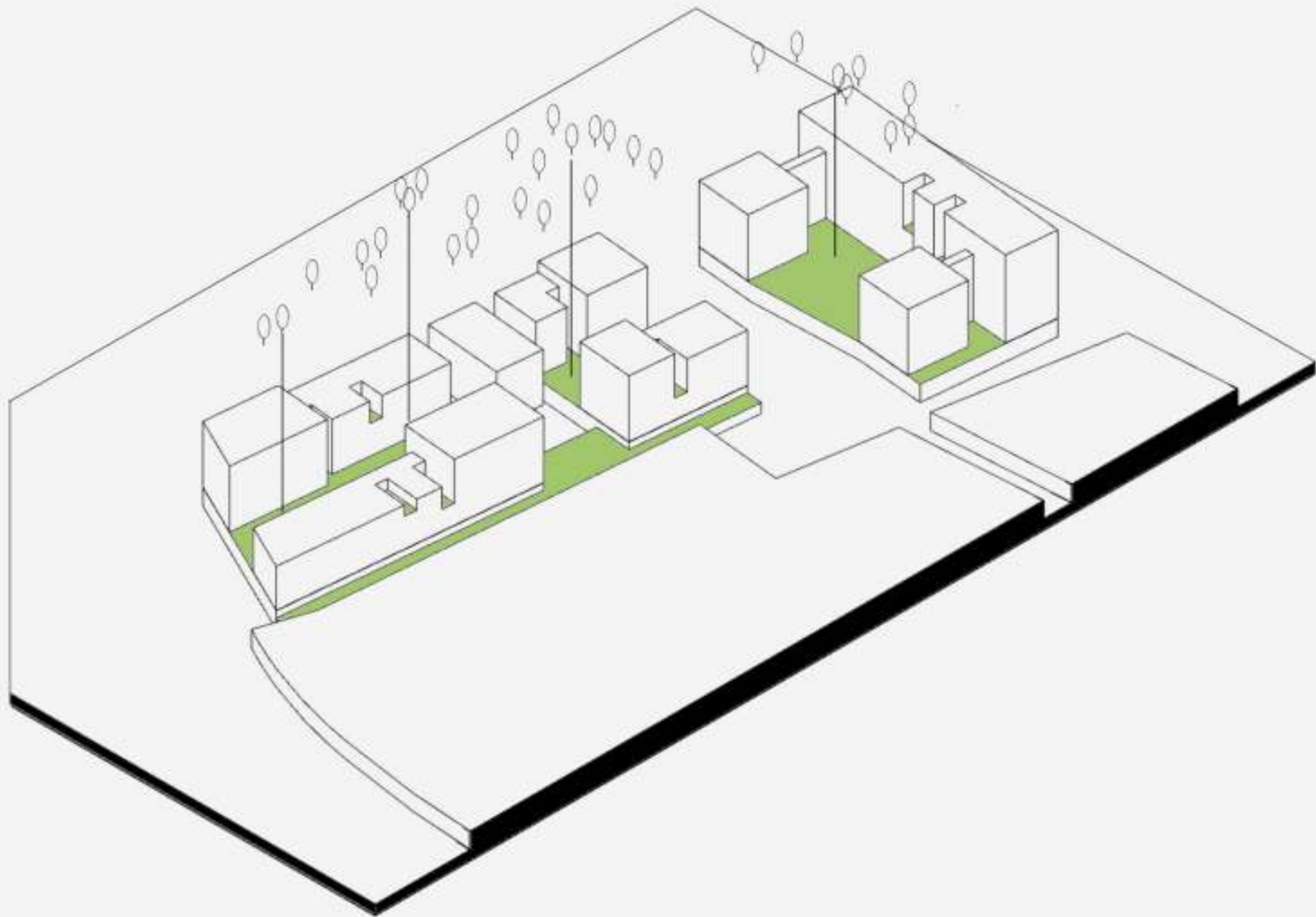


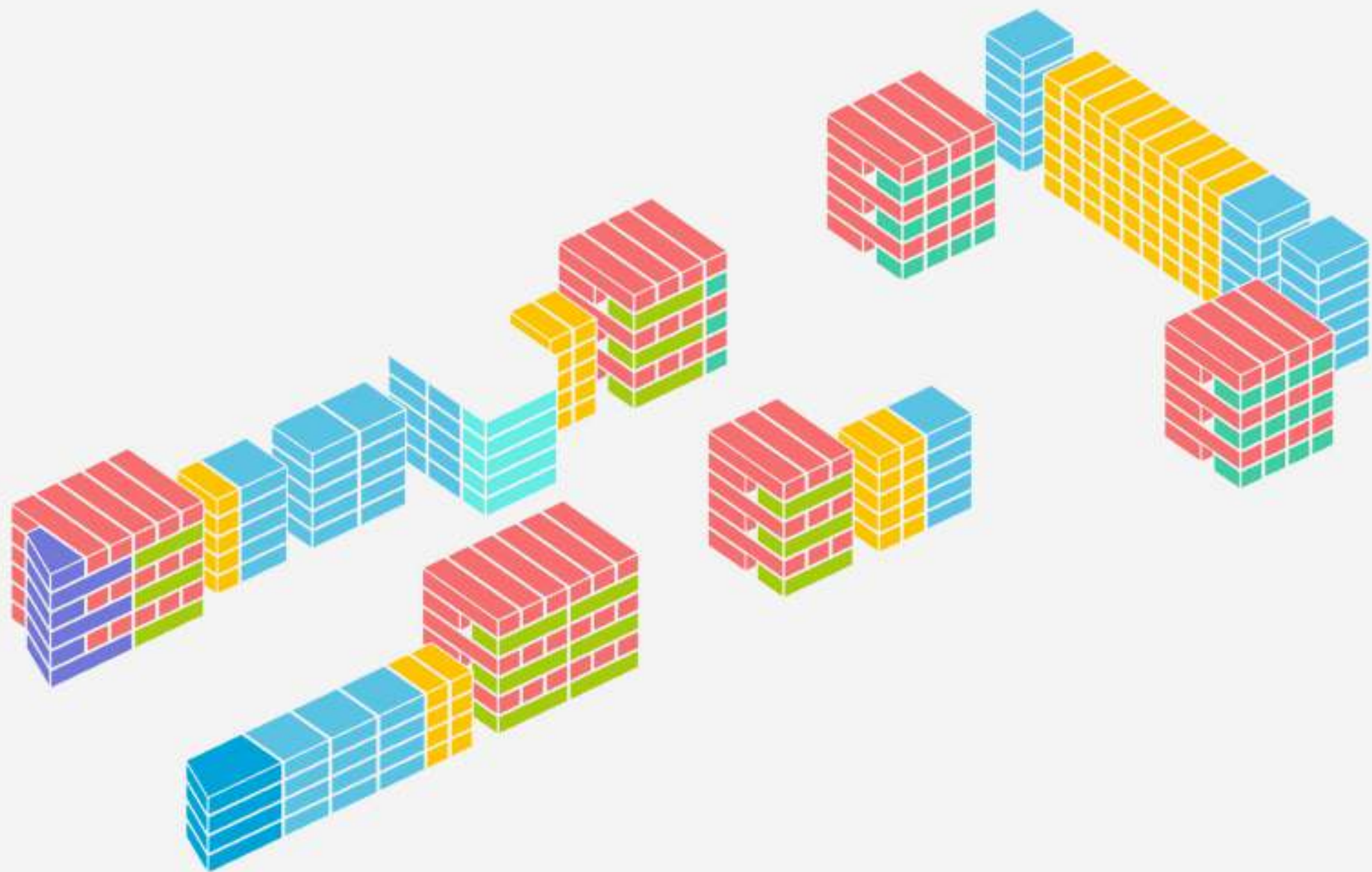














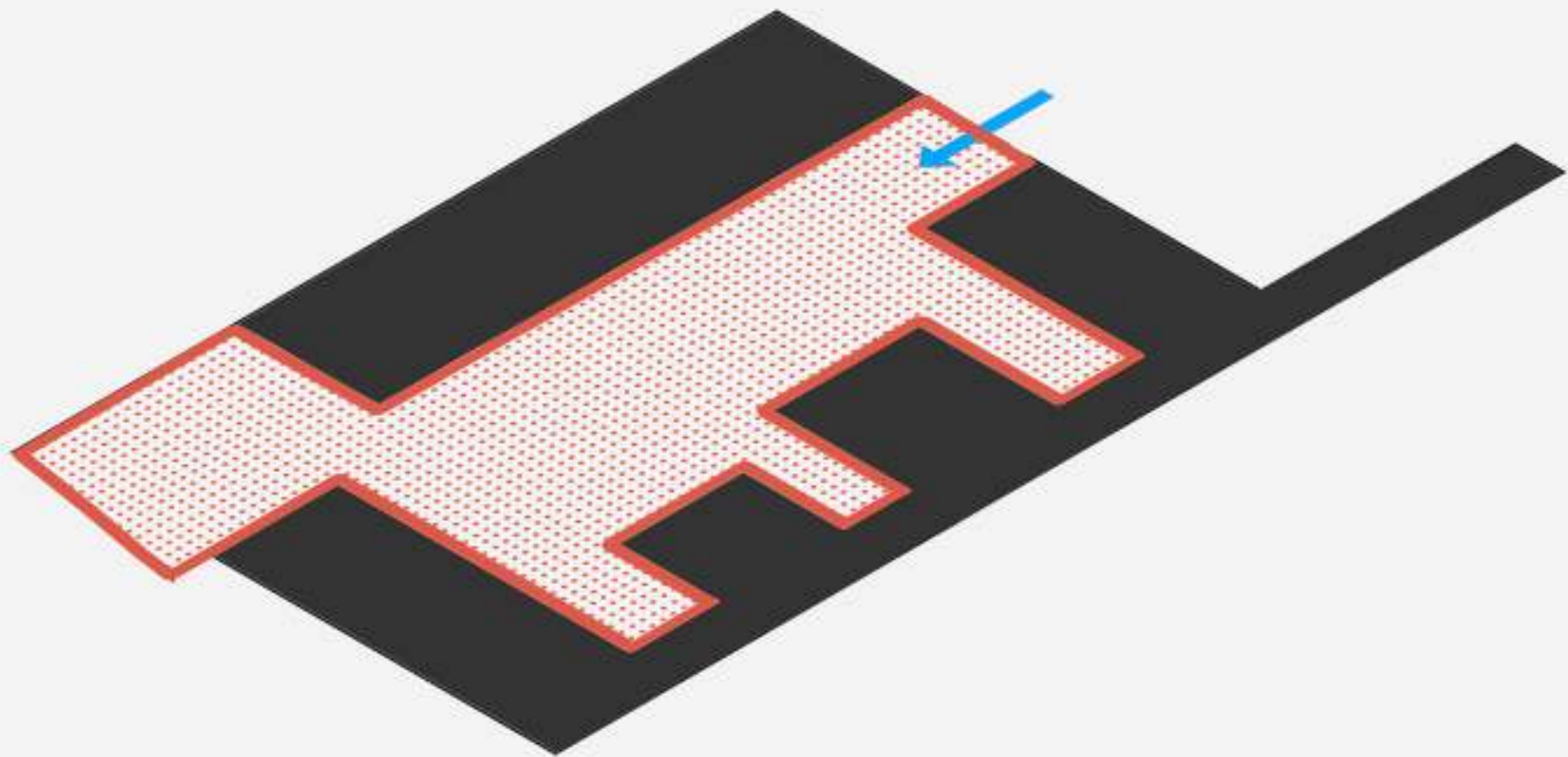




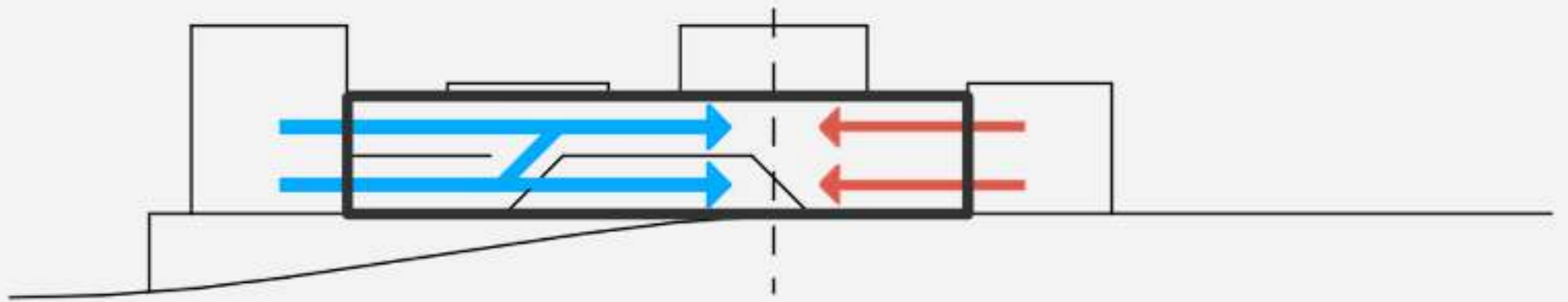


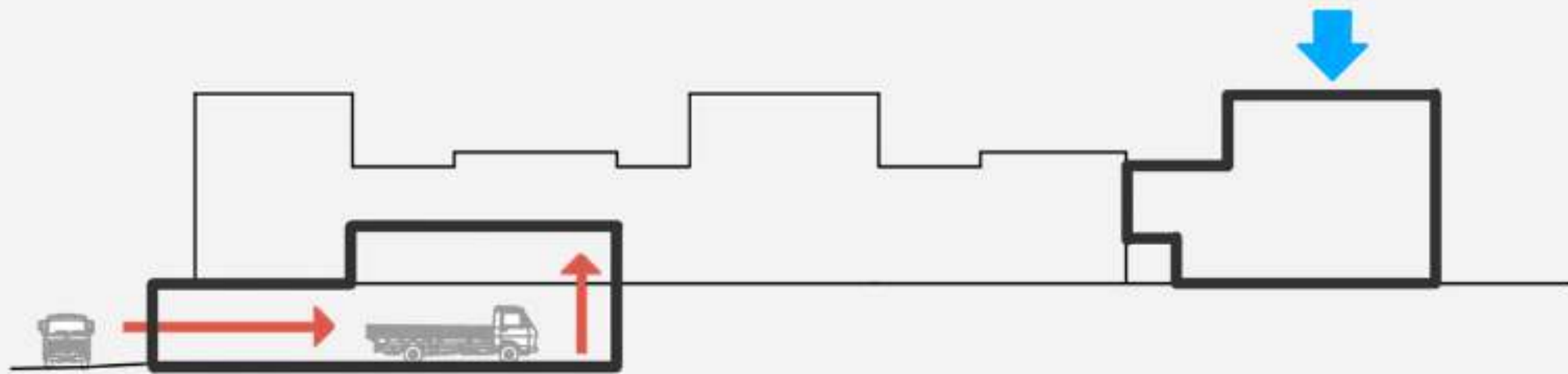
HEATING SYSTEM  
VENTILATION SYSTEM  
RE-USE RAINWATER











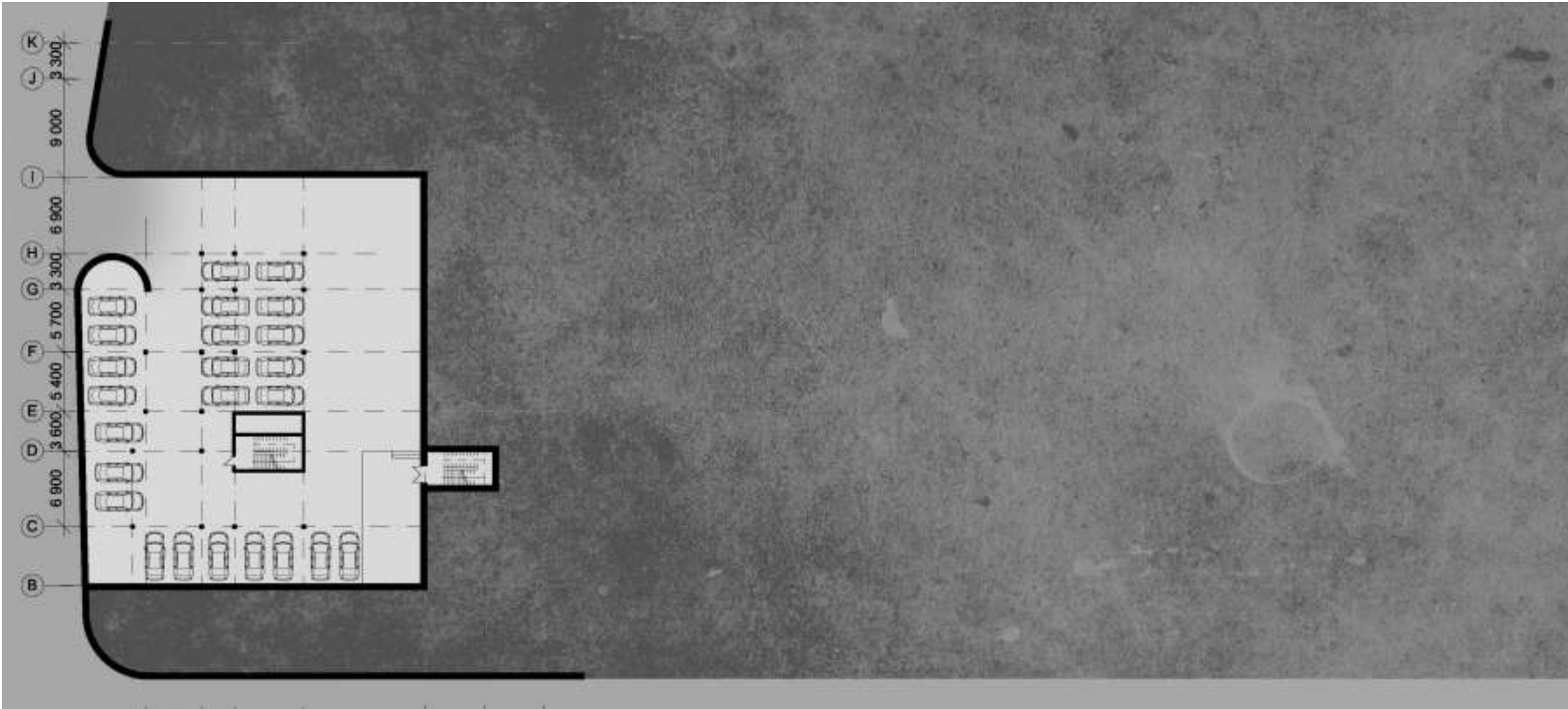


First level

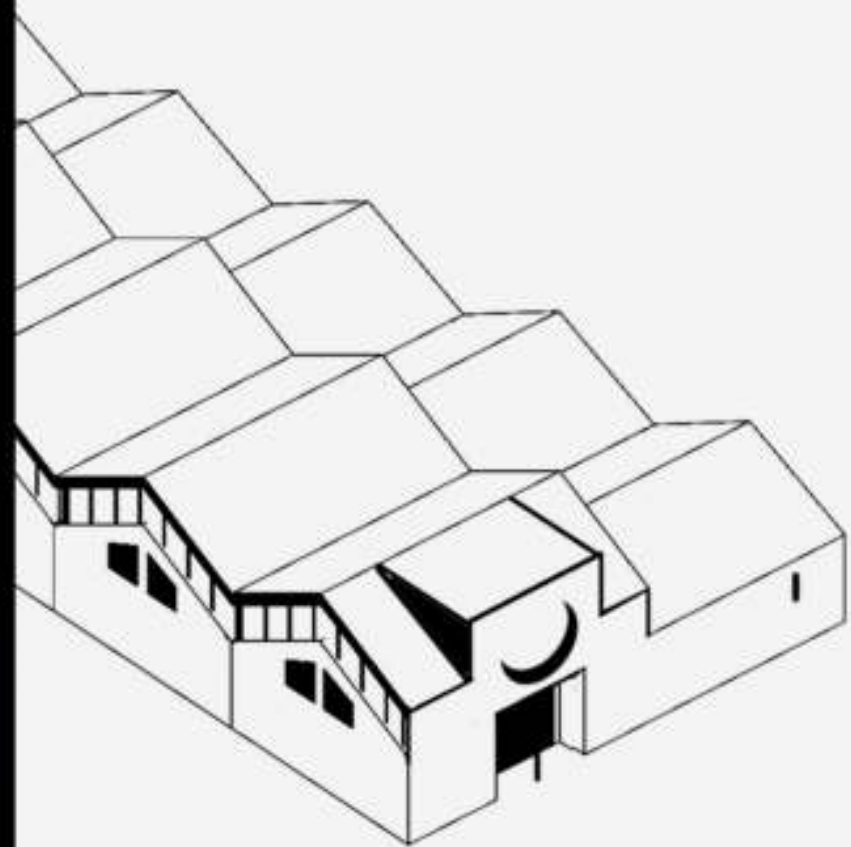


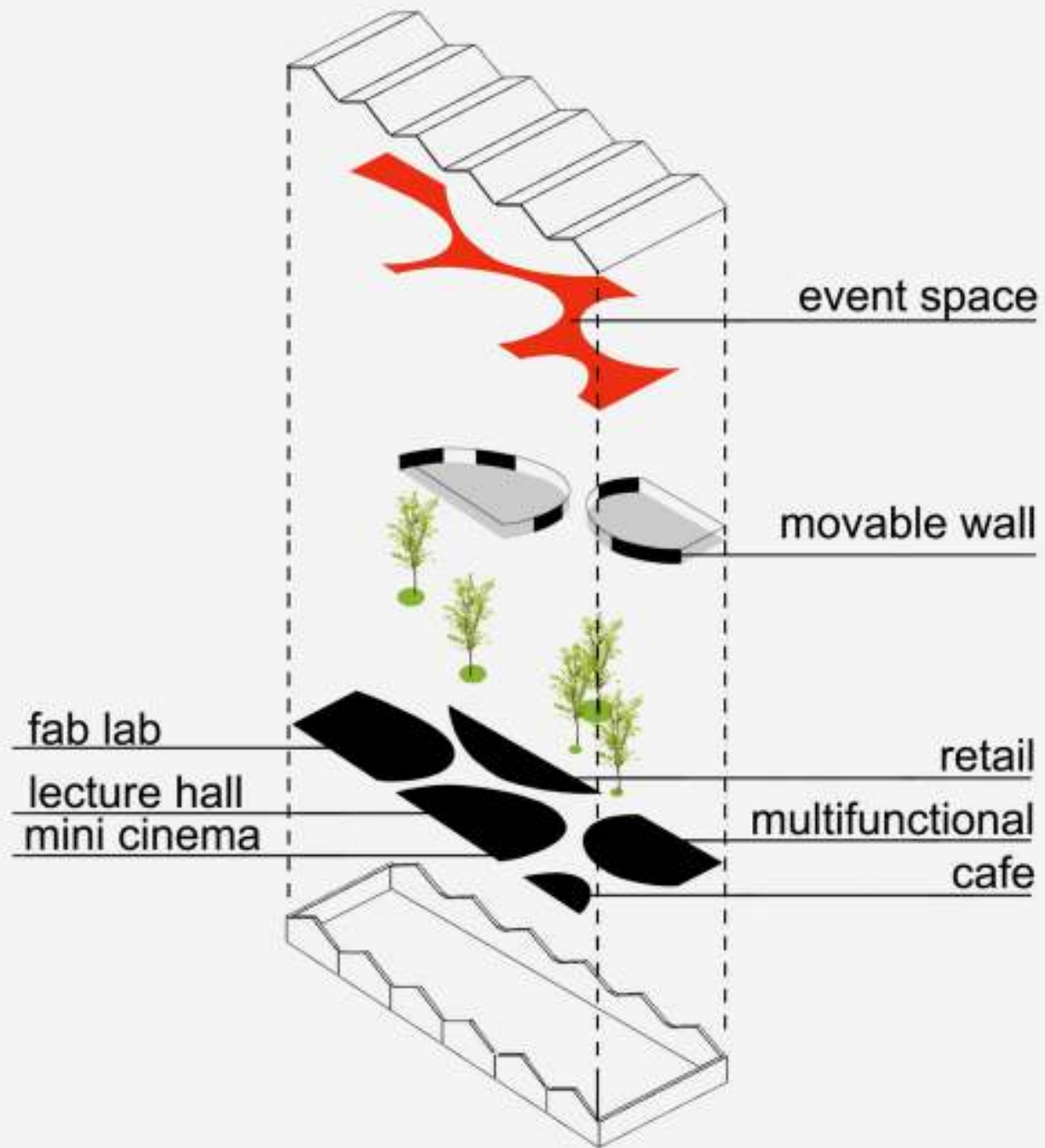
Ground level



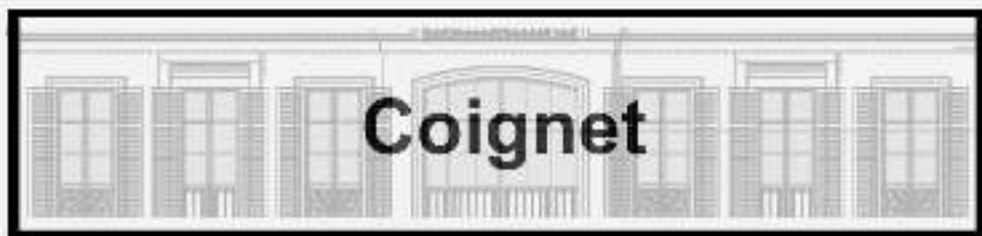


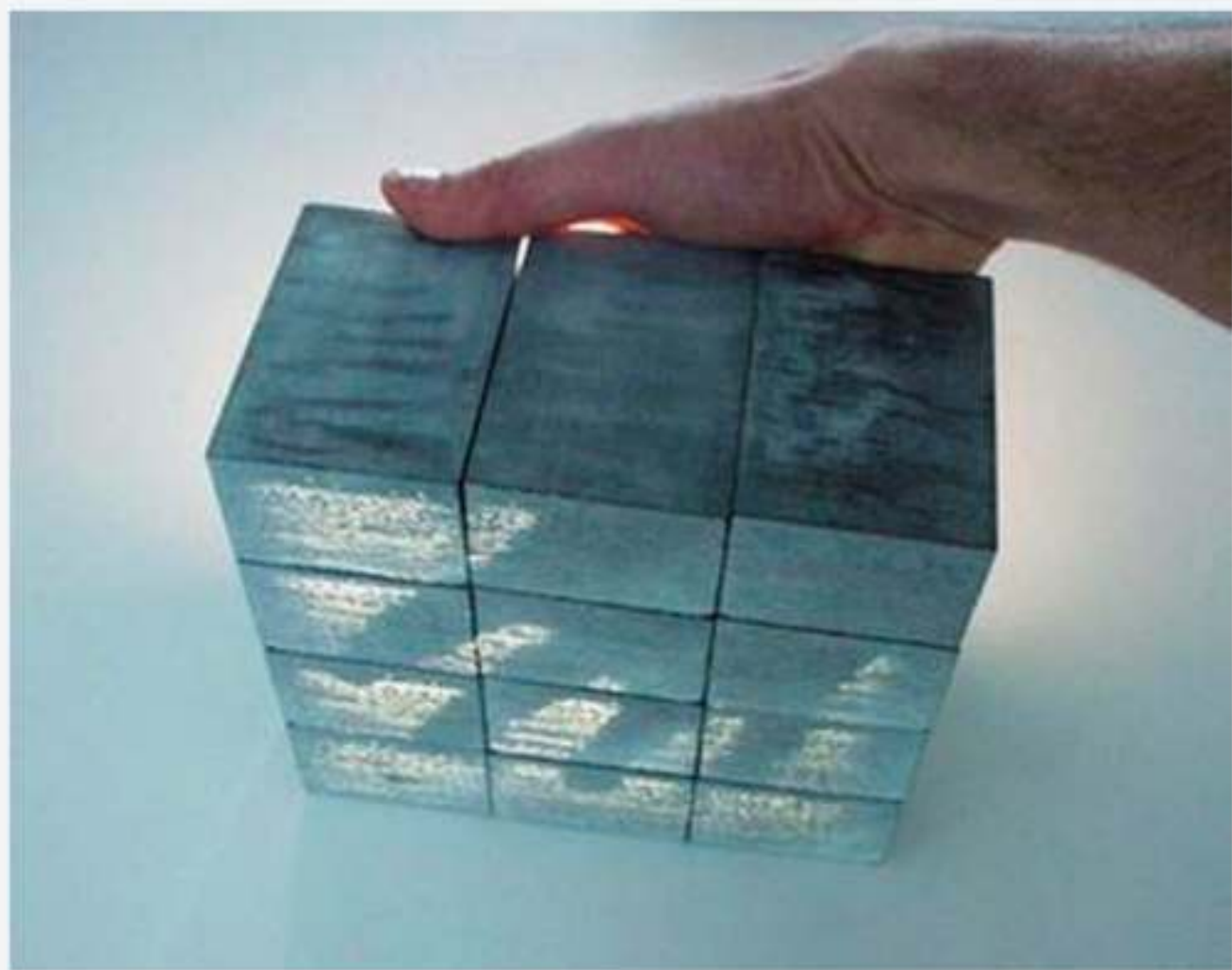












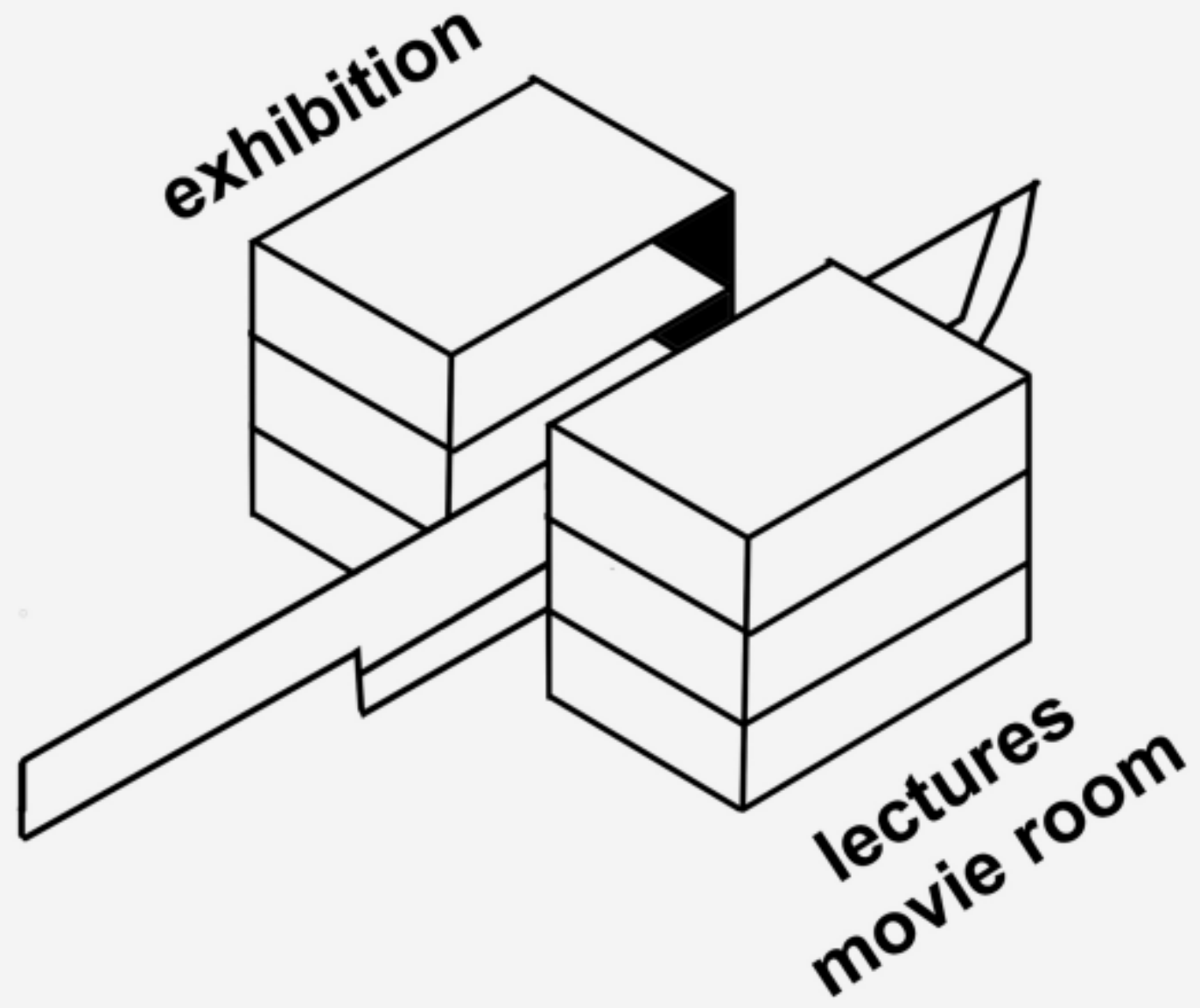


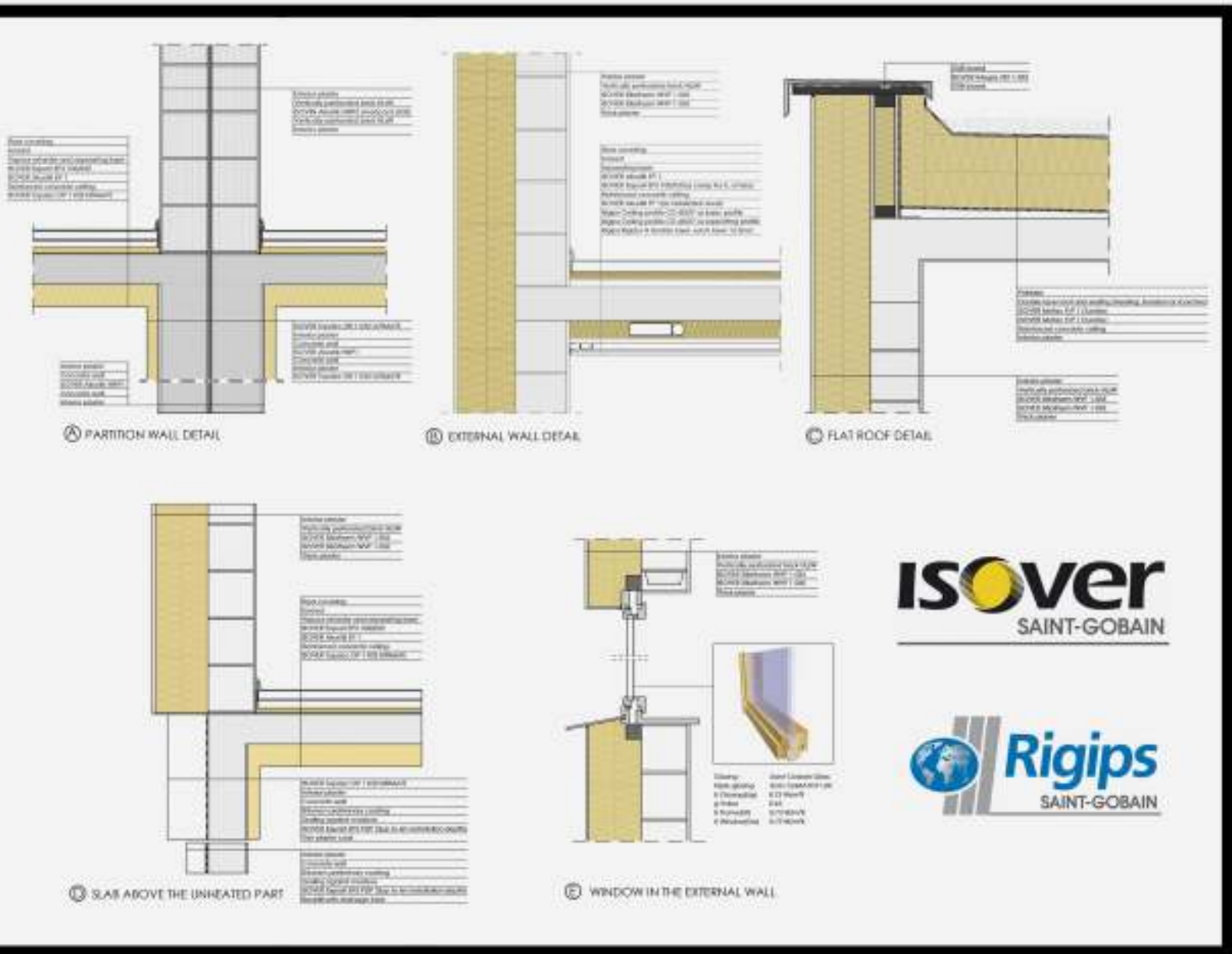
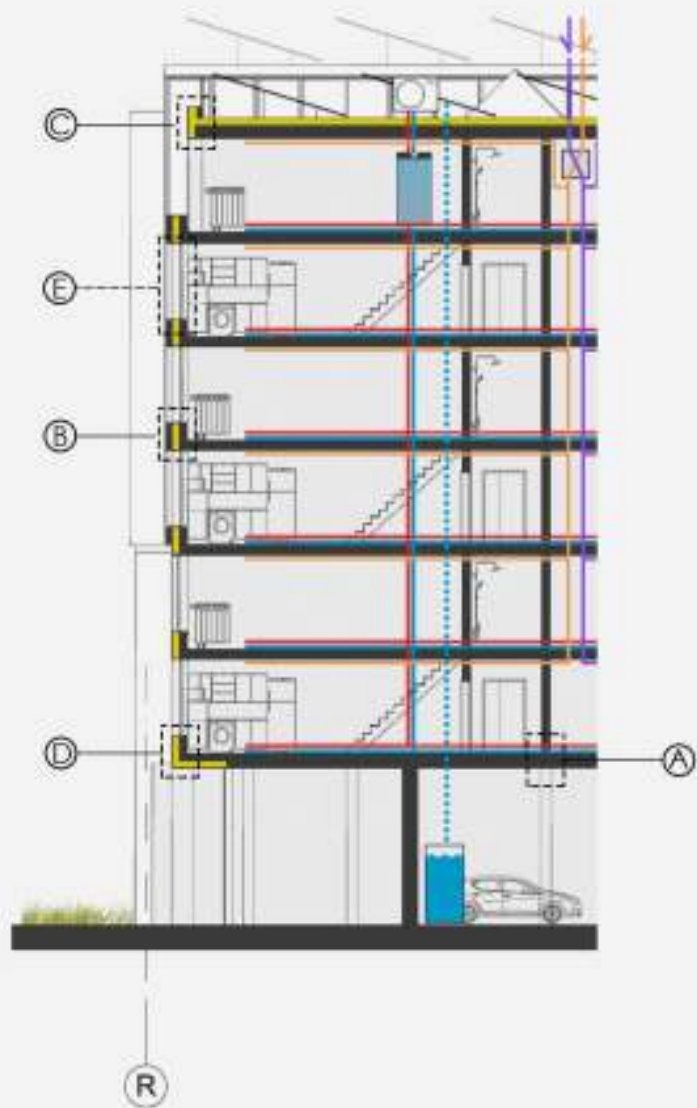
**Night**





**Day**





**ISOVER**  
SAINT-GOBAIN

**Rigips**  
SAINT-GOBAIN



### CALCULATIONS

#### Specific Heat Demand

Transmission Heat Losses:	18589.20 kWh/a
Ventilation Heat Losses:	11891.67 kWh/a
Total Heat Losses:	30480.87 kWh/a
Internal Heat Gains:	14080.72 kWh/a
Solar Heat Gains:	17106.95 kWh/a
Total Heat Gains:	29683.90 kWh/a
Annual Heat Demand:	4797.07 kWh/a
Specific Heat Demand:	3.42 kWh/(m <sup>2</sup> a)

#### Energy efficiency classes

