



**Politecnico
di Torino**

Tesi Meritoria

Corso di Laurea Magistrale Architettura Costruzione Città

Inside the Grid: Rethinking the Vela Celeste through rules, rhythms, and sequences

The thesis focuses on the regeneration of the Vela Celeste in Scampia through a parametric approach to architectural design.

Starting from an analysis of the site conditions, the study of the existing structure, and the identification of both critical issues and strengths, a methodology was developed to address one of the Vela's main problems: spatial distribution.

The parametric tool, through the dynamic control of parameters and spatial relationships among design elements, enabled the simultaneous development of different scenarios for the Vela. These scenarios vary in the relationship between served and servant spaces, offering spatial configurations that respond to different functional requirements.

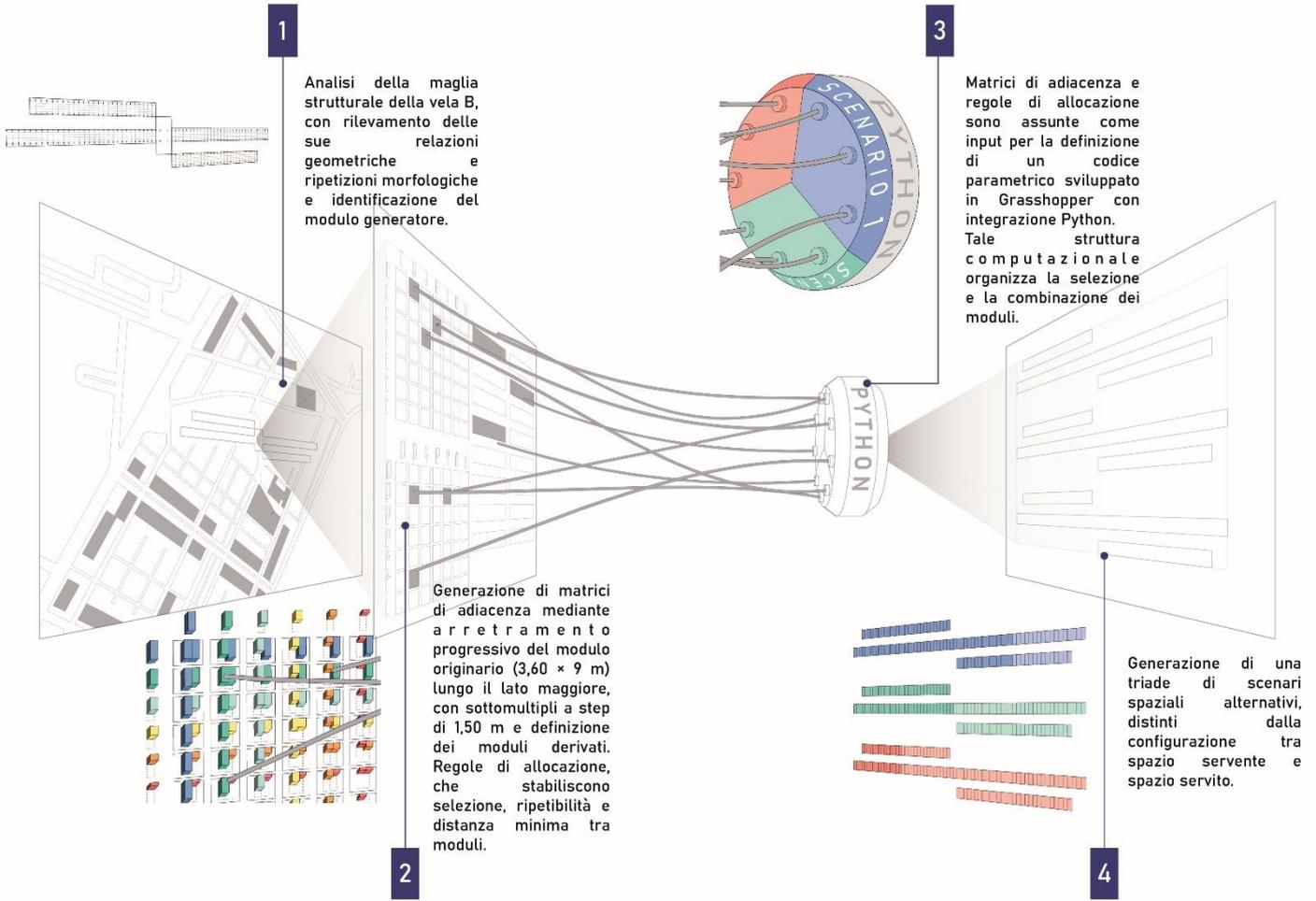
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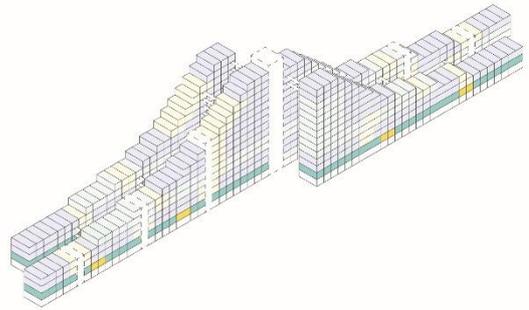
Dicembre 2025



SCENARIO 1



Lo "Scenario 1" mira a massimizzare lo spazio servito. Per questo adotta moduli con arretramenti minimi e una gamma tipologica volutamente ridotta: pochi moduli, ripetuti in sequenze ricorrenti, così da ampliare la superficie utile e garantire una distribuzione omogenea.

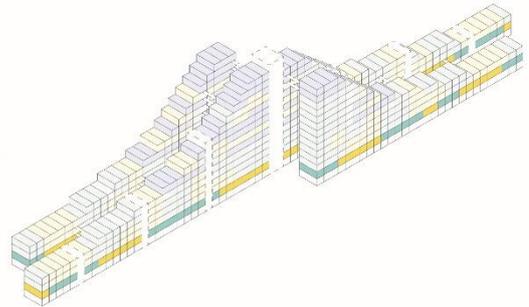


SCENARIO 1

SCENARIO 2



Lo "Scenario 2" ricerca un assetto più equilibrato tra spazio servito e spazio servente. La scelta dei moduli resta contenuta, ma quelli con arretramenti più rilevanti assumono un ruolo prevalente, mentre quelli con arretramenti minori diventano secondari.

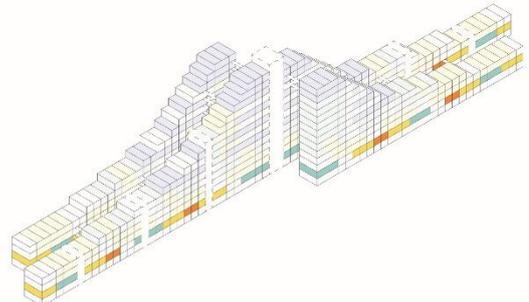


SCENARIO 2

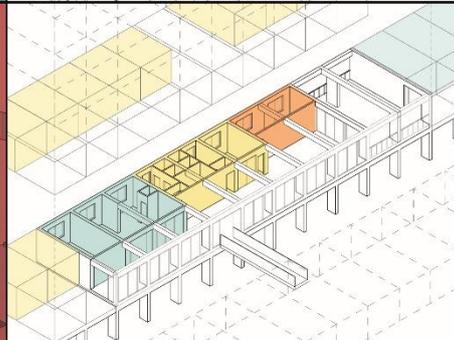
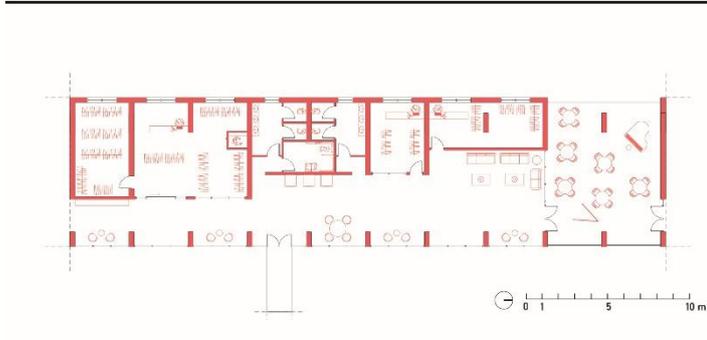
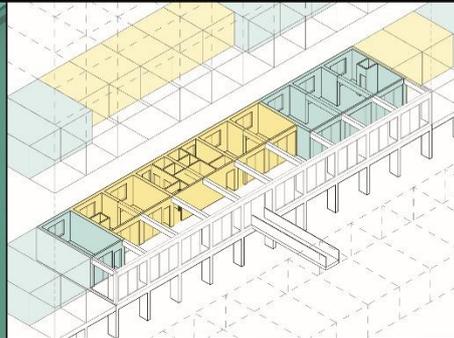
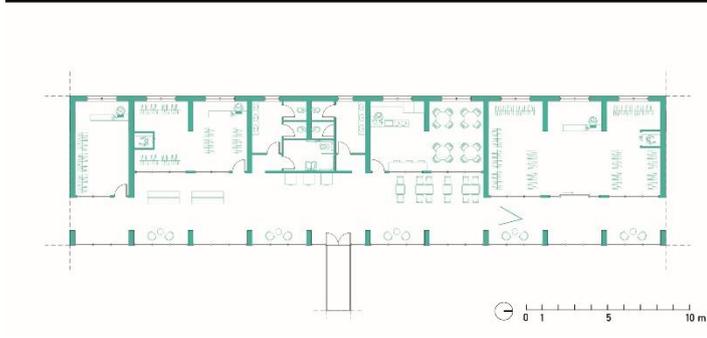
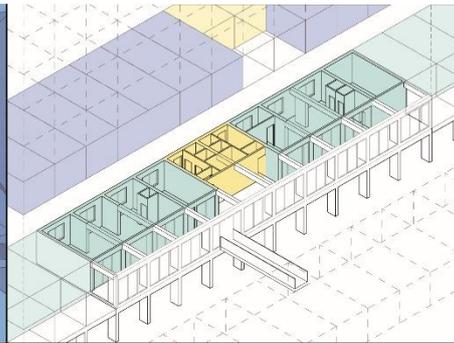
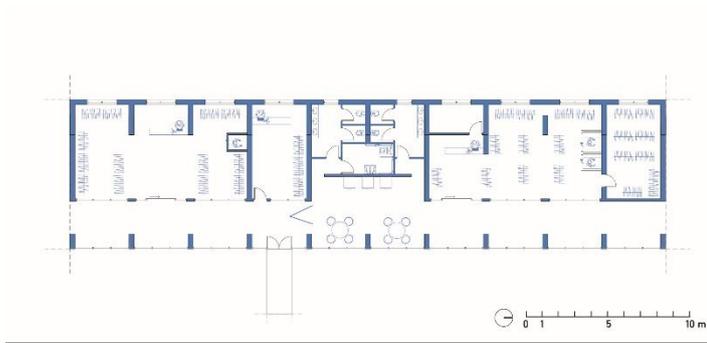
SCENARIO 3



Lo "Scenario 3" amplia significativamente la libreria dei moduli. L'impiego di un numero maggiore di tipologie, in cui i moduli con arretramenti più consistenti assumono un ruolo centrale, permette di ottenere una planimetria più flessibile e dinamica.



SCENARIO 3



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