

10-1-2019

Domus Commune: Modular Flexible Co-Housing in Rome

Sean Boud

Kean University, bouds@kean.edu

Follow this and additional works at: <https://digitalcommons.kean.edu/keanquest>



Part of the [Architecture Commons](#)

Recommended Citation

Boud, Sean (2019) "Domus Commune: Modular Flexible Co-Housing in Rome," *Kean Quest*. Vol. 2 : Iss. 1 , Article 3.

Available at: <https://digitalcommons.kean.edu/keanquest/vol2/iss1/3>

This Article is brought to you for free and open access by Kean Digital Learning Commons. It has been accepted for inclusion in Kean Quest by an authorized editor of Kean Digital Learning Commons. For more information, please contact learningcommons@kean.edu.

Domus Commune: Modular Flexible Co-Housing in Rome

Completed by

Sean Boud, B.A. Architectural Studies, Kean University Class of 2020

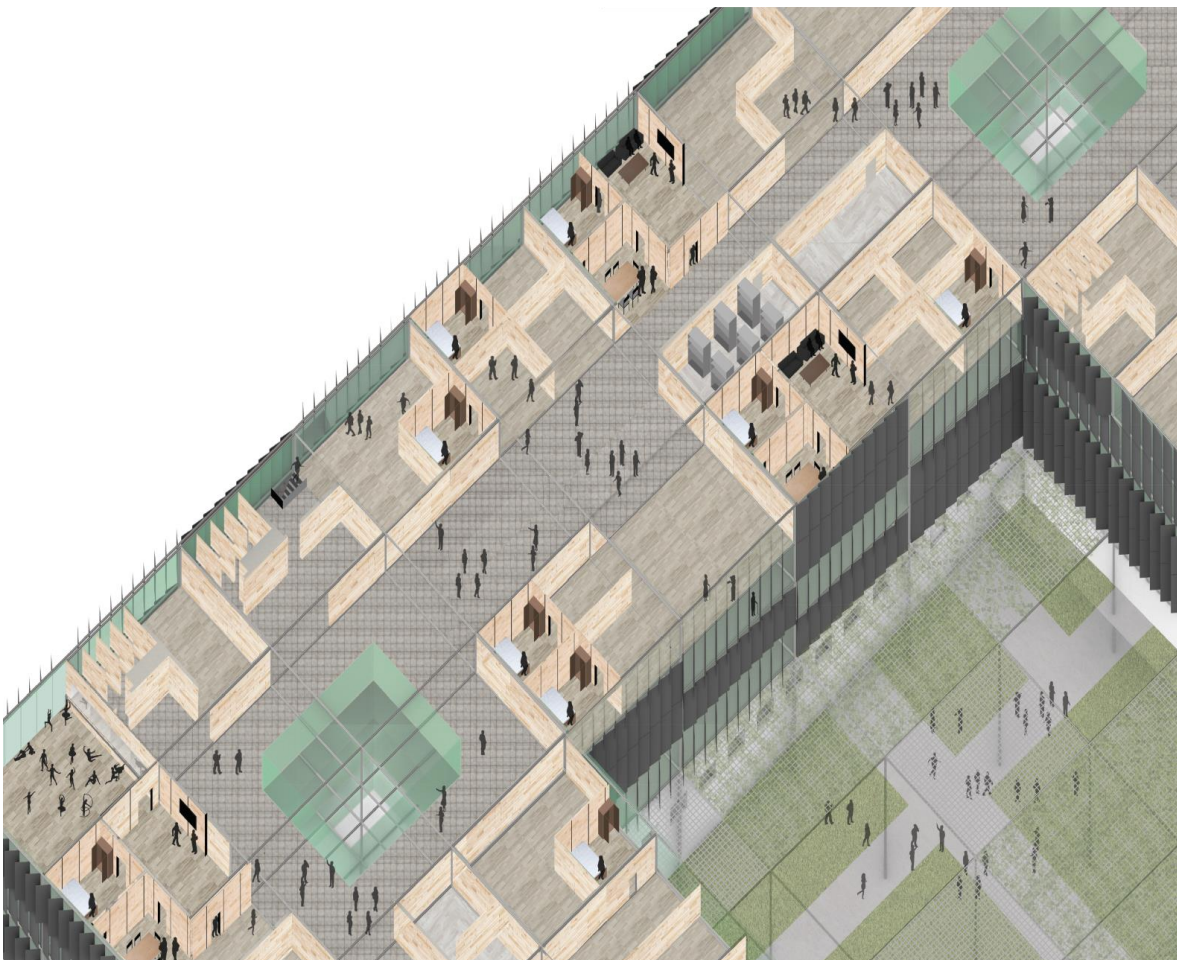
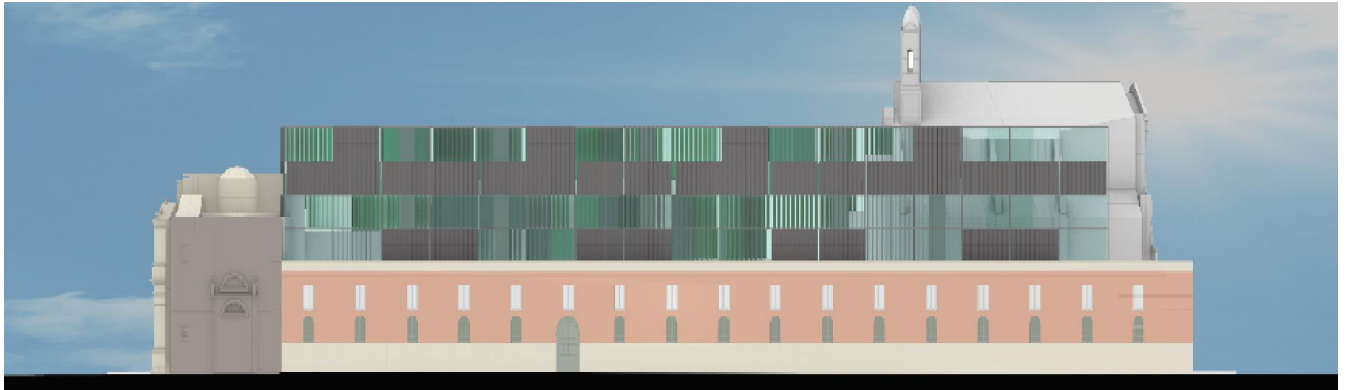
with

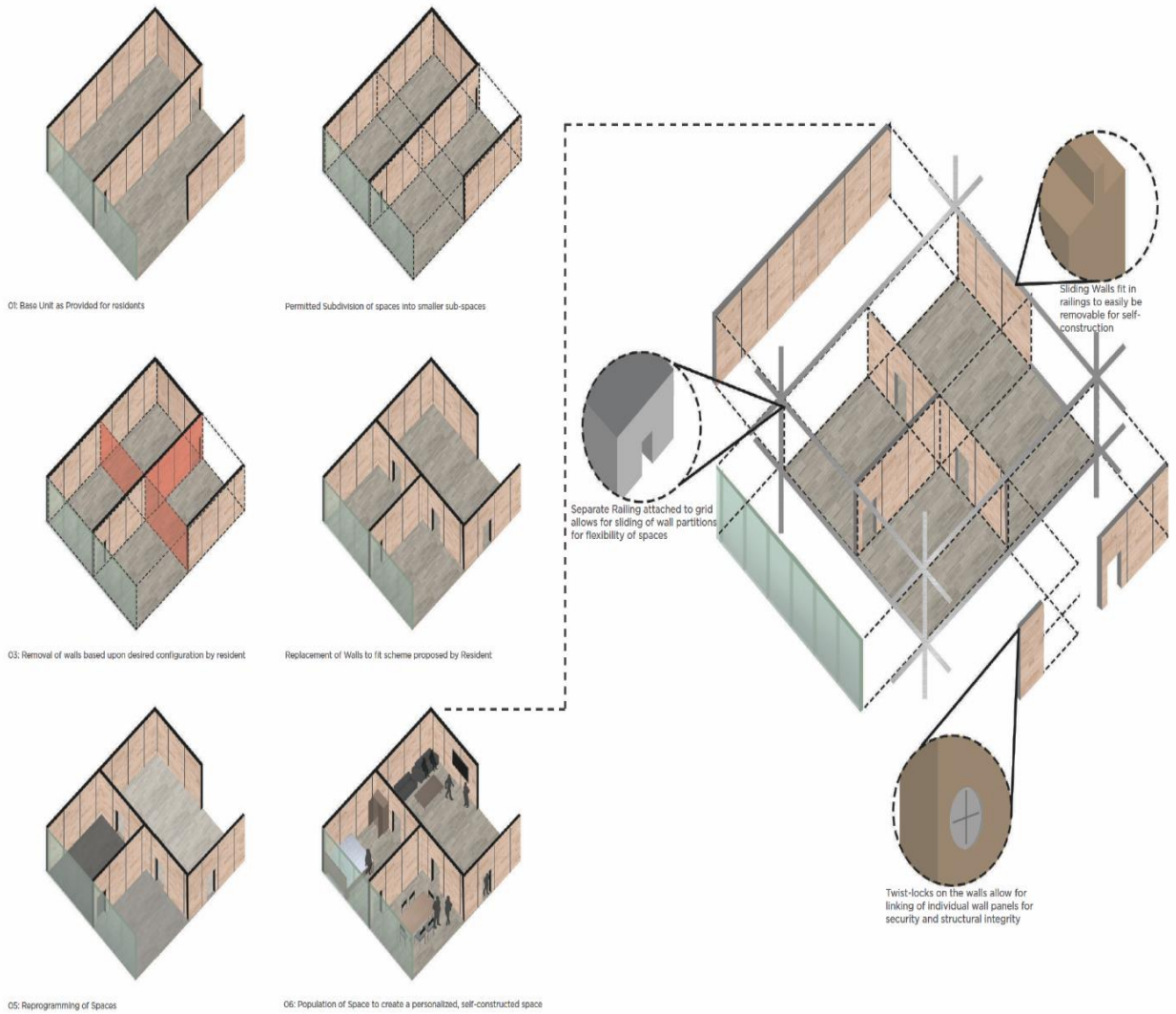
Camille Sherrod, M.Arch., Kean University

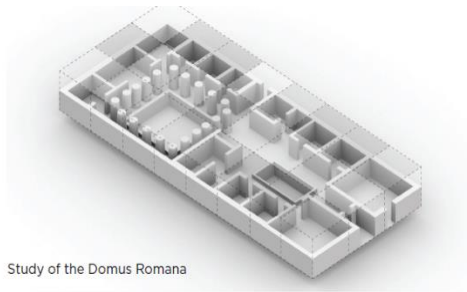
Keywords: affordable housing; Rome; multi-purpose living space; self-construction; community

Foreword

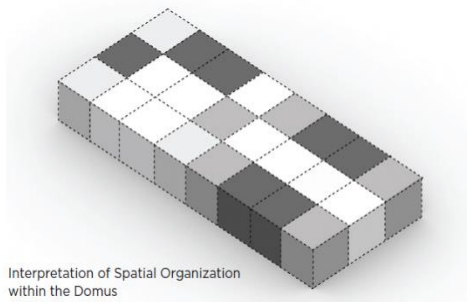
This project was developed from the desire to create affordable housing in Rome, as well as address the issue of the large quantity of uninhabited buildings in the city. An abandoned hospital was used as the base to inform the design of a new building system, creating a multi-purpose living space sited on the outline of the original building. This living space is constructed within a three-dimensional steel grid which overlaps the exterior of the hospital and builds off of it as a way to respond to the architecture of Rome. The core element of this project is self-construction. This is a system in which residents can design their own living spaces to best suit themselves, as well as their neighbors. Guided by the creation of a set of rules for construction, this model guides residents on how to build within. This creates a sense of community, and the way in which residents can choose to open or close of spaces allows that community to be by choice. This allows for variation in the interior appearance, as walls can be erected or removed, and spaces can be opened or closed off. Because of the system of construction, which uses the steel grid as a base with slots or tracks, walls can slide in and connect with the base structure, all of which is elevated above the hospital. This allows residents to customize their space within the grid to encourage collective living and community through the structure of the new building.



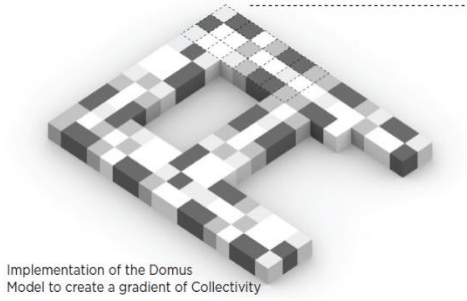




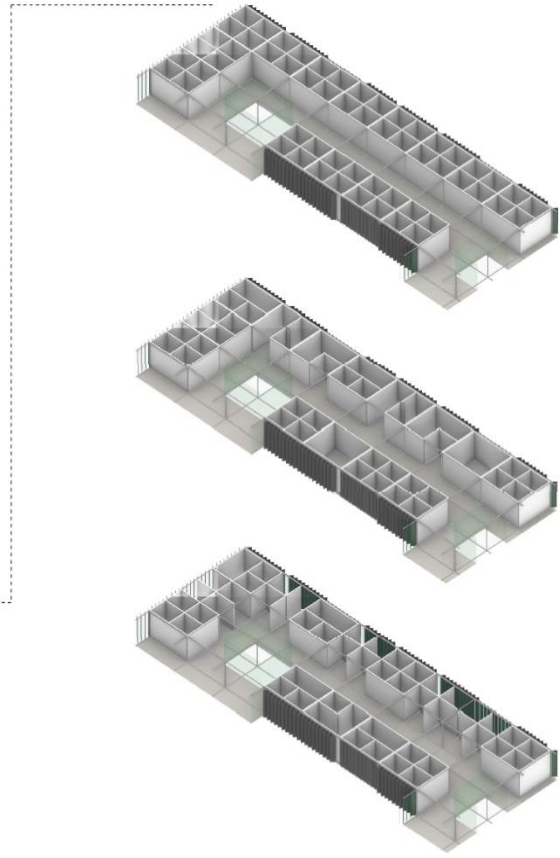
Study of the Domus Romana



Interpretation of Spatial Organization within the Domus

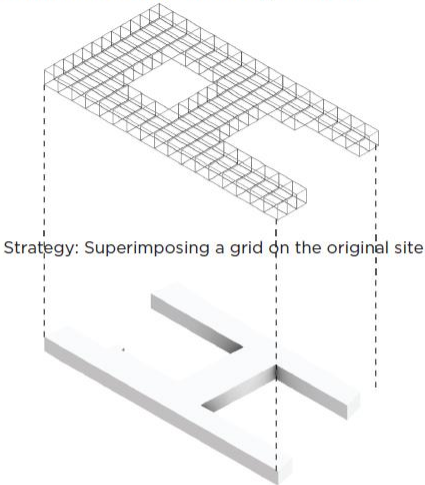


Implementation of the Domus Model to create a gradient of Collectivity



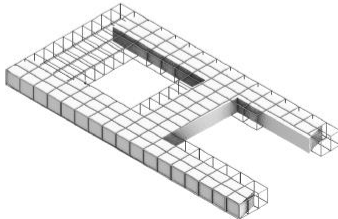
**Domus Commune:
Modular Flexible Housing in Rome**

The primary strategy for this project was creating a formal set of logical rules for design and construction, which would be implemented to create an efficient collective living space that does not take away from its context, but creates an innovative system of flexible spaces.

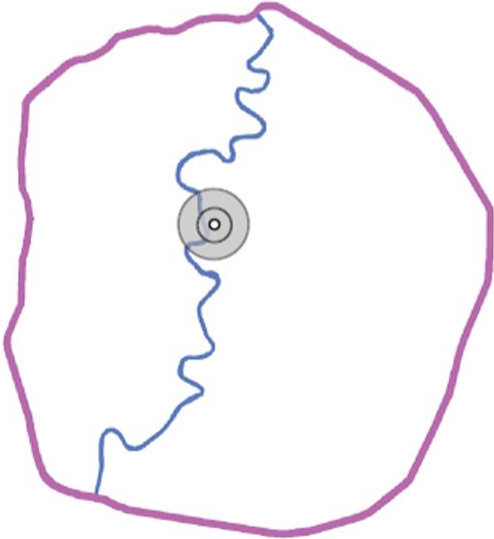


Strategy: Superimposing a grid on the original site

Original Site: San Giacomo Hospital [Via Del Corso]



Superimposition of grid over original site



Rome Map: Project Site