



Village Matteoti is a neighbourhood located in Terni Italy. The town economy is "anchored based on the establishment of the Società degli Altiforni, Fonderie e Acciaierie di Terni (SAFFAT)," the first major Italian steel company. DURING THE 1950S THE DISTRICT COMMITTEE CLAIMED THE MAINTENANCE OF THE HOUSES AND ENVISIONED A REGULATORY PLAN IN 1960 THAT AIMED TO INCREASE DENSITY OF THE MATTEOTTI NEIGBORHOOD FROM 0.6-0.7 M3 / M2 TO 3M3 / M2. A couple of years later, the Board of directors of Terni decided not to sell the homes in this neighborhood, as originally intended, TO AVOID REAL ESTATE SPECULATION.

The project was eventually commissioned in the early 1960s by the Società Terni for workers in its steel mills and funded by the European Coal and Steel Community (ECSC) administered by GESCAL to Architects Giancarlo De Carlo, Valeria Fossati-Bellani, and Fausto Colombo were to rethink the old Villaggio.

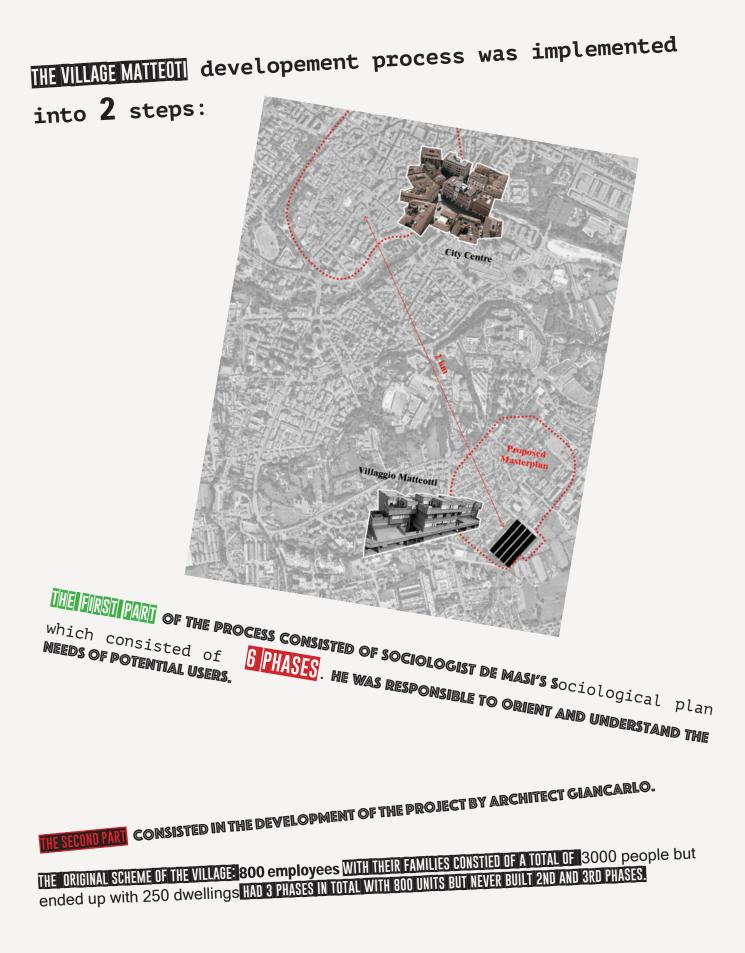
In July the architect **delivers five solutions alternatives to rebuild the neighborhood**. The first three were building typologies already adopted by the company which consisted of slab housing and towers. The last two, were **innovative solutions** with a **low-rise**, **HIGH-DENSITY** scheme.



In fact, users were drawn by the pristine and impenetrable image of private properties making it difficult to see the individual and collective advantages of these new models.

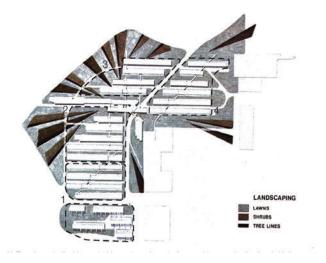


Eventually, the company boss went with the last urban scheme and ACCEPTED Giancarlo's PARTICIPATORY ASPECT.

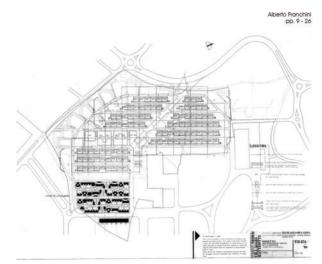


GIANCARLO DI CARLO 'S PRELEMINARY APPROACH TO PARTICIPATORY PLANNING





PACELITY LOCATION PAGE EXTENTION FACILITES INCIDENTION FACILITES



Giancarlo di Carlo Initial Plan of villagio matteotti

The urban scheme proposed by the architect at the beginning of the interviews and discussions consisted of parking lots and warehouses / trateros and a set of houses arranged in parallel on three floors, each alignment facing a green area on one side, and on the another to a track towards the parking lots under the block,

Although it is not clearly recognizing in the constructed building both the urban and architectural scale are regulated in detail based on a grid in plan and elevation (figure above) The plot allows the architect to ealsy change the housing depending on users future needs using parameters established from the beginning.

Load-bearing walls mark the boundaries of the alignments with custom fronts, manipulating the larger scale and relativizes the choice of details by the users, by establishing a housing module, which regulates from the floor to the facade.

EXPLORATION OF THE <mark>Participatory aspect</mark> in the planning of thew villaggio Matteottii through de masi 's <mark>6 phases</mark> plan



THE <u>Second Phase</u> consisted of gathering general information on users of the New Neighborhood.

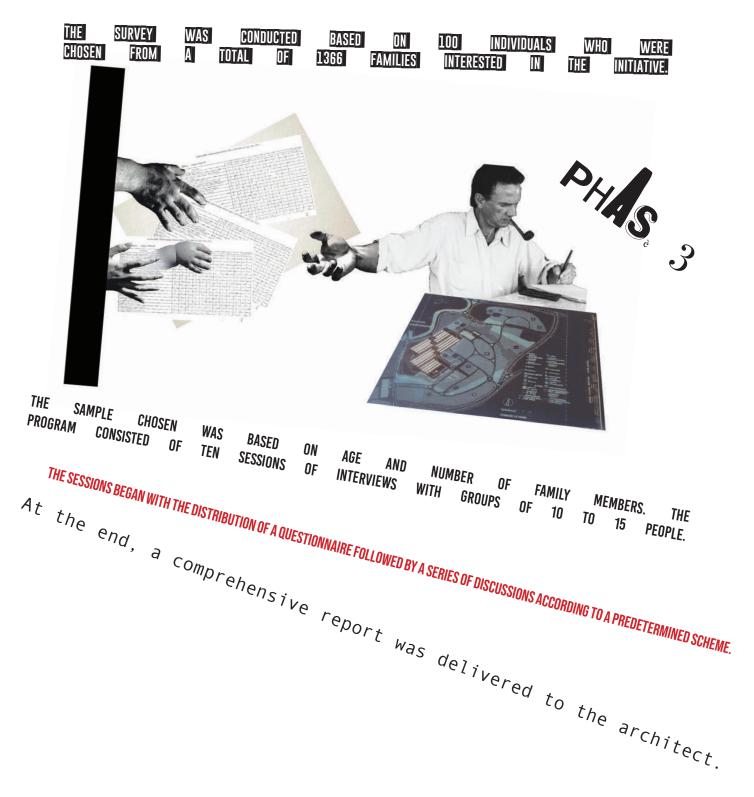
The Terni company decided that potential users must be current residents of the neighborhood, specifically families working for the company or who are already living in houses owned by the company.

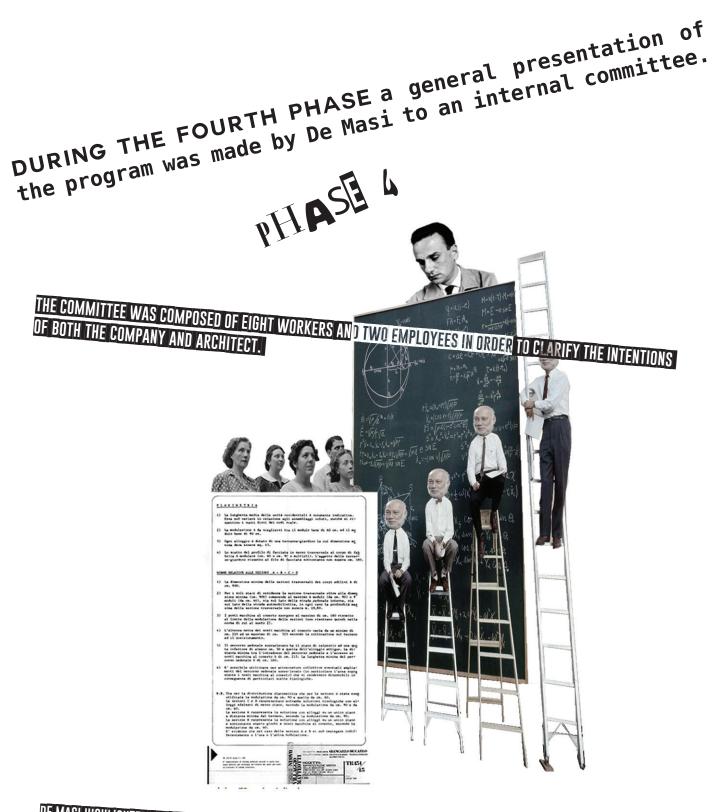


THE RESULTS REVEALED THAT 62% OF, FAMILIES WHO HAVE APPLIED FOR A HOUSE, ARE UNDER FORTY YEARS OF AGE.

ACCORDING TO MASSI this information was important as family will be likely to expand grow compared to older families which may be considered more PHASE 2 stable.

The third phase consisted of meetings with some of the potential residents to conduct a survey related to planning problems and urban issue in order to provide a clear understanding between residents needs and the architect's principles.





DE MASI HIGHLIGHTED THE IMPORTANCE OF SOCIAL AMENITIES AND COMMERCIAL AREAS IN THE MAKING OF LIVELY NEIGHBORHOOD.





The 6TH and AST PHASE was an open exhibiton open to the pulic to discuss the design.the exhibition took place at the galleria poliantea in terni's city center.

DE CARLO MADE A LIST OF ABOUT FORTY BUILDINGS FROM DIFFERENT COUNTRIES, ALL OF THEM FOLLOWING THE CONCEPT OF LOW, RISE HIGH, DENSITY HOUSING.

None of the examples were Italian because this **typology was not used in**

From the list, full of English examples, Cesare De Seta, a Neapolitan architect in charge of the exhibition, **SELECTED FOUR EXAMPLES THAT WERE PRESENTED THROUGH**

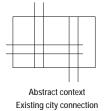
These sheets were designed to convince people about the communal architectural qualities of the projects, presented with titles and texts detailed in a straightforward understandable way.

The strategy fuctionned **as a mean to win to win over workers** in relation to the scheme by educating them on comunel aspects of architecture

PART 2 DEVELOPMENT OF THE PROJECT BY ARCHITECT GIANCARLO. From this point on , the allocation of the houses and PARTICIPATION OF POTENTIAL USERS WAS EXCLUDED, the user no longer had a say in the urban scheme, or development of the work

"Participation does not consist at all in satisfy what users want, but in modifying the architecture so that responds to thier real wishes." GIANCALO DE CARLO

PRELEMENARY DESIGN SCHEME HIGHLIGHTED BY GIANCARLO





Pedestrian streets



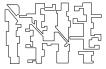
Services



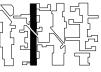
"Street in the sky"

Green Corridor

Courtyards & Streets



Cluster Urban morphology Low-rise high desnity

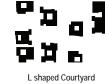






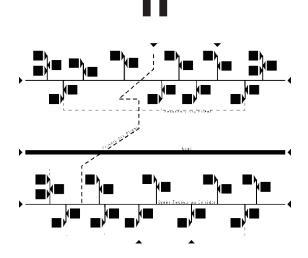
Intermediate spaces





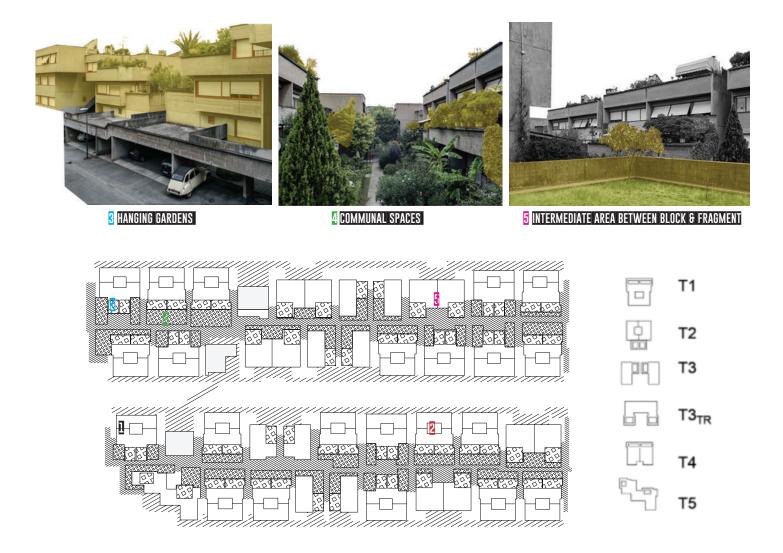


Private space Housing 6 Diffrent configurations



Street Superpostion

DESIGN PRINCIPLES HIGHLIGHTED BY GIANCARLO





1 STREETS IN THE SKY

2 SEPERATION BETWEEN CARS AND PEDESTRIAN

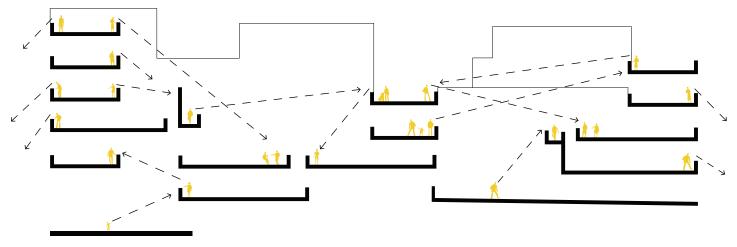
VISUAL CONTROL & SPATIAL EXPERIENCE









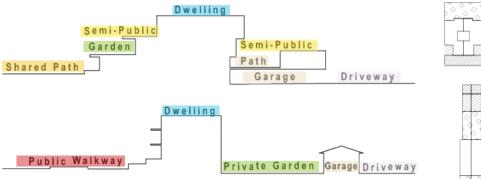


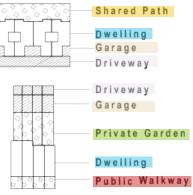
CROSS SECTION

COMAPRISION TO CONTEMPORARY TORONTO MASTERPLAN



VILLAGE MATTEOTI ITALY









INFLUENCE AND DISSEMINATION



ODHAM'S WALK (1979)

Odham's Walk is a mat housing project that was constructed in London, UK, approximately 10 years after the development of Villaggio Matteotti. Although the project is configured differently due to its varying contextual conditions, Odham's Walk holds a strong resemblance with Giancarlo De Carlo's 5 design principles.



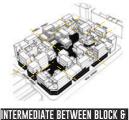
NINE DRAGON HOUSING COMPLEX (2011)

Nine Dragon Housing Complex is a contemporary derivation of Villaggio Matteotti. Proposed in Suizhong, China, the project envisions high density dwellings that is weaved through a series of communal spaces. It strongly promotes high quality pedestrian experiences and the establishment of a sense of community.





COMMUNAL AREAS



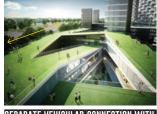


SEPARATE VEHICULAR CONNECTION WITH The City



STREET IN THE SKY





SEPARATE VEHICULAR CONNECTION WITH The City



MIX OF HIGH-RISE AND MID-RISE WITH High density

The greatest influential factors of Villaggio Matteotti are the mat housing principles, pedestrian prioritization and the integration of communal spaces to housings. Mat housing architecturally reflects on the various relationship: individual and collective, public and private, between the city and home. The reconstitutions of the relationships result dynamic spatial compositions that can elevate one's well-being. The project also engenders the pedestrian-oriented network in a residential area, where vehicular accesses are limited and prevents unnecessary mixing of the two entities that degrade the quality of the inhabitants. Moreover, within these secluded residential area, Villaggio Matteotti encourages communal spaces that could be shared to enhance the experiences of the dense units.

Work Cited

Mat-hybrid housing: Two case studies in Terni and London

Source: https://www.researchgate.net/publication/326408667_Mat-hybrid_housing_Two_case_studies_in_Terni_and_ London

View: obituary - GIANCARLO DE CARLO 1919-2005

Source: https://www.architectsjournal.co.uk/archive/giancarlo-de-carlo-1919-2005

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Minimum Documentation Fiche 2003

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Source: https://books.google.ca/books?id=9cmXCwAAQBAJ&pg=PT293&lpg=PT293&dq=villaggio+matteotti+inhabitant+interview&source=bl&ots=l3sPc_YUxq&sig=ACfU3U1xaxl186dalh9yYJmbfOK-by_7UQ&hl=en&sa=X&ved=2ahUKEwiF4NqLkK3sAhVBiOAKHYdCB5IQ6AEwD3oECAcQAg#v=onepage&q=villaggio%20matteotti%20inhabitant%20interview&f=false

Villaggio Matteotti

Source: https://beyond-expression.com/3_2020_qd2_caso-de-estudio-3_-villaggio-matteoti_-participacion_mat-housing_arq-g-de-carlo/

Matteotti Neighbourhood

Source: https://www.atlantearchitetture.beniculturali.it/en/quartiere-matteotti-terni/



Villaggio Matteotti: Urban Scale Axonometric Drawing Giancarlo De Carlo | Terni | (1964)

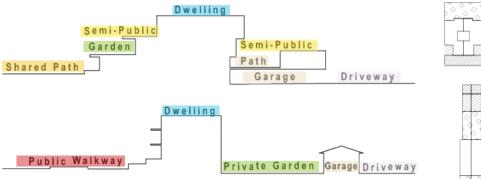
Eric Jung - Michel Saleh - Jim Kurt Ereño - Yixin Yang

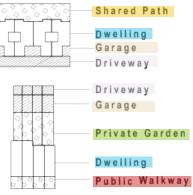
The urban scale axonometric drawing explores the spatial, circulatory and pragmatic aspects highlighted in the overall scheme proposed by Giancarlo De Carlo. The Vehicular and pedestrian movement are clearly divided, pedestrian circulation is characterized by (public) pedestrian paths on grade and semipublic (streets in the sky) that connect extended communal facilities located at 35m interval.

COMAPRISION TO CONTEMPORARY TORONTO MASTERPLAN



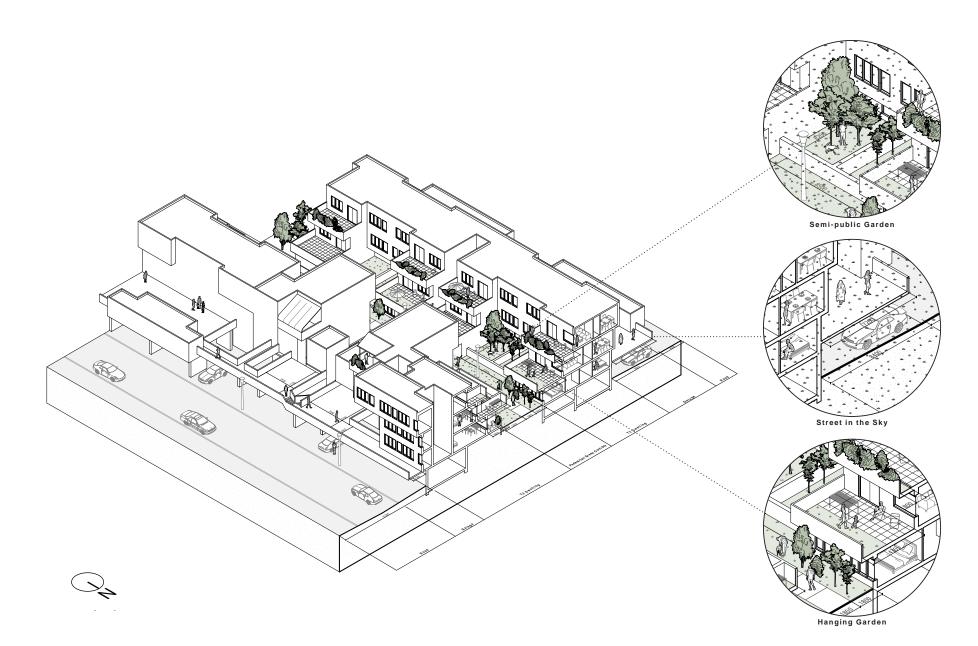
VILLAGE MATTEOTI ITALY









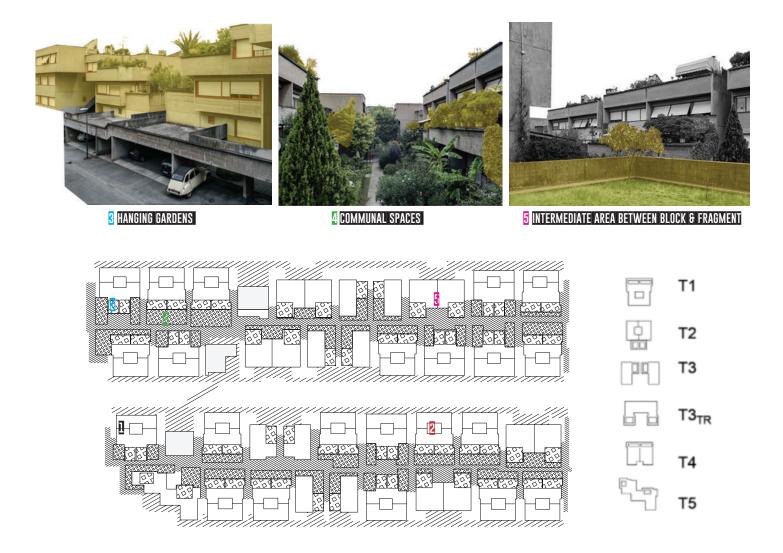


Villaggio Matteotti: Block Section Axonometric Giancarlo De Carlo | Terni | (1964)

Eric Jung - Michel Saleh - Jim Kurt Ereno - Yixin Yang

The cross-sectional block axonometric drawing explores public-private and communal spatial relationships by examining how an interplay between surface textures, vegetation and topography are used to create "threshold spaces" between households and circulatory corridors (Vehicular, Pedestrian walkway/corridor and streets in the sky).

DESIGN PRINCIPLES HIGHLIGHTED BY GIANCARLO





1 STREETS IN THE SKY

2 SEPERATION BETWEEN CARS AND PEDESTRIAN

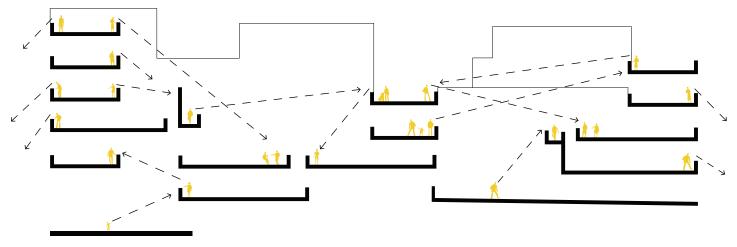
VISUAL CONTROL & SPATIAL EXPERIENCE



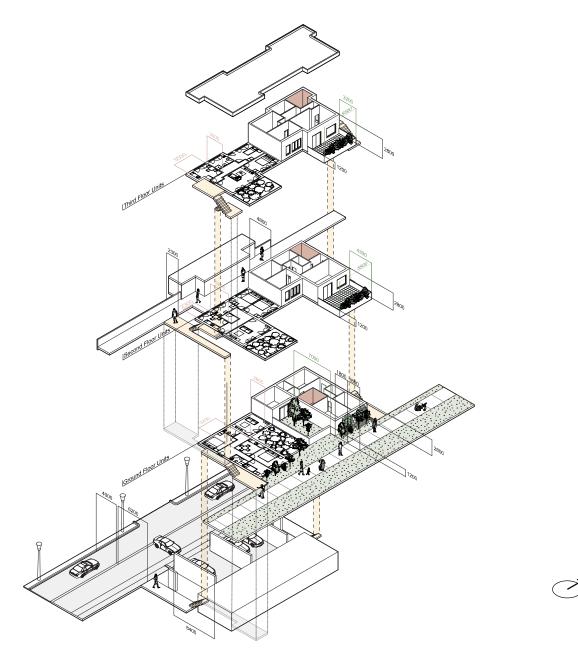








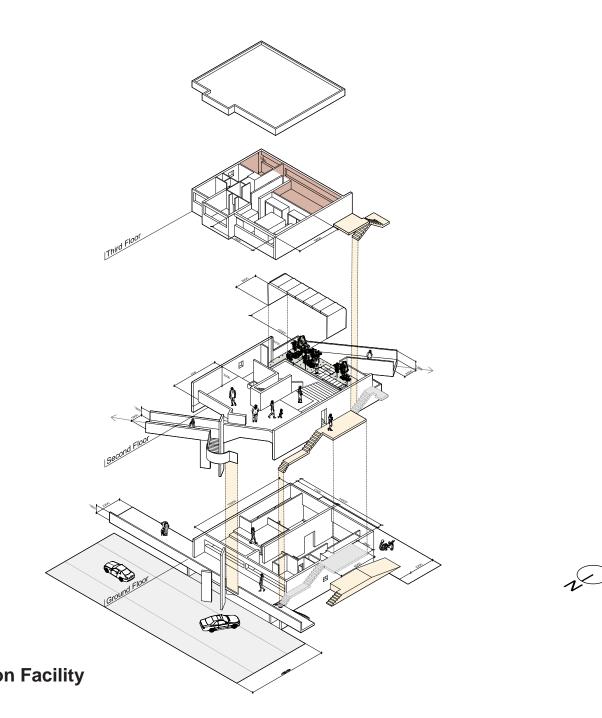
CROSS SECTION



Villaggio Matteotti: Unit Type Axonometric Giancarlo De Carlo | Terni | (1964)

Eric Jung - Michel Saleh - Jim Kurt Ereño - Yixin Yang

The exploded unit diagram examines the spatial organization of households and relationship to exterior circulatory corridors in a type 3 block. The block unit is composed of three floors, each floor has two identical units mirrored. The units are accessed by point access staircases located between two adjacent blocks. The diagram further examines the kitchen area relationship to the overall household.



Villaggio Matteotti: Home Extension Facility Giancarlo De Carlo | Terni | (1964)

Eric Jung - Michel Saleh - Jim Kurt Ereño - Yixin Yang

The exploded unit diagram examines the spatial organization, pragmatic functions and relationship to the "semi-public" streets in the sky walkway. The second floor of these facility spaces acts as a transitional circulatory space along the pedestrian raised walkways. The architect uses various changes in topography, and surface texture to create a sense of meandering/playfulness as one cross though these spaces. The first and third floor house a kitchen area, dinning spaces and storage facilities.