UBITAT HOUSING TODAY

ARCHITECTURE AS INNER SPACE

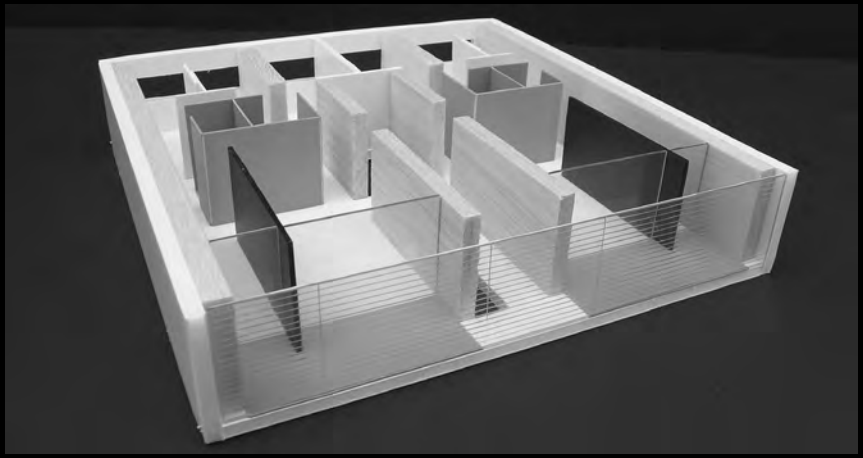
FLEXIBILITY

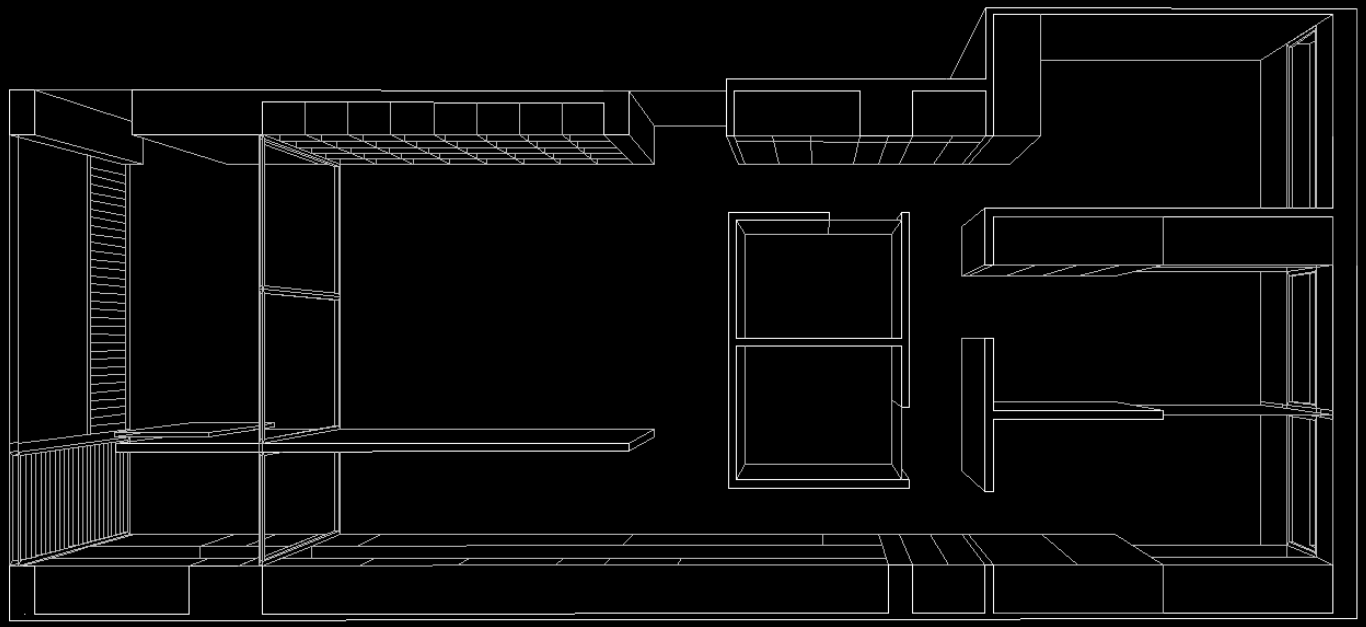
First approach

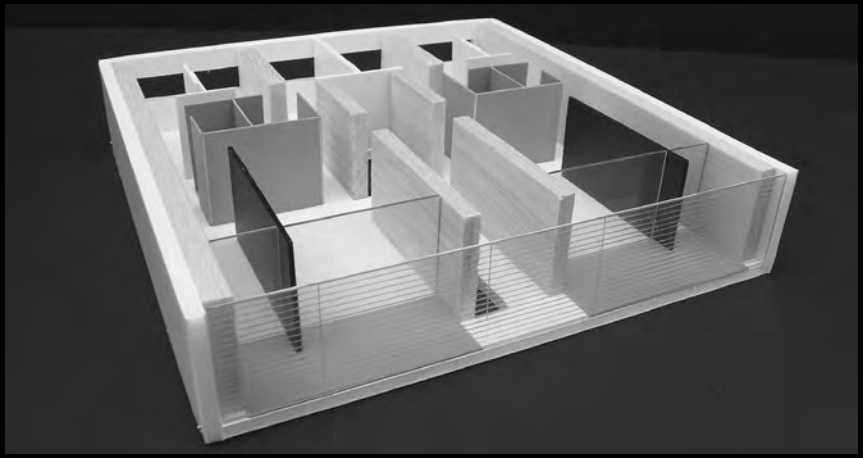
Traditional strategies

INVESTIGATION AND CONSTRUCTION: SVR 52 BUILDING

52 HOUSING UNITS IVVSA (VALENCIAN INSTITUTE OF HOUSING)







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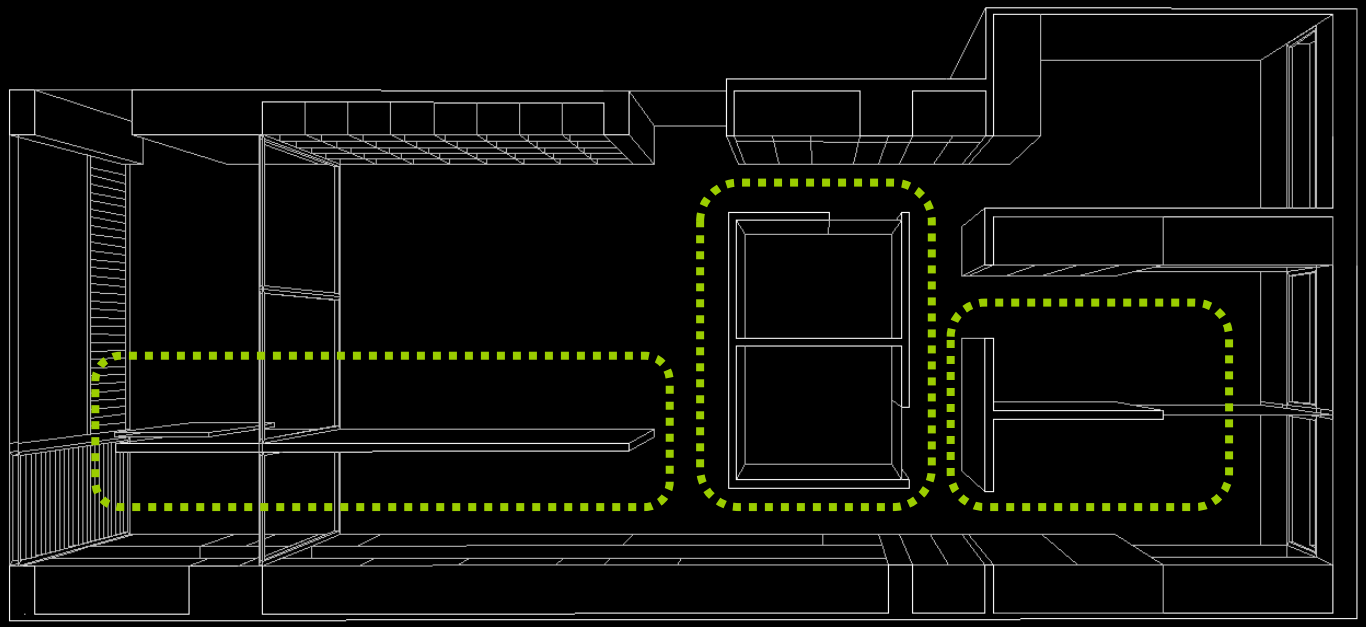
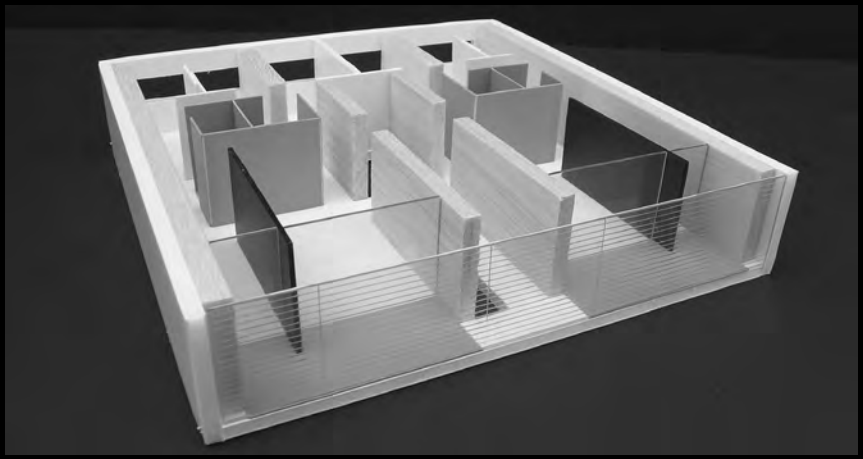
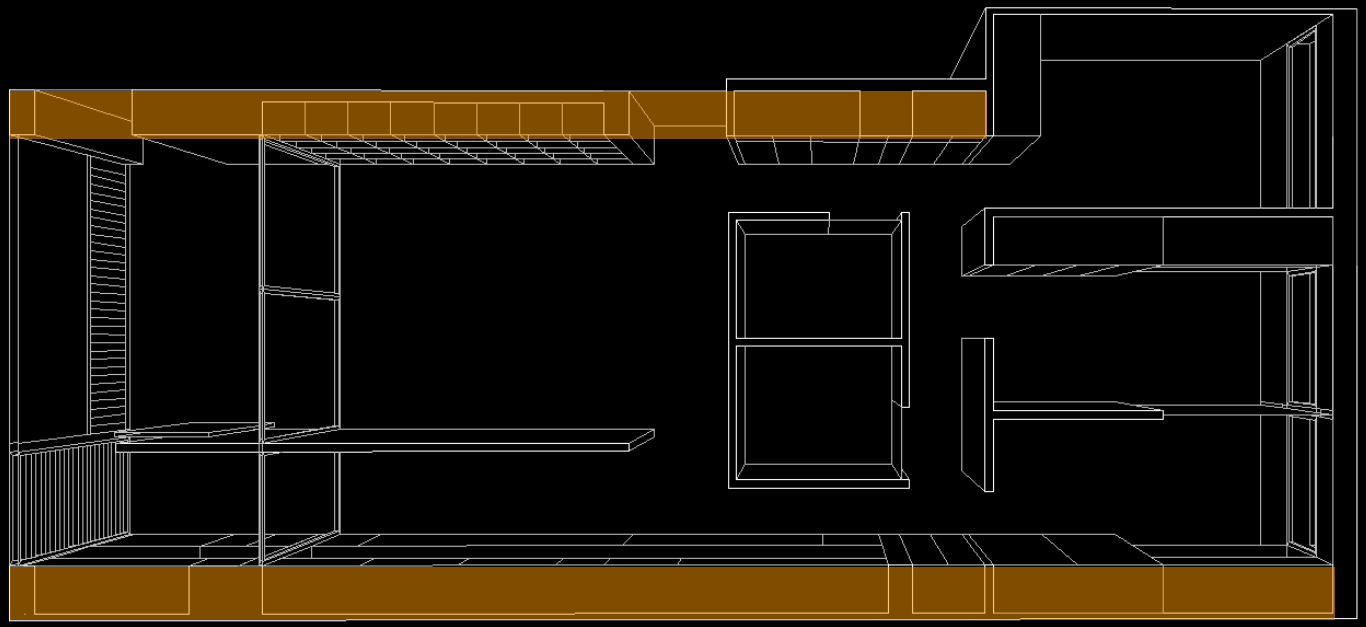
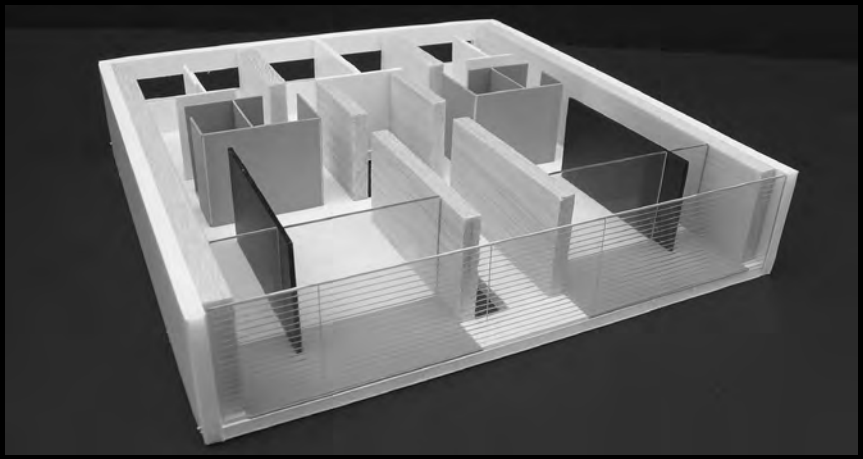


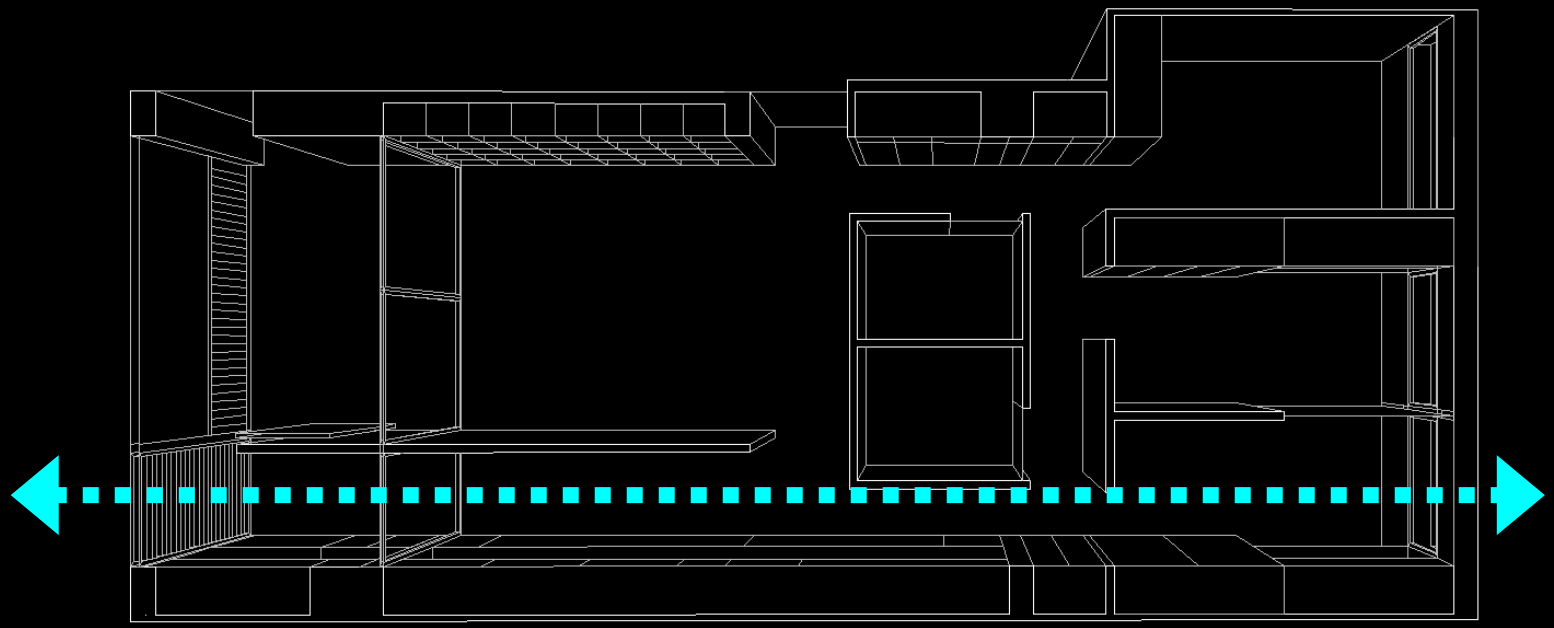


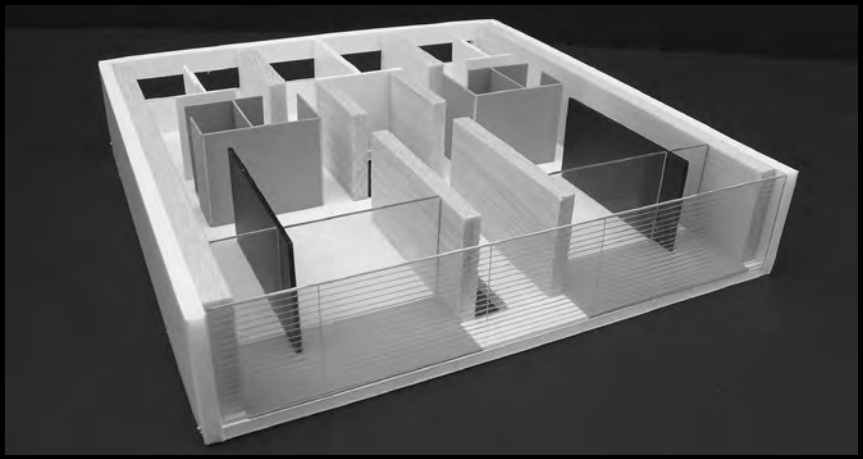
STORAGE BANDS



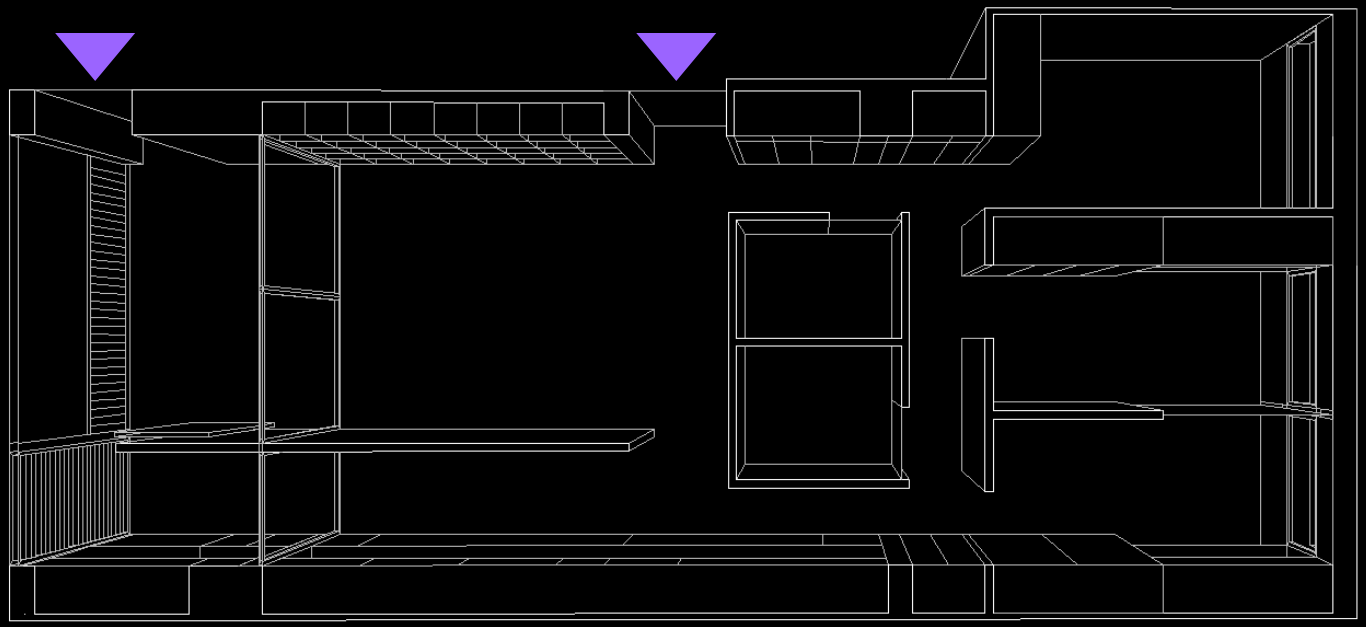


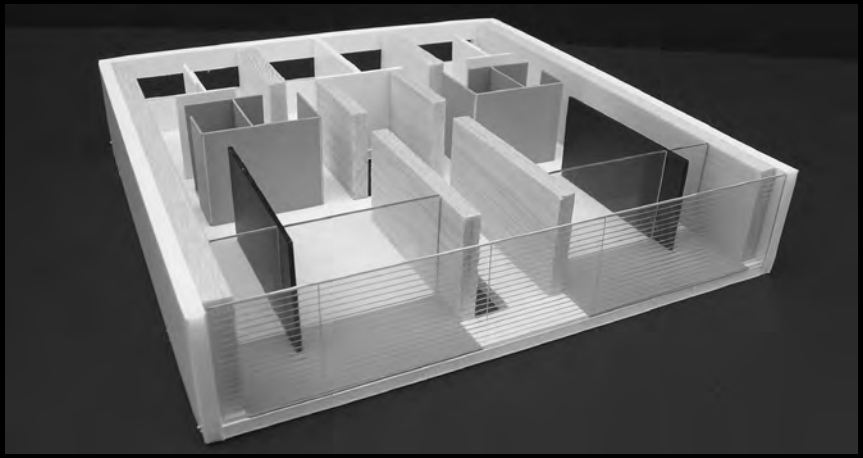
Passing space



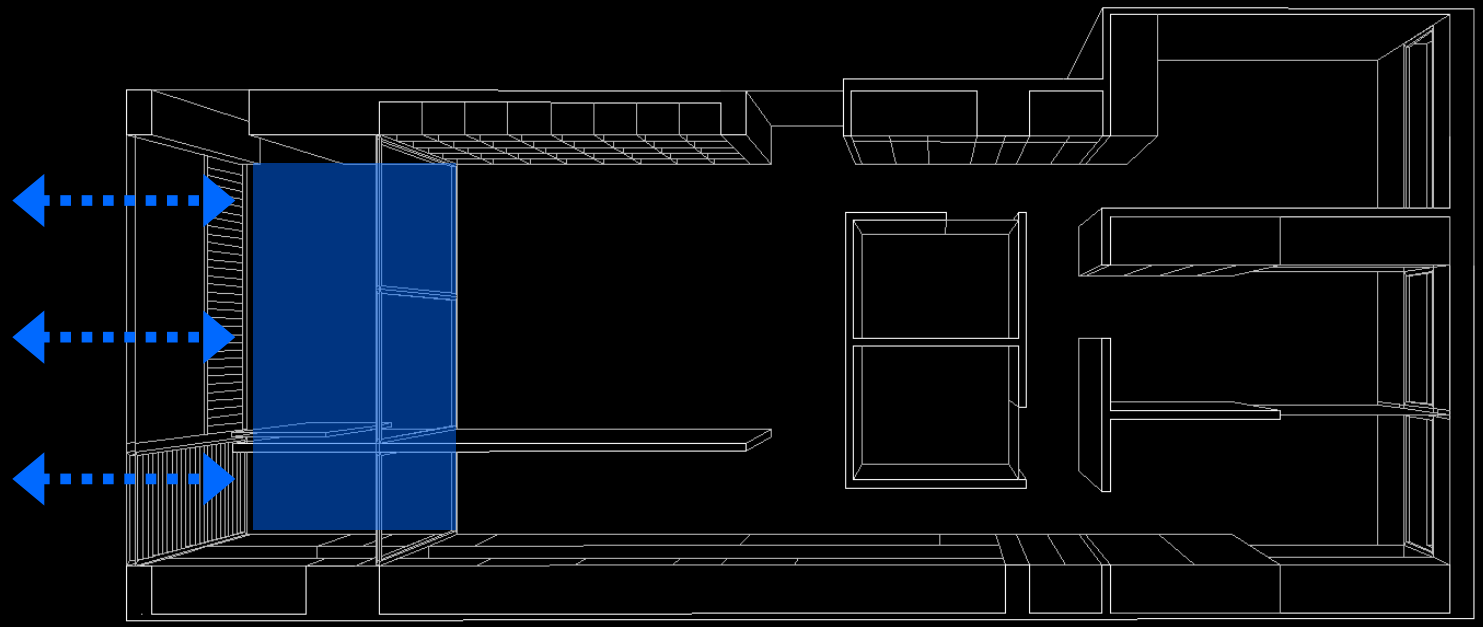


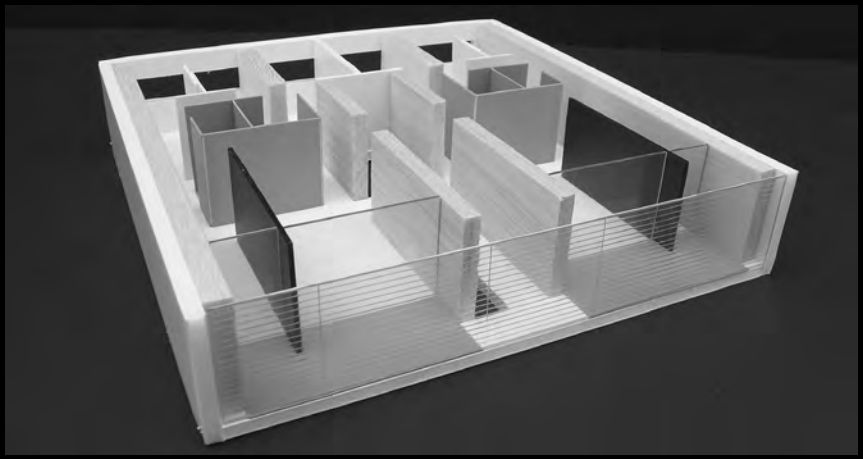
DOUBLE ACCESS



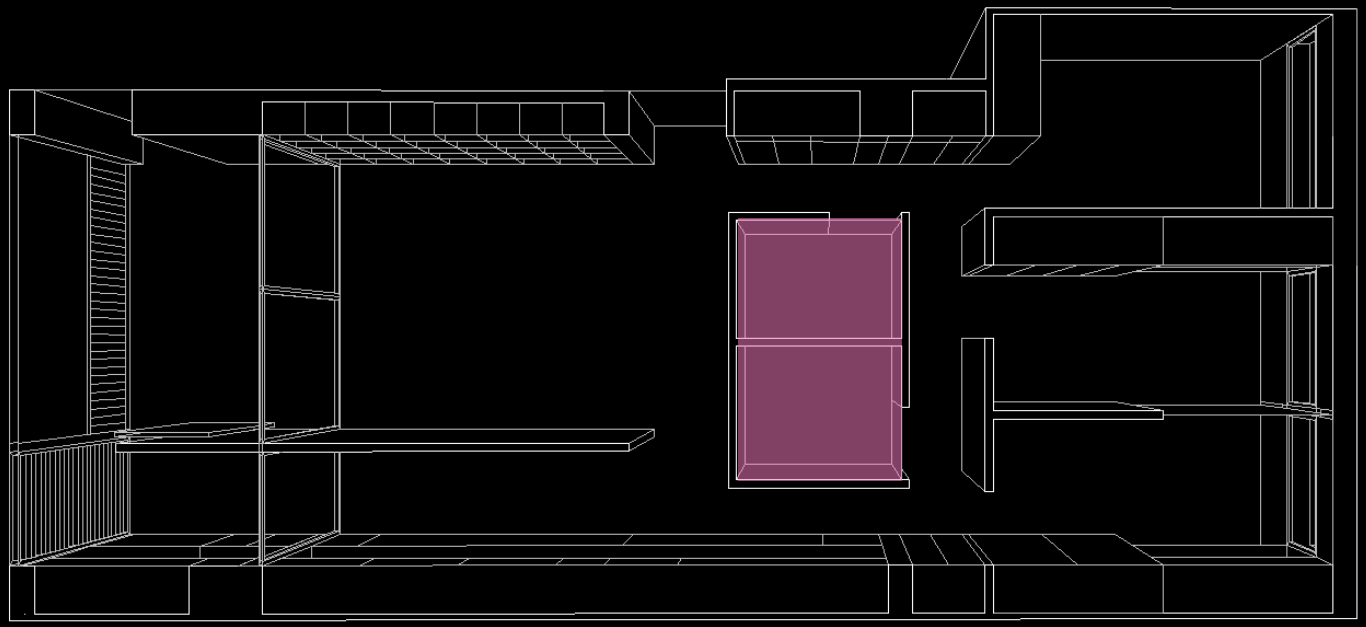


Filter façade



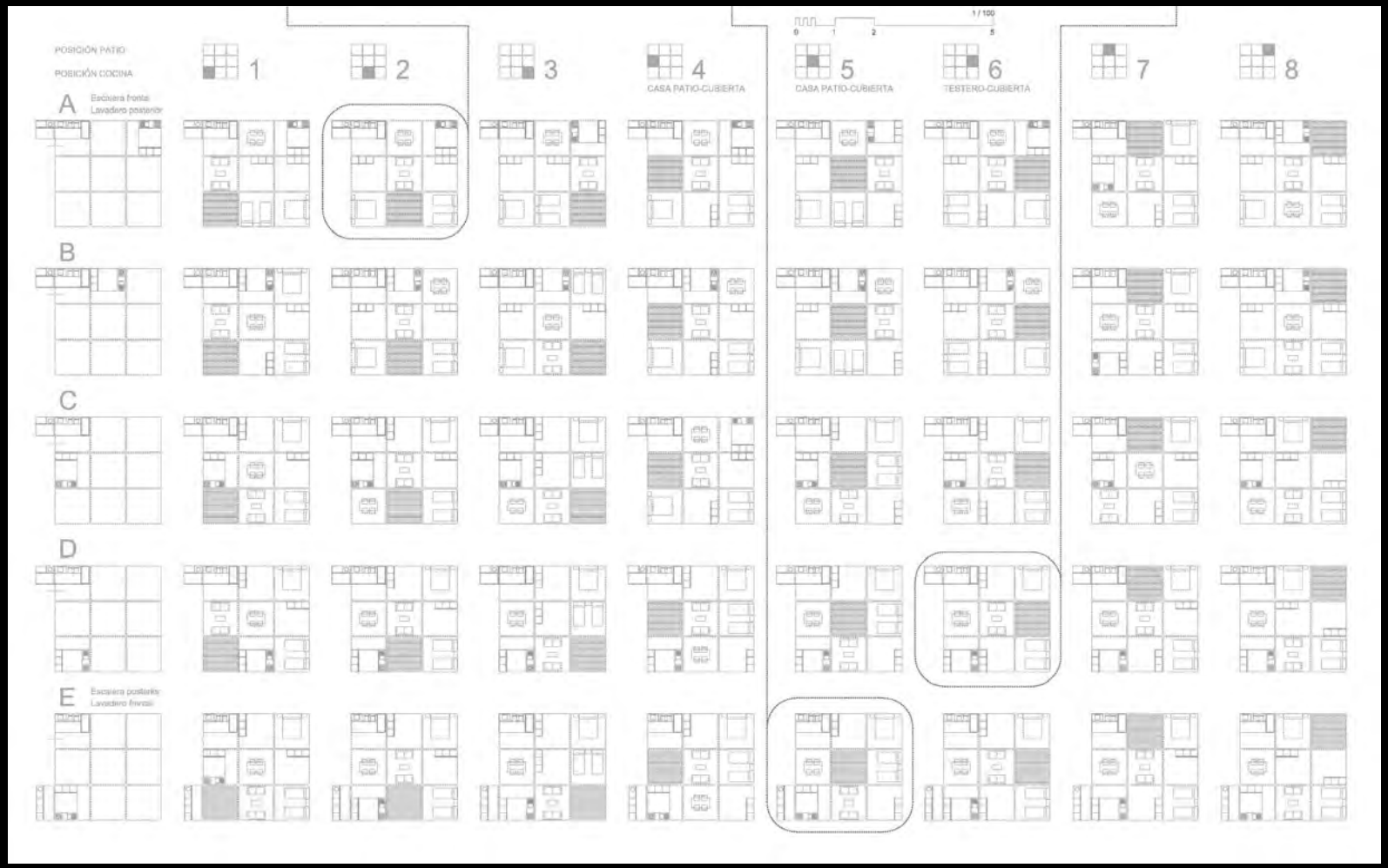


Rigid module



WORK SYSTEM:

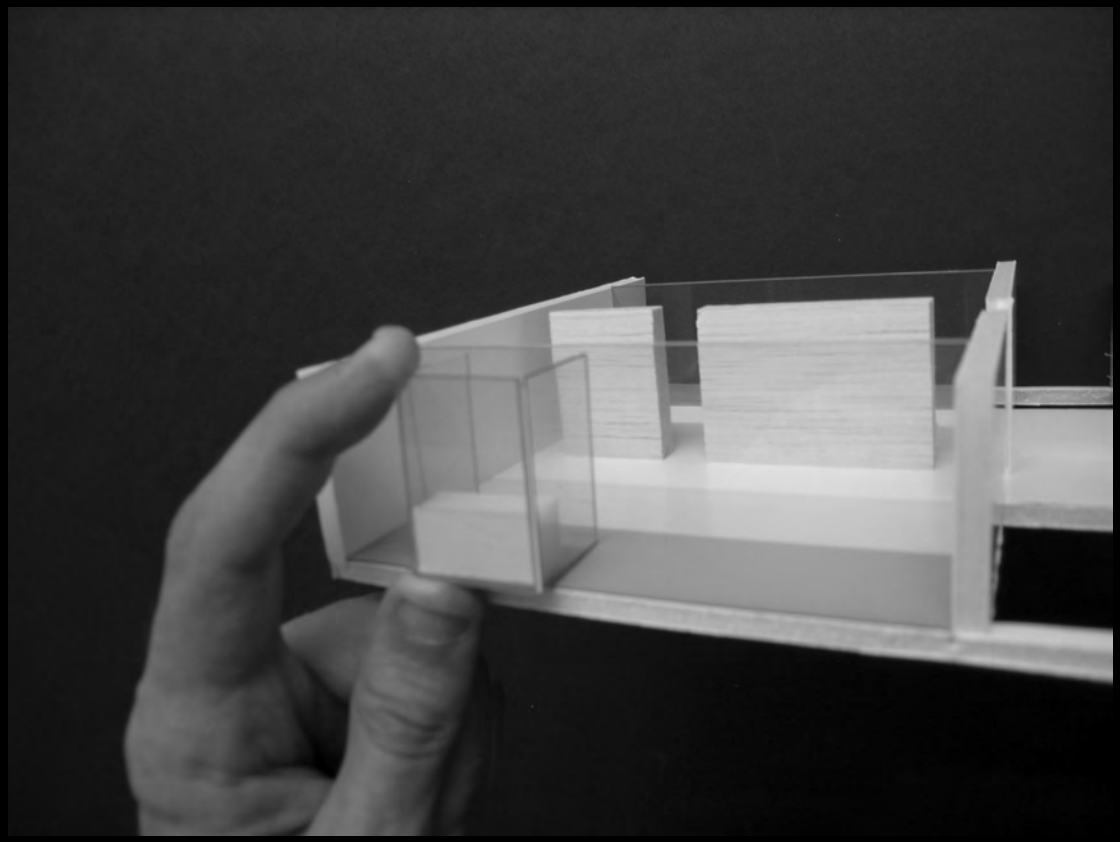
INVESTIGATION FOR CONSTRUCTION



SPATIAL SYSTEMS

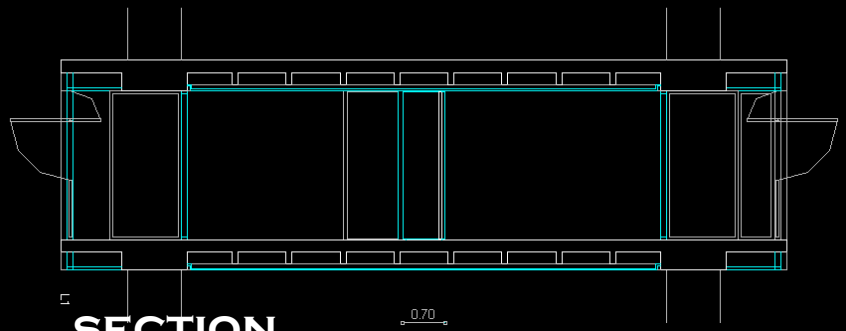
1- FUNCTIONAL BOXES
2- RIGID TECHNICAL NODES
3 - FLEXIBLE TECHNICAL NODES
4 - UBIQUITOUS CUBES
5 – UBIQUITOUS SPACE

1 FUNCTIONAL BOXES



INVESTIGATION: MCP SYSTEM

120 HOUSING UNITS IVVSA (VALENCIAN INSTITUTE OF HOUSING)



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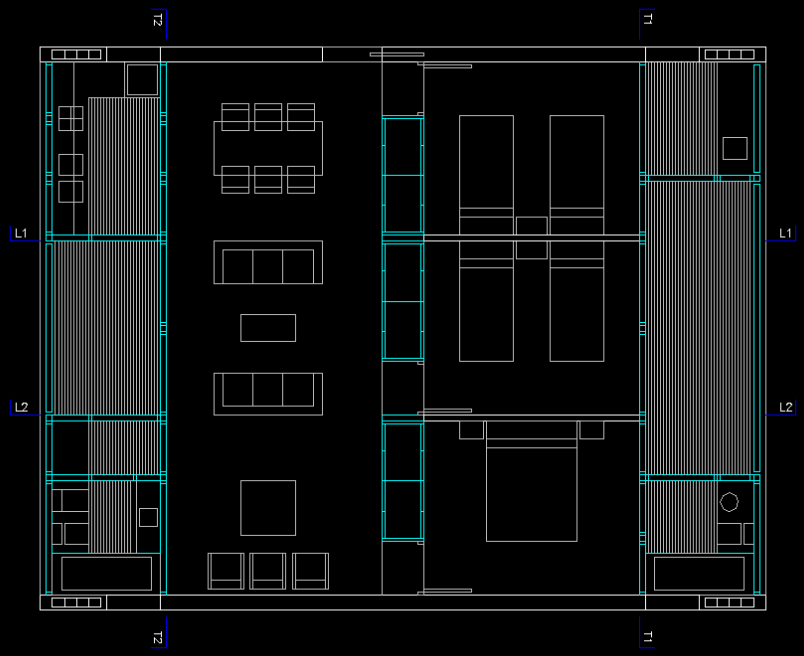
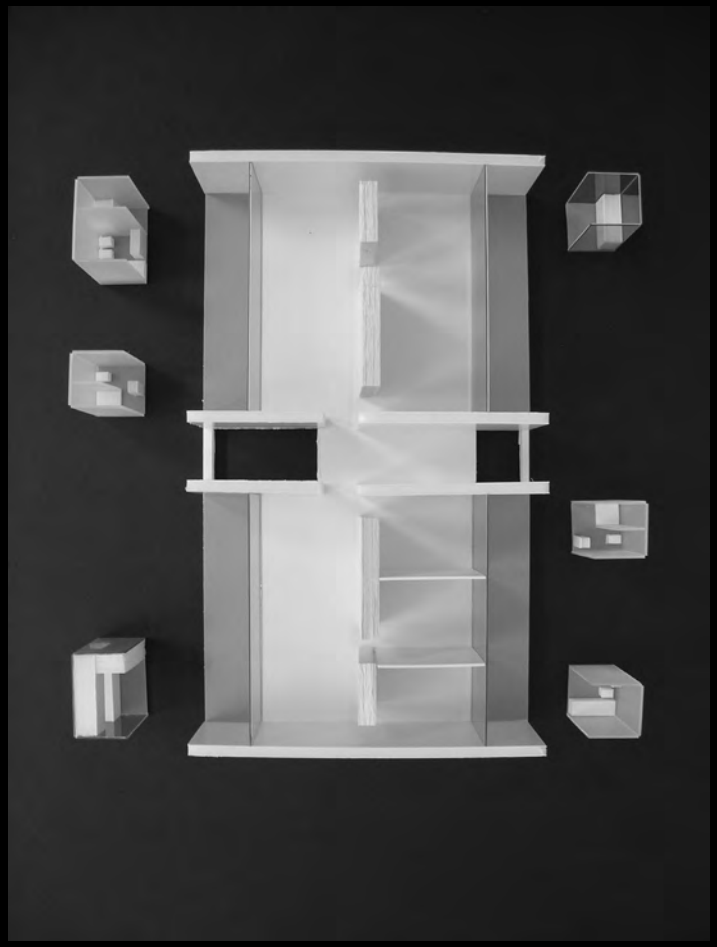
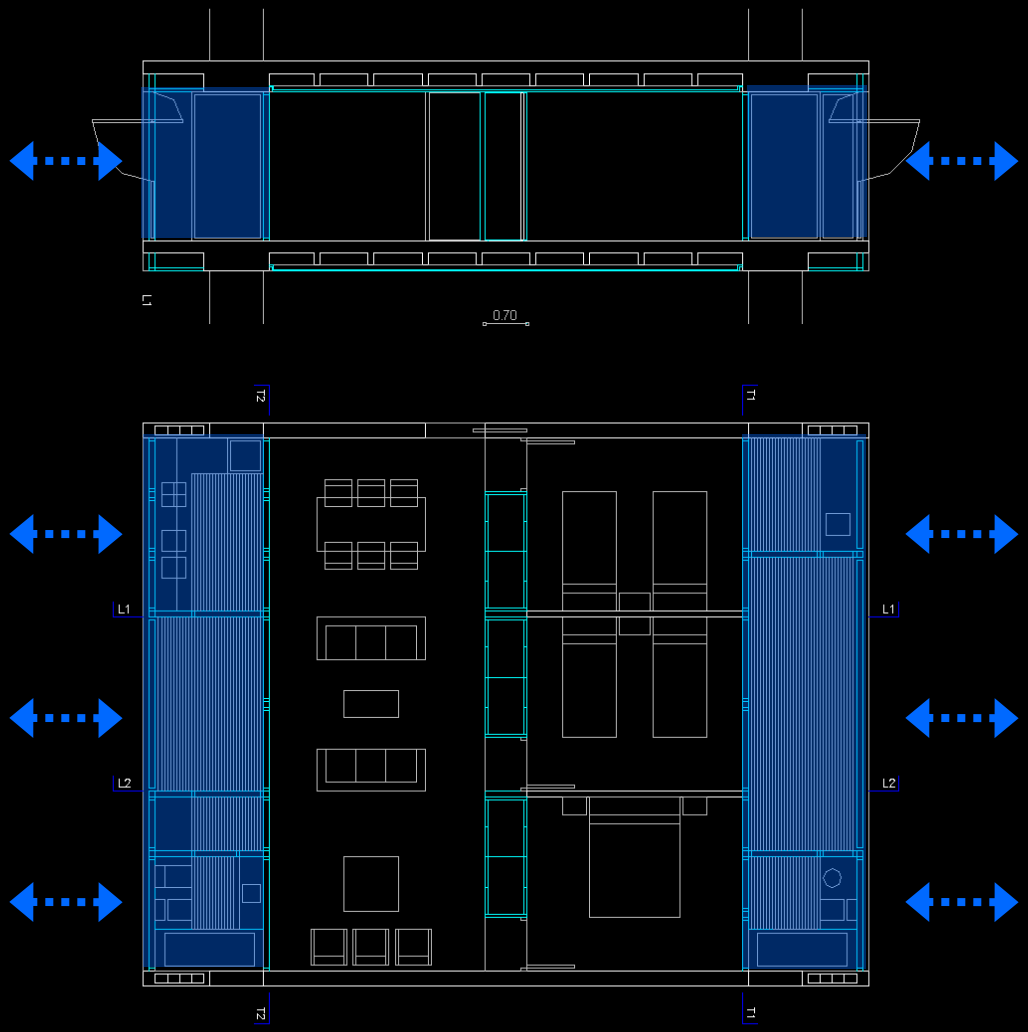
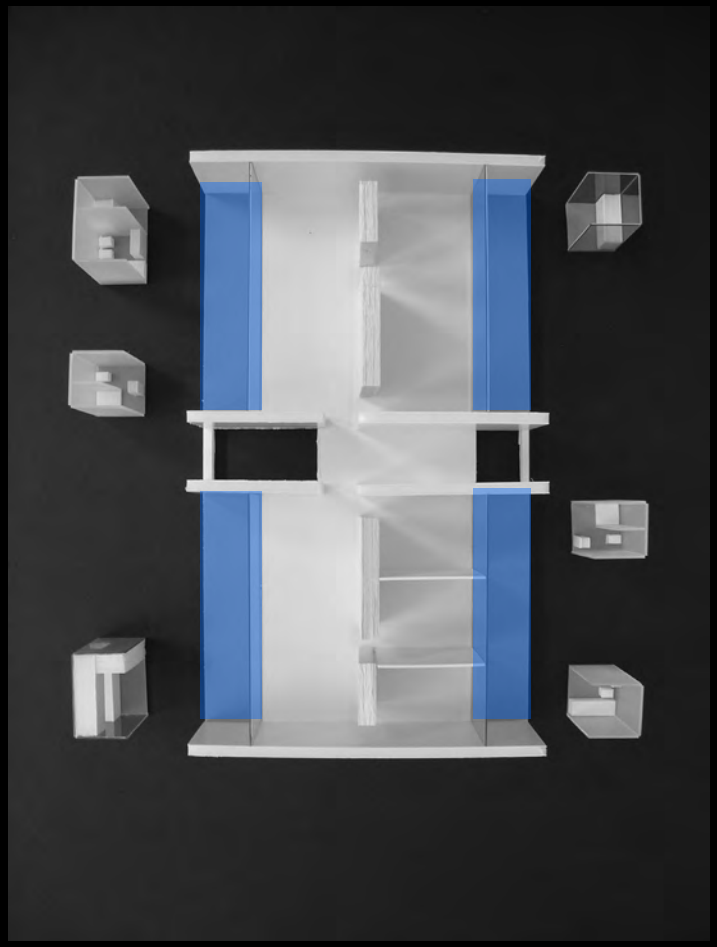


PLAN







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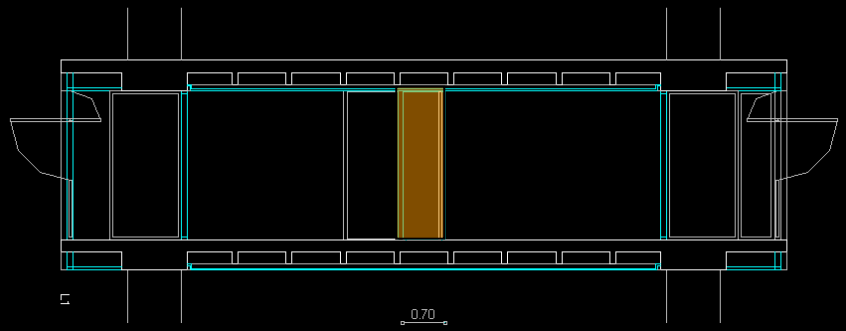
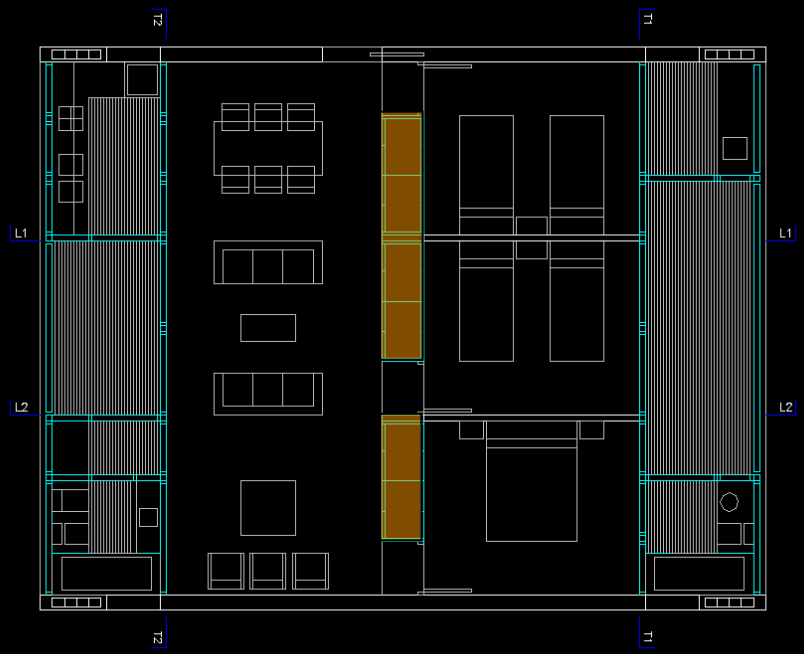
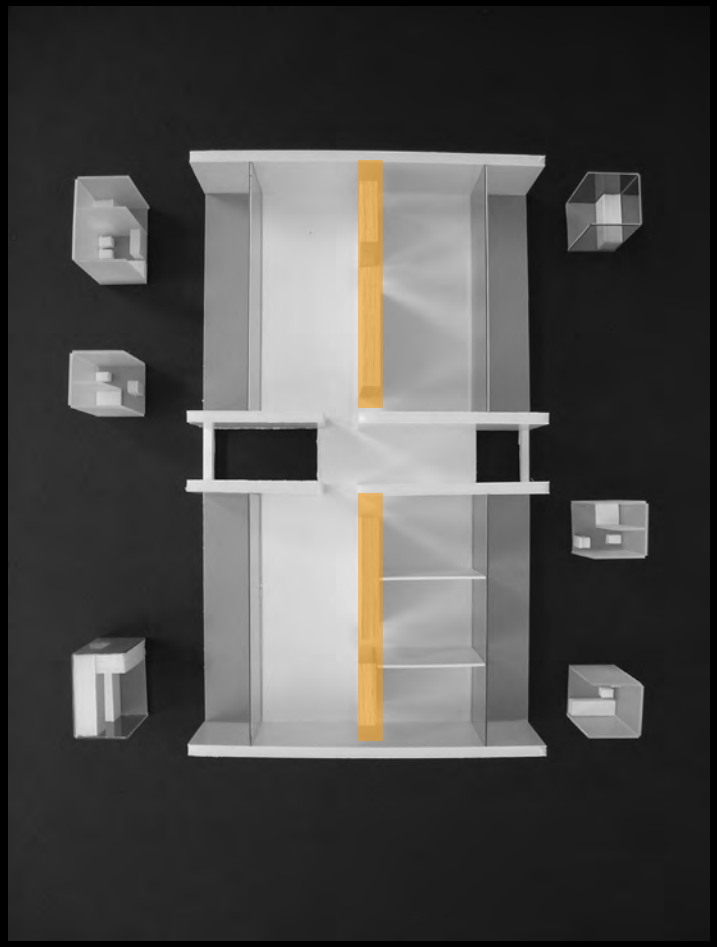
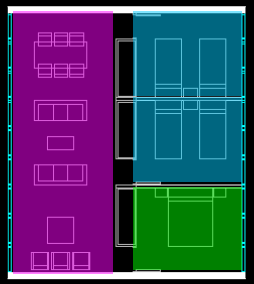
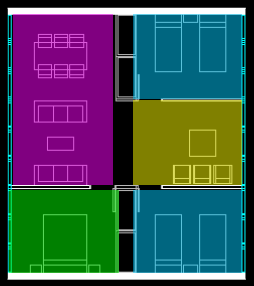


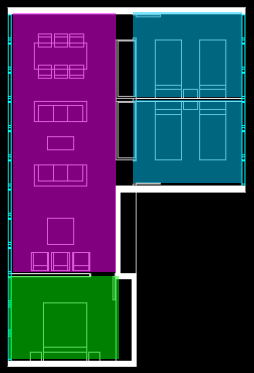


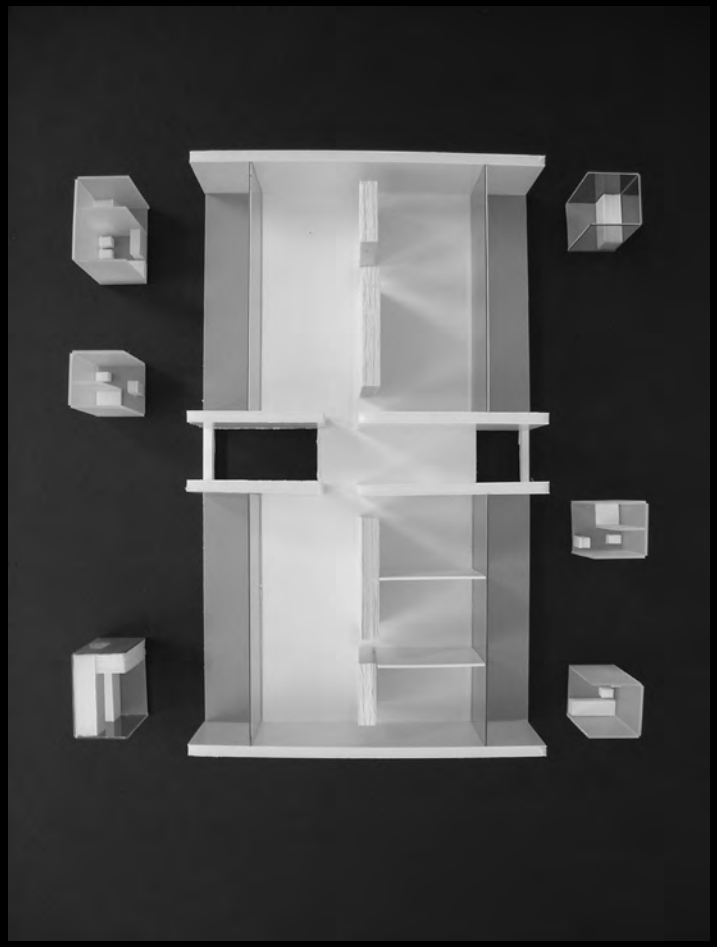


Storage band

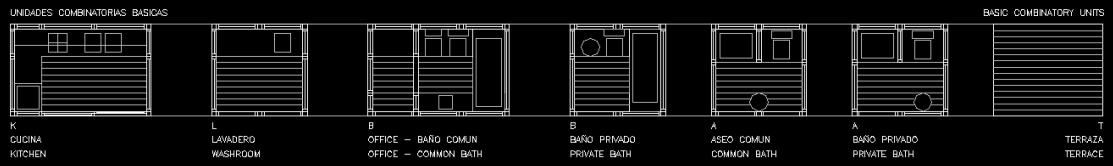


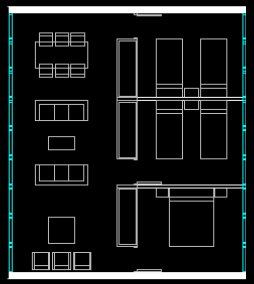


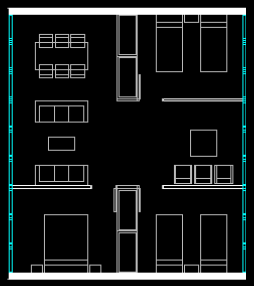


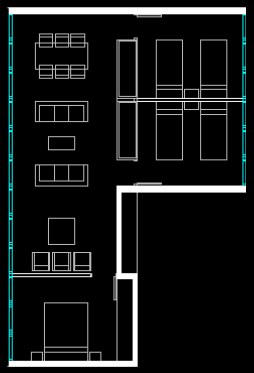


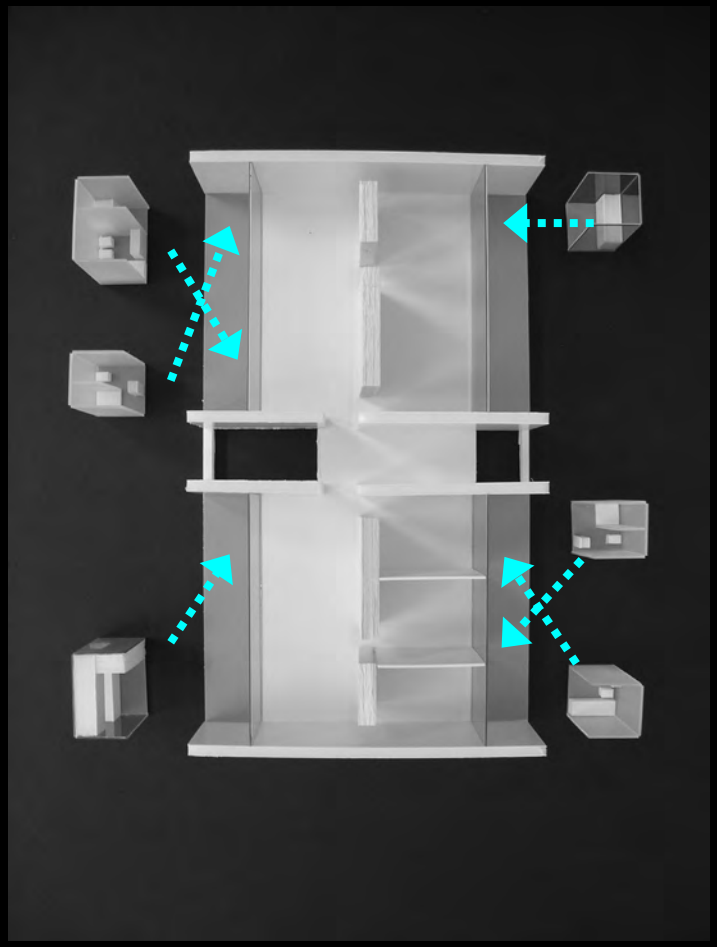
CHANGING SPACES











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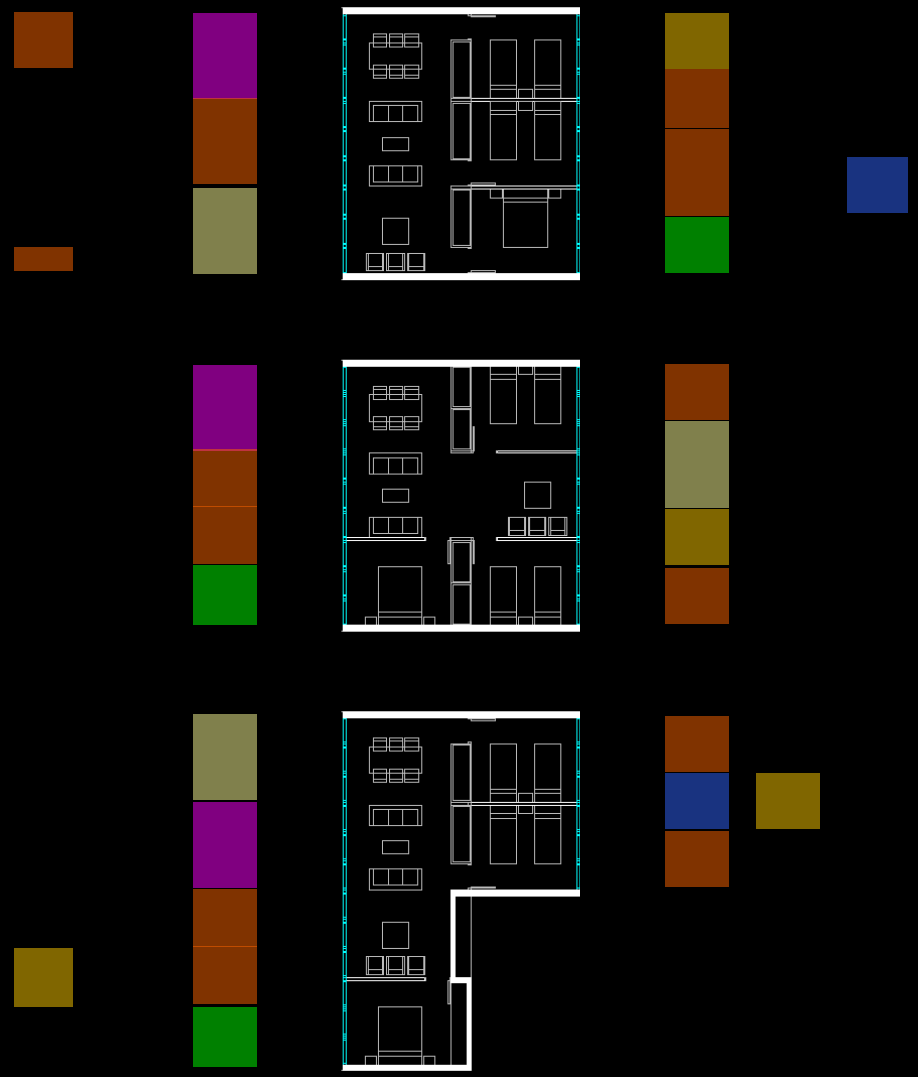
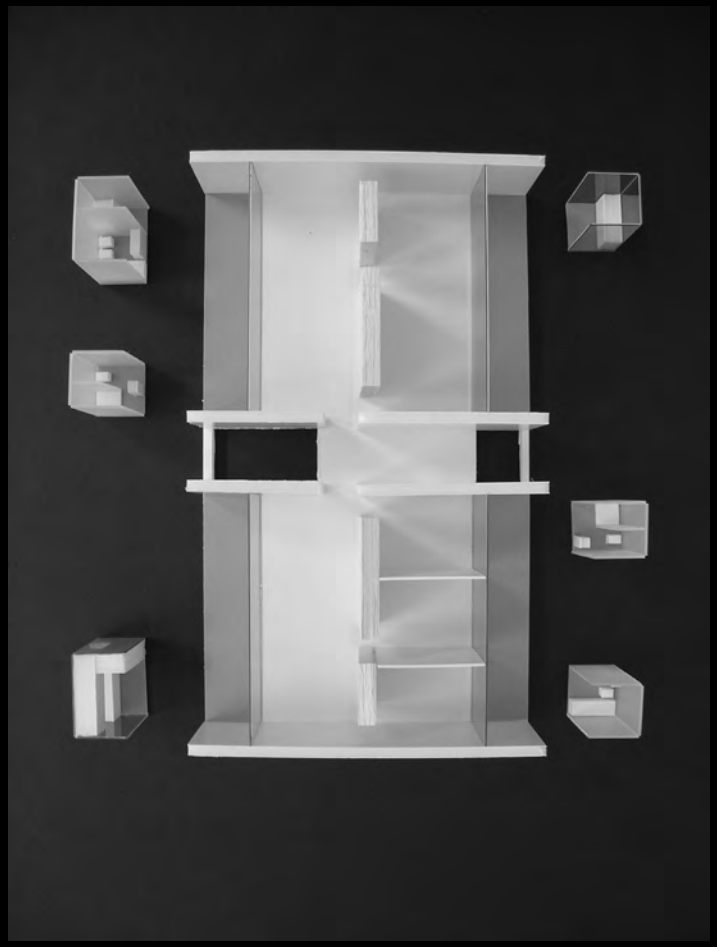
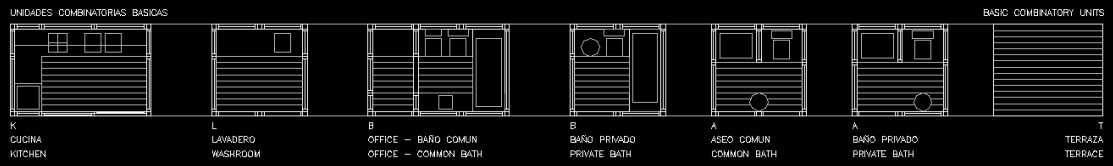
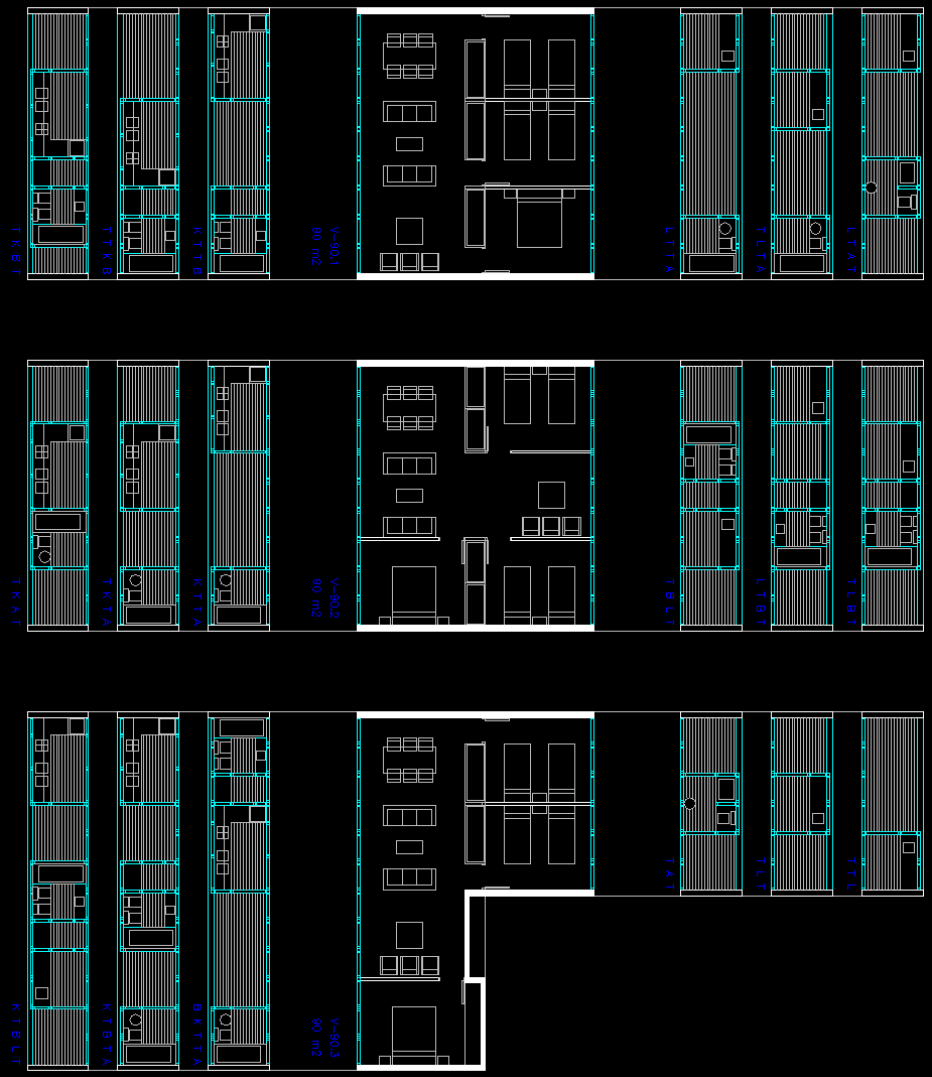
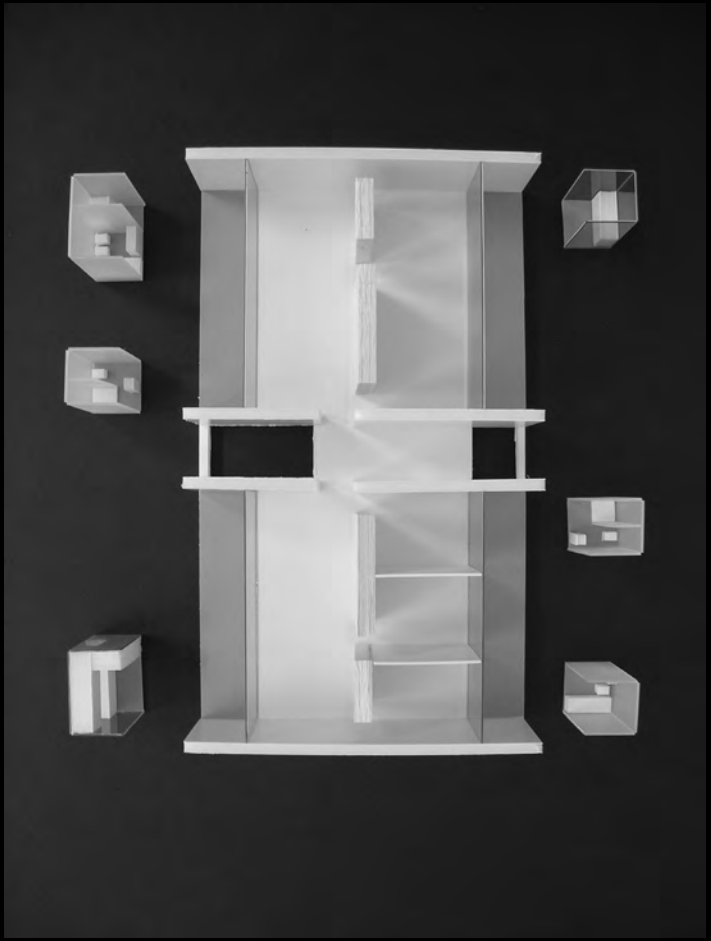




OPEN POSSIBILITIES







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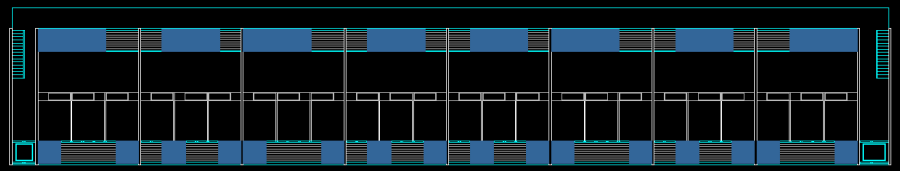

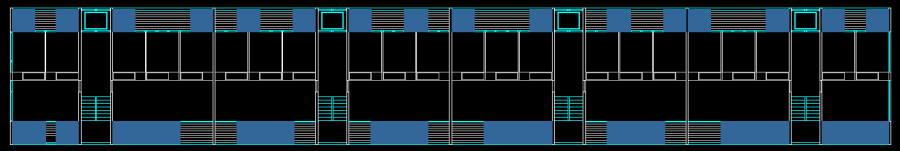

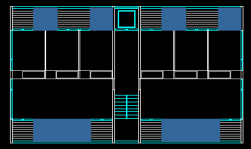

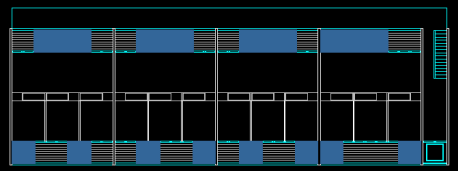

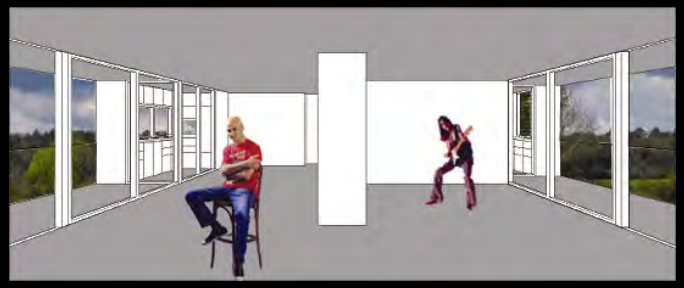

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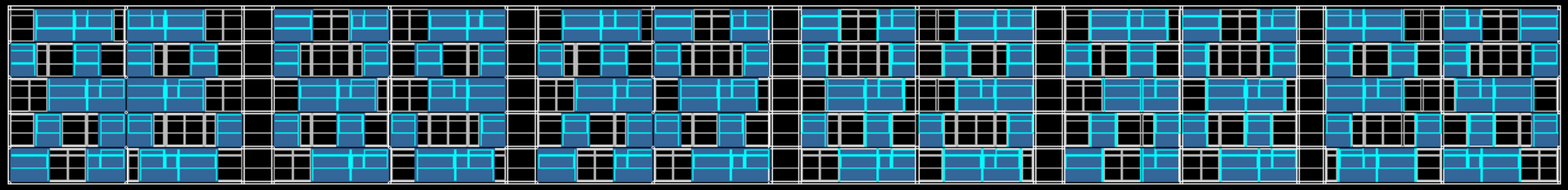
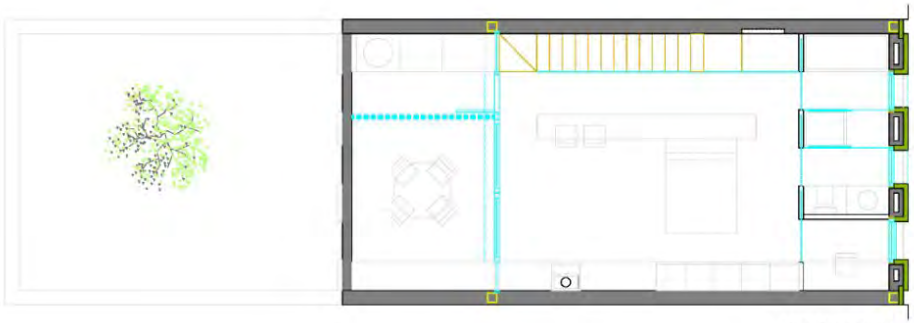
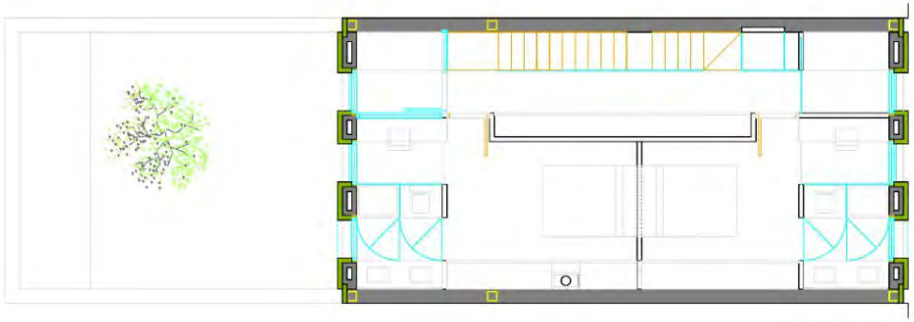


CUSTOMIZING THE BLOCK

CONSTRUCTION: V+R HOUSE



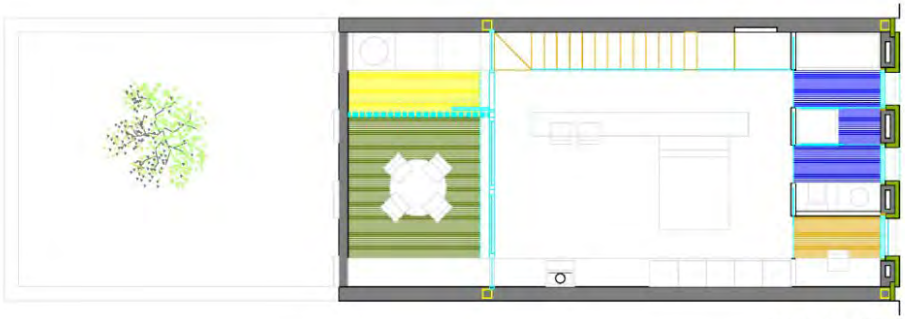
PLANTA SEGUNDA



PLANTA PRIMERA

PLANTA BAJA

THE HOUSE

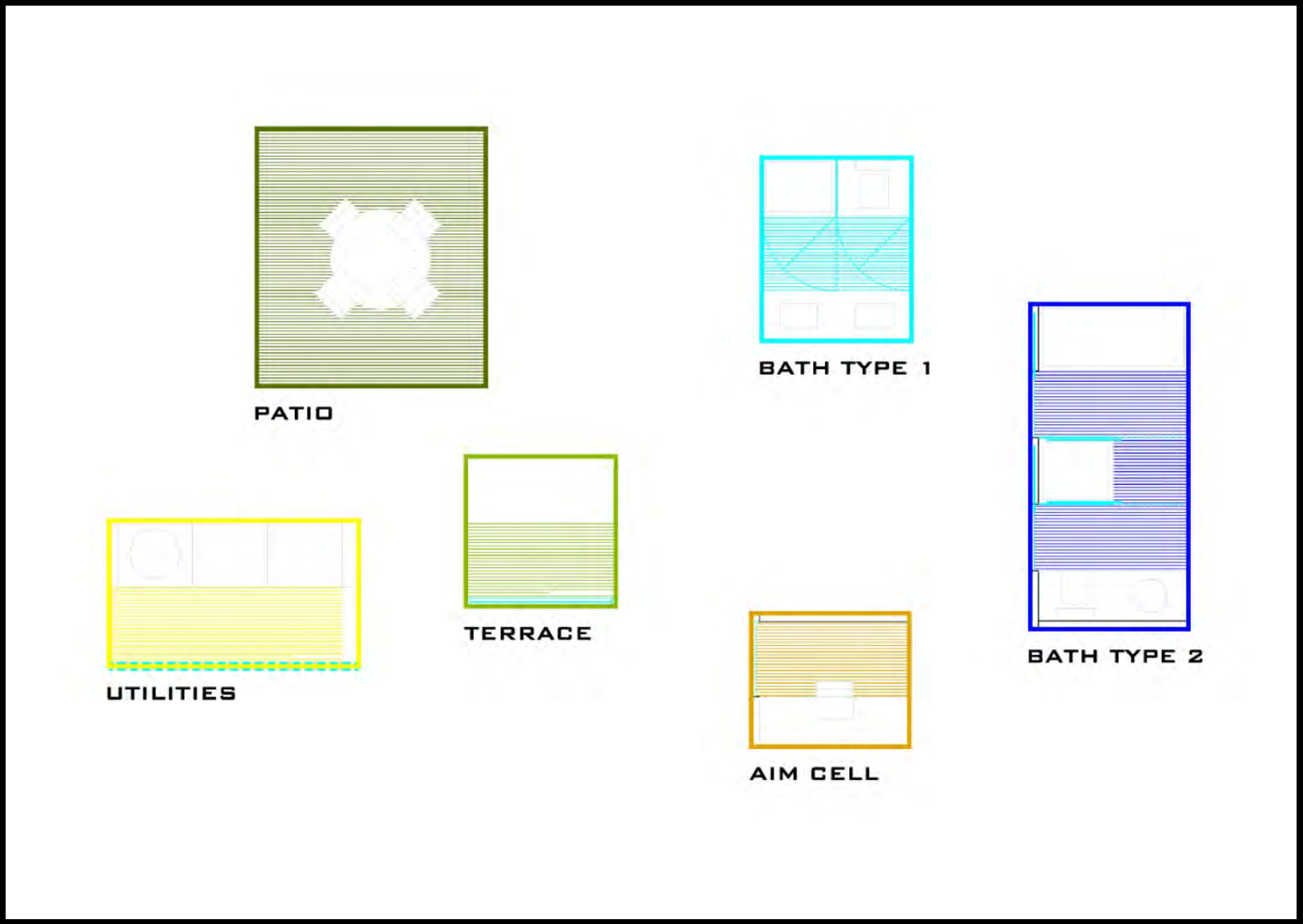


PLANTA SEGUNDA

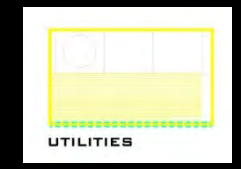
PLANTA PRIMERA

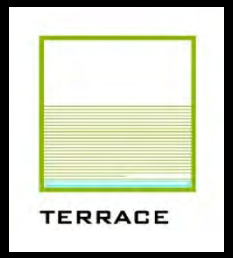
PLANTA BAJA

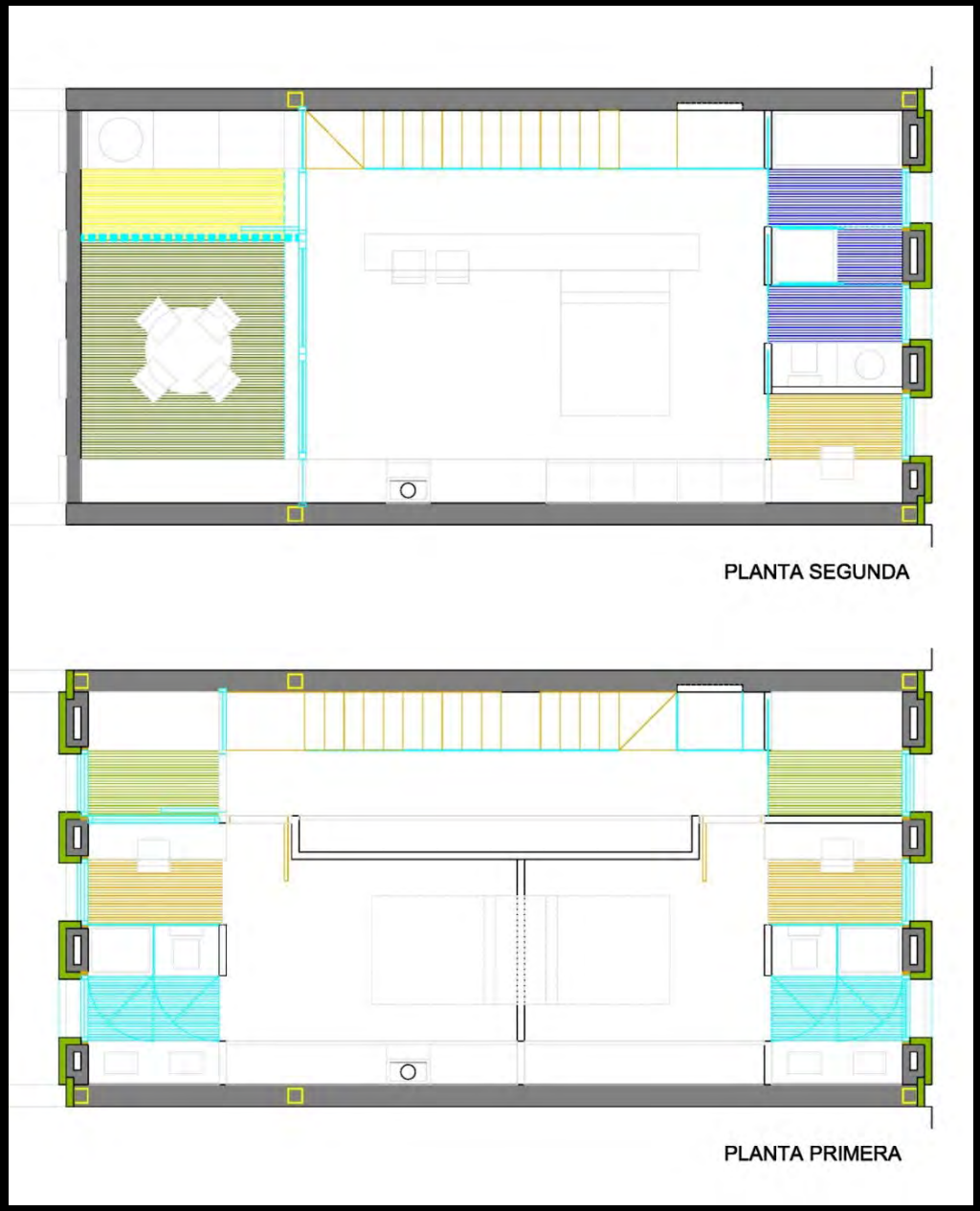
THE HOME

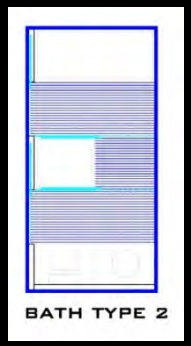


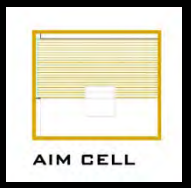
FUNCTIONAL BOXES

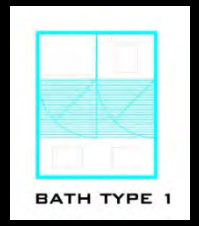






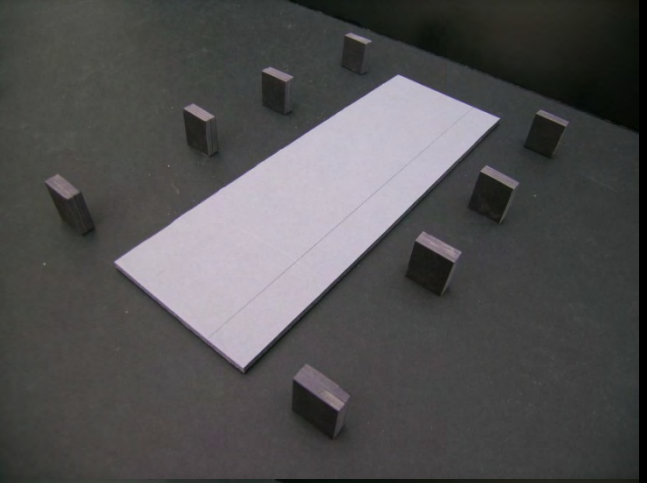


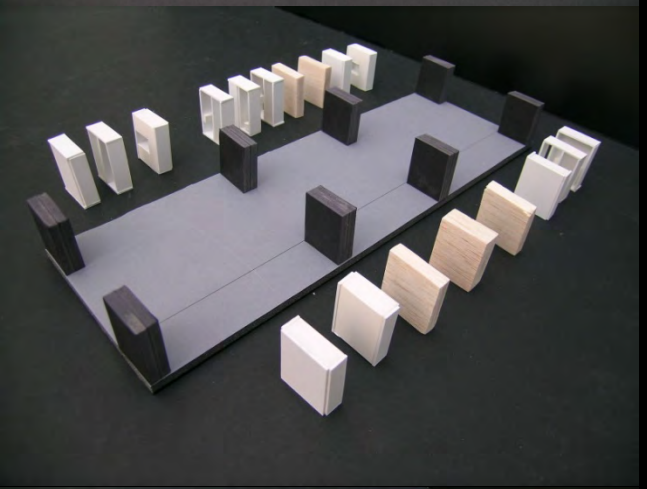


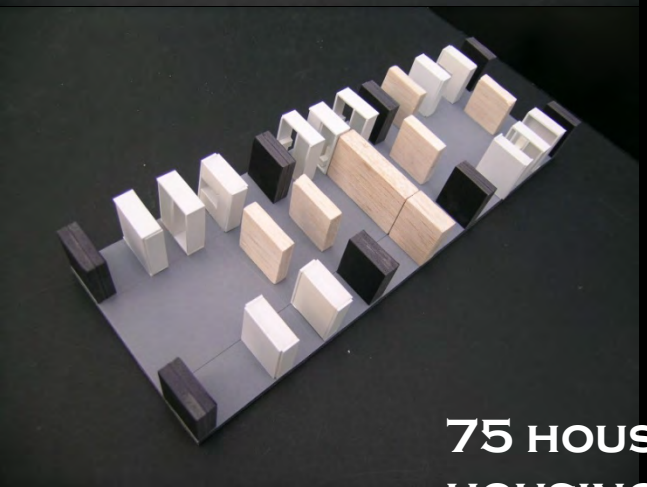


Insertion in the filter façade

2 TECHNICAL RIGID NODES

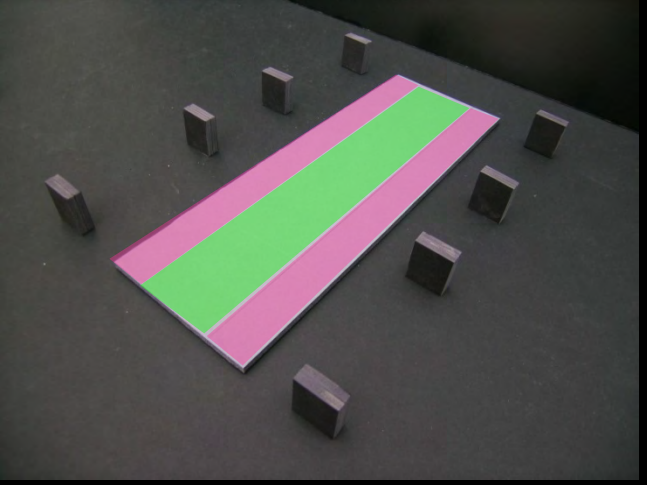






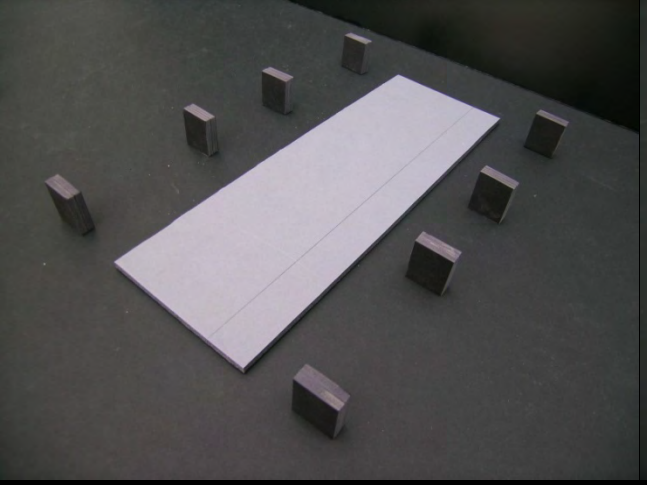
INVESTIGATION: ASH SYSTEM

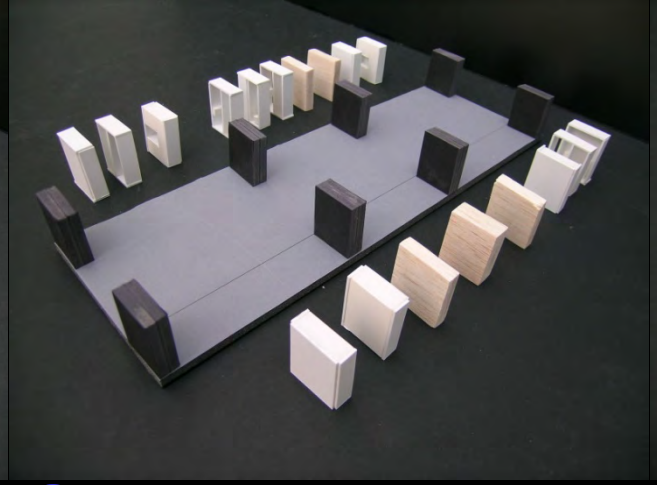
75 HOUSING UNITS IVVSA (VALENCIAN INSTITUTE OF HOUSING)

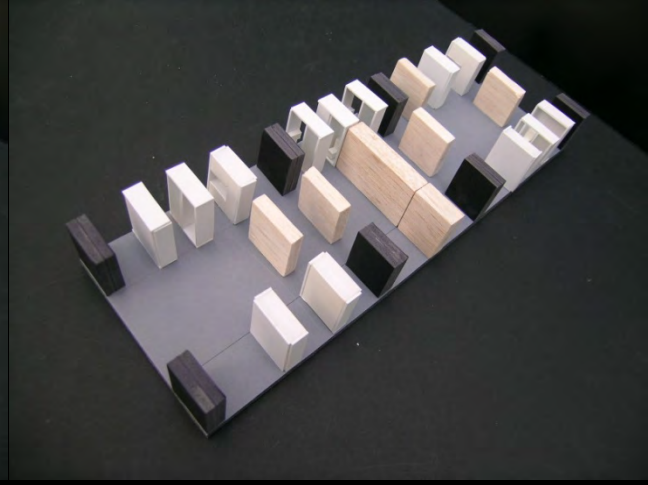


SERVER band

SERVED band

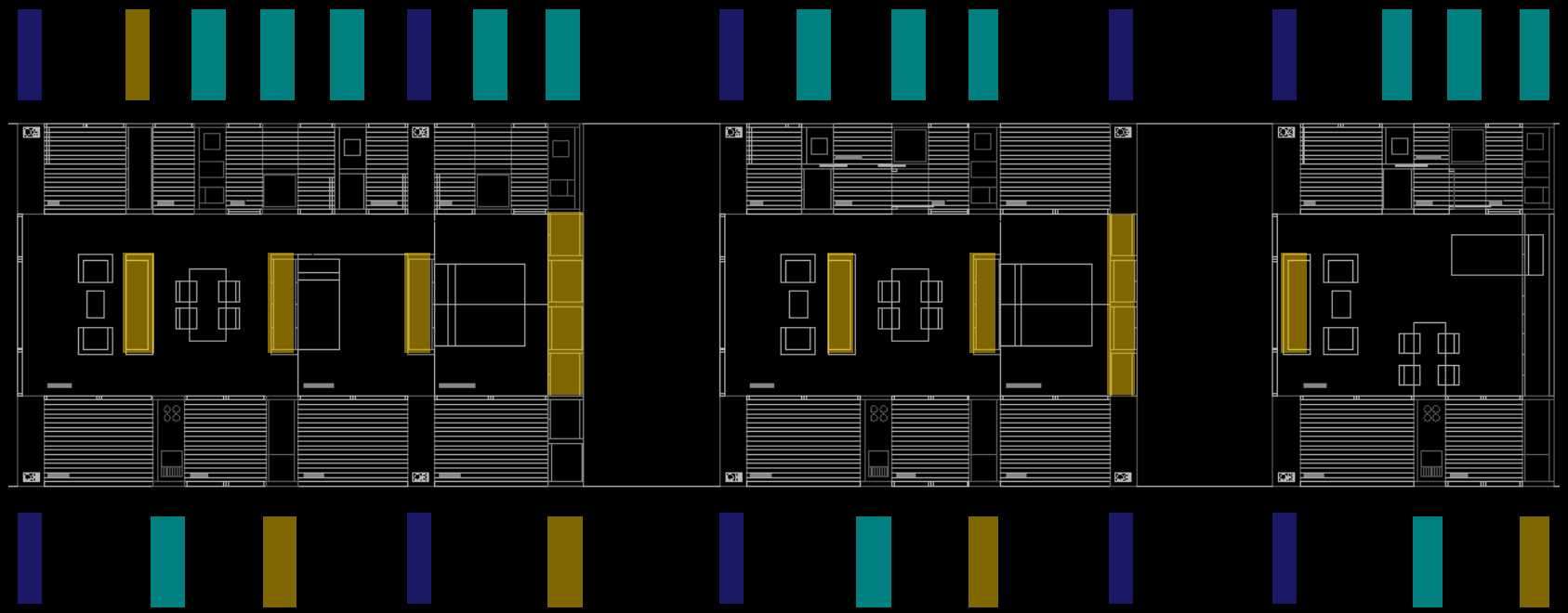






Structural module
Technic module
Storage module

Inserted modules



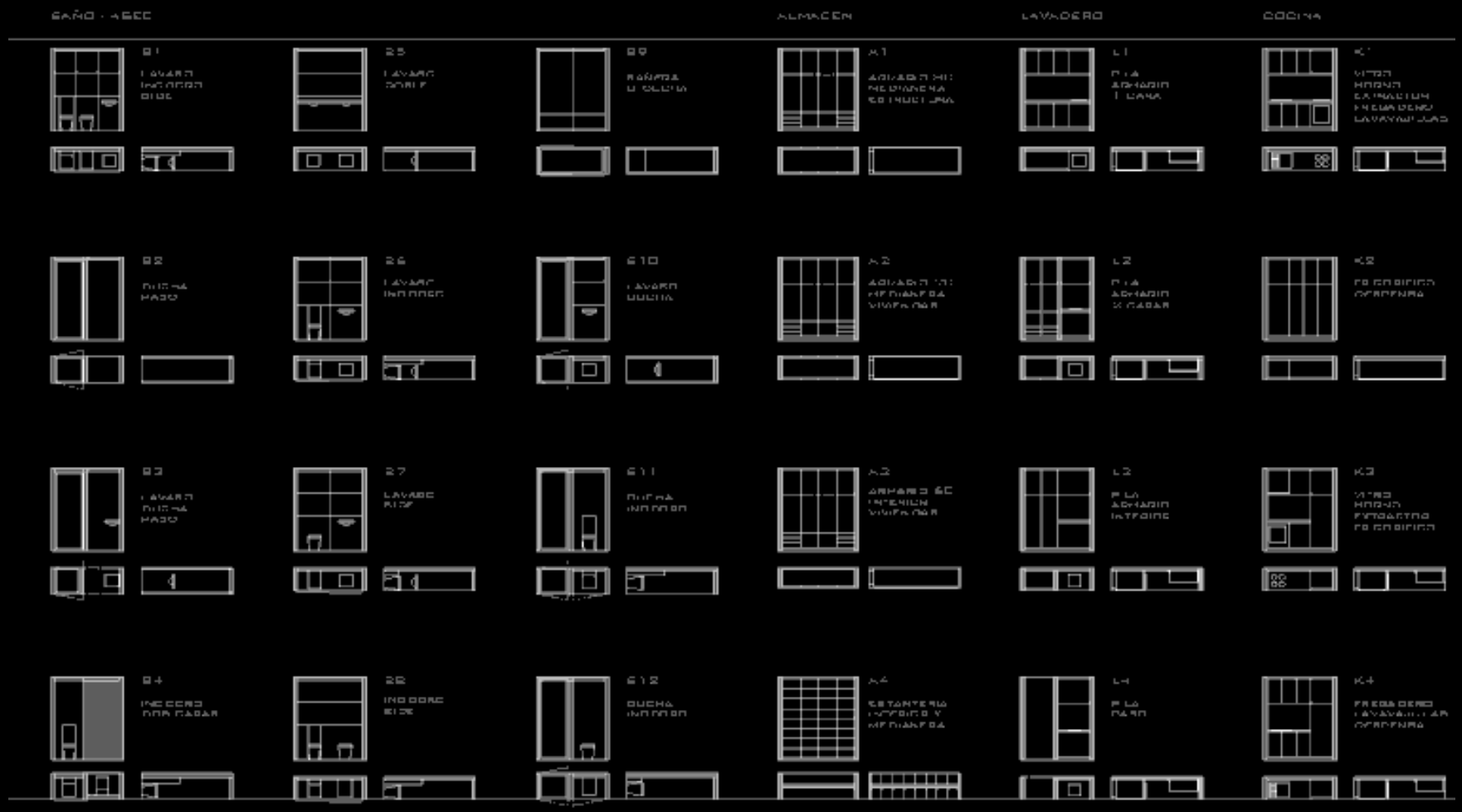
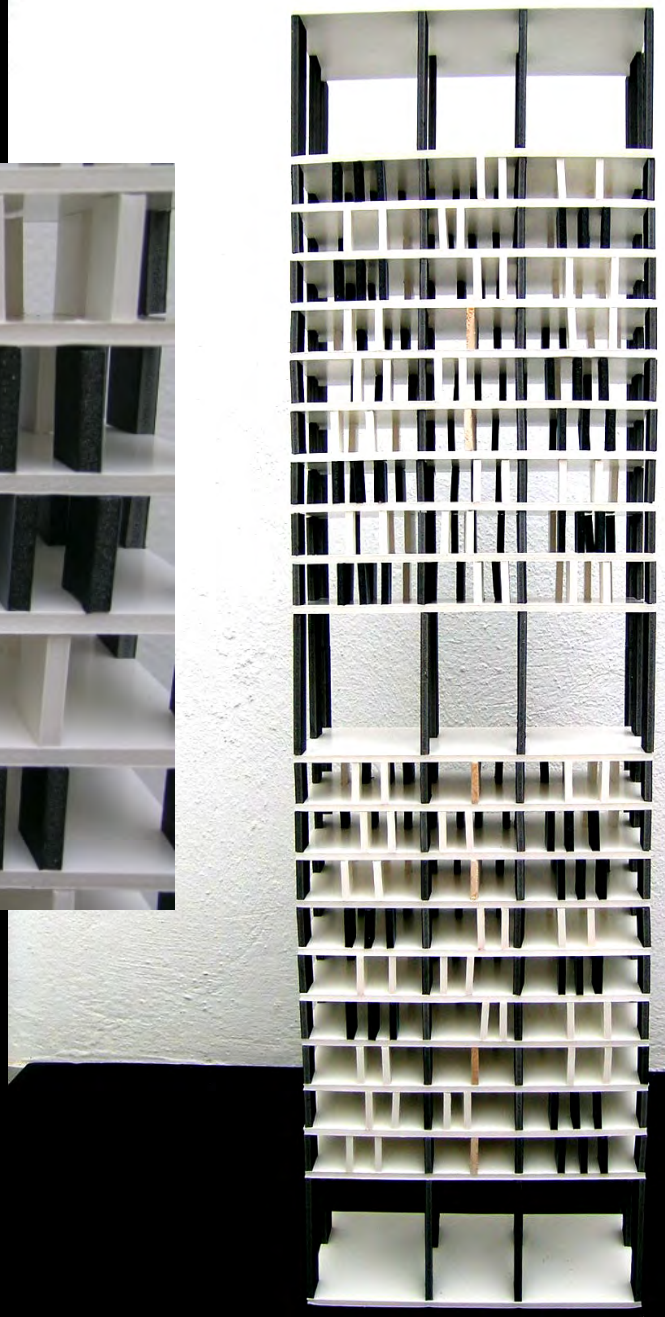
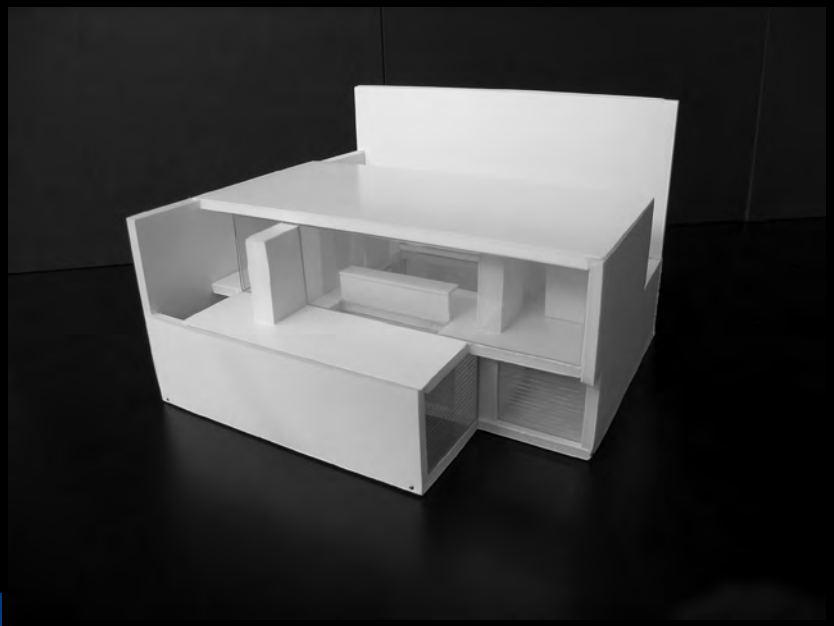


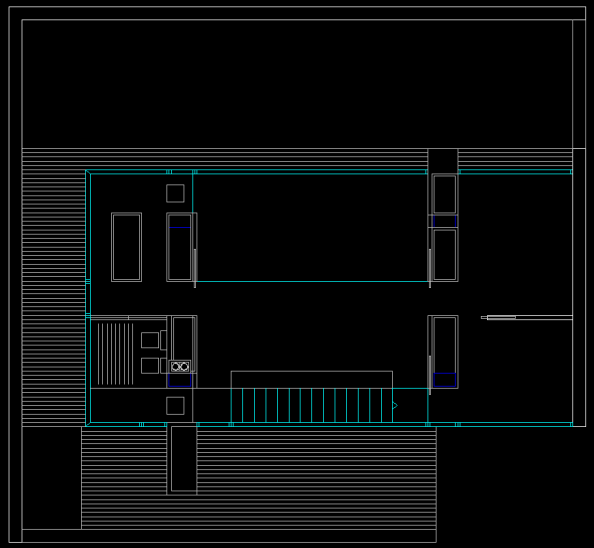
Chart of Storage and technical modules. Choose your choice.

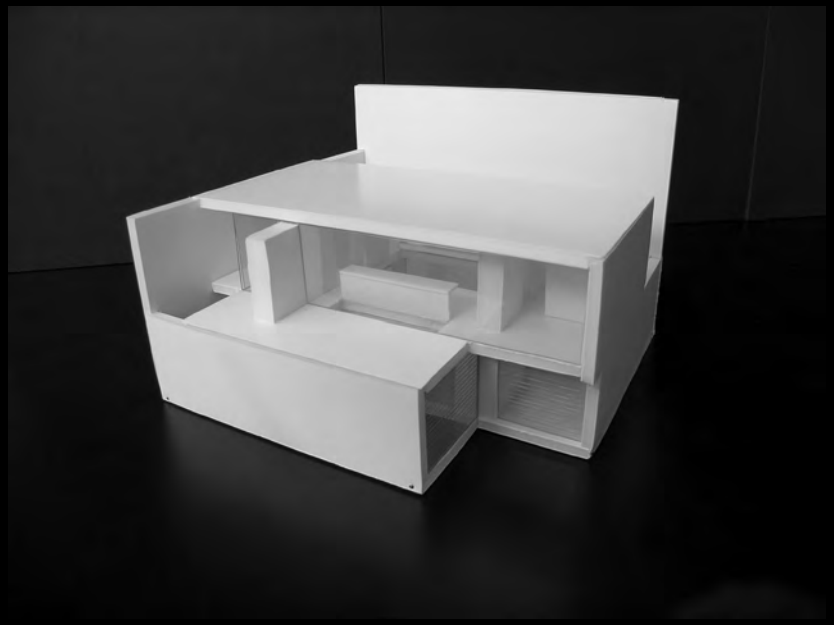


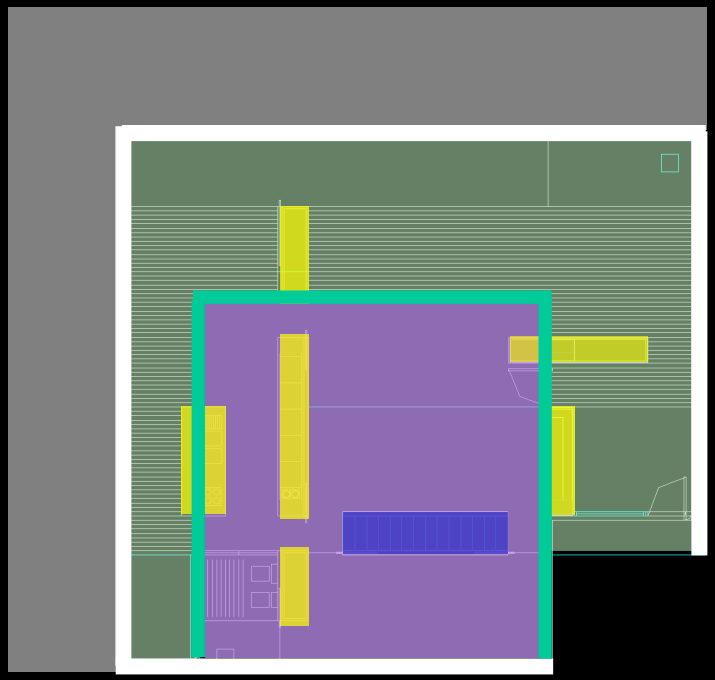
Tower of LIFE possibilities



CONSTRUCTION: LGS HOUSE







Massive perimeter

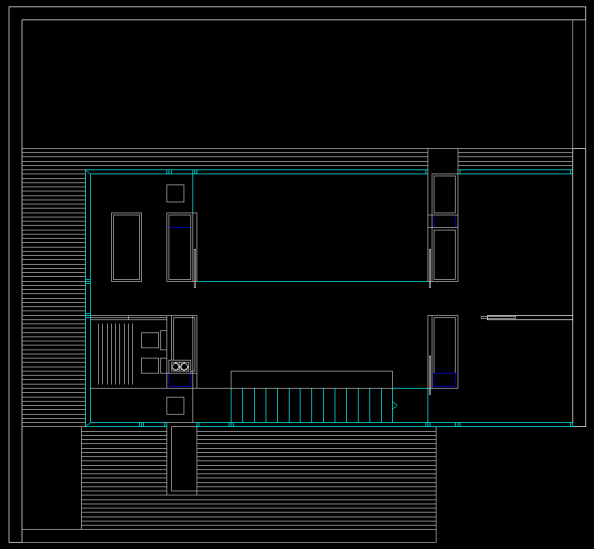
Transparent perimeter

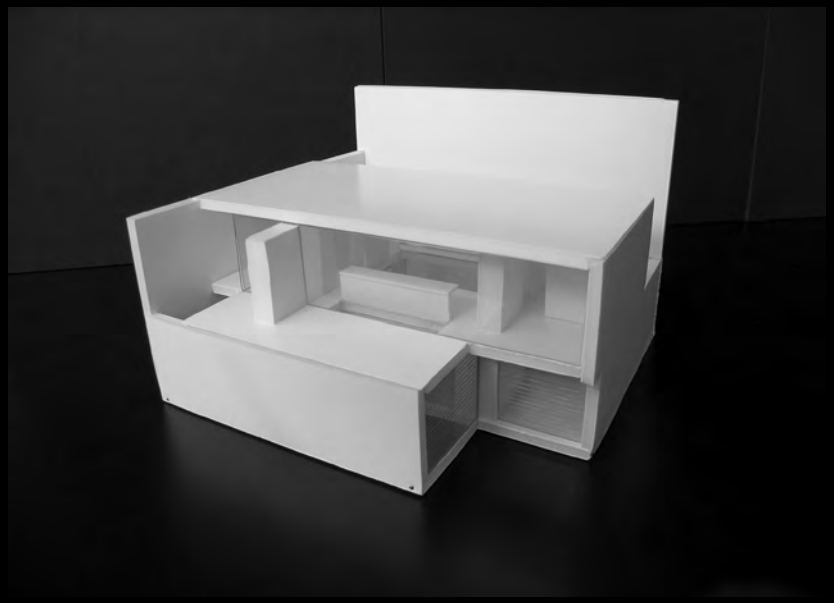
Interior space

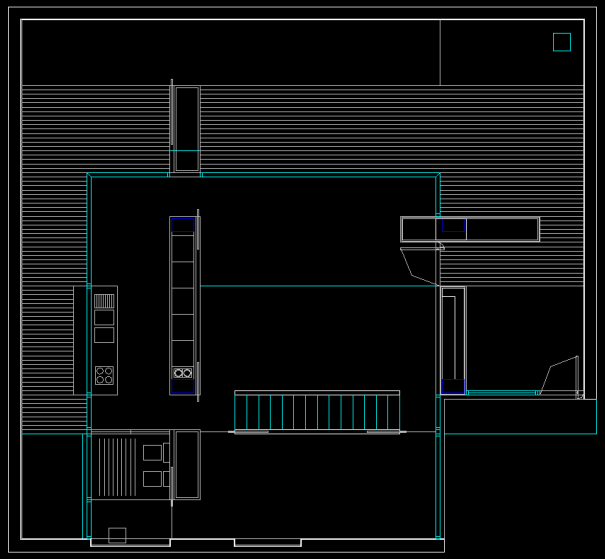
Exterior space

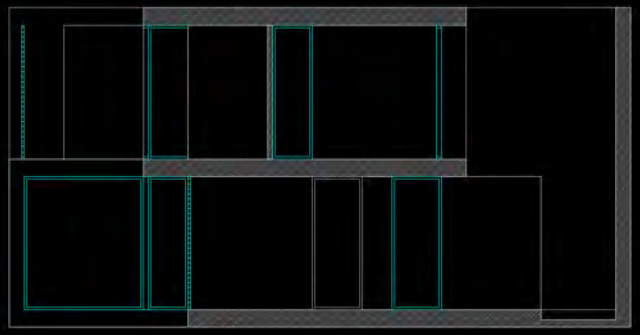
Storage module

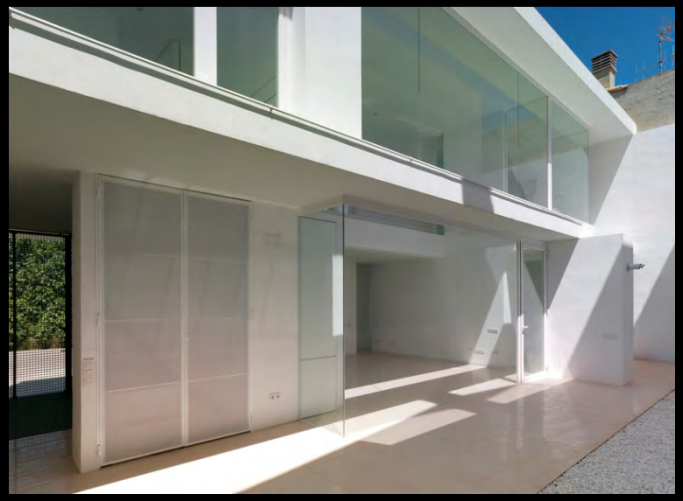
stairs

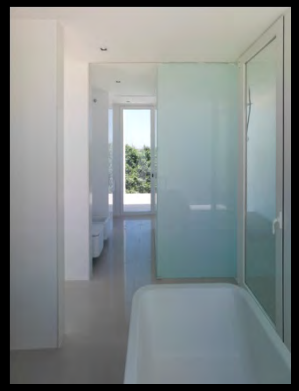


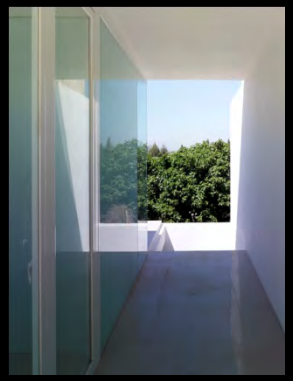


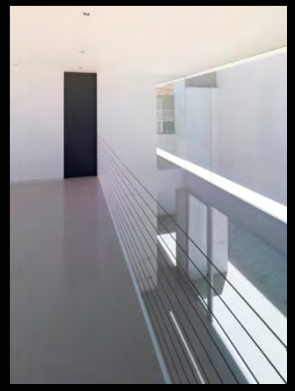








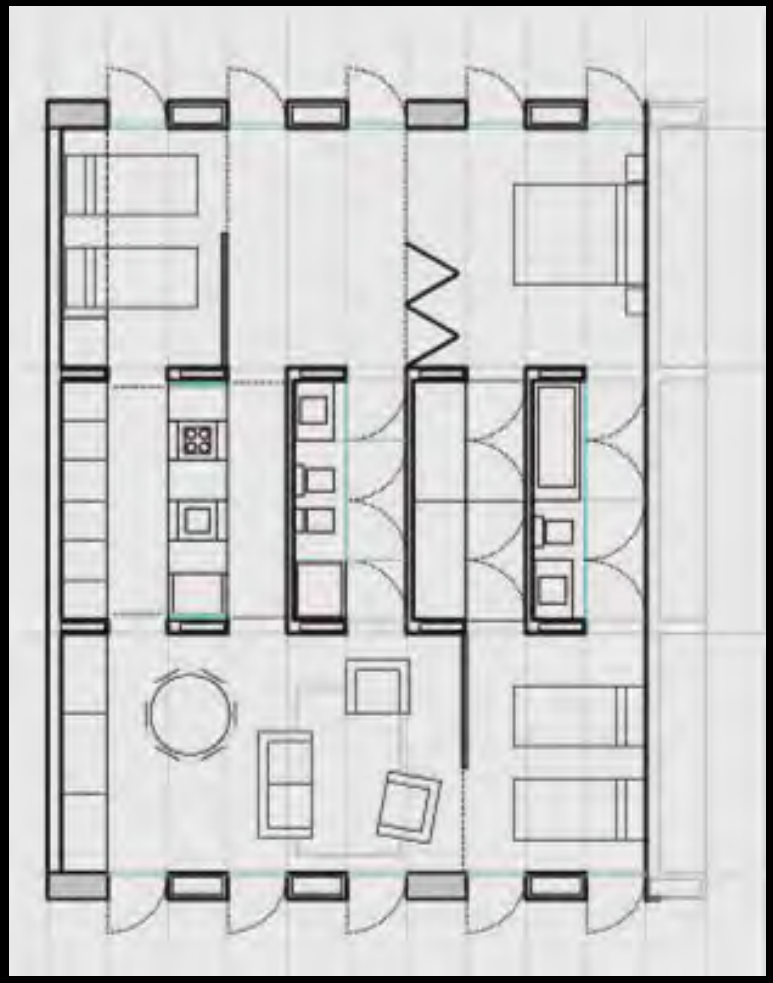


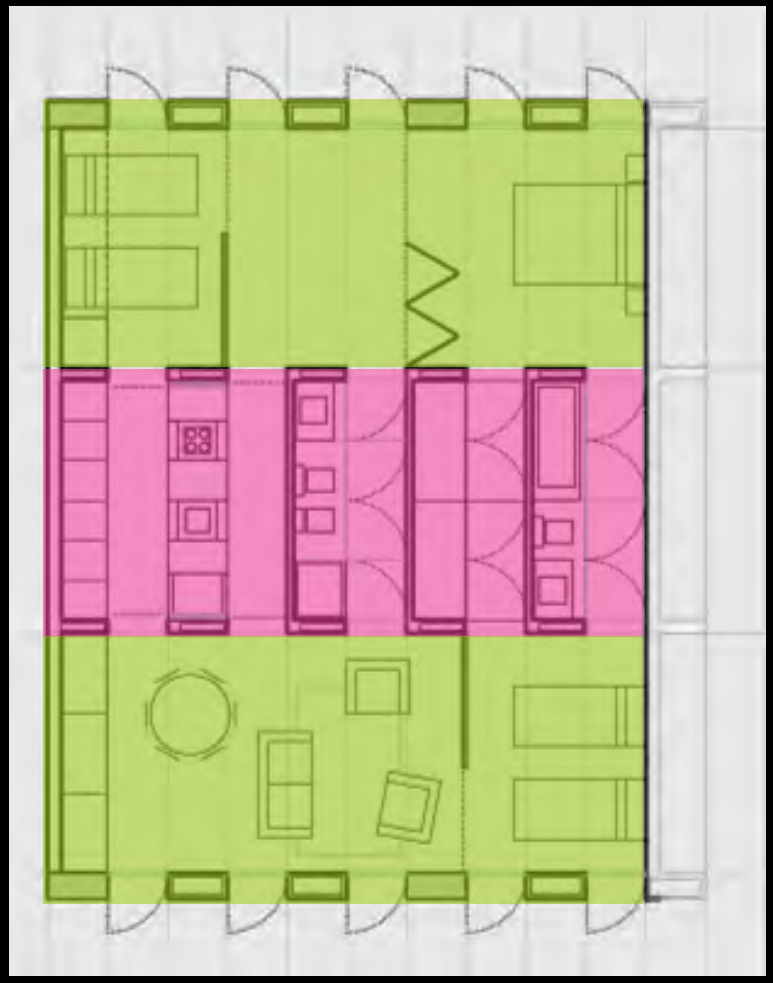


3 FLEXIBLE TECHNICAL NODES

INVESTIGATION: INTERFACE SYSTEM

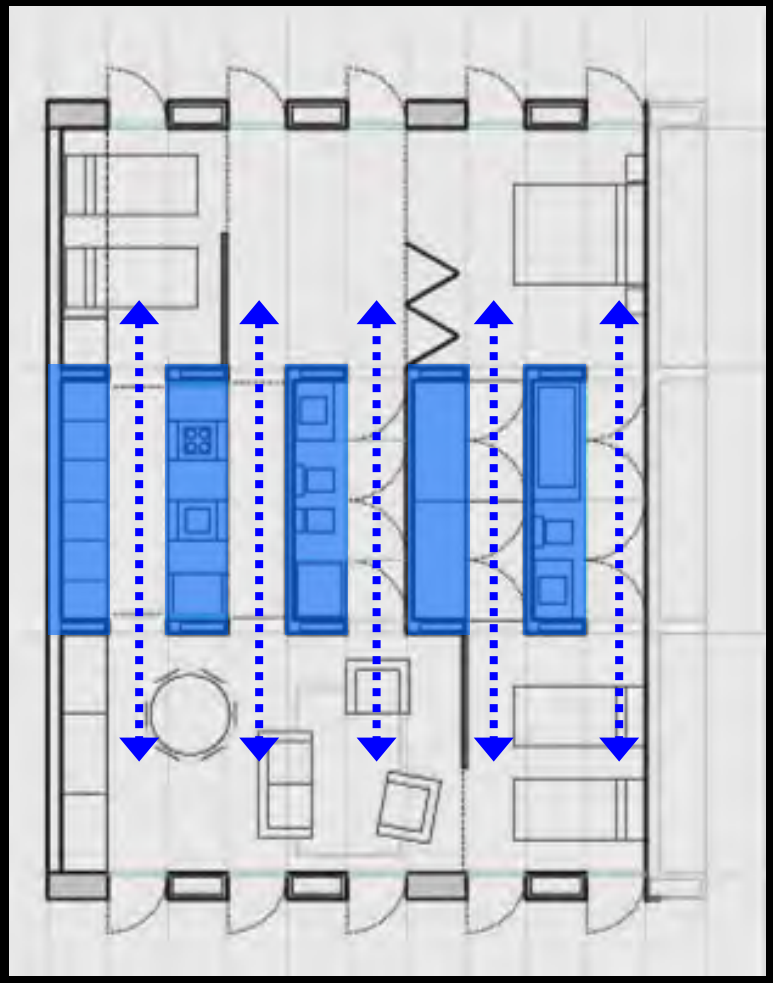
150 HOUSING UNITS IVVSA (VALENCIAN INSTITUTE OF HOUSING)





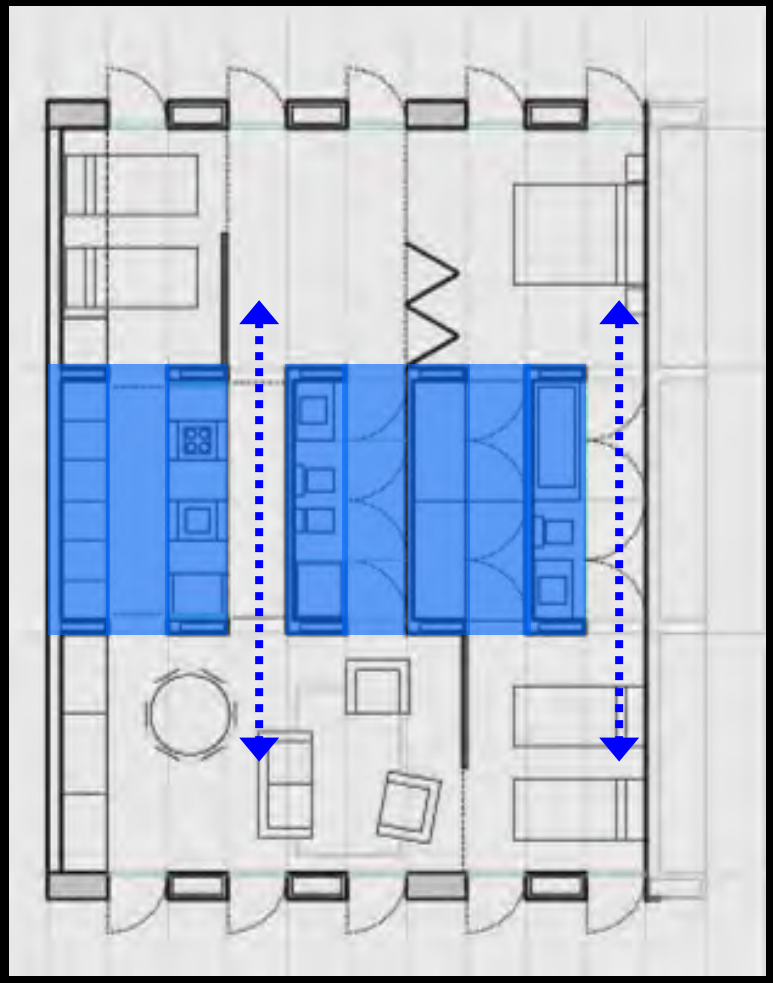
SERVER BAND

SERVED BAND



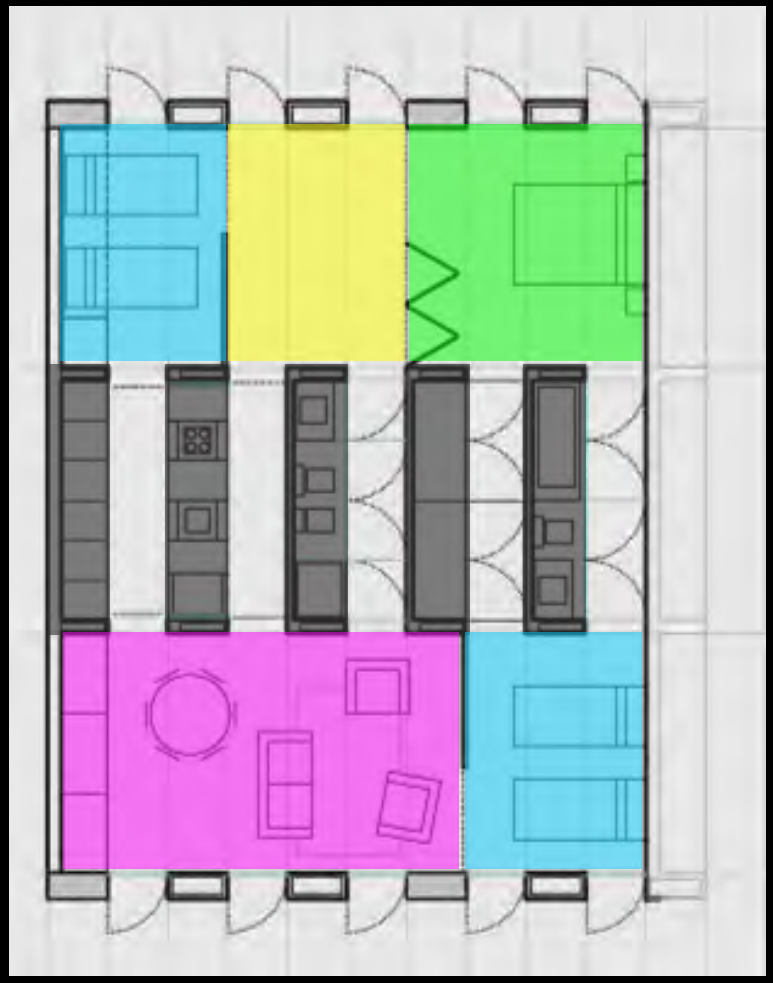
FILTERED SPACE

FILTERED SPACE



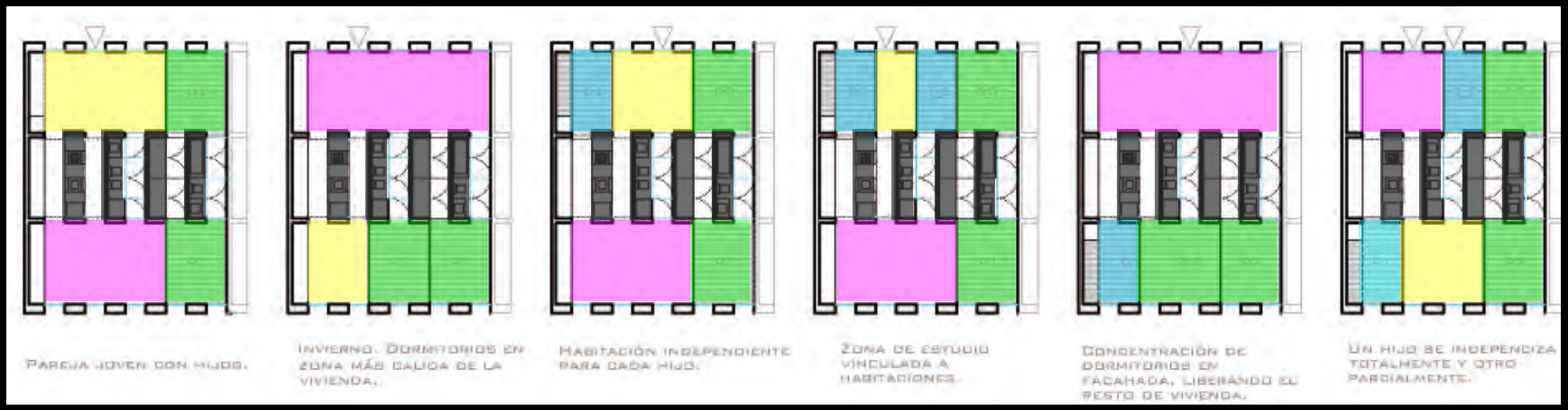
FILTERED SPACE

FILTERED SPACE

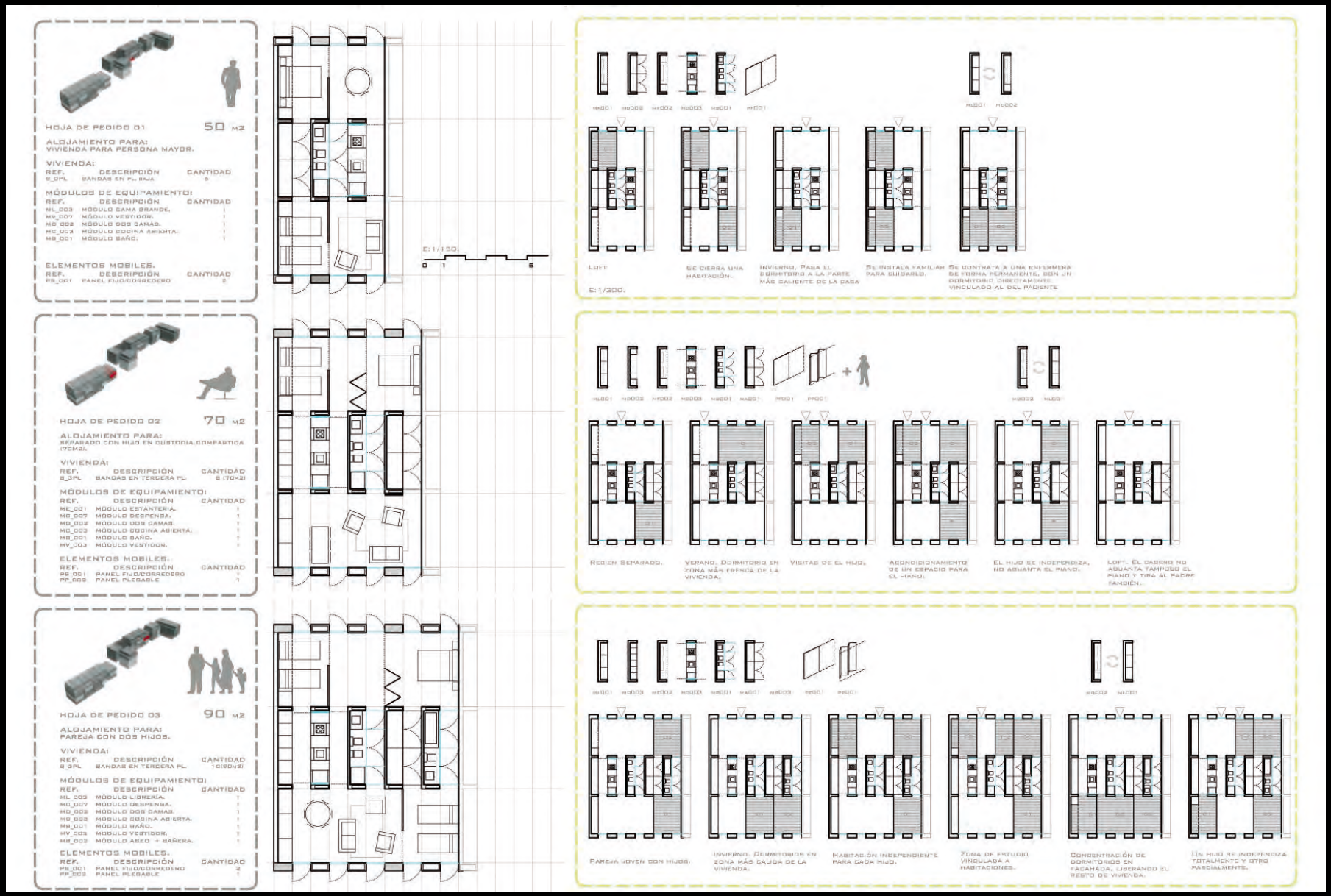


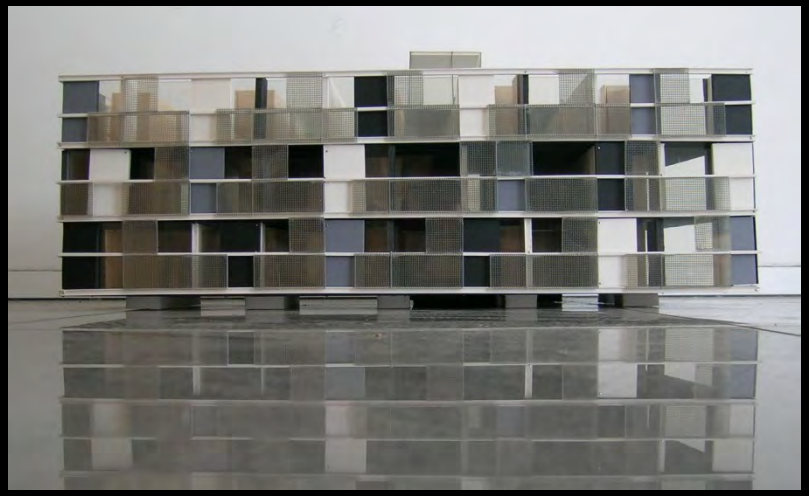
Flexible SPACE

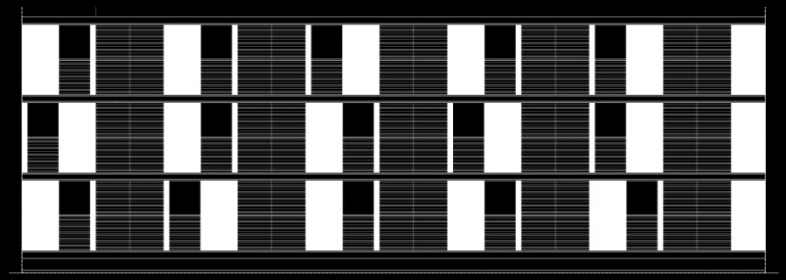
Flexible SPACE

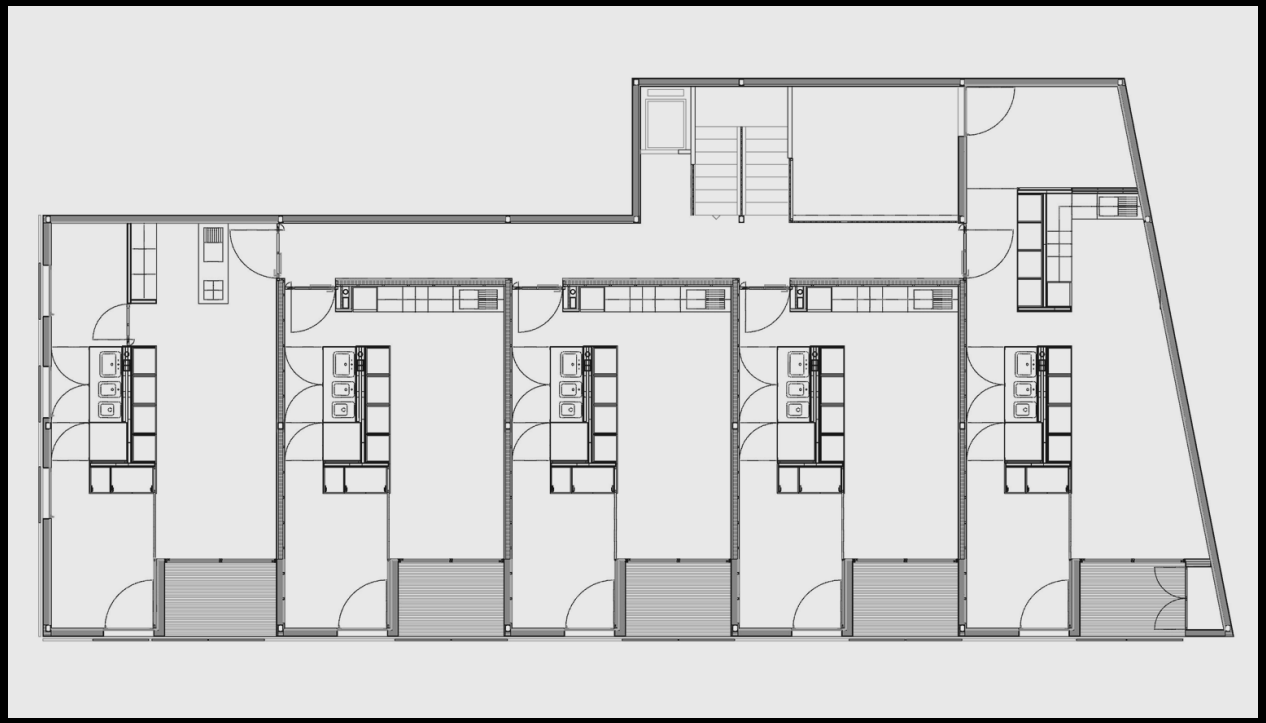


RECONFIGURATION OF INNER SPACE – CHANGING WAYS OF LIFE



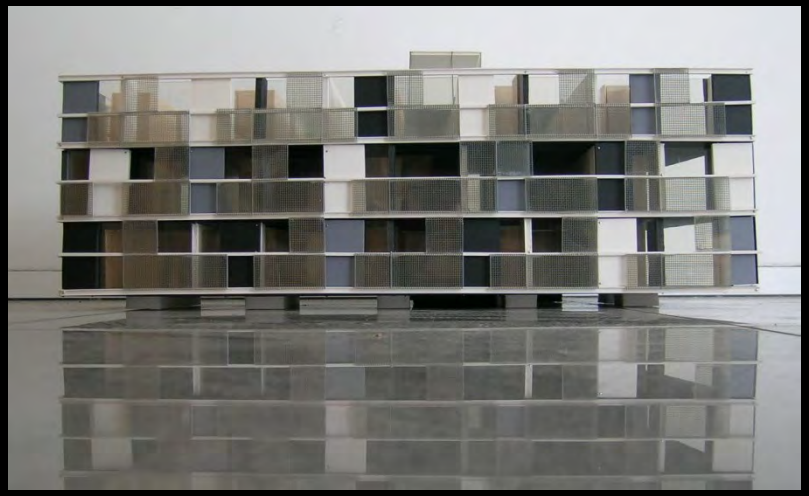


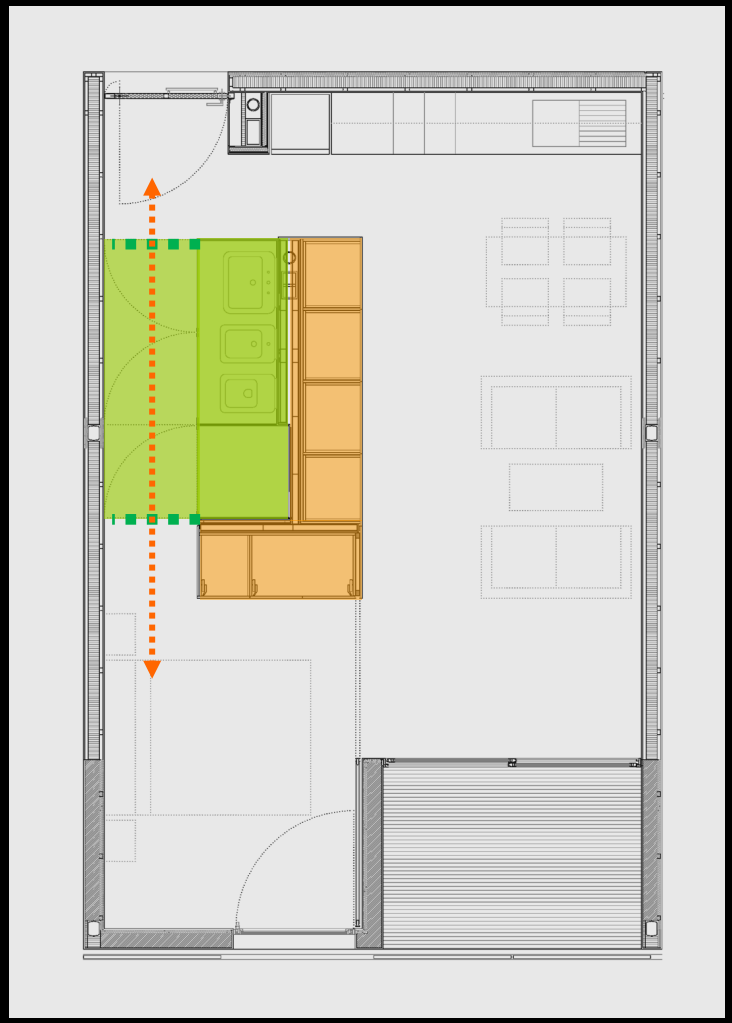




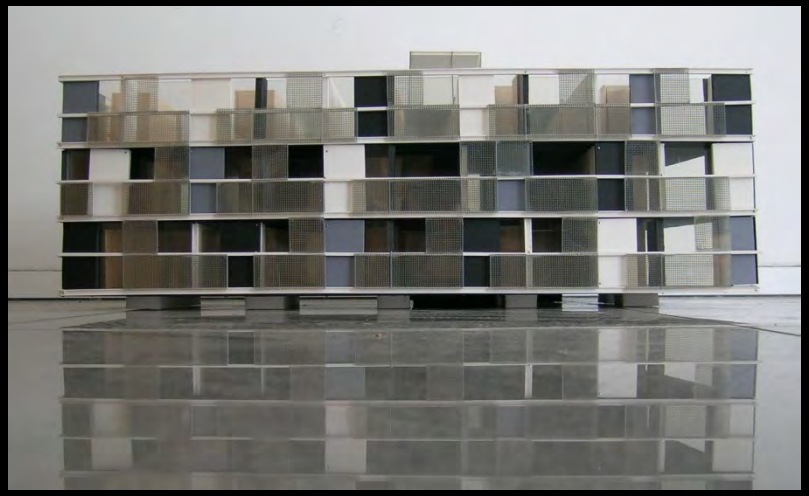
CONSTRUCTION 1: VNL 15 BUILDING

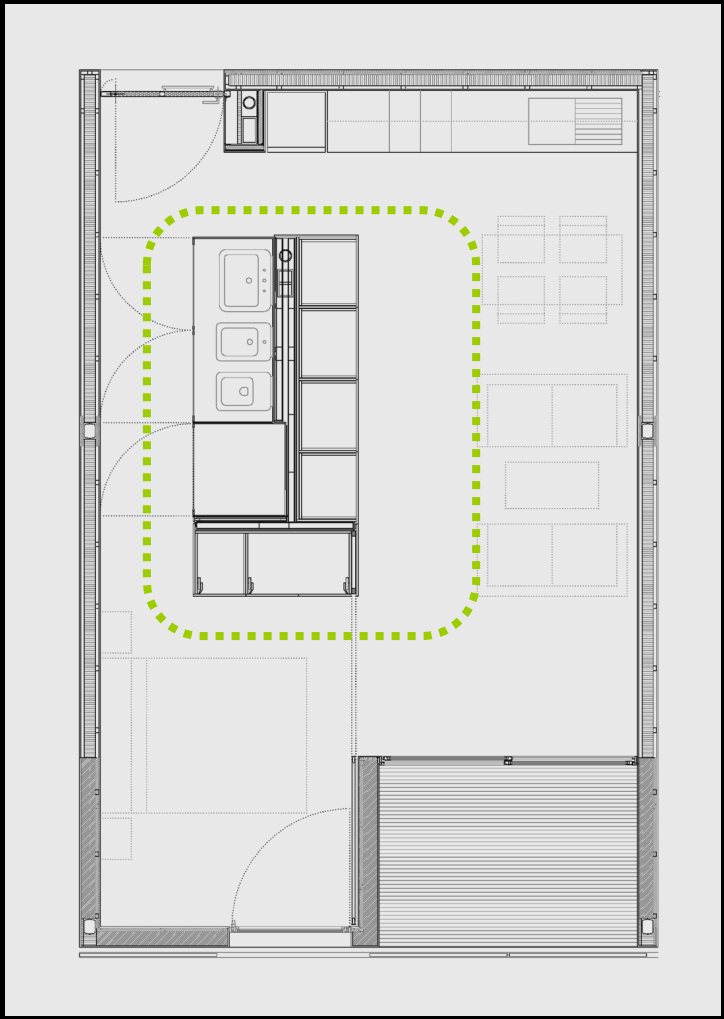
15 HOUSING UNITS FOR A PRIVATE CONTRACTOR



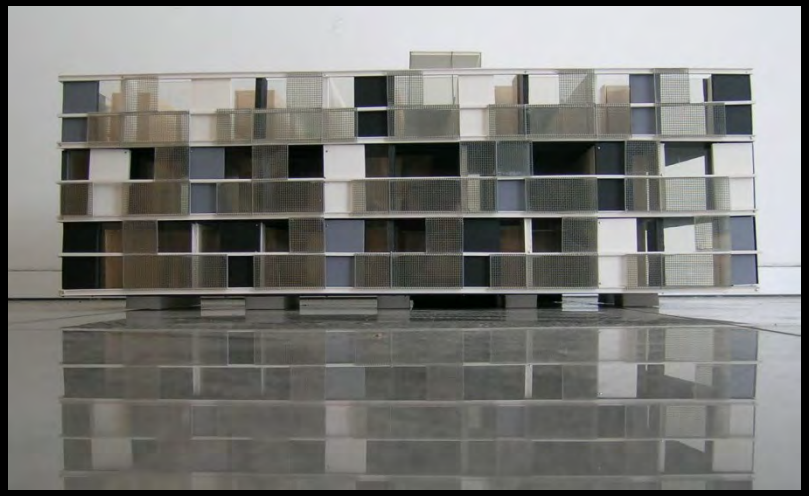


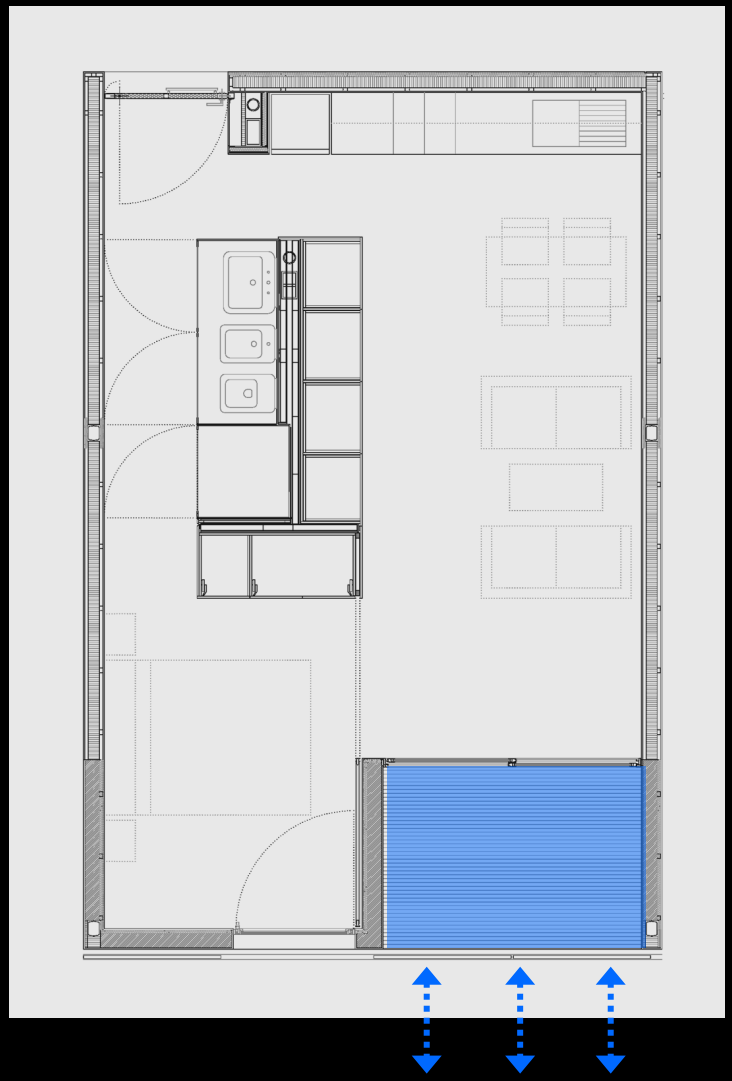
FLEXIBLE TECHNICAL NODE



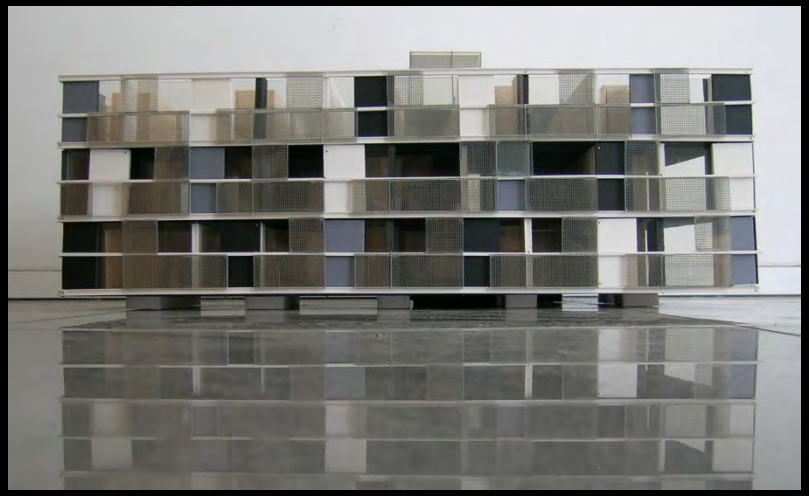


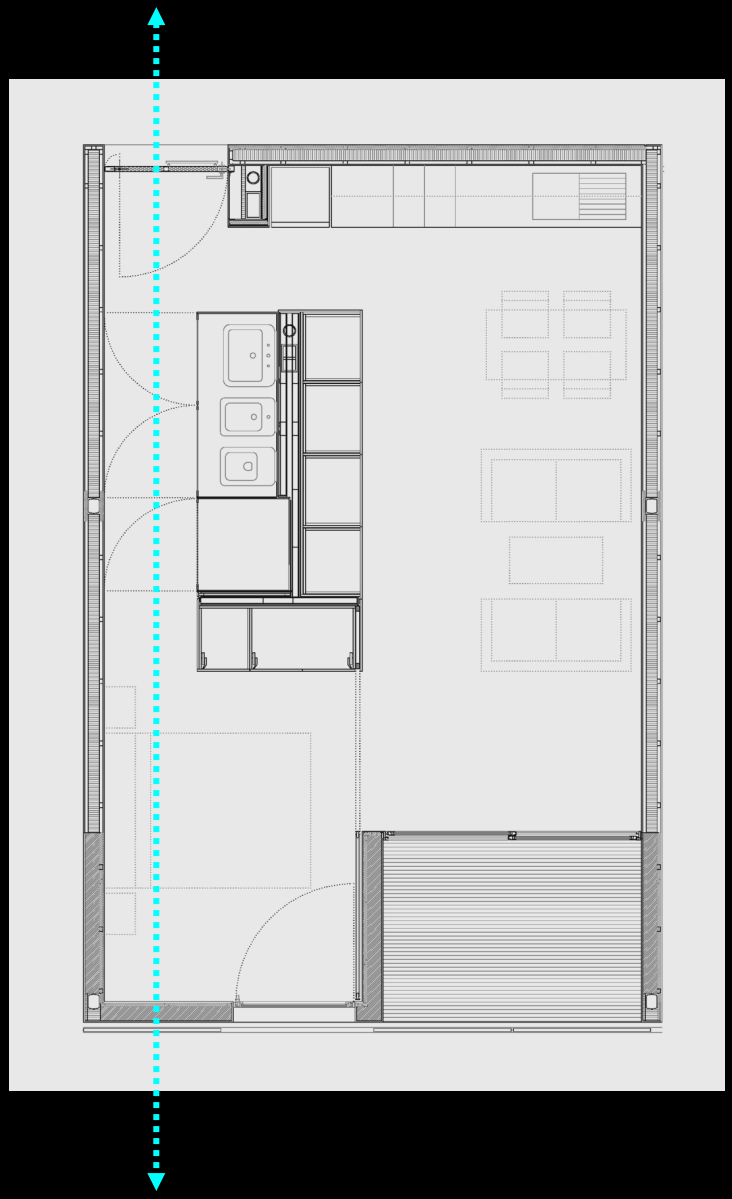
DOUBLE CIRCULATION



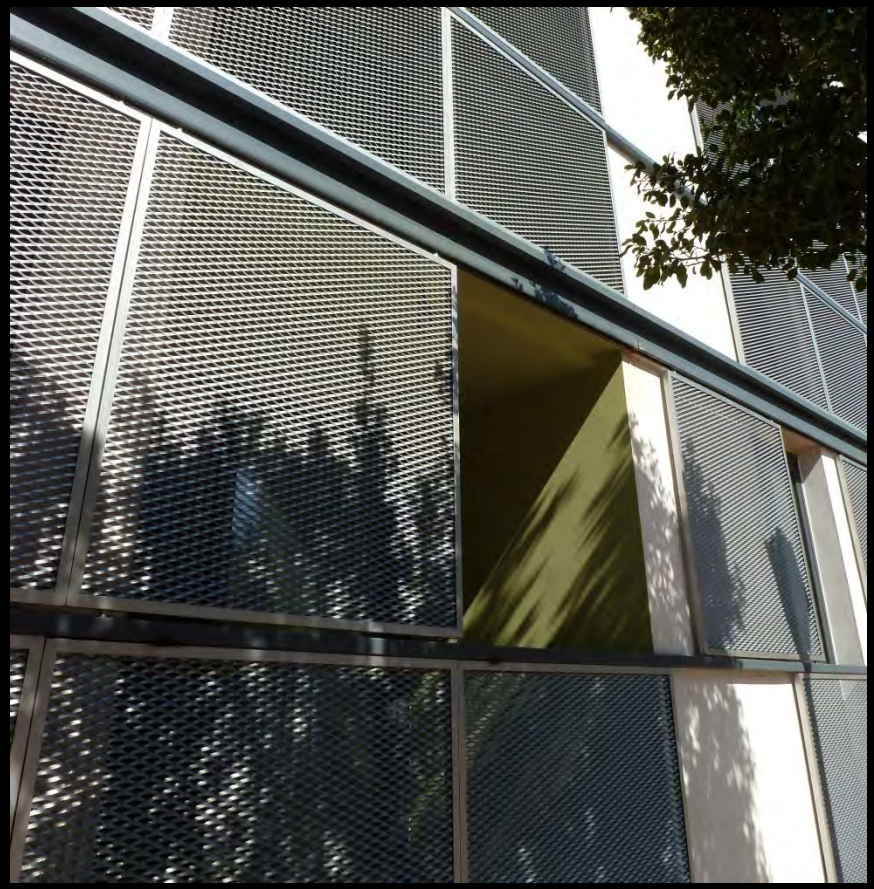


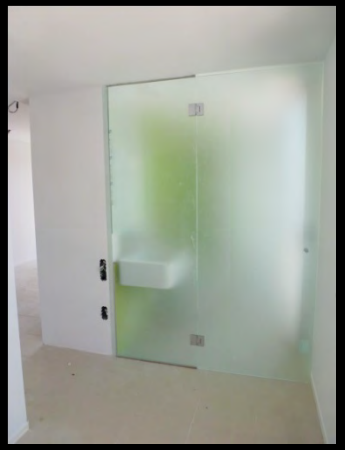
FILTER FAçADE



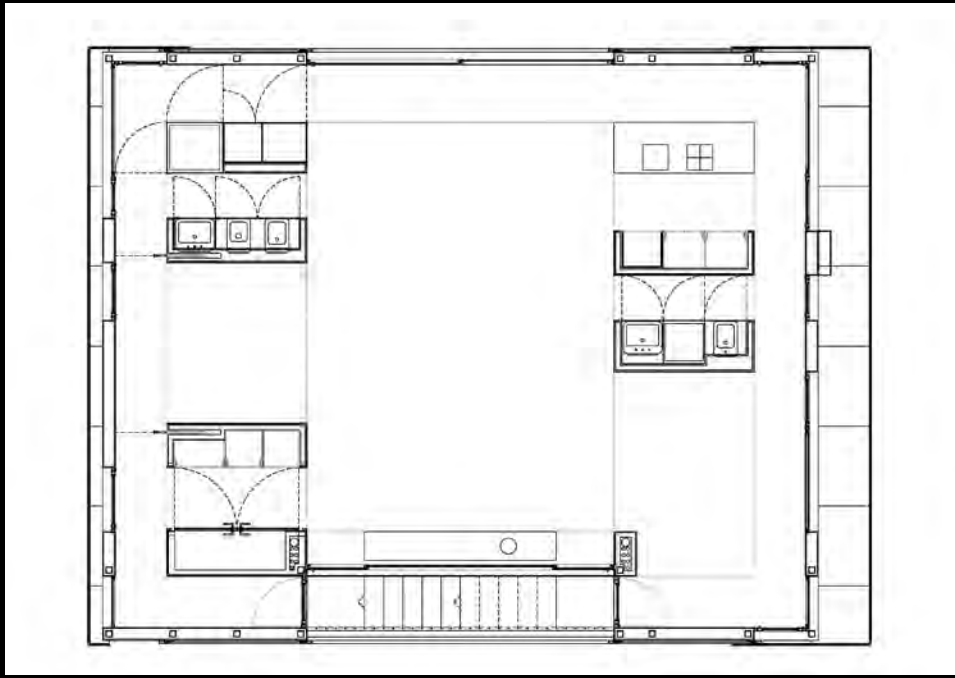


PASSING SPACE





CONSTRUCTION 2: JLI HOUSE

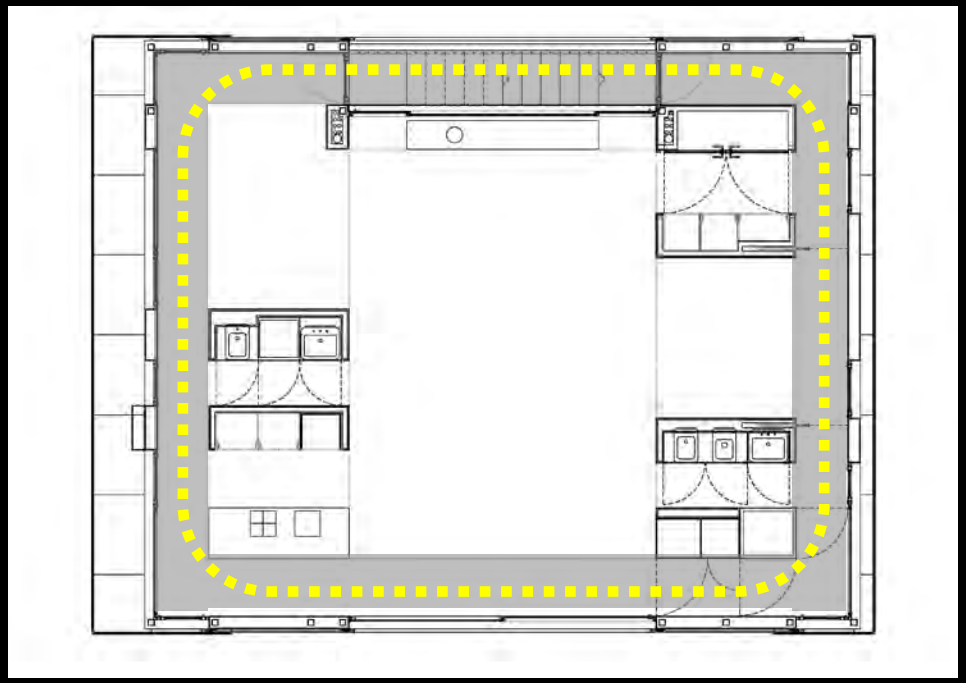


Ecotipos
Ecotypes
VIA

Server band

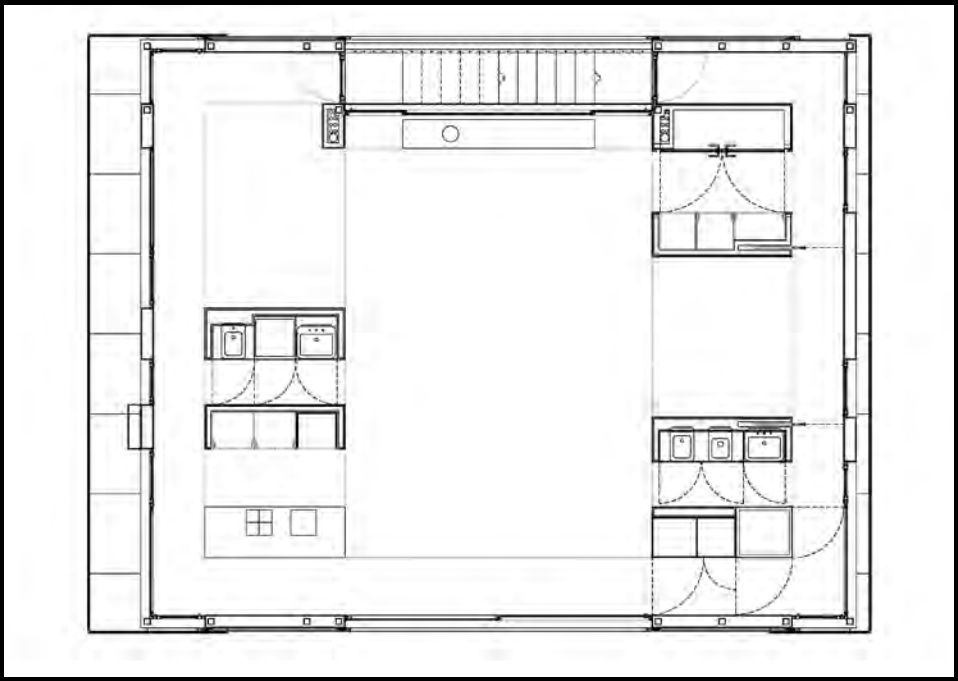
Served band

Perimetral circulation



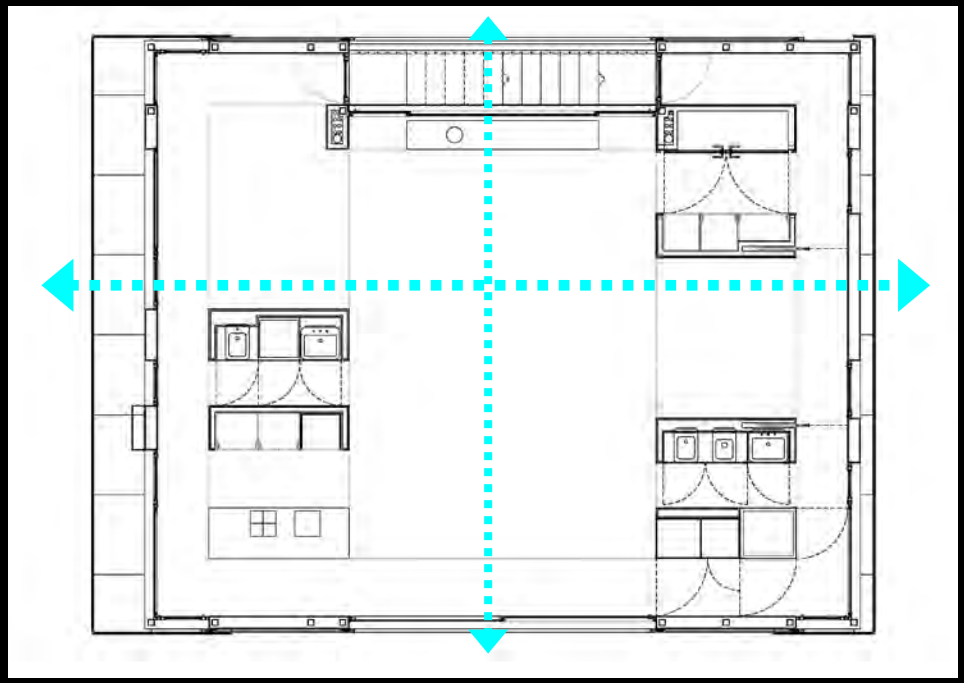
Flexible nodes

storage



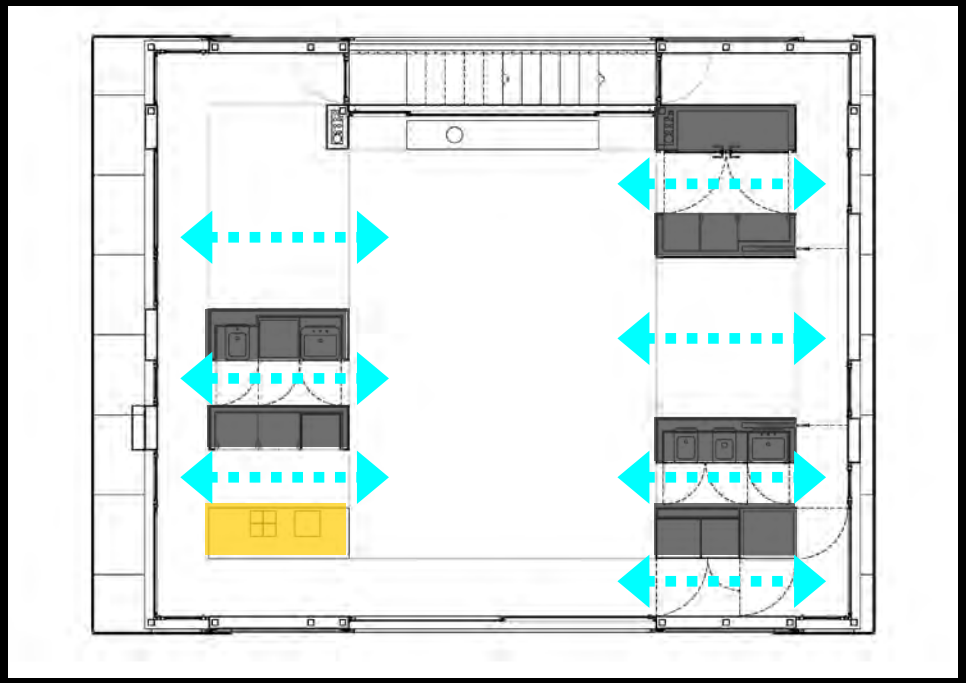
INTERIOR - EXTERIOR

PASSING SPACE



Engawa / Filter façade

Transparency
hybrid space



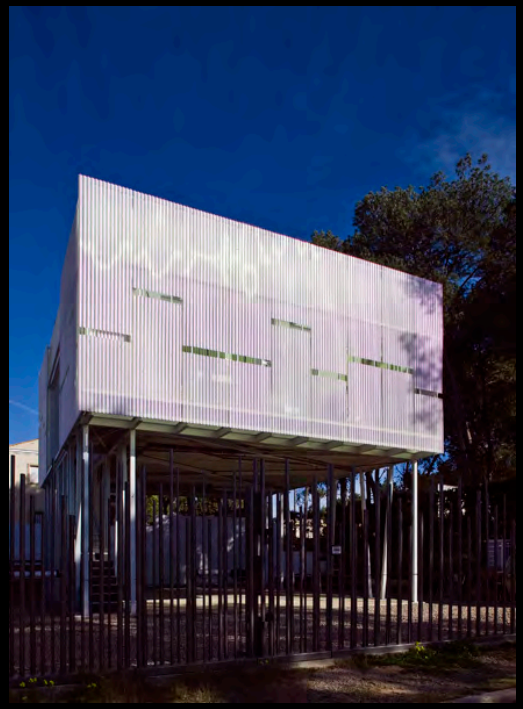
OPEN

CLOSE

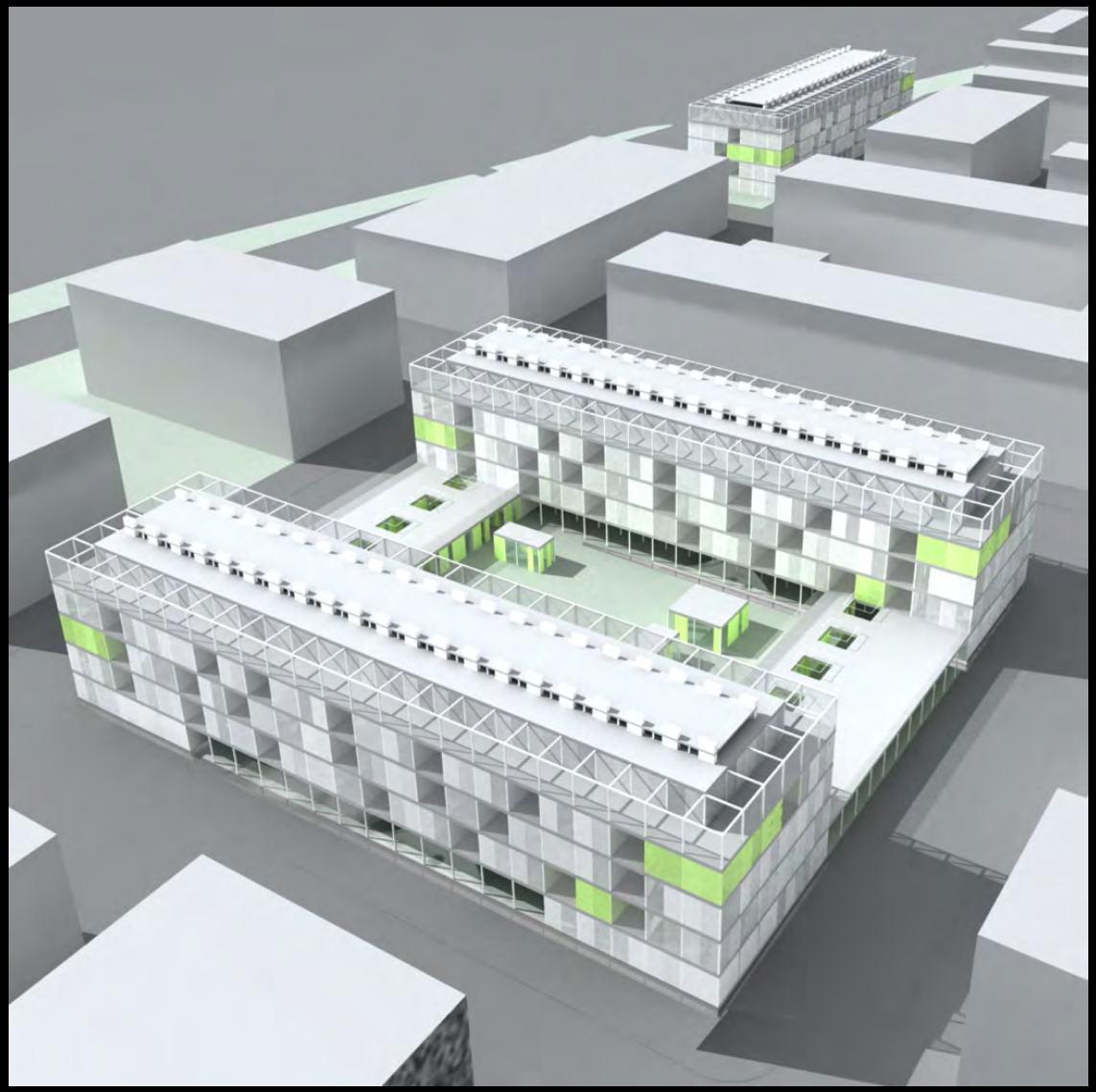
OPEN

CLOSE

IN & OUT



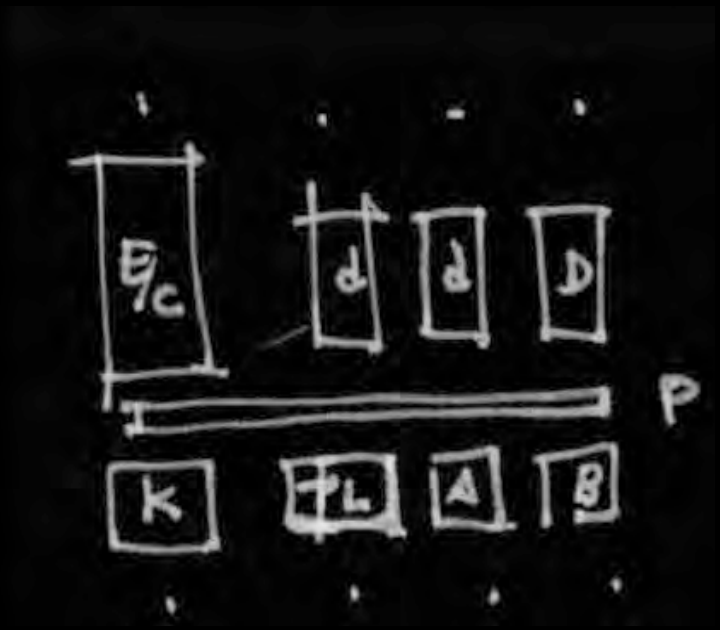
4 UBIQUITOUS CUBES



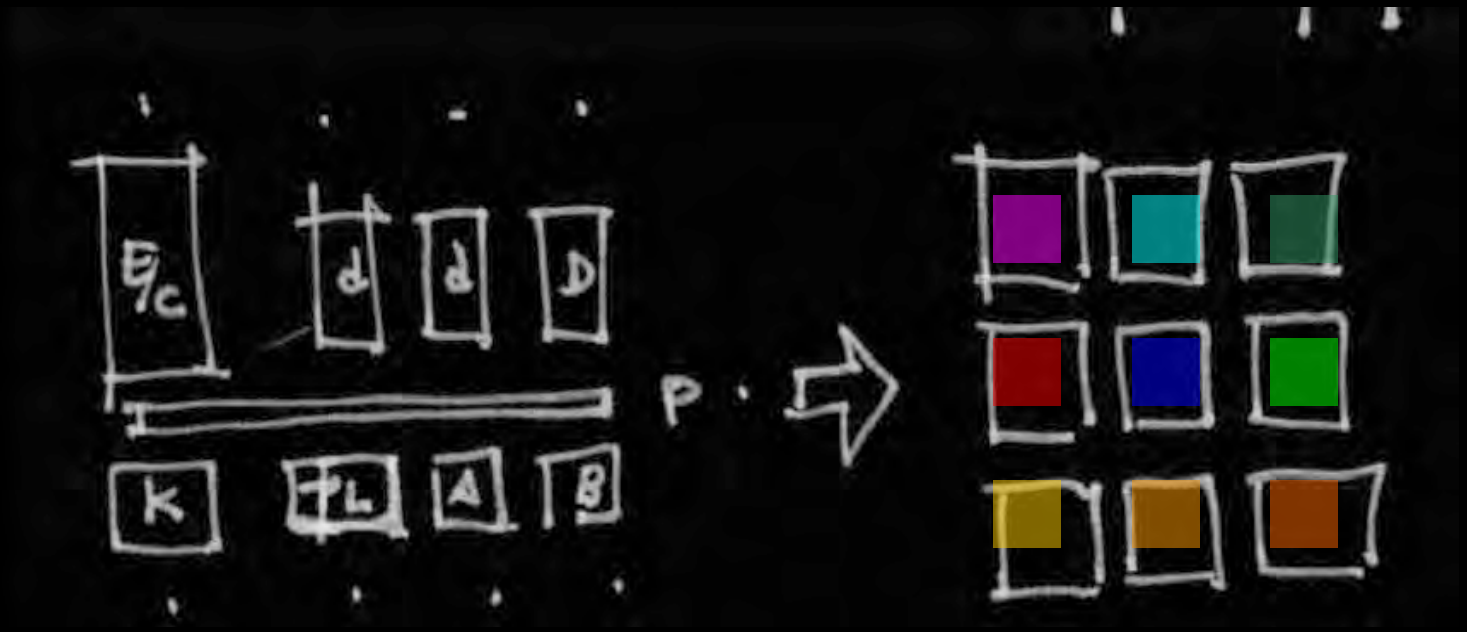
INVESTIGATION: UBIQUITOUS SYSTEM

UBI 180 BUILDING

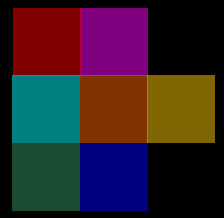
180 HOUSING UNITS FOR EPSA (ANDALUSIAN HOUSING PUBLIC INSTITUTE)



FROM TRADITIONAL SCHEME TO A NEW RETICULAR NET OF SPACES



FROM TRADITIONAL SCHEME TO A NEW RETICULAR NET OF SPACES



SPACE 1 10 M2

SPACE 2 10 M2

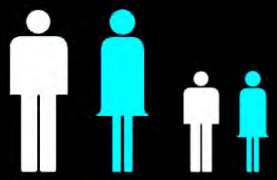
SPACE 3 10 M2

SPACE4 10 M2

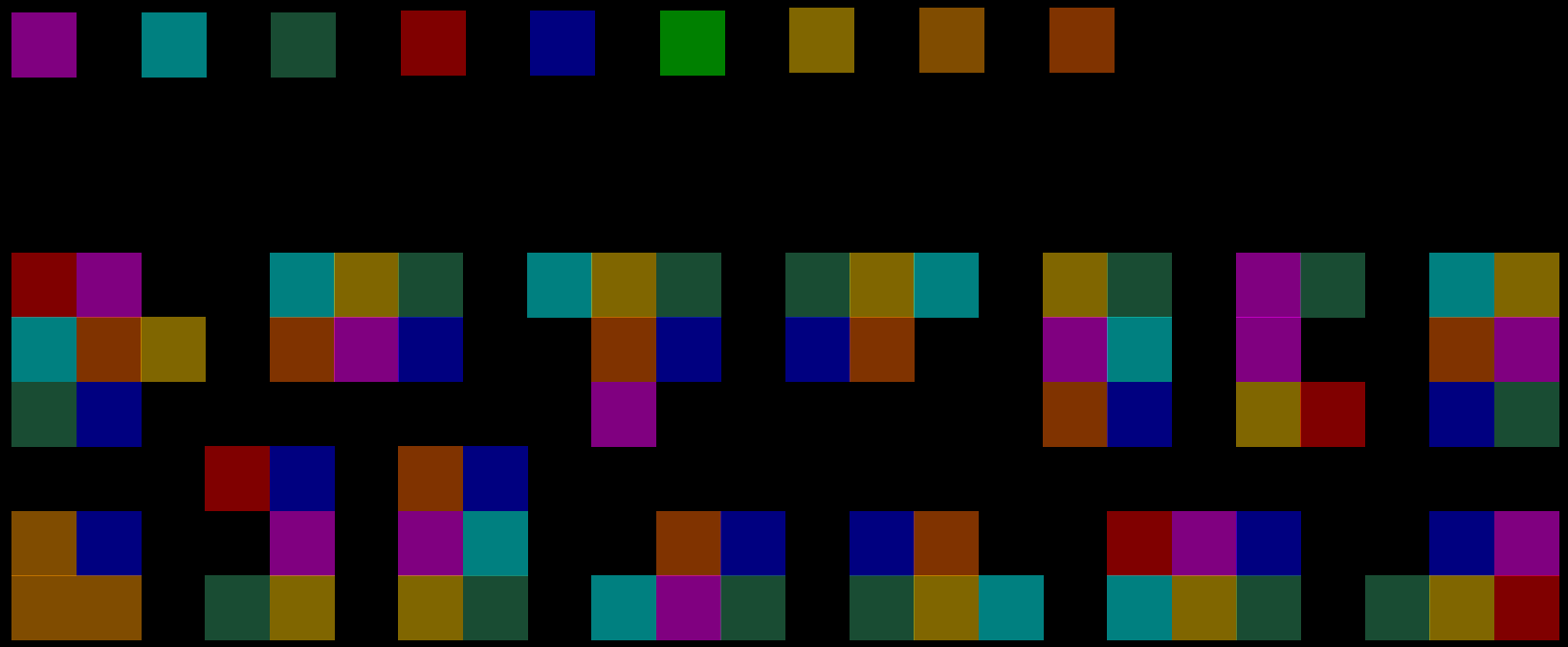
SPACE 5 10 M2

SPACE 6 10 M2

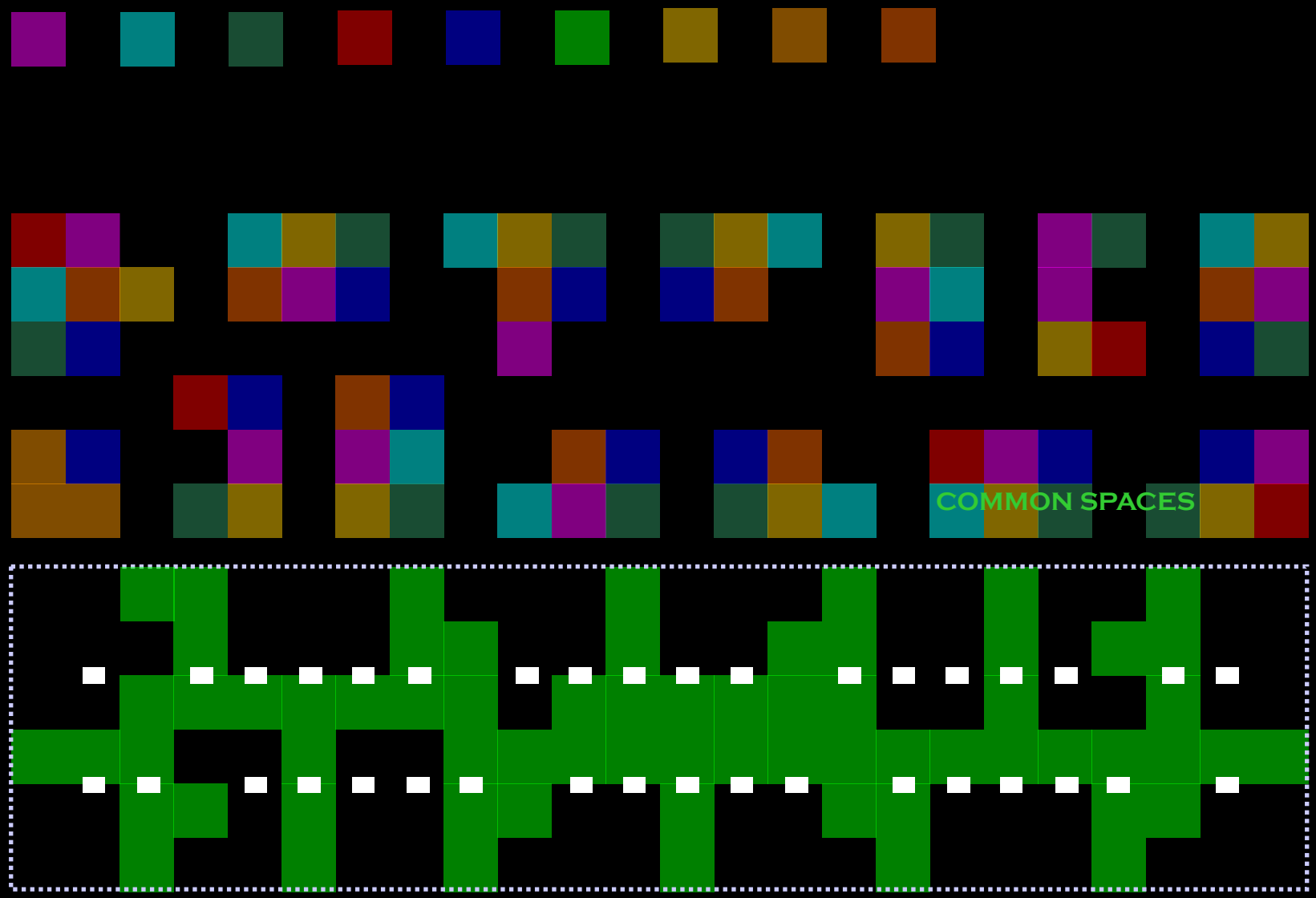
SPACE 7 10 M2



THE NEEDING OF NON-DEFINED SPACES



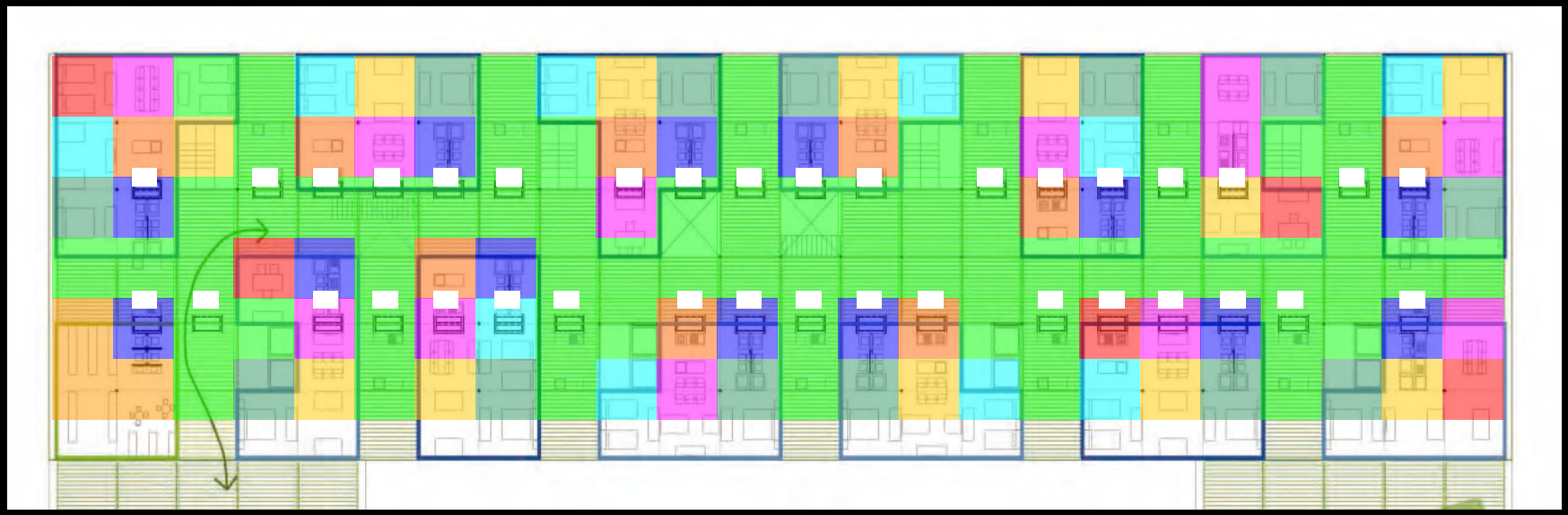
COMBINATORIAL UNITS

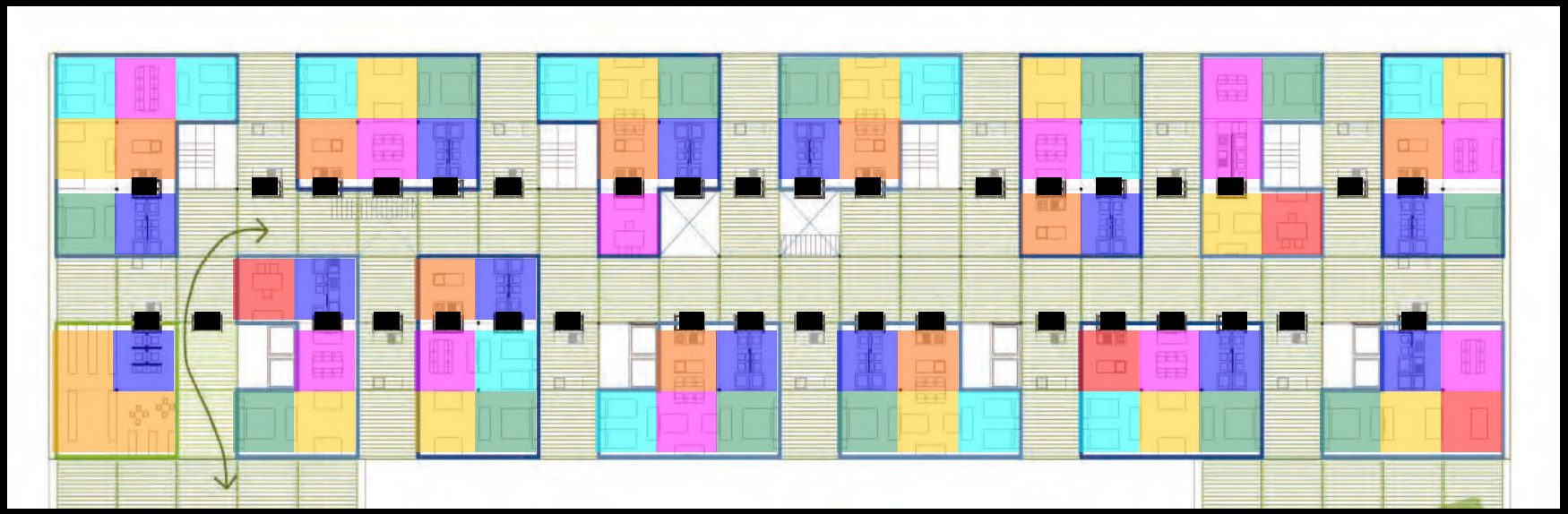


POSITION IN THE MATRIX

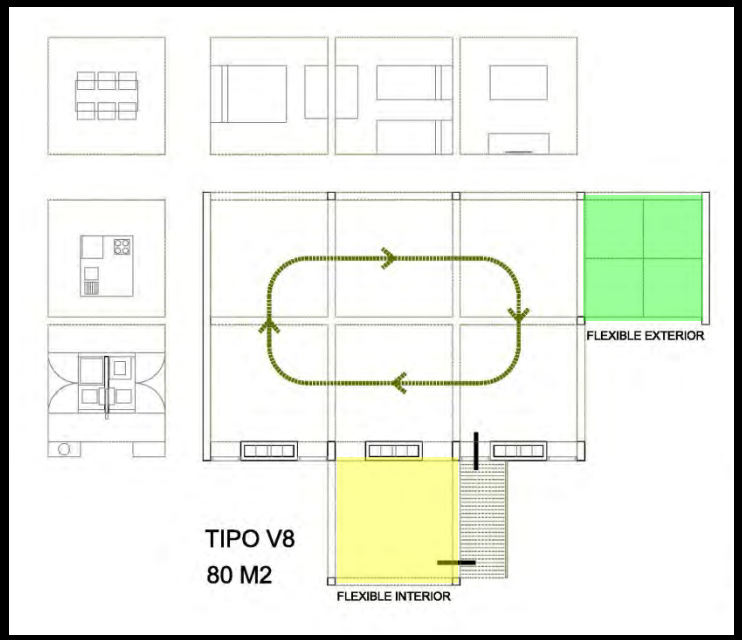
UTILITIES ORDER SYSTEM

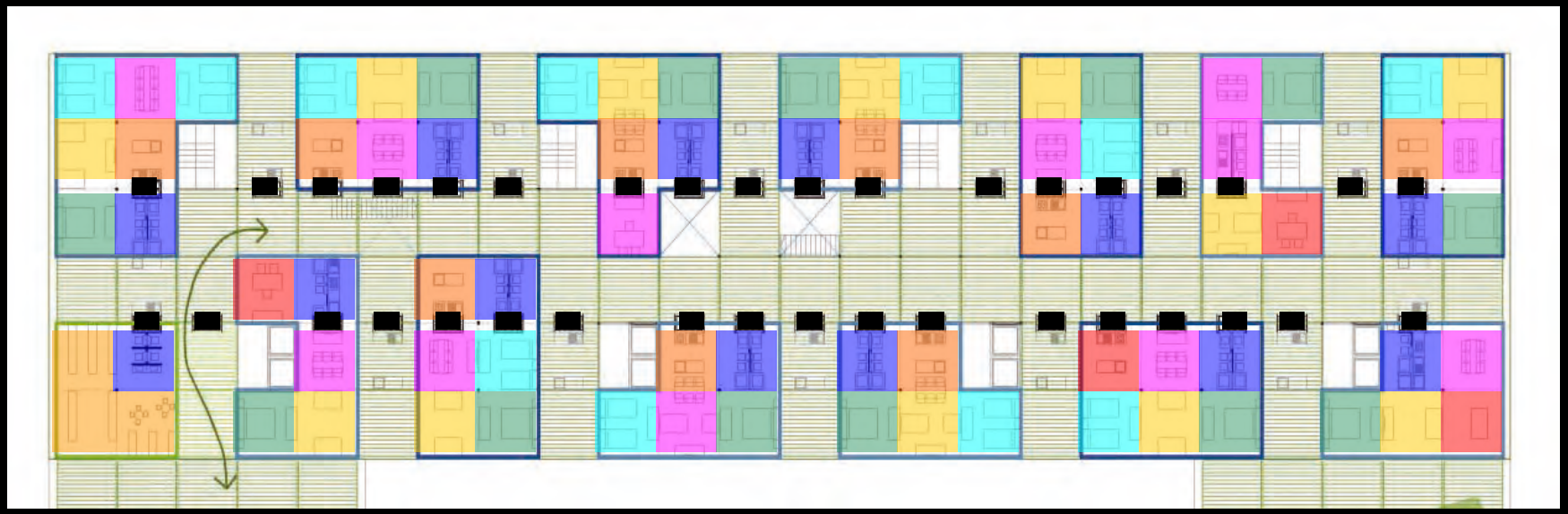
COMMON SPACES



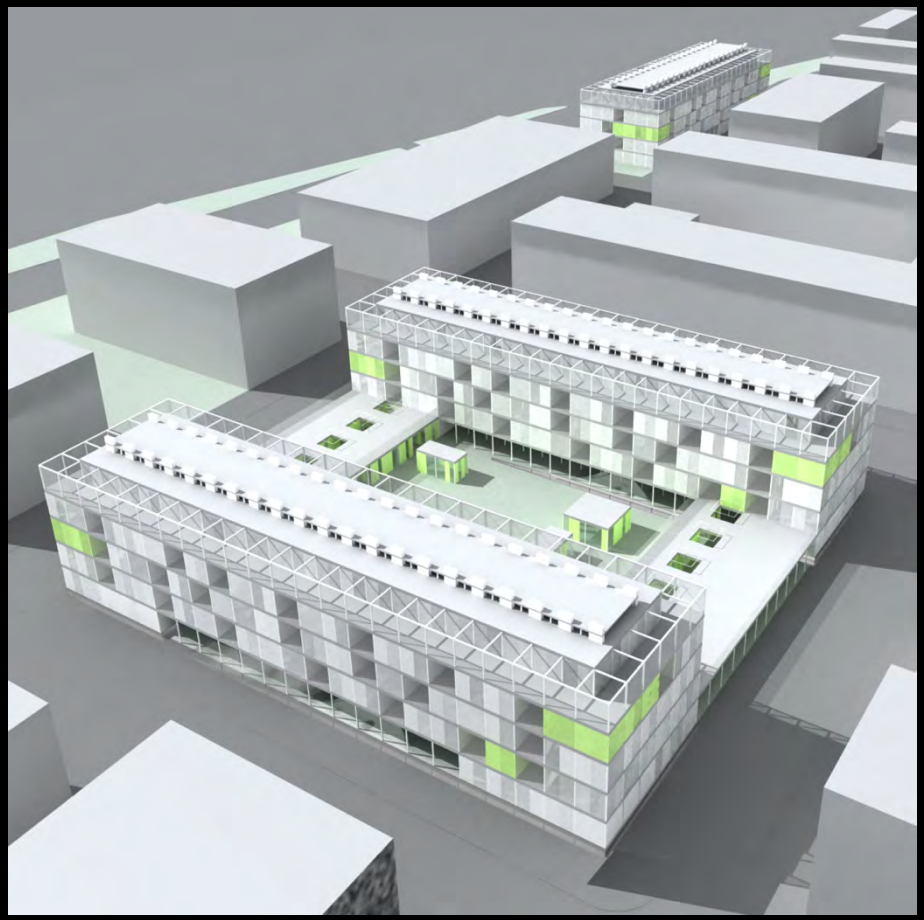


A NEW DOMINO SCHEME: UTILITIES AS ORDER STRATEGY



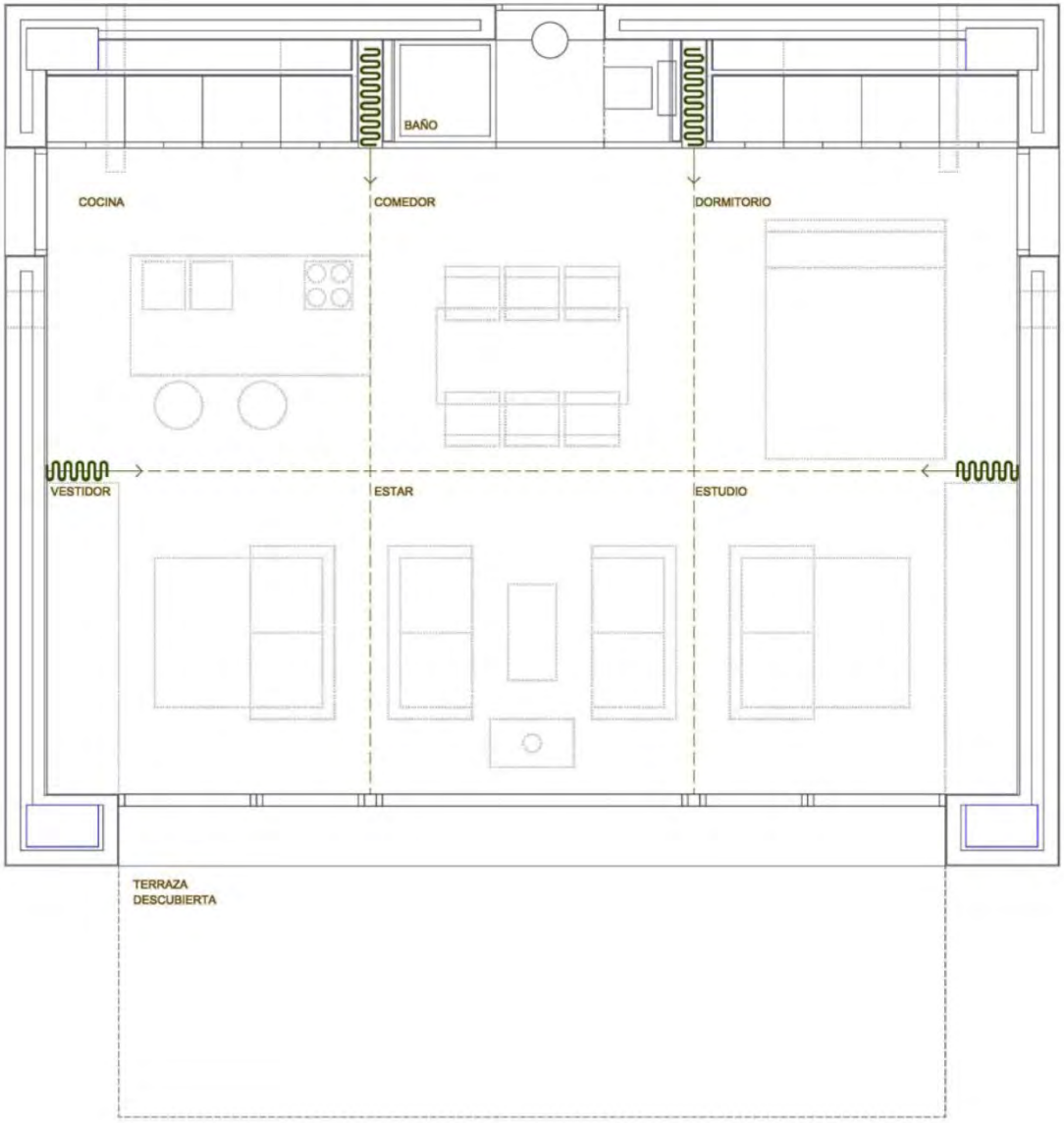


FREE DISPOSITION DUE TO THE UTILITIES COLUMNS



THE BLOCK

CONSTRUCTION: M+J HOUSE


BAÑO
COCINA
COMEDOR
DORMITORIO
VESTIDOR
ESTAR
ESTUDIO
TERRAZA
DESCUBIERTA

V01

TODO ABIERTO APARTAMENTO

V02

COCINA CERRADA

V03

1 DORMITORIO VERANO

V04

1 DORMITORIO INVIERNO

V05

DORMITORIO SUITE

V06

DORMITORIO+ESTUDIO

V07

2 DORMITORIOS VERANO

V08

2 DORMITORIOS INVIERNO

V09

DORMITORIO+BAÑO

V10

COCINA-COMEDOR

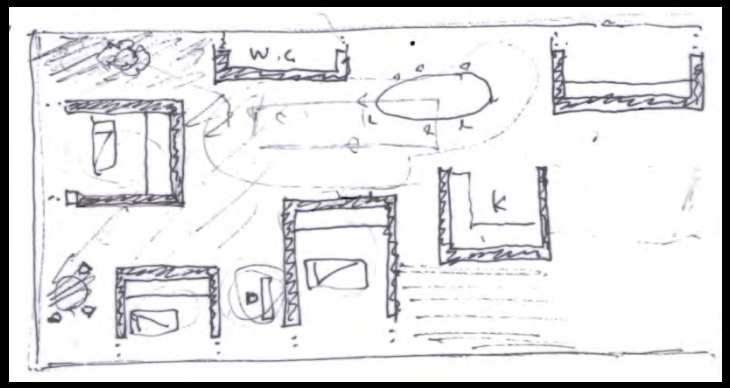
V11

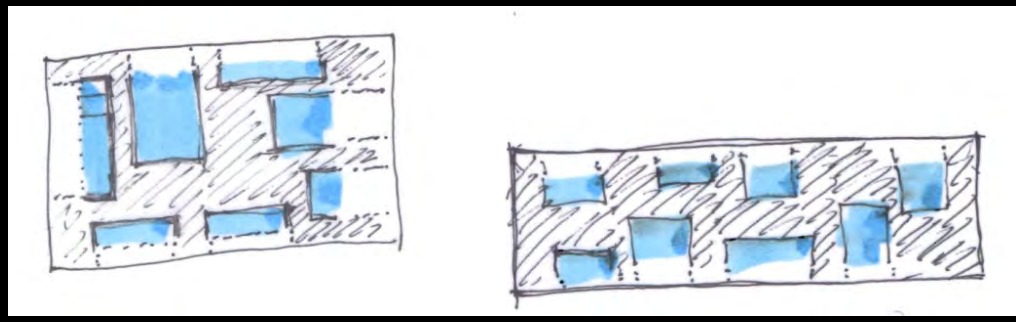
3 DORMITORIOS COCINA ABIERTA

V12

3 DORMITORIOS COCINA CERRADA

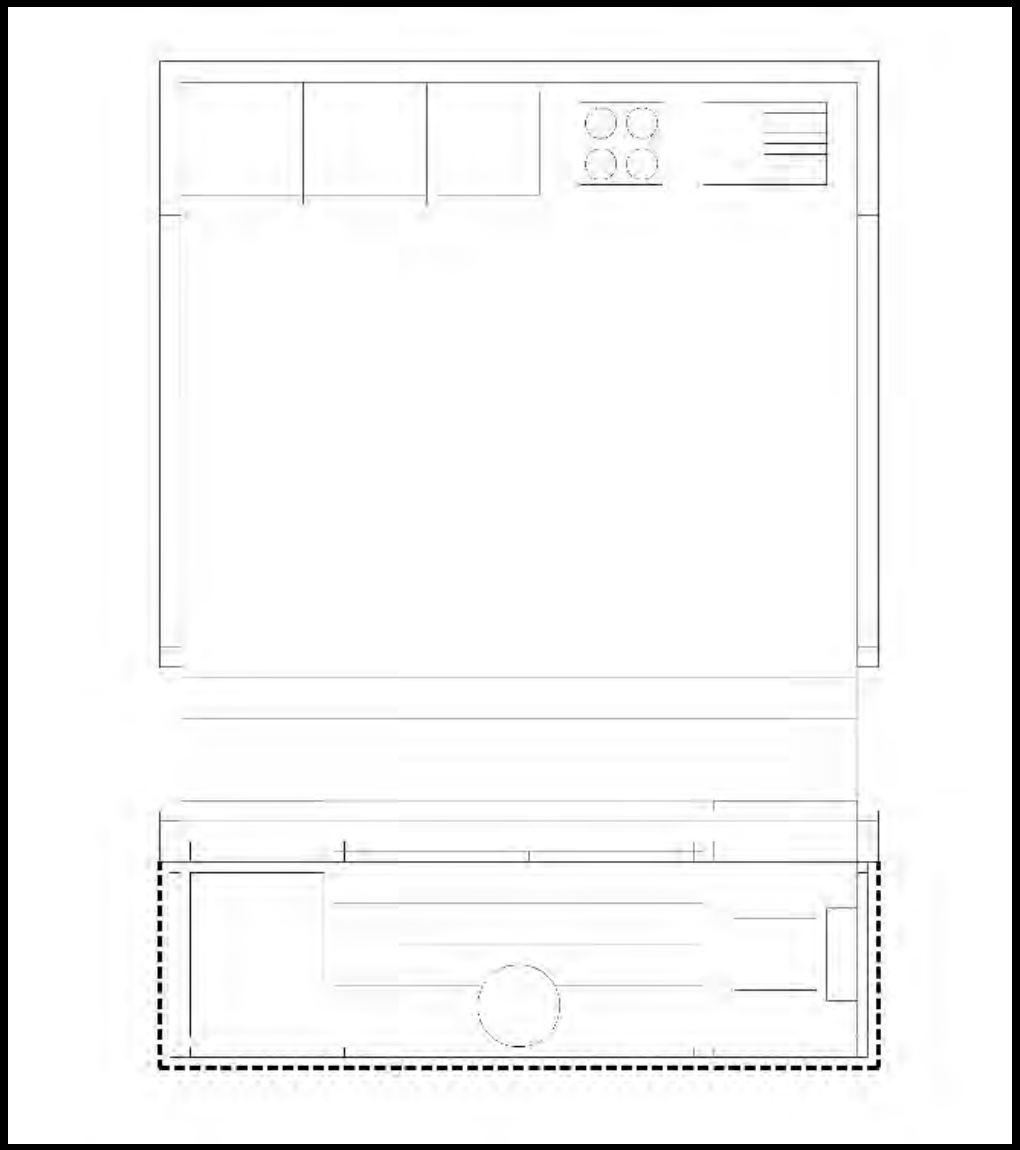
5 UBIQUITOUS SPACE

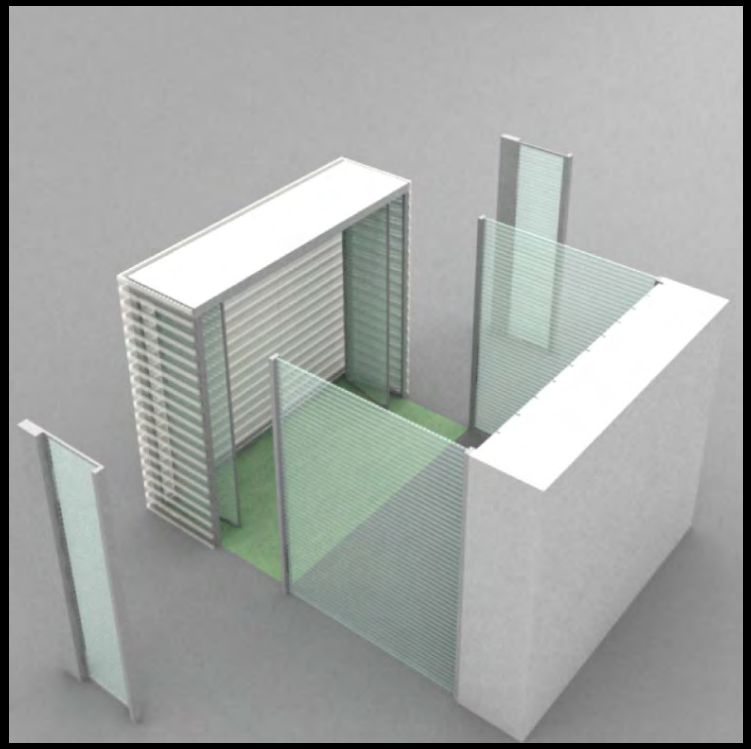




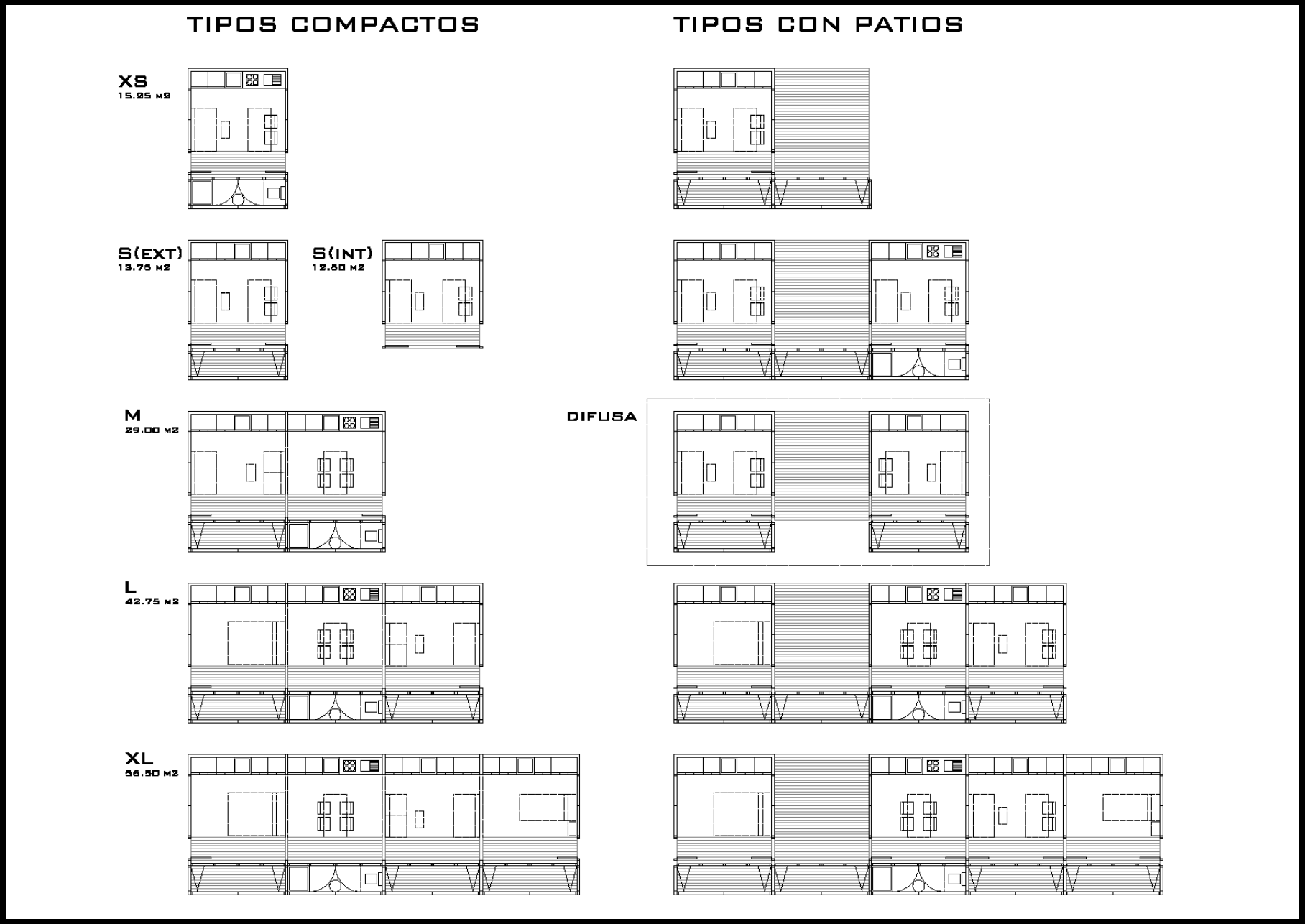
INVESTIGATION: UBITAT 1.0

90 HOUSING UNITS FOR VIMCORSA AND CONTEMPORARY ARCHITECTURE FOUNDATION





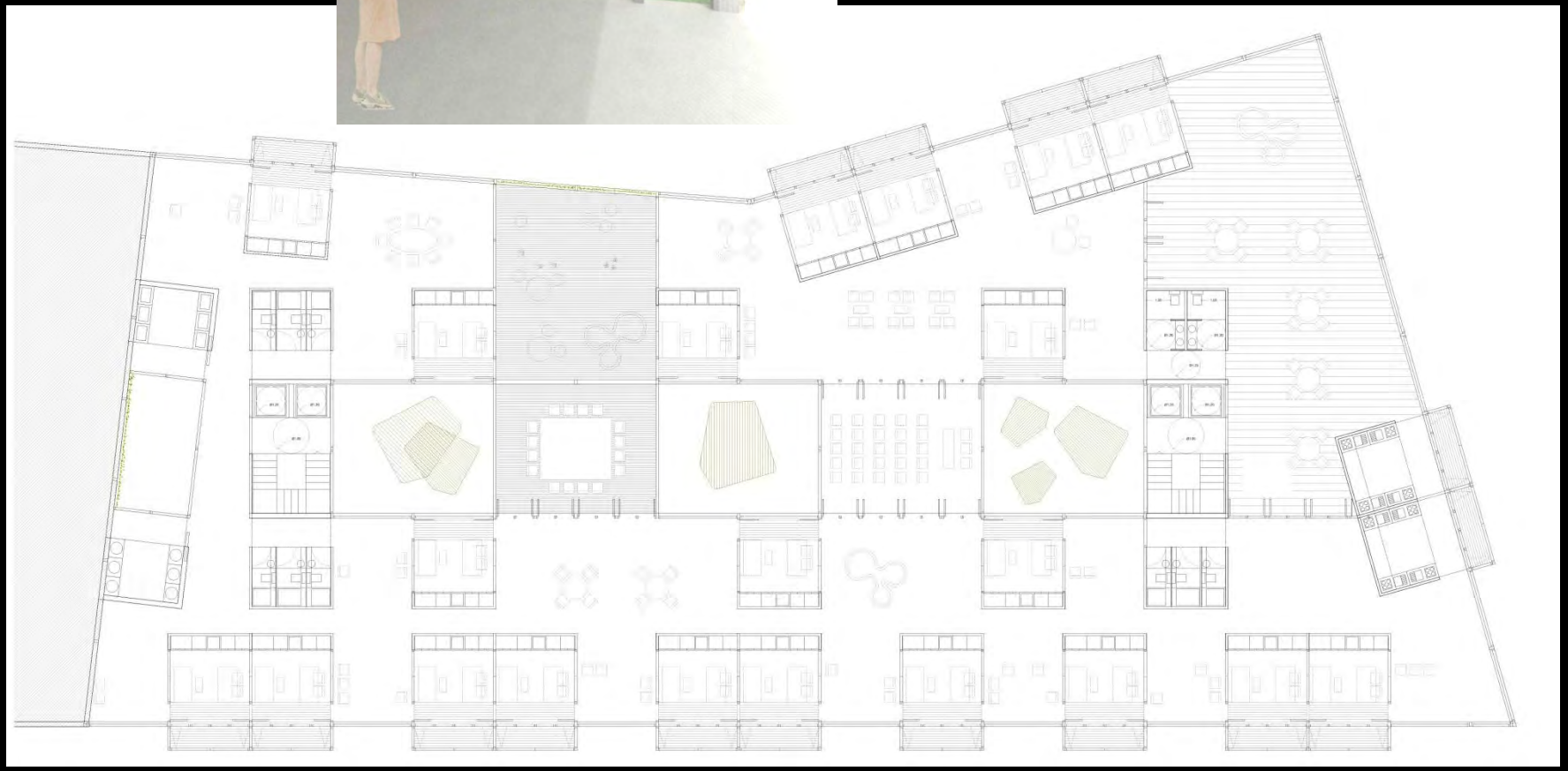
The cell: 10 sqm for living

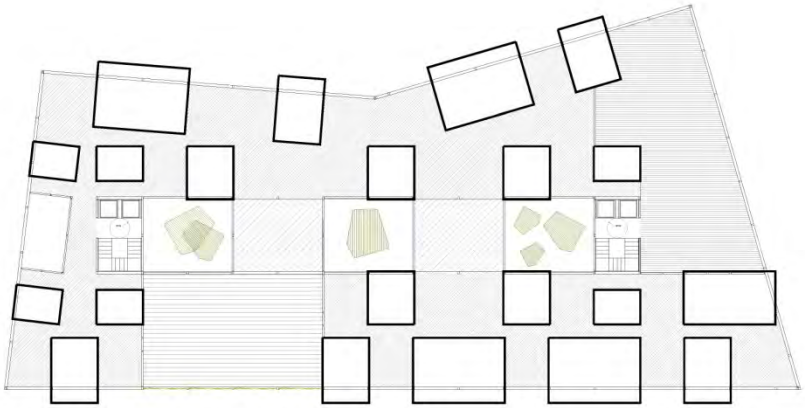


Flexible as traditional tipologies

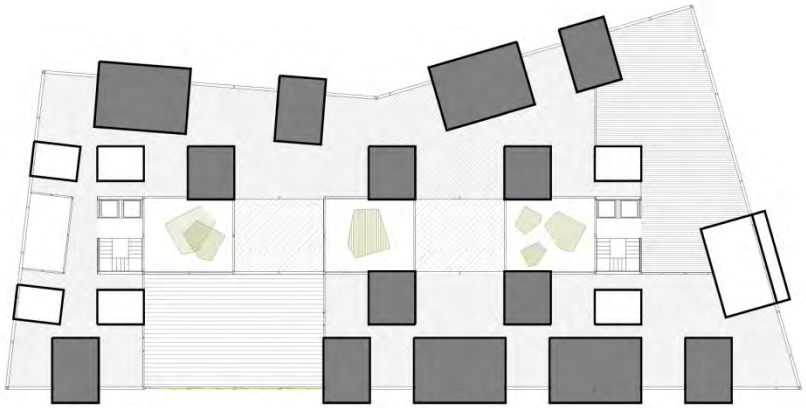
A New housing concept:

The "Camping" habitat

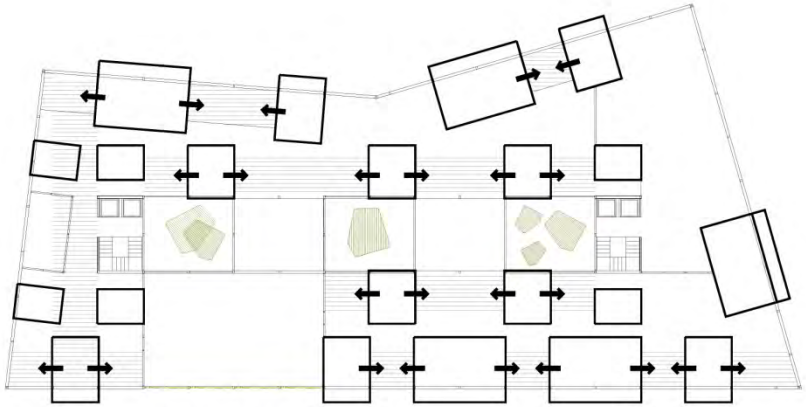




CONCEPTO DE CAMPING - ESPACIOS COMUNES



CONCEPTO DE CAMPING - ALOJAMIENTOS PRIVADOS



ESPACIOS DE INDEFINICION INTERSTICIALES

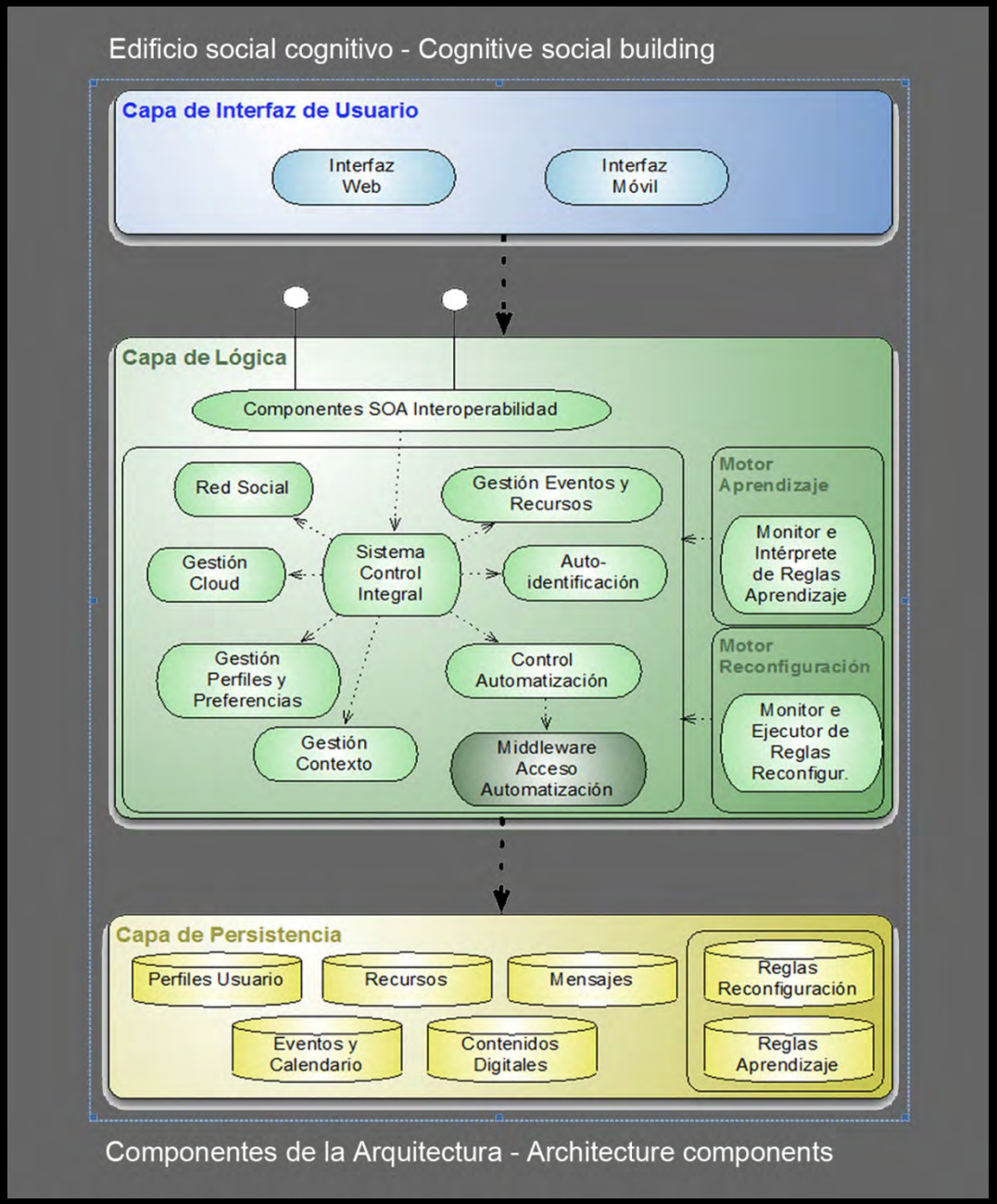
Next step of housing:

UBIQUITOUS COMPUTING

AMBIENTAL INTELLIGENCE

PROACTIVE BUILDINGS

Multifunctional
Configuration
Programs



UBITAT HOUSING TODAY