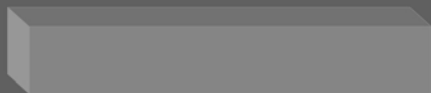




ISOVER MULTI-COMFORT HOUSE
STUDENT CONTEST 2017
URBAN REGENERATION OF A COMMUNITY, MADRID

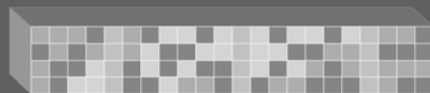
ESTONIA



HISTORY. PEGASO INDUSTRIAL VILLAGE.

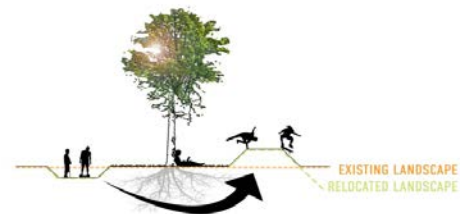
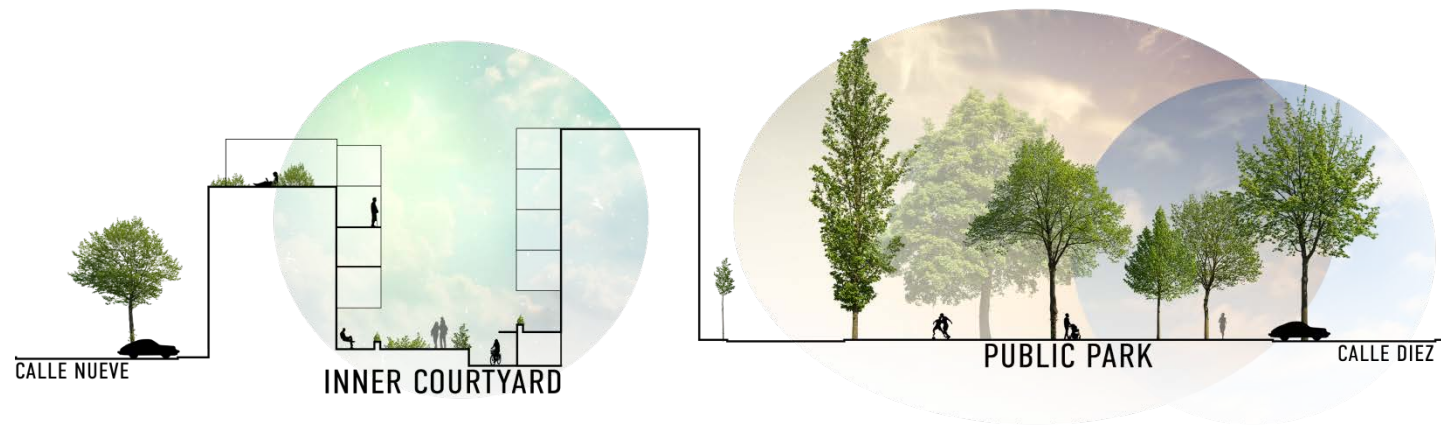


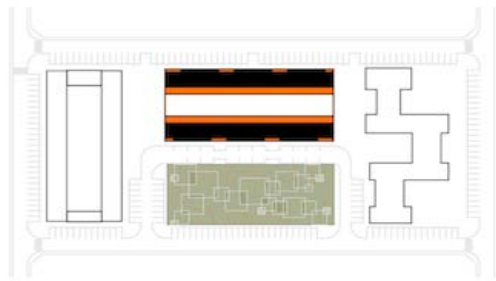
SHADE AND EXTRA SPACE



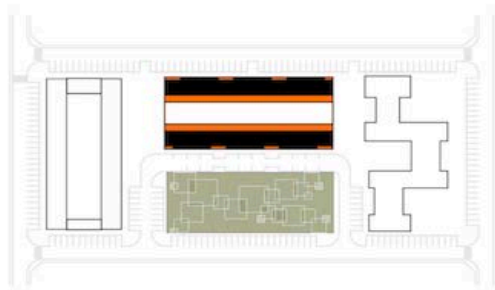
RELOCATING STORAGE UNITS



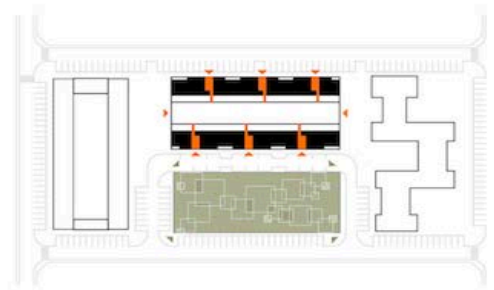




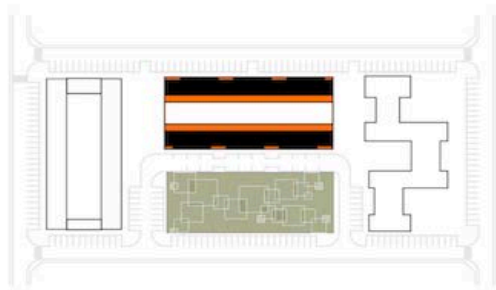
NEW PERIMETER. TO THE INNER COURTYARD SIDE
NEW CONSTRUCTIONS ARE ADDED UP TO 3 METRES FROM
THE INSULATED FACADE. OLD BALCONIES ON THE OUTER
FACADE ARE REPLACED WITH NEW ONES TO AVOID
THERMAL BRIDGES.



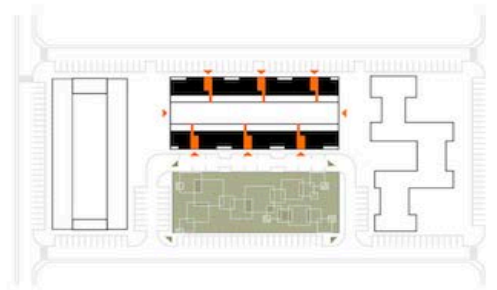
NEW PERIMETER. TO THE INNER COURTYARD SIDE NEW CONSTRUCTIONS ARE ADDED UP TO 3 METRES FROM THE INSULATED FACADE. OLD BALCONIES ON THE OUTER FACADE ARE REPLACED WITH NEW ONES TO AVOID THERMAL BRIDGES.



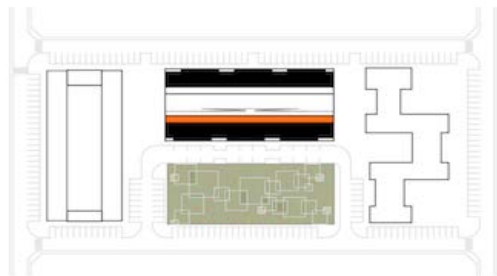
ACCESS. PRIVATE COURTYARD FOR THE INHABITANTS CAN BE ACCESSED FROM THE OLD ENTRANCES AND FROM THE SIDES. PUBLIC PARK IS ACCESSIBLE FROM THE CORNERS THAT ALLOWS TO MOVE THROUGH THE PARK DIAGONALLY.



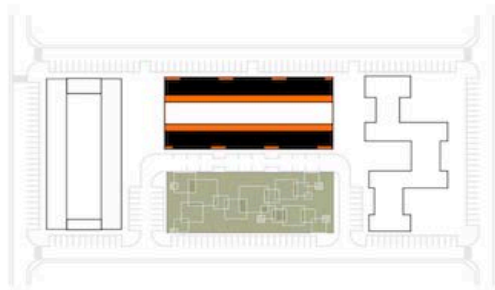
NEW PERIMETER. TO THE INNER COURTYARD SIDE NEW CONSTRUCTIONS ARE ADDED UP TO 3 METRES FROM THE INSULATED FACADE. OLD BALCONIES ON THE OUTER FACADE ARE REPLACED WITH NEW ONES TO AVOID THERMAL BRIDGES.



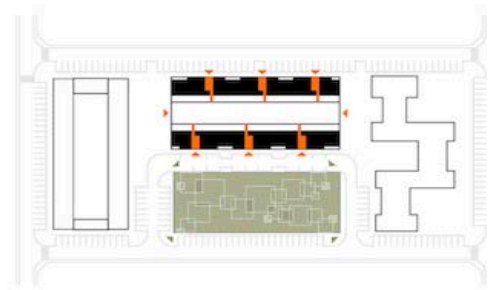
ACCESS. PRIVATE COURTYARD FOR THE INHABITANTS CAN BE ACCESSED FROM THE OLD ENTRANCES AND FROM THE SIDES. PUBLIC PARK IS ACCESSIBLE FROM THE CORNERS THAT ALLOWS TO MOVE THROUGH THE PARK DIAGONALLY.



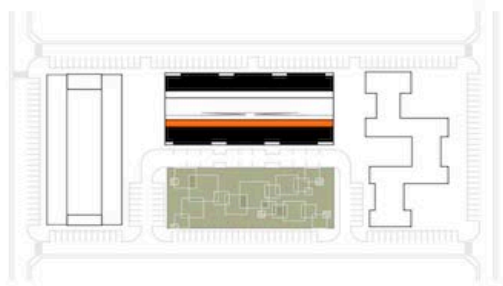
STORAGE SPACES. UNDER THE TERRACES OF THE HIGHER BUILDING ARE STORAGE SPACES FOR ALL THE APARTMENTS. THESE ARE ACCESSIBLE FROM THE COURTYARD WITH RAMPS THAT MAKES IT EASY TO STORE BICYCLES AND BABY CARRIAGES.



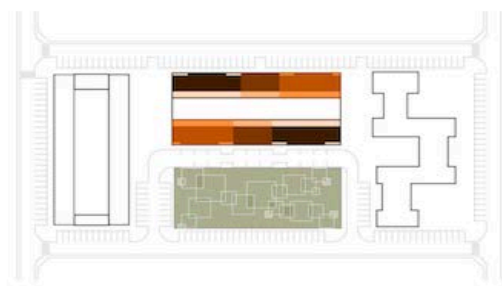
NEW PERIMETER. TO THE INNER COURTYARD SIDE NEW CONSTRUCTIONS ARE ADDED UP TO 3 METRES FROM THE INSULATED FACADE. OLD BALCONIES ON THE OUTER FACADE ARE REPLACED WITH NEW ONES TO AVOID THERMAL BRIDGES.



ACCESS. PRIVATE COURTYARD FOR THE INHABITANTS CAN BE ACCESSED FROM THE OLD ENTRANCES AND FROM THE SIDES. PUBLIC PARK IS ACCESSIBLE FROM THE CORNERS THAT ALLOWS TO MOVE THROUGH THE PARK DIAGONALLY.

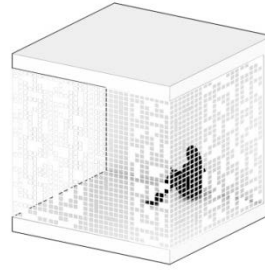


STORAGE SPACES. UNDER THE TERRACES OF THE HIGHER BUILDING ARE STORAGE SPACES FOR ALL THE APARTMENTS. THESE ARE ACCESSIBLE FROM THE COURTYARD WITH RAMPS THAT MAKES IT EASY TO STORE BICYCLES AND BABY CARRIAGES.

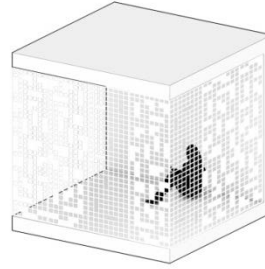


ROOFTOP. ON ONE END OF THE ROOF THERE ARE NEW APARTMENTS. ON THE OTHER END A GREEN ROOFTOP WITH A COMMUNITY ROOM FOR DIFFERENT ACTIVITIES FOR THE INHABITANTS.

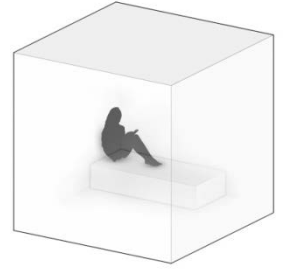




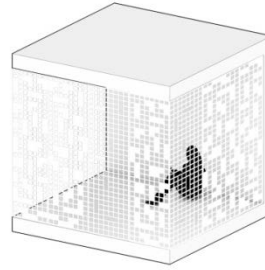
TERRACE. PERFORATED METAL
SCREENS,



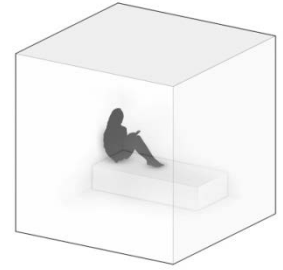
TERRACE. PERFORATED METAL
SCREENS,



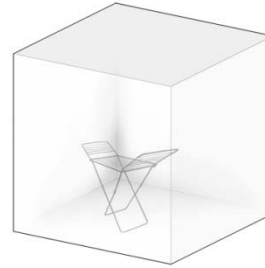
ROOM. INSULATED ROOM.



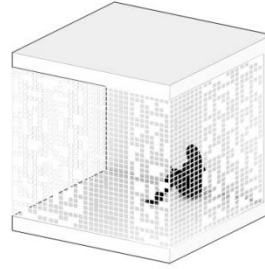
TERRACE. PERFORATED METAL
SCREENS,



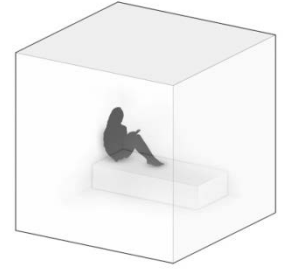
ROOM. INSULATED ROOM.



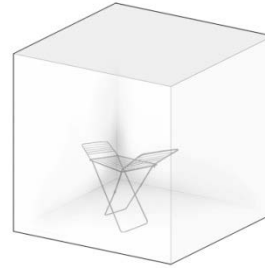
STORAGE. UNHEATED ROOM
FOR STORAGE/LAUNDRY.



TERRACE. PERFORATED METAL
SCREENS,



ROOM. INSULATED ROOM.

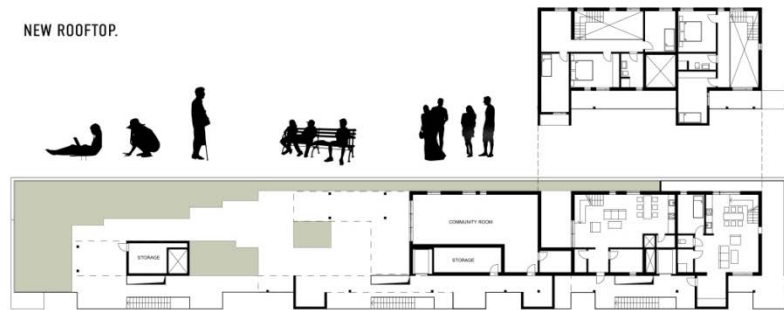


STORAGE. UNHEATED ROOM
FOR STORAGE/LAUNDRY.



BALCONY. BOXES THAT NEED SOUTH
WINDOWS HAVE EXTRA BALCONY FOR SHADING.

NEW ROOFTOP.



ROOFTOP 1:200 | BUILDING 2

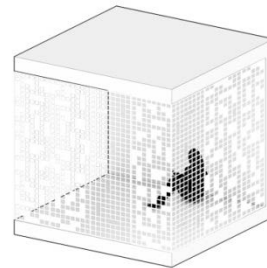


TYPICAL FLOOR 1:200 | BUILDING 2

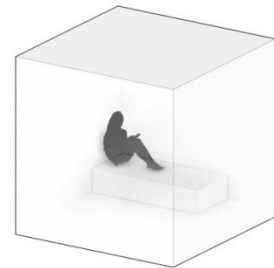


GROUND FLOOR

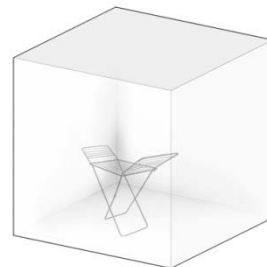
BUILDING 1&2



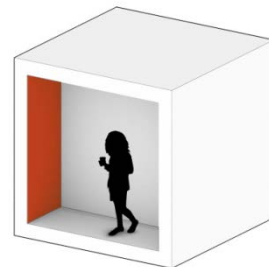
TERRACE. PERFORATED METAL
SCREENS.



ROOM. INSULATED ROOM.

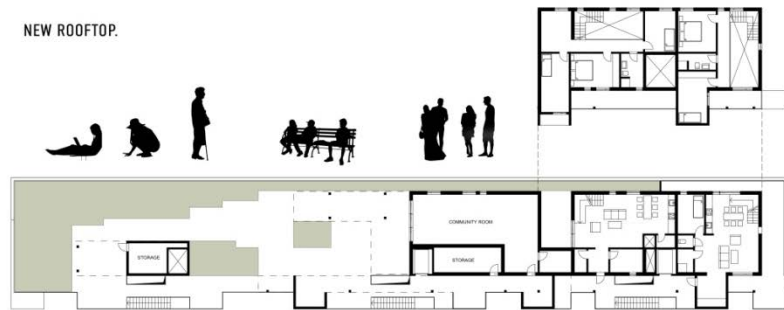


STORAGE. UNHEATED ROOM
FOR STORAGE/LAUNDRY.



BALCONY. BOXES THAT NEED SOUTH
WINDOWS HAVE EXTRA BALCONY FOR SHADING.

NEW ROOFTOP.



ROOFTOP 1:200 | BUILDING 2

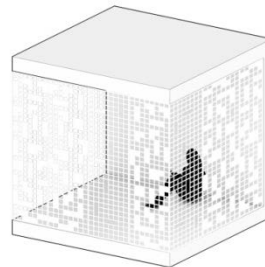


TYPICAL FLOOR 1:200 | BUILDING 2

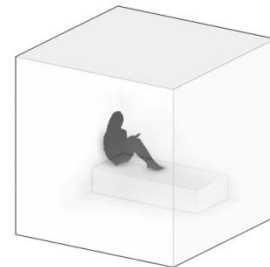


GROUND FLOOR

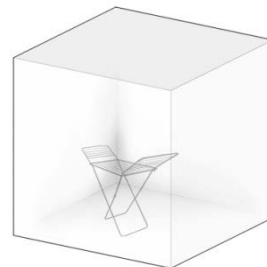
BUILDING 1&2



TERRACE. PERFORATED METAL
SCREENS.



ROOM. INSULATED ROOM.



STORAGE. UNHEATED ROOM
FOR STORAGE/LAUNDRY.



BALCONY. BOXES THAT NEED SOUTH
WINDOWS HAVE EXTRA BALCONY FOR SHADING.

3 BEDROOMS



ROOM. INSULATED ROOM.

3 BEDROOMS



ROOM. INSULATED ROOM.

2 BEDROOMS



TERRACE. PERFORATED METAL
SCREENS.

3 BEDROOMS



ROOM. INSULATED ROOM.

2 BEDROOMS



TERRACE. PERFORATED METAL
SCREENS.

1 BEDROOM



WINTER GARDEN. EXTENDED TERRACE FOR
SUMMER COOLING.

3 BEDROOMS



ROOM. INSULATED ROOM.

2 BEDROOMS



TERRACE. PERFORATED METAL
SCREENS.

1 BEDROOM



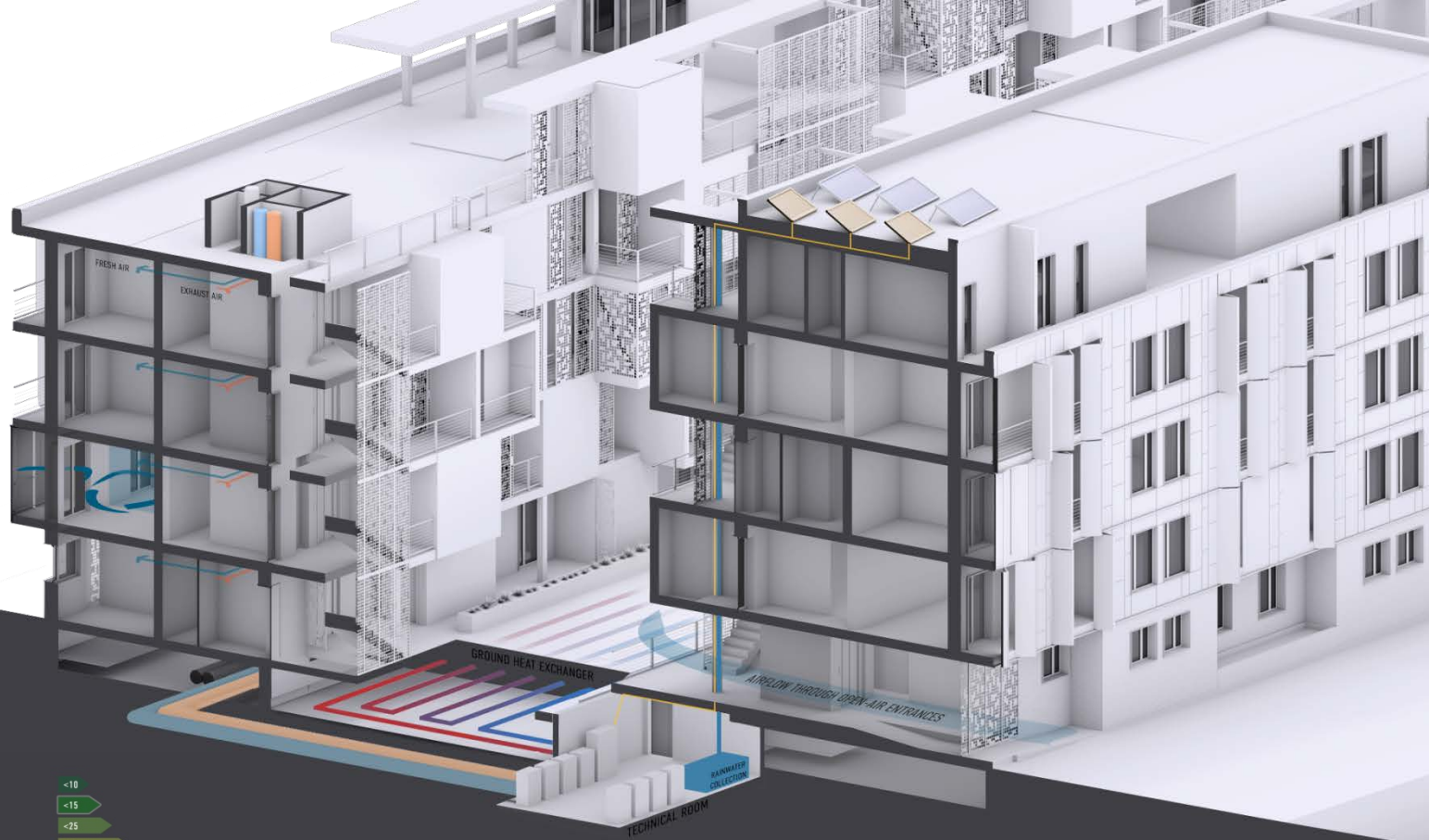
WINTER GARDEN. EXTENDED TERRACE FOR
SUMMER COOLING.

2 APARTMENTS



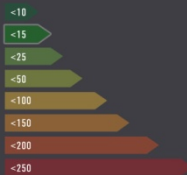
BALCONY. BOXES THAT NEED SOUTH
WINDOWS HAVE EXTRA BALCONY FOR SHADING.

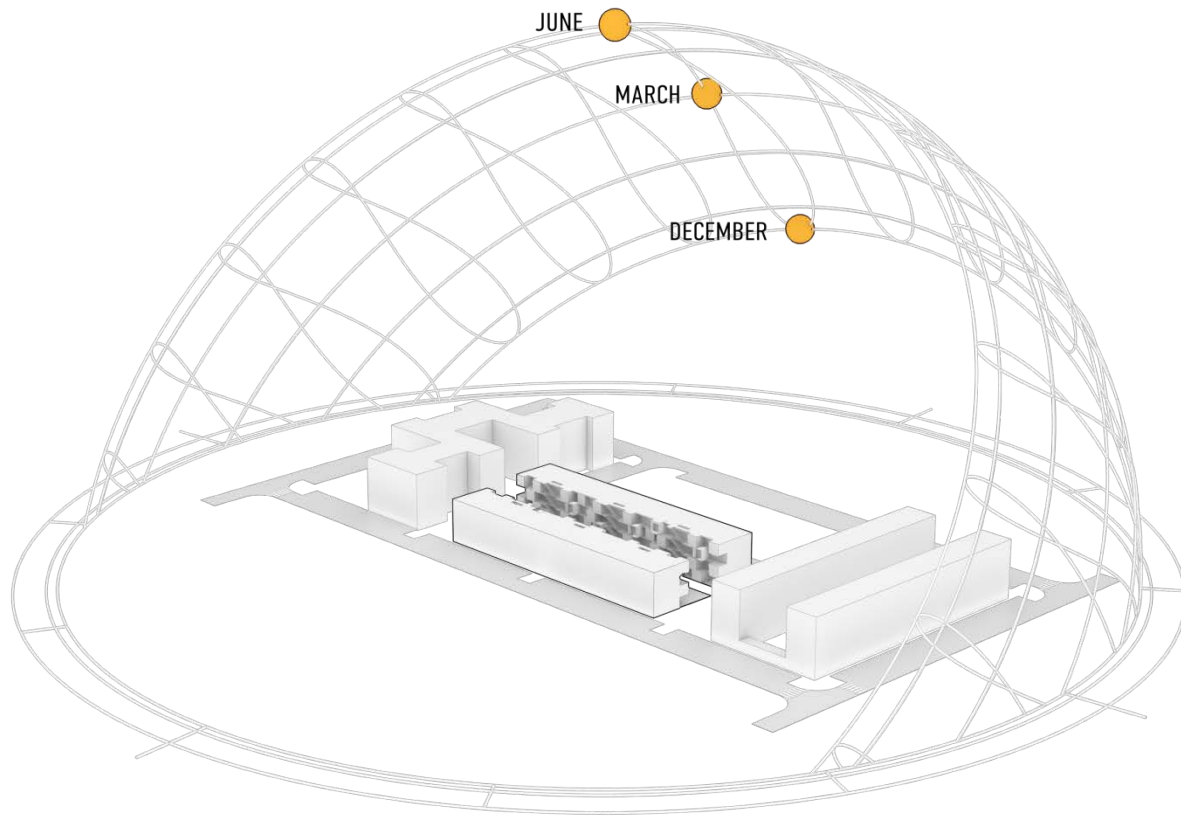
TECHNICAL SOLUTIONS

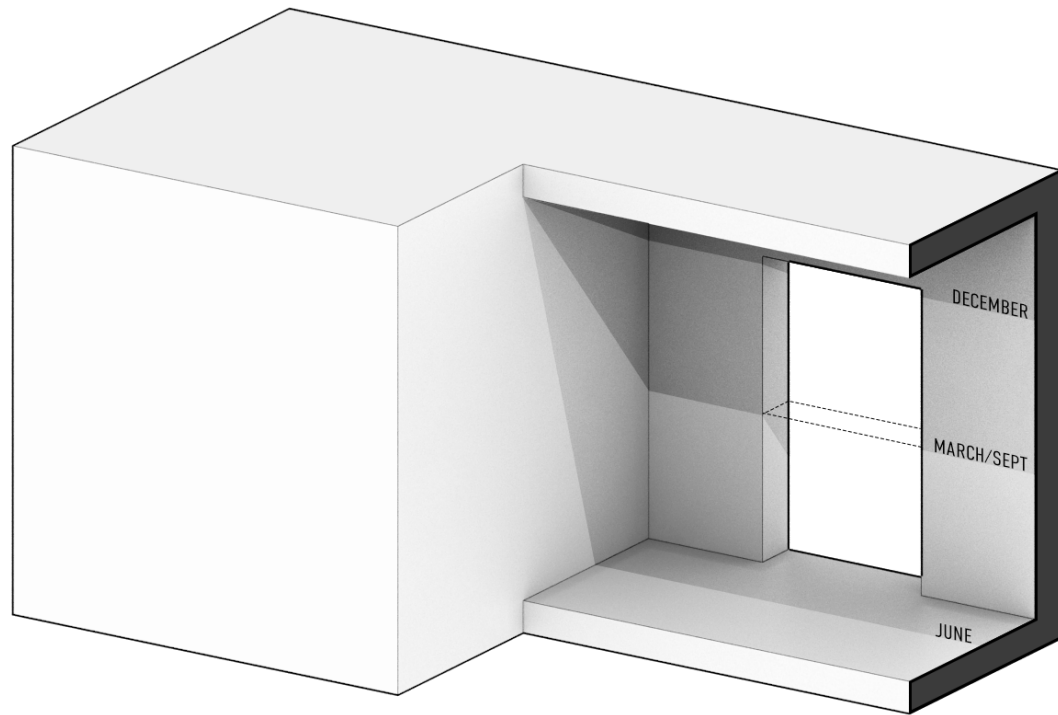


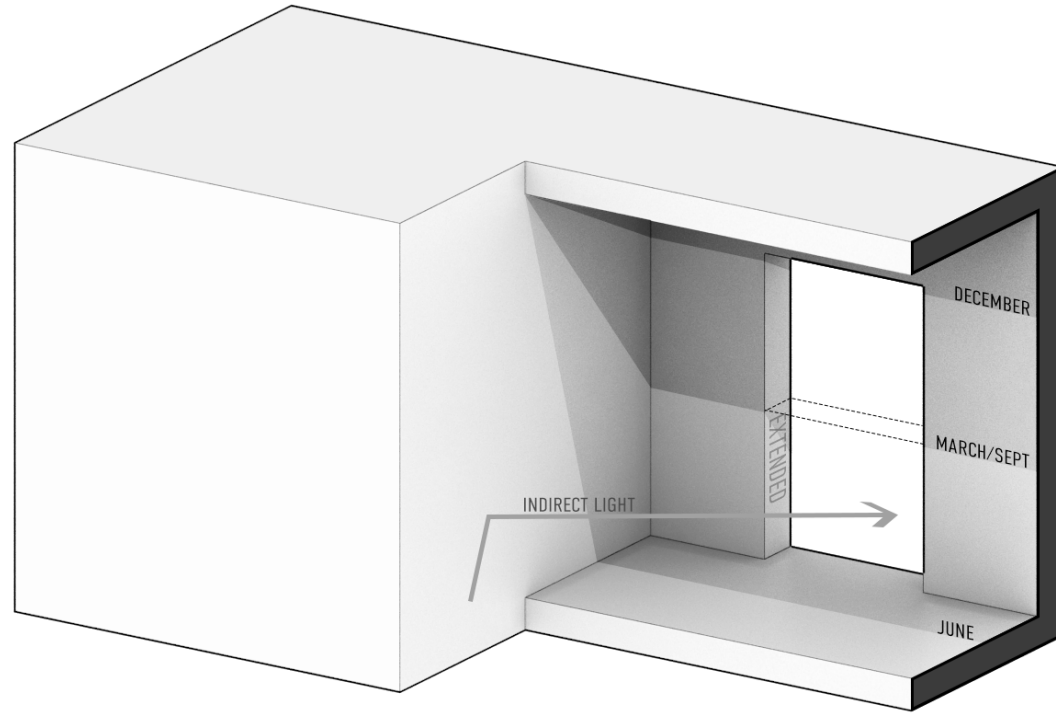
CALCULATIONS. MCH DESIGNER.

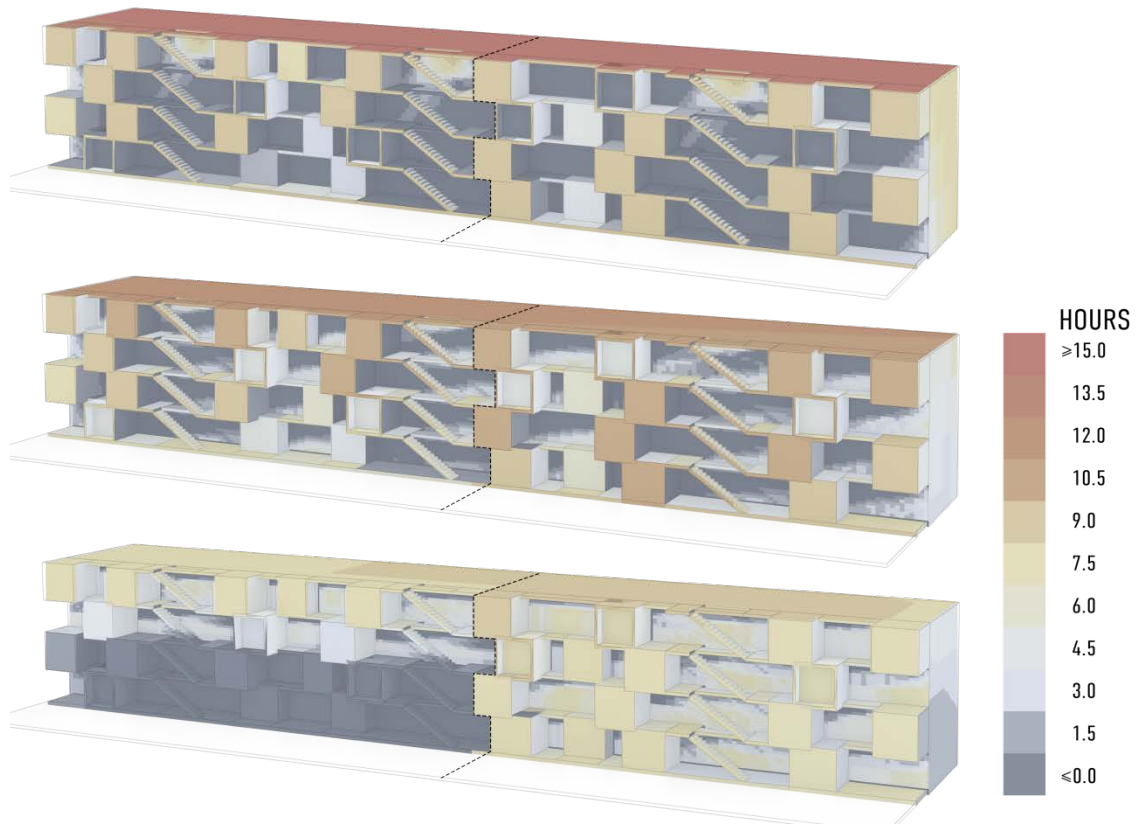
ANNUAL HEAT DEMAND 10.47 kWh/m²a
ANNUAL COOLING DEMAND 24.94 kWh/m²a
OVERHEATING 0.00%

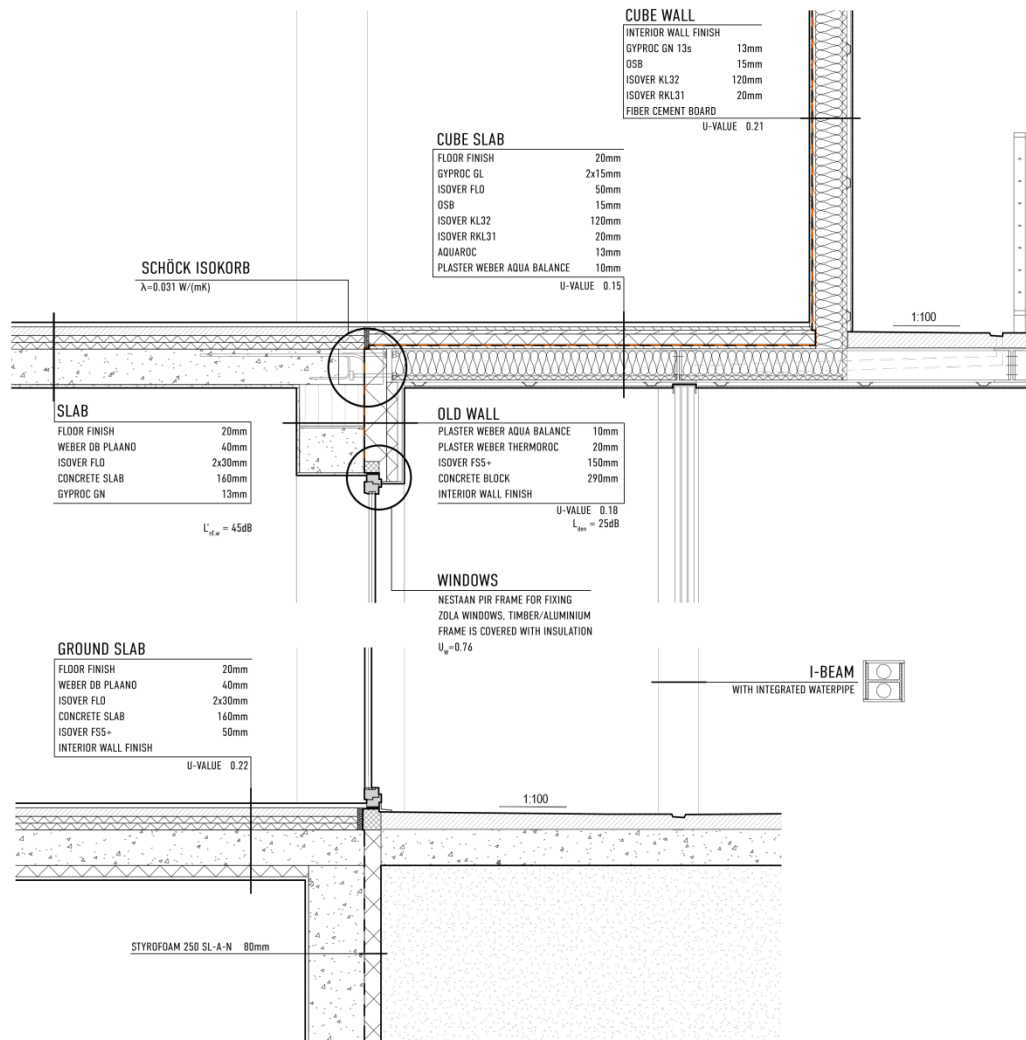


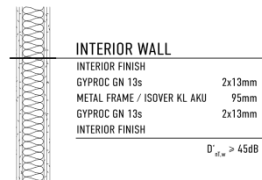
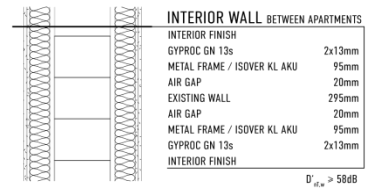
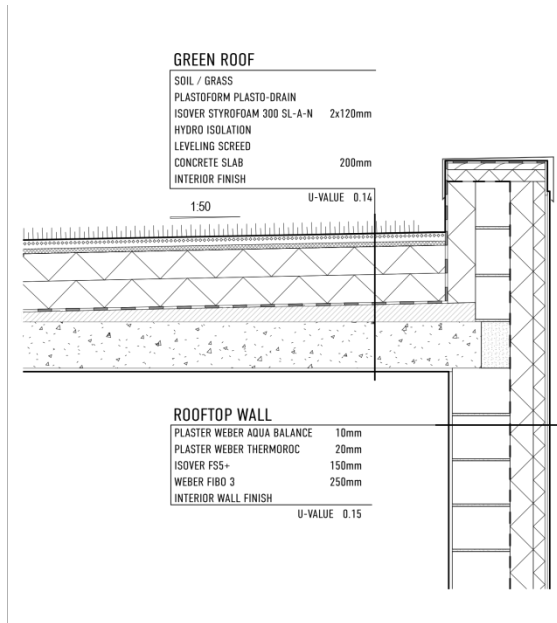


















THANK YOU FOR YOUR
ATTENTION!



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