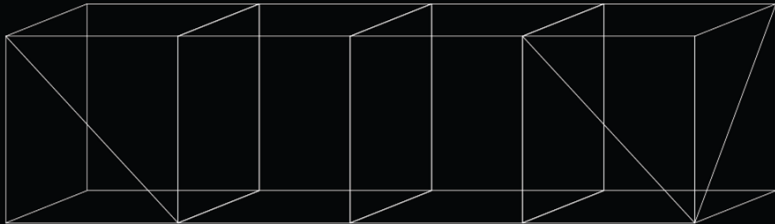


FORMULA FOR LIVING



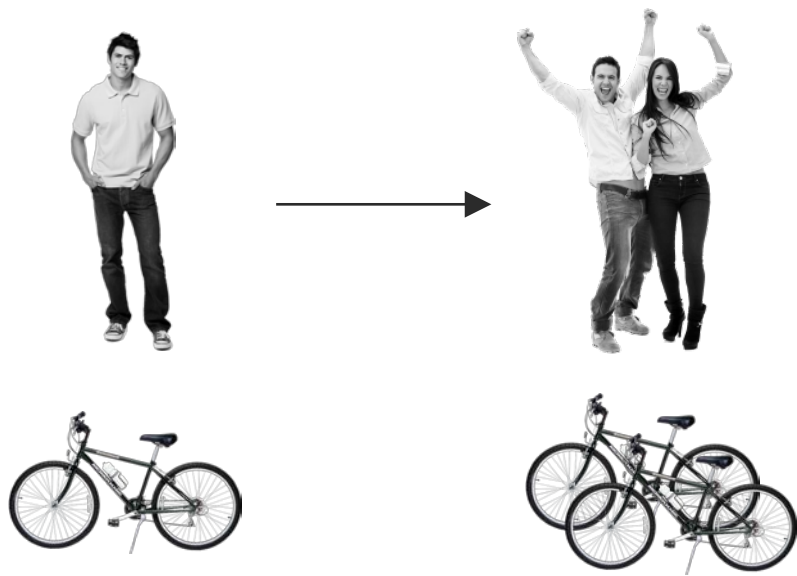
AUTHORS:

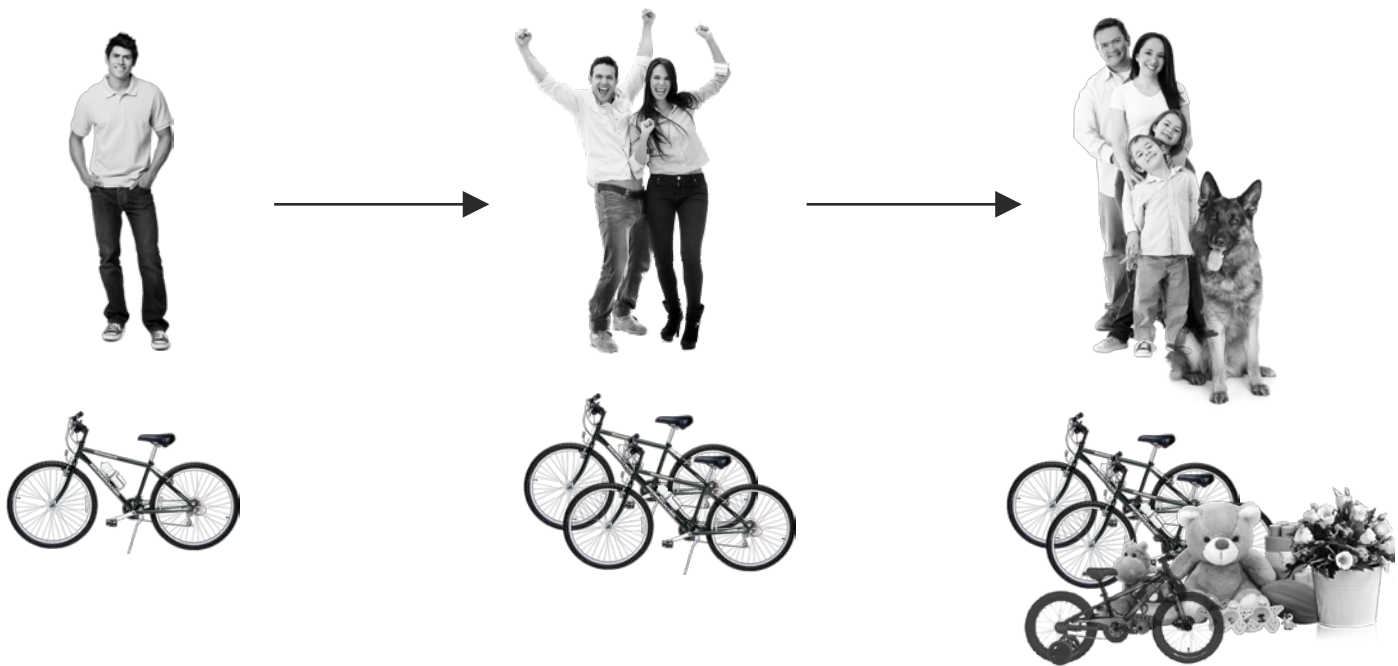
LAURA IVANE,
INESE GUSTA

LATVIA

RIGA TECHNICAL
UNIVERSITY







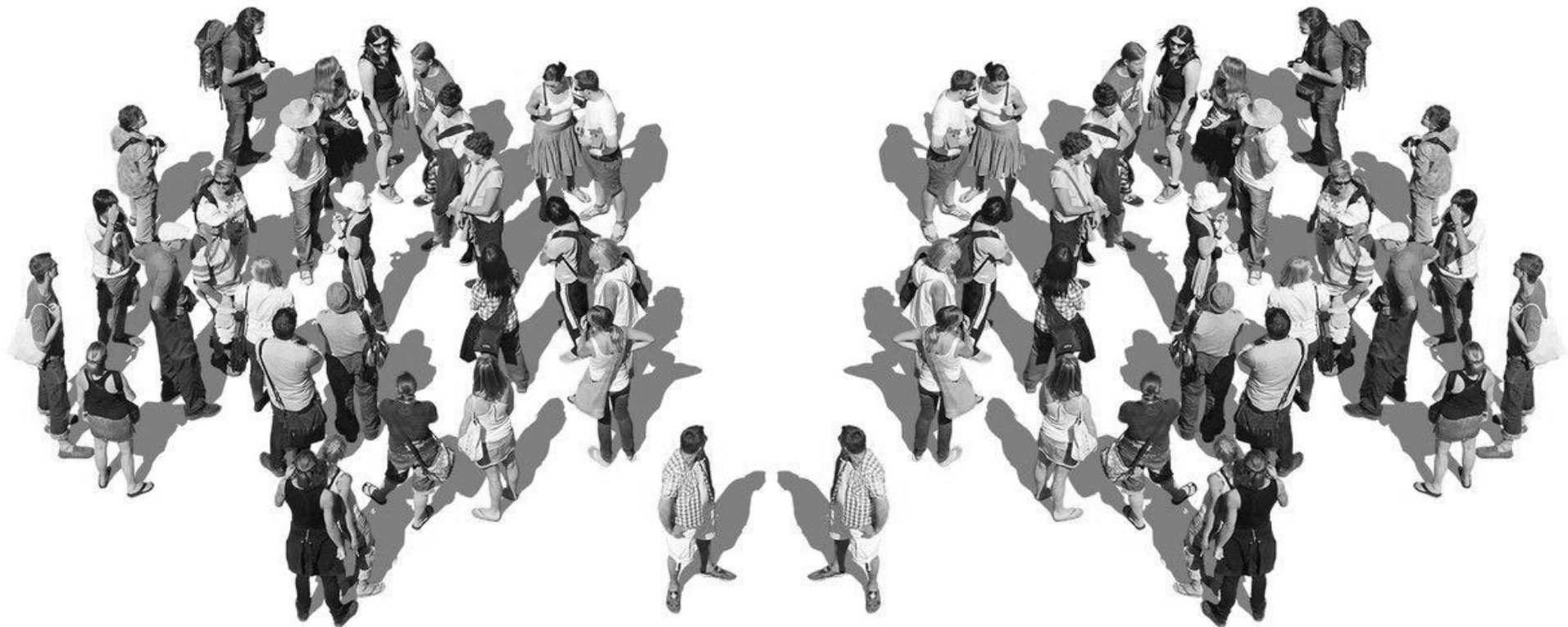



STRUCTURE FOR LIVING

IT LOOKS LIKE
"LEGO" ?



INHABITANTS - OUR PRIORITY





LOUDNESS, WE
WILL NOT SLEEP

WHERE
WILL
WE STAY?

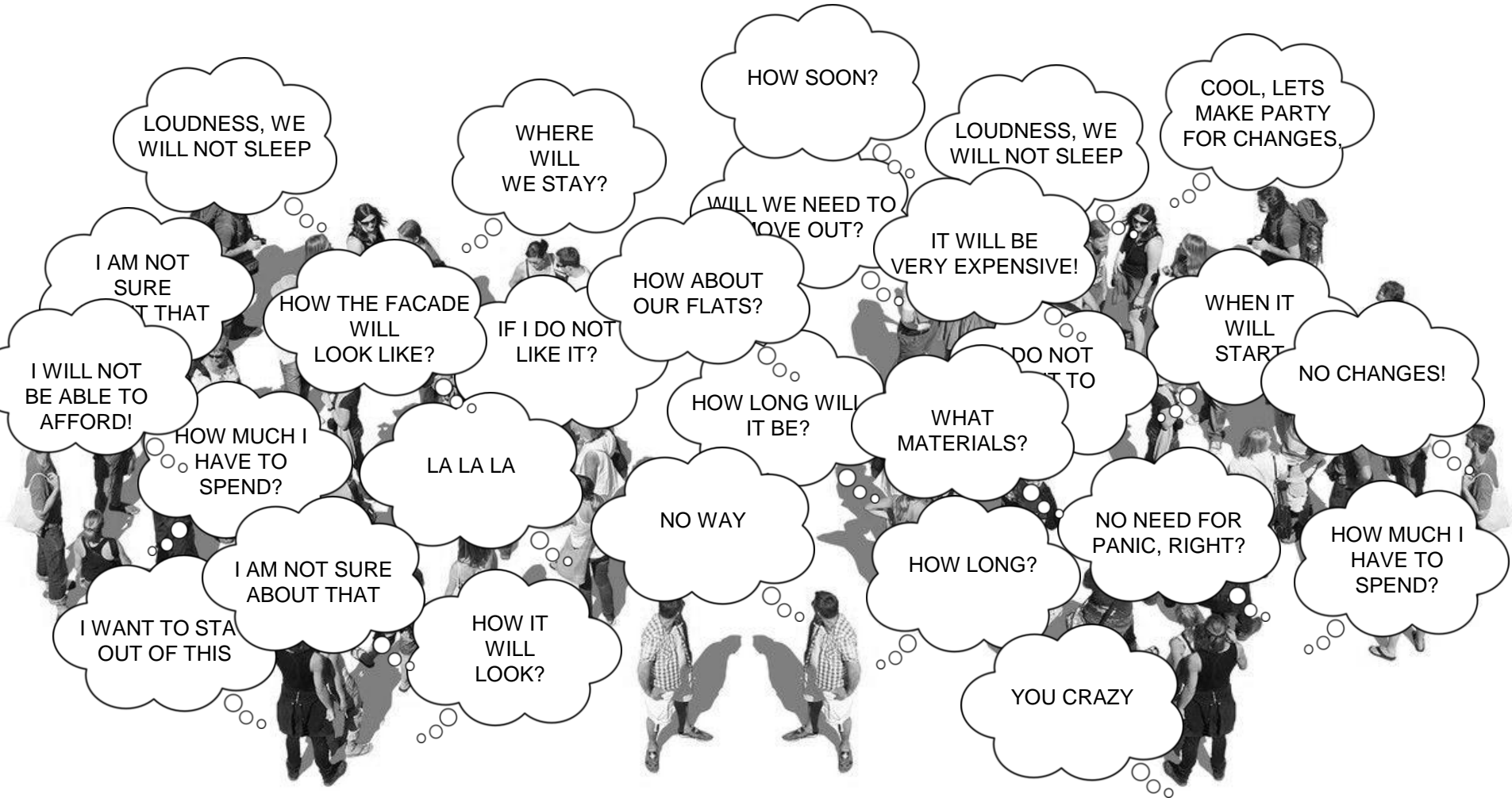
WILL WE NEED TO
MOVE OUT?

COOL, LETS
MAKE PARTY
FOR CHANGES.

HOW LONG WILL
IT BE?

HOW IT
WILL
LOOK?

HOW MUCH I
HAVE TO
SPEND?



LOUDNESS, WE
WILL NOT SLEEP

WHERE
WILL
WE STAY?

HOW SOON?

LOUDNESS, WE
WILL NOT SLEEP

COOL, LETS
MAKE PARTY
FOR CHANGES.

I AM NOT
SURE
THAT

HOW THE FACADE
WILL
LOOK LIKE?

WILL WE NEED TO
MOVE OUT?

IT WILL BE
VERY EXPENSIVE!

WHEN IT
WILL
START

I WILL NOT
BE ABLE TO
AFFORD!

HOW MUCH I
HAVE TO
SPEND?

IF I DO NOT
LIKE IT?

HOW ABOUT
OUR FLATS?

DO NOT
STAY TO

NO CHANGES!

LA LA LA

HOW LONG WILL
IT BE?

WHAT
MATERIALS?

NO WAY

NO NEED FOR
PANIC, RIGHT?

HOW MUCH I
HAVE TO
SPEND?

I AM NOT SURE
ABOUT THAT

I WANT TO STAY
OUT OF THIS

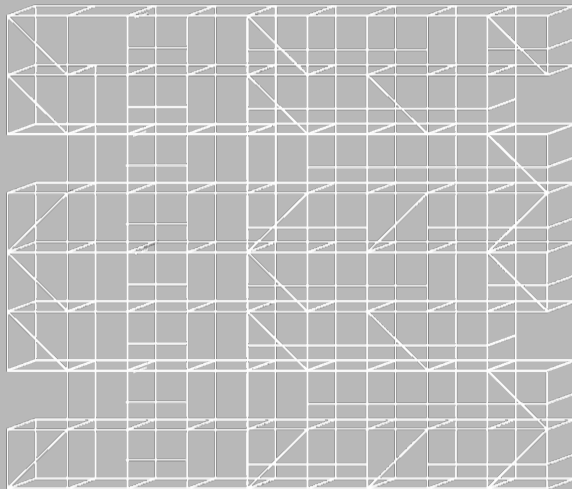
HOW IT
WILL
LOOK?

HOW LONG?

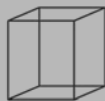
YOU CRAZY



MAKE A GRID



81x



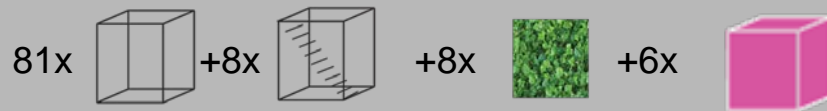
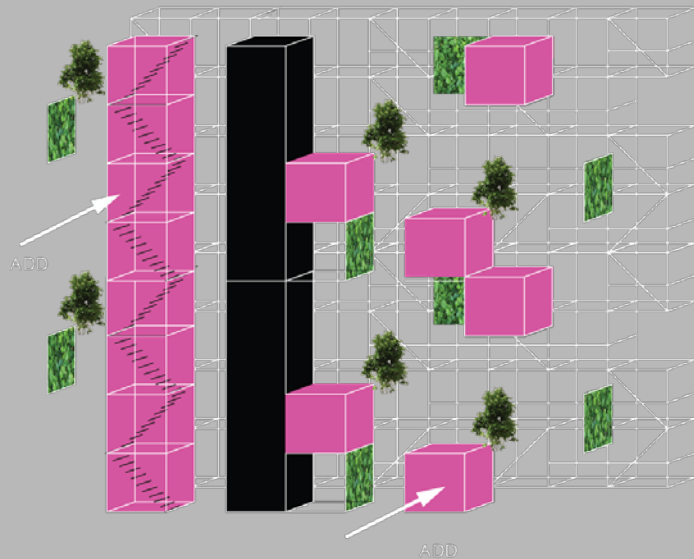
3 STEP FORMULA

1

HOW WILL
IT WORK?



ADD NECESSARY ELEMENTS

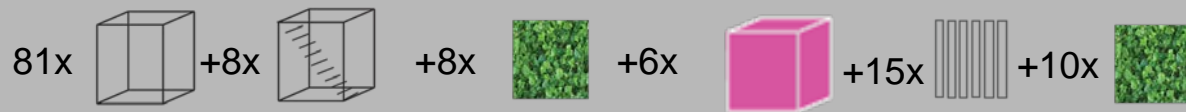
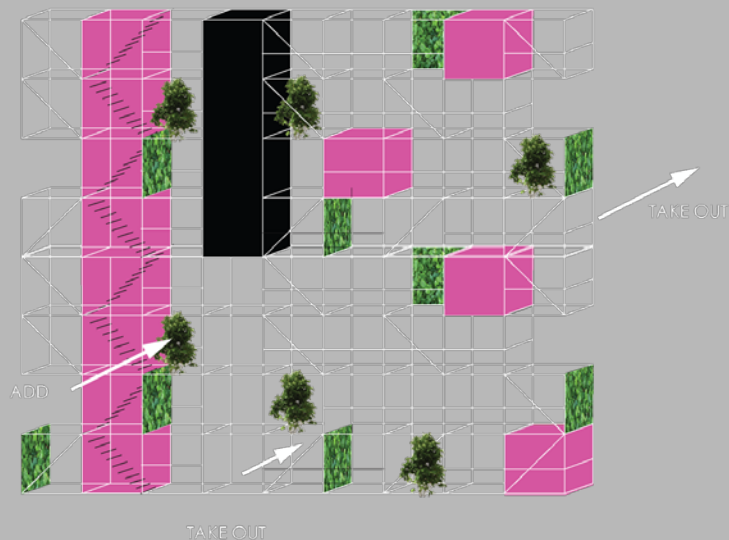


2

WHAT IF
I DO NOT
NEED THAT
ELEMENT?



CHANGE ELEMENTS

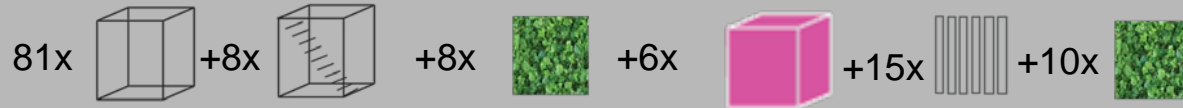
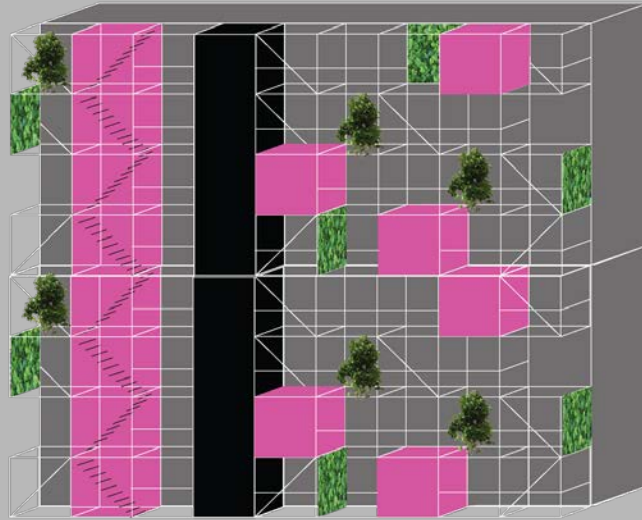


3

WHAT IF
I CHANGE MY
MIND?



RESULT

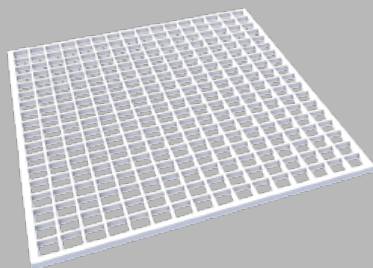


STRUCTURE
FOR
LIVING

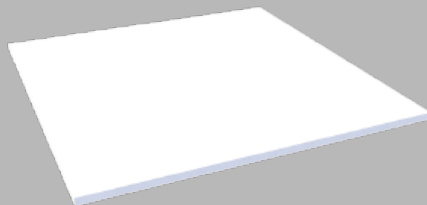


FIBERGLASS

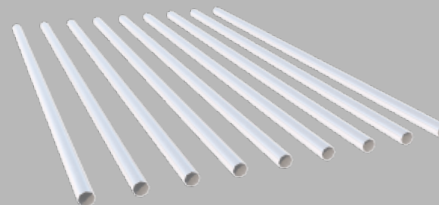
- GRATING



- COMPOSITE FLOORING



- STRUCTURE



WHICH
MATERIALS
WILL BE
USED?



A



GRID

B



STAIR

C



STORAGE

D



WALKWAY

E



A TREE

F



WATER POND

G



SAND BOX

H



RAMP

I



GREEN WALL

G



RAILING

K



SHADING

L



SOLAR PANEL

M



GARDEN

N



SEATING

O



TRAMPOLINE

P

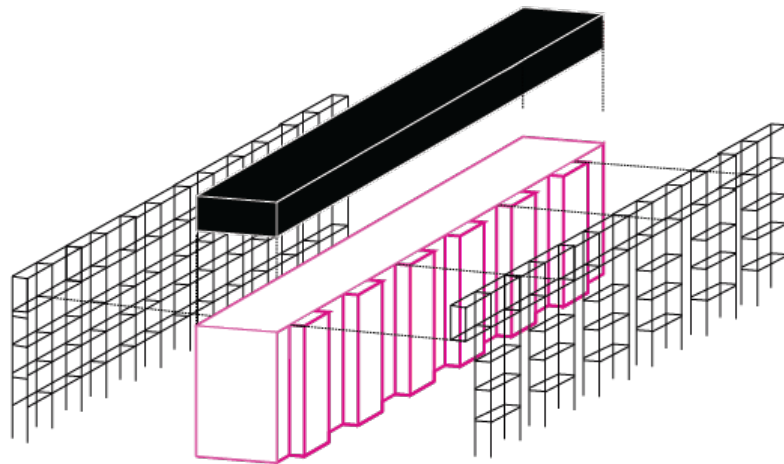


PLAYGROUND

CATALOGUE OF **MODULES**

SO WHERE
CAN WE FIND
MODULES ?





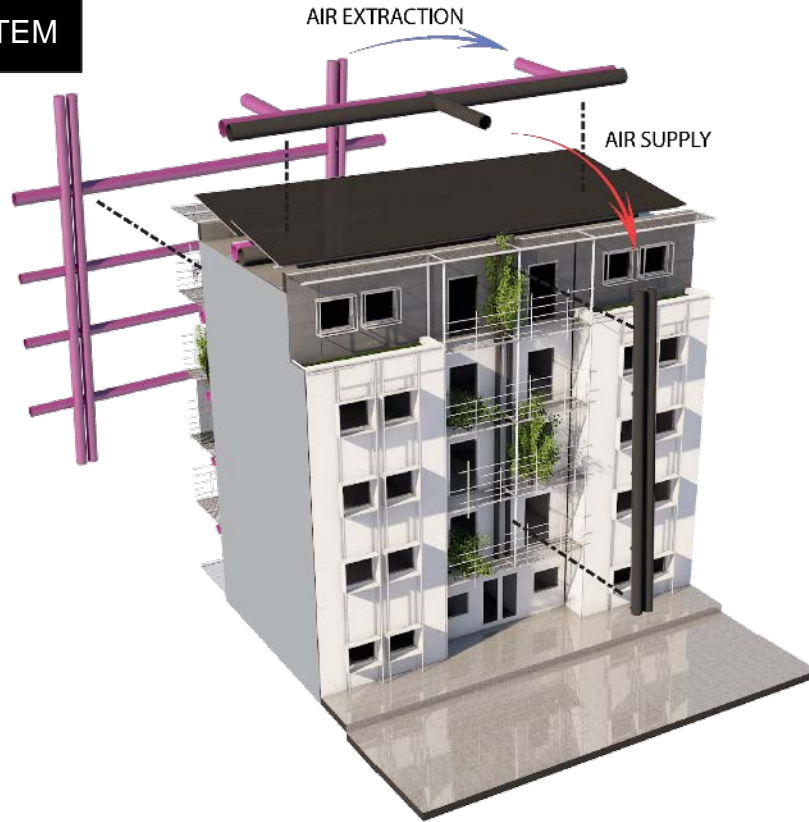
SOLAR PANELS



SOLAR ENERGY?
COOL!!



CENTRAL VENTILATION SYSTEM



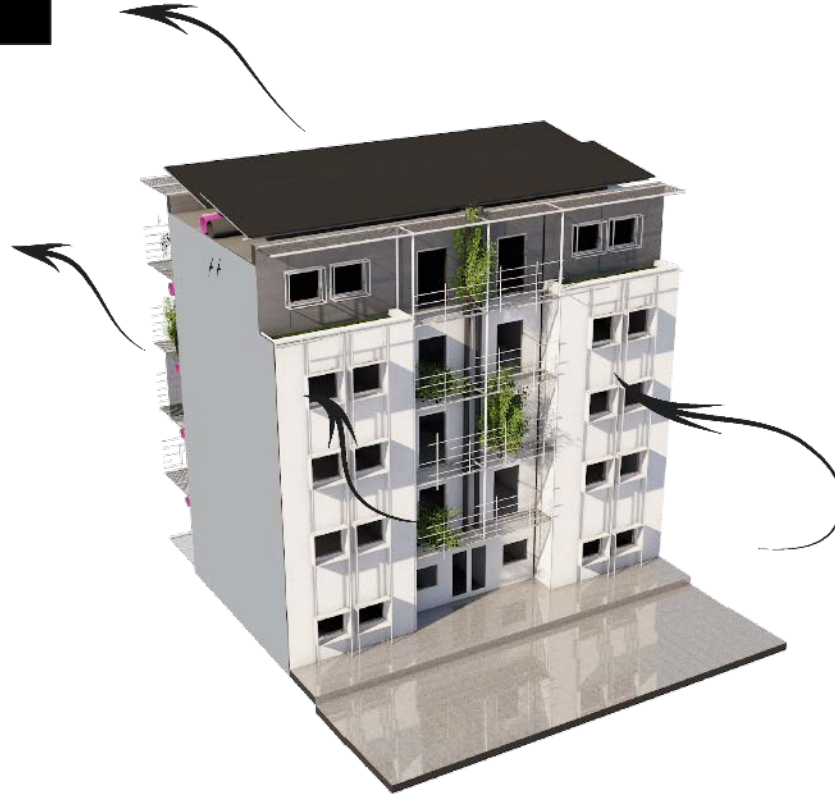
WHAT ARE
THESE PIPES
FOR? SLIDING?



CROSS VENTILATION

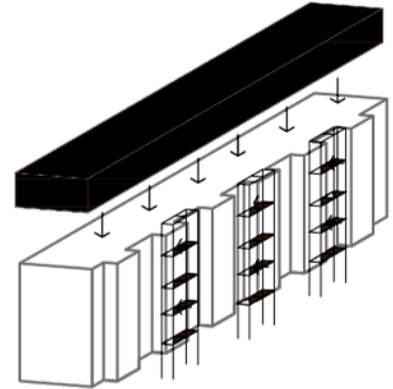
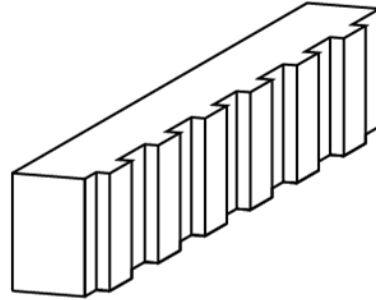
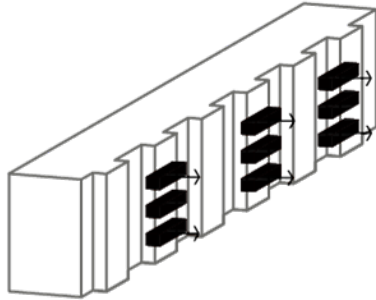


ADDITIONAL
VENTILATION
POSSIBLE??



THERMAL COMFORT

WHAT ABOUT
THERMAL
BRIDGES?



EXTRA STOREY

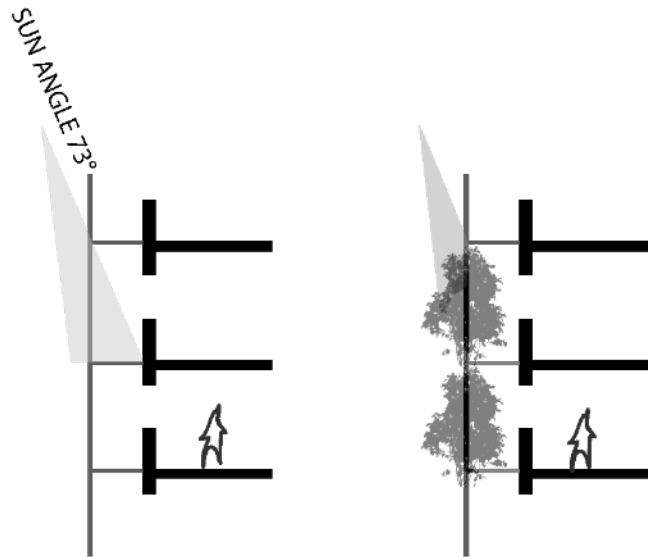


I WANT FLAT
WITH A VIEW!?!

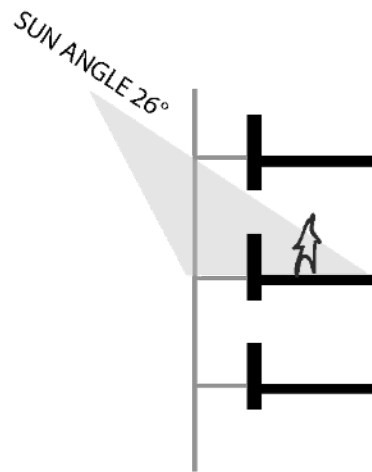


DAYLIGHT/THERMAL COMFORT

SUMMER



WINTER



WILL IT REMAIN
THAT HOT IN
THE SUMMER??



ACCOUSTIC COMFORT



BUT WE NEED
EXTRA OUTSIDE
LIVING SPACE...



ACCOUSTIC COMFORT +
LOVELY MICROCLIMATE



WE GOT IT!!



PATHWAY

FORMULA FOR COMFORT



1ST FLOOR - STAIR / ELEVATOR

WHAT IS
CHEAPEST
SOLUTION ?



1ST FLOOR - ENTRANCES

WILL THE
ENTRANCES
STAY ?

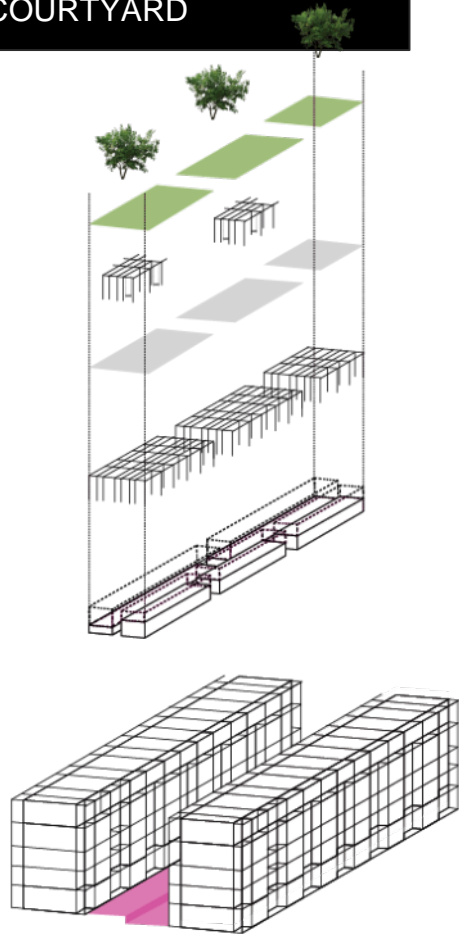


STORAGE FOUNDATIONS

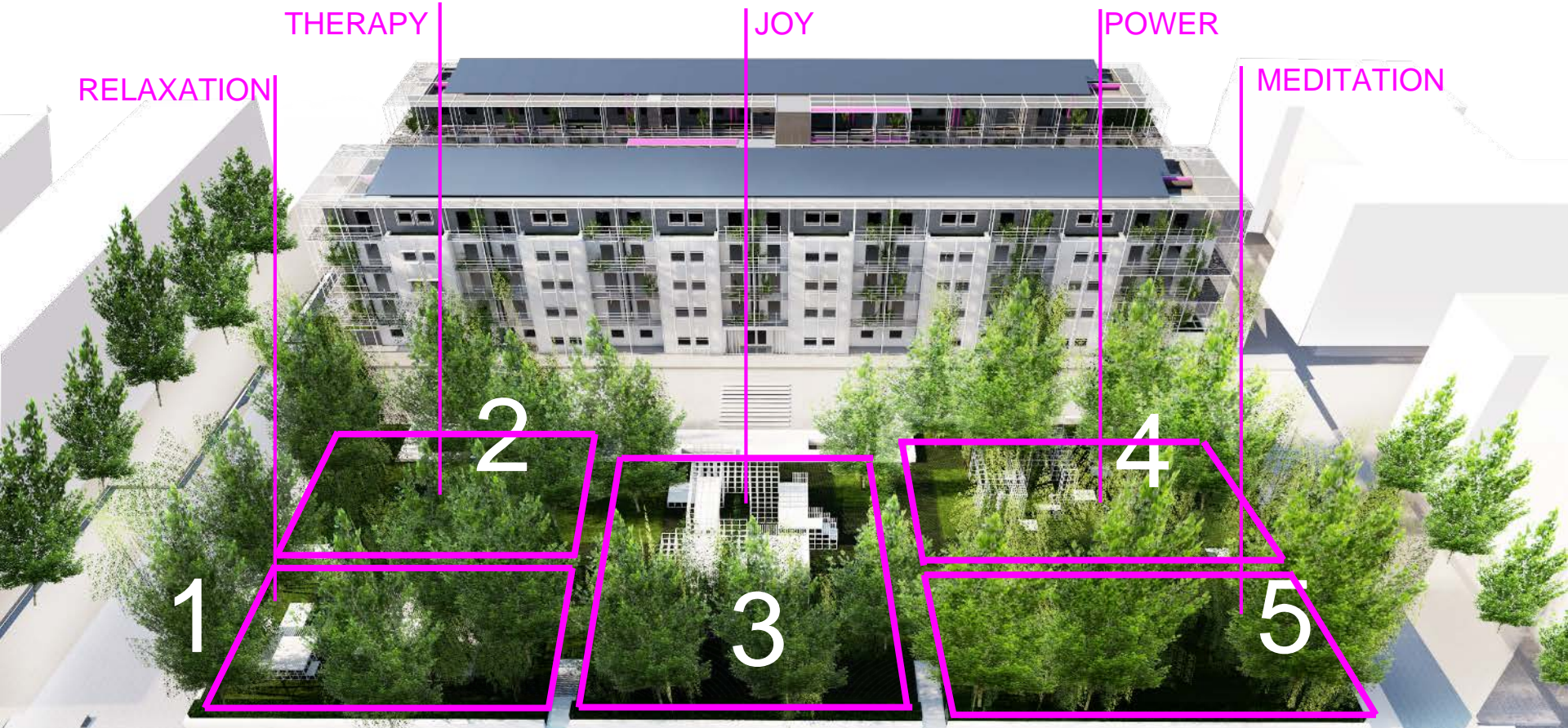
SO WHAT
ABOUT OLD
STORAGES ?

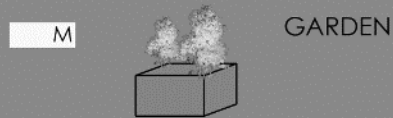
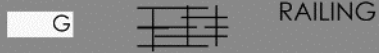
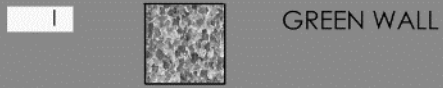
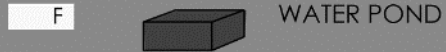
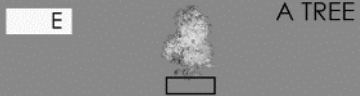
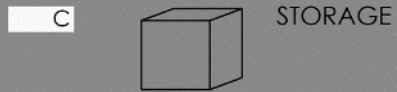
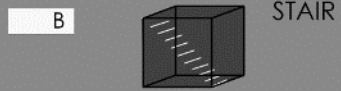
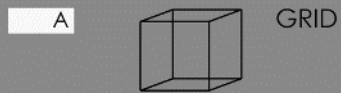


INNER COURTYARD

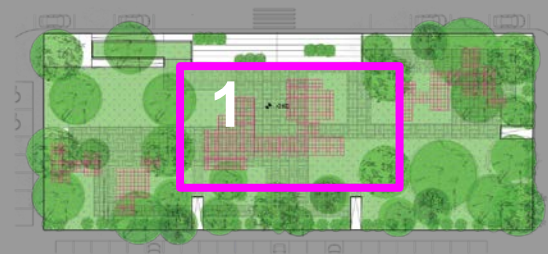
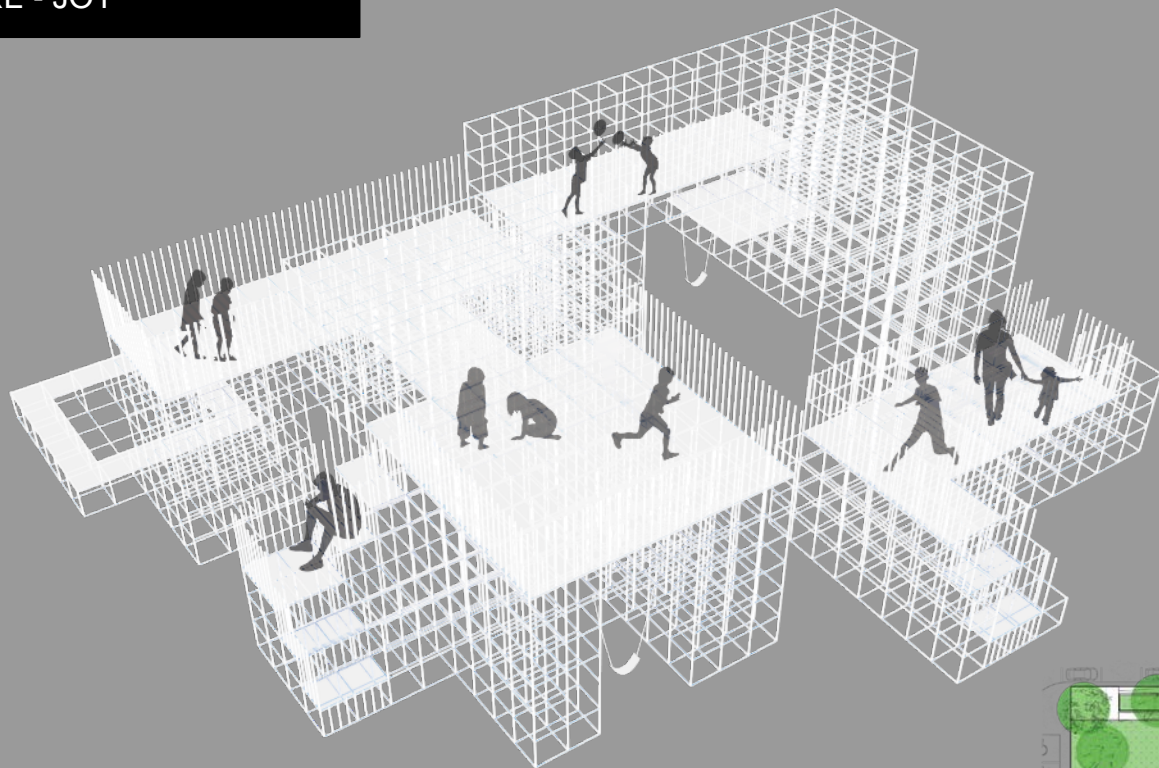


WELL-BEING - 5 COMPONENTS

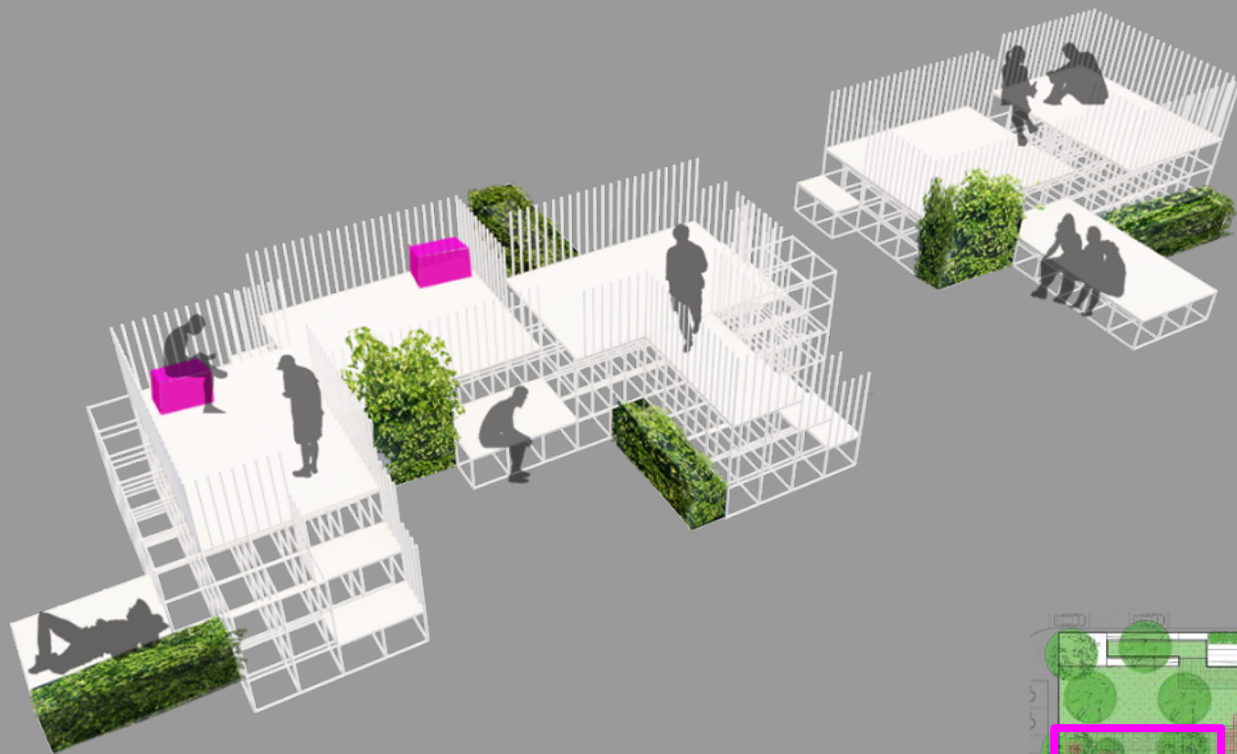




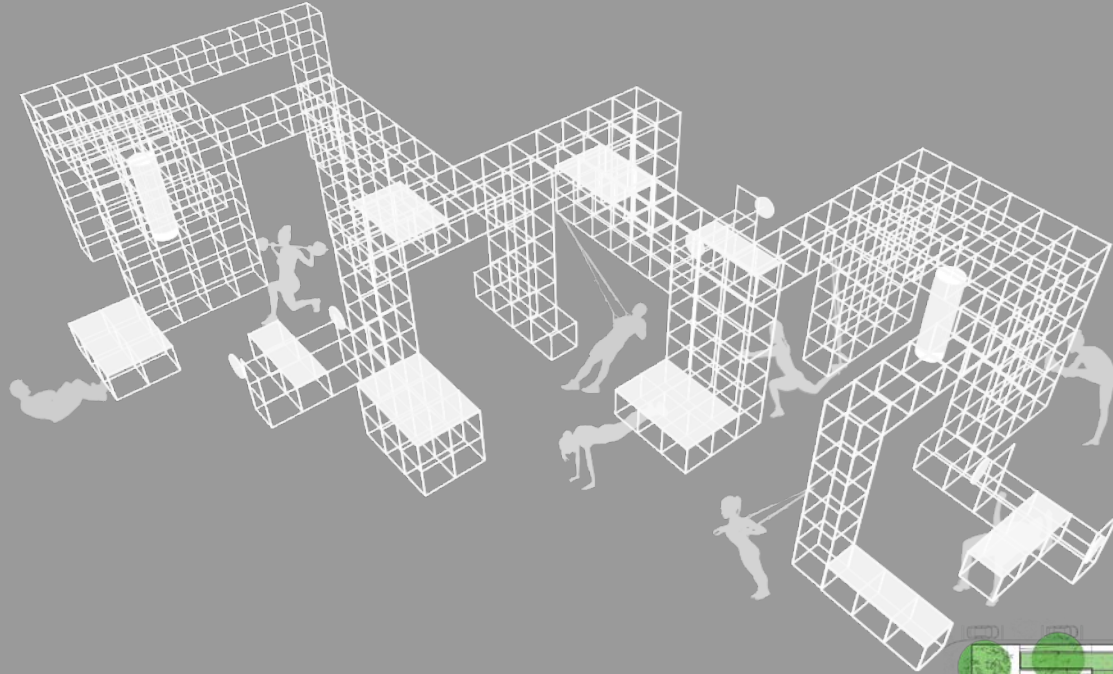
STRUCTURE - JOY



STRUCTURE - RELAXATION



STRUCTURE - POWER



STRUCTURE - THERAPY



MEDITATION

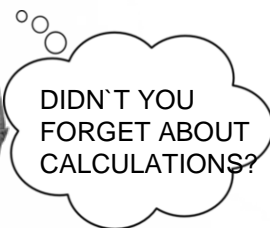


WELL BEING - 5 COMPONENTS





Specific building demands with reference to the treated floor area		
	Treated floor area	2305,0 m ²
Space heating	Annual heating demand	9 kWh/(m ² a)
	Heating load	9 W/m ²
Space cooling	Overall specific space cooling demand	5 kWh/(m ² a)
	Cooling load	7 W/m ²
	Frequency of overheating (> 25 °C)	%
Primary Energy	Space heating and cooling, dehumidification, household electricity	kWh/(m ² a)
	DHW, space heating and auxiliary electricity	kWh/(m ² a)
	Specific primary energy reduction through solar electricity	kWh/(m ² a)
Airtightness	Pressurization test result n ₅₀	1,0 1/h



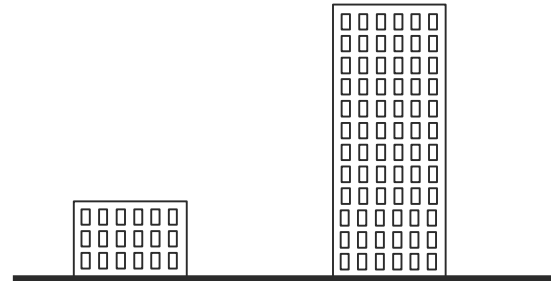
ADAPTABILITY - REGION



FLEXIBILITY - TIME



SCALE - SIZE





**SAY - FORMULA
FOR LIVING!**