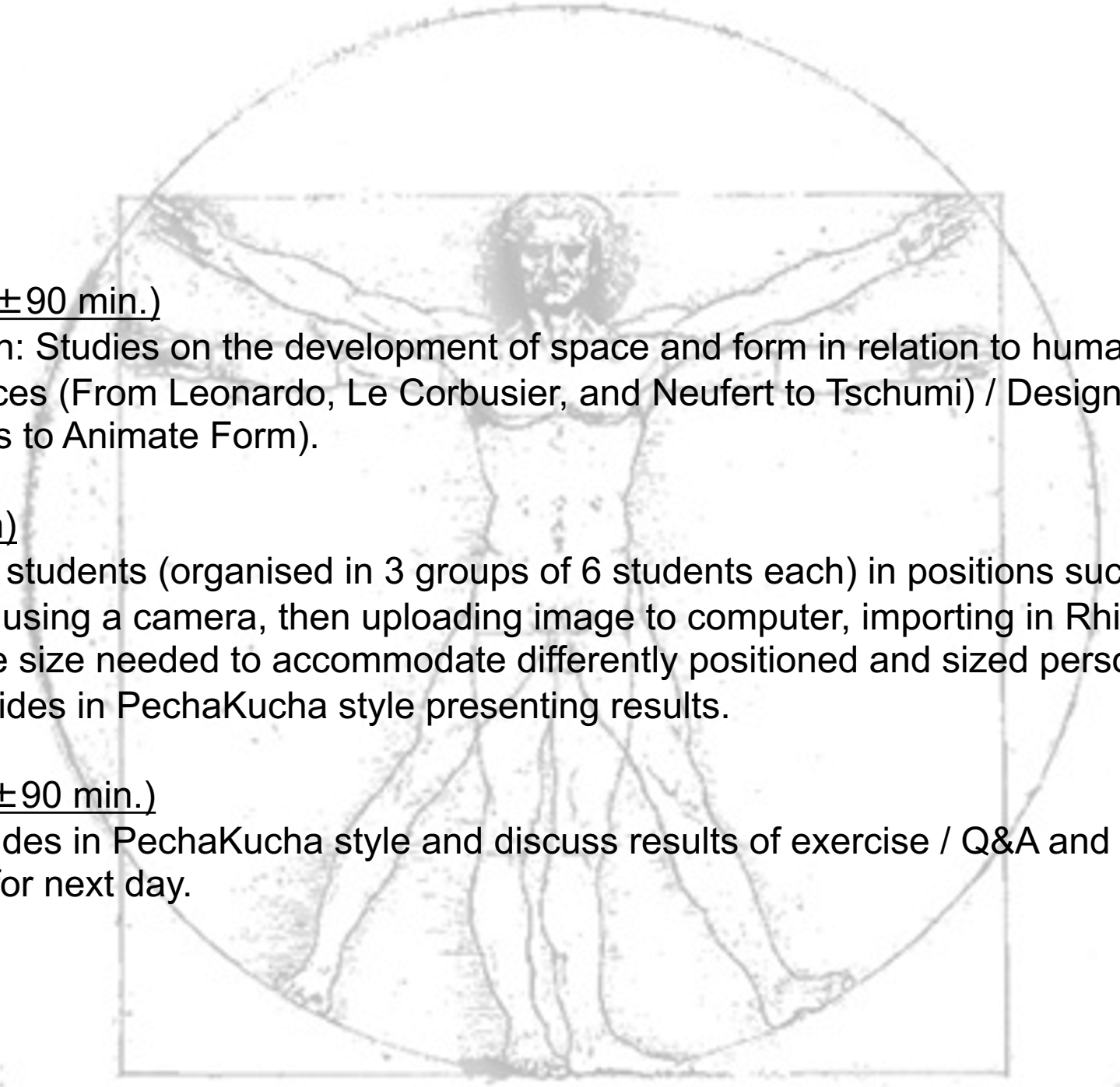


2 WEEK
Monday

Lecture/Tutorials (±90 min.)

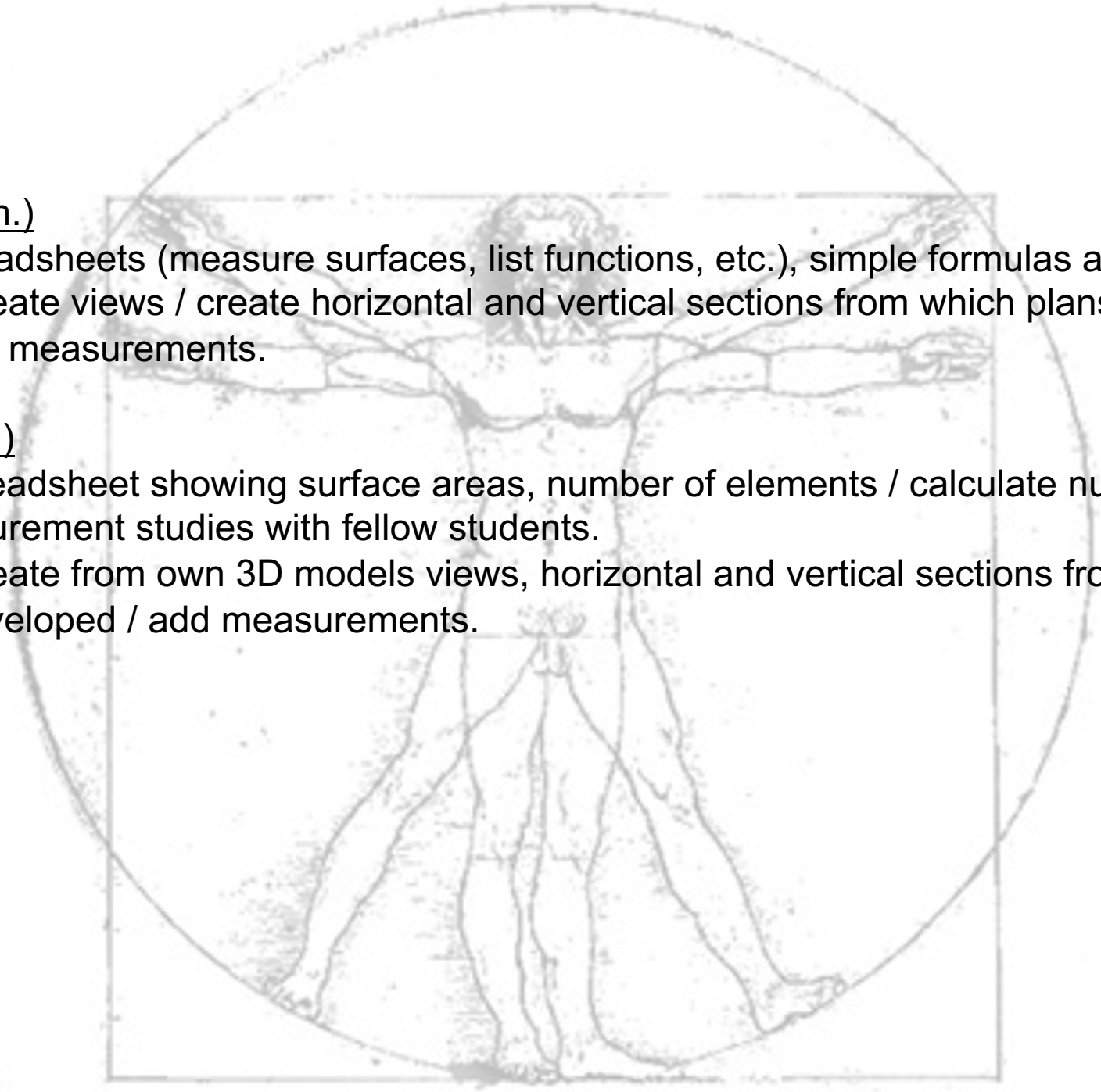
1. Measure of Man: Studies on the development of space and form in relation to human behaviour patterns and motion sequences (From Leonardo, Le Corbusier, and Neufert to Tschumi) / Design approaches (from Diagram Diaries to Animate Form).

Exercise (±45 min)

2. Measure fellow students (organised in 3 groups of 6 students each) in positions such as standing, sitting, laying down by using a camera, then uploading image to computer, importing in Rhino, and defining scale. Compare space size needed to accommodate differently positioned and sized persons.
3. Prepare PPT-slides in PechaKucha style presenting results.

Seminar/Review (±90 min.)

4. Present PPT-slides in PechaKucha style and discuss results of exercise / Q&A and discussion on Tutorials and Exercises for next day.



Tuesday

Tutorials (±270 min.)

1. Formatting spreadsheets (measure surfaces, list functions, etc.), simple formulas and calculations.
2. CAD (2-3D): Create views / create horizontal and vertical sections from which plans and sections are developed / add measurements.

Exercise (±90 min.)

3. Create own spreadsheet showing surface areas, number of elements / calculate number of max. occupancy based on measurement studies with fellow students.
4. CAD (2-3D): Create from own 3D models views, horizontal and vertical sections from which plans and sections are developed / add measurements.

Wednesday

Tutorials (±90 min.)

1. CAD (2-3D): Design by altering replica according to parameters such as porosity, transparency, facettation, etc. based on precedents and use of alternative materials such as concrete, wood, etc.

Exercise (±180 min.)

3. CAD (2-3D): Design/alter own design according to parameters such as porosity, transparency, facettation, etc. as learned from tutorials.
4. Develop concept for own design based on methods and approaches introduced in lectures, seminars and tutorials / Understand design assignment in relation to body, form and function resulting in a new/modified architectural embodiment / Determine the basics of a design task, deriving a space concept with a fixed construction volume for the specific location.
5. Neufert: Architect's Data (read text and prepare PPT-presentation in PechaKucha style organised in 3 groups of 6 students each pp. 1-20, pp. 20- 41, and pp. 42-65).

Seminar/Review (±90 min.)

6. Neufert: Architect's Data (present 3 PPT-presentations in PechaKucha style and discuss content).
7. Q&A and discussion on Tutorials and Exercises for next day.

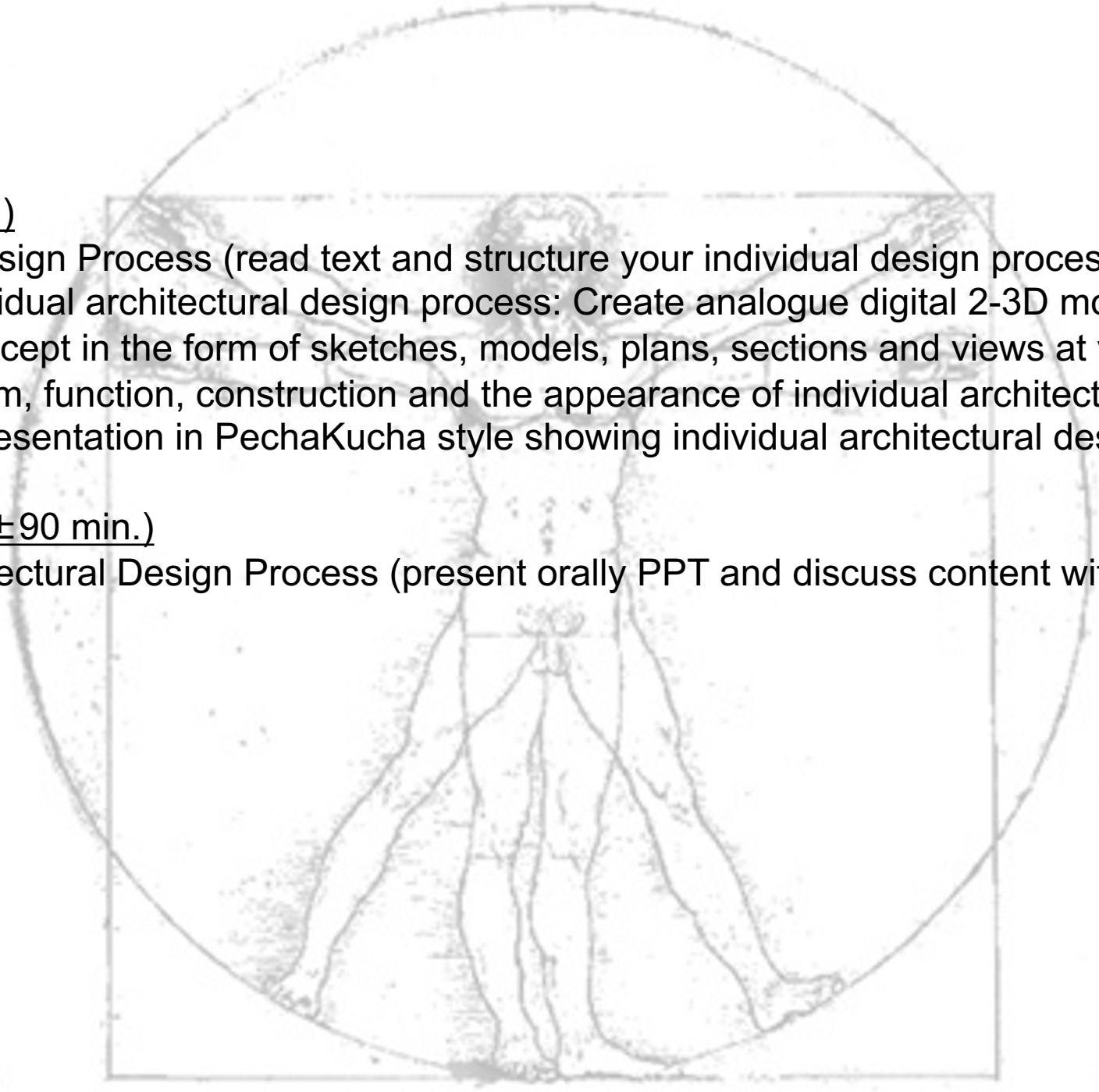
Thursday

Exercise (±90 min.)

1. Architectural Design Process (read text and structure your individual design process accordingly).
2. Sketch out individual architectural design process: Create analogue digital 2-3D models and representations of individual concept in the form of sketches, models, plans, sections and views at various scales. Design sketchily the form, function, construction and the appearance of individual architectural embodiment.
3. Prepare PPT-presentation in PechaKucha style showing individual architectural design process.

Seminar/ Review (±90 min.)

4. Individual Architectural Design Process (present orally PPT and discuss content with professor and fellow students).



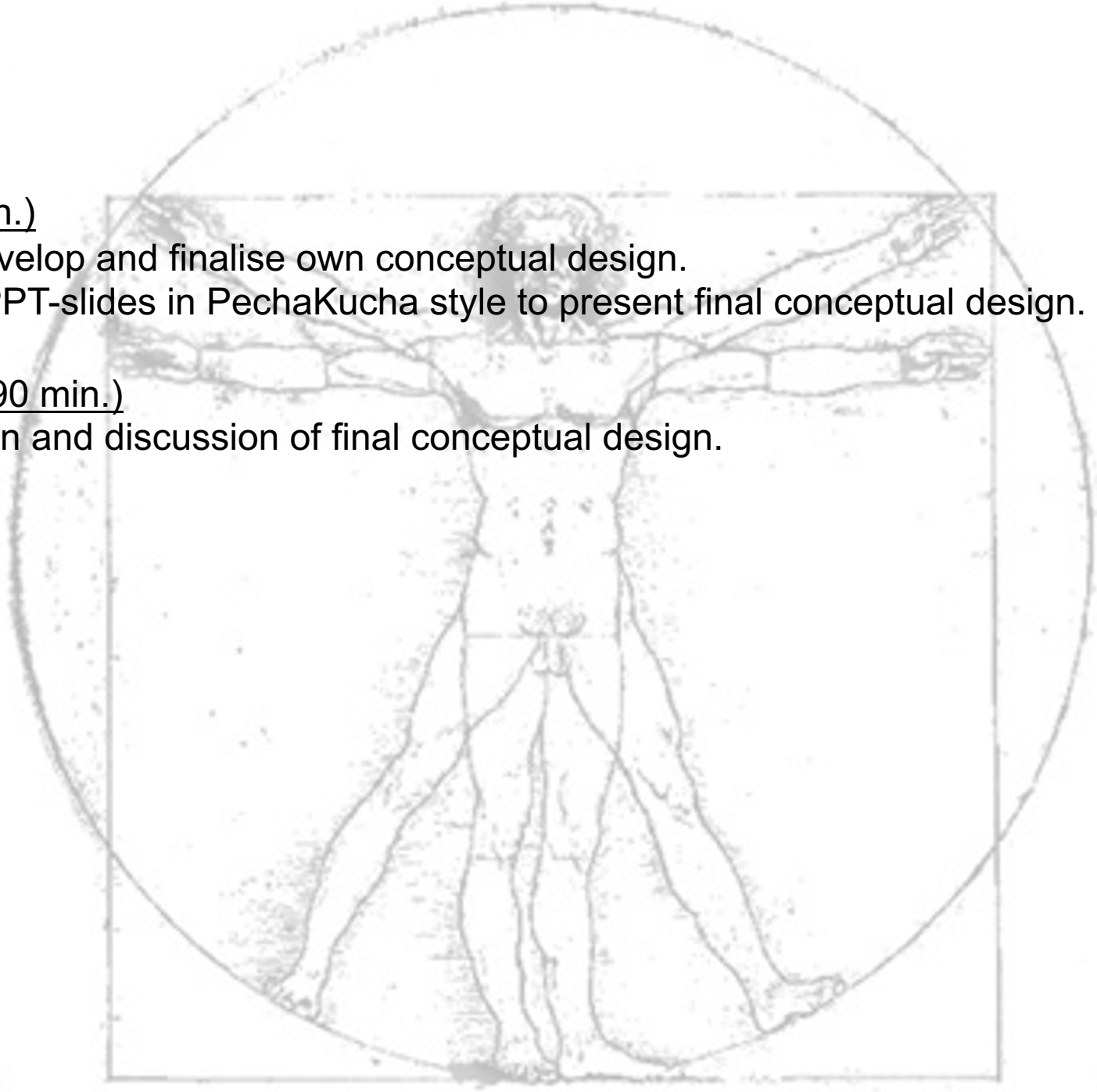
Friday

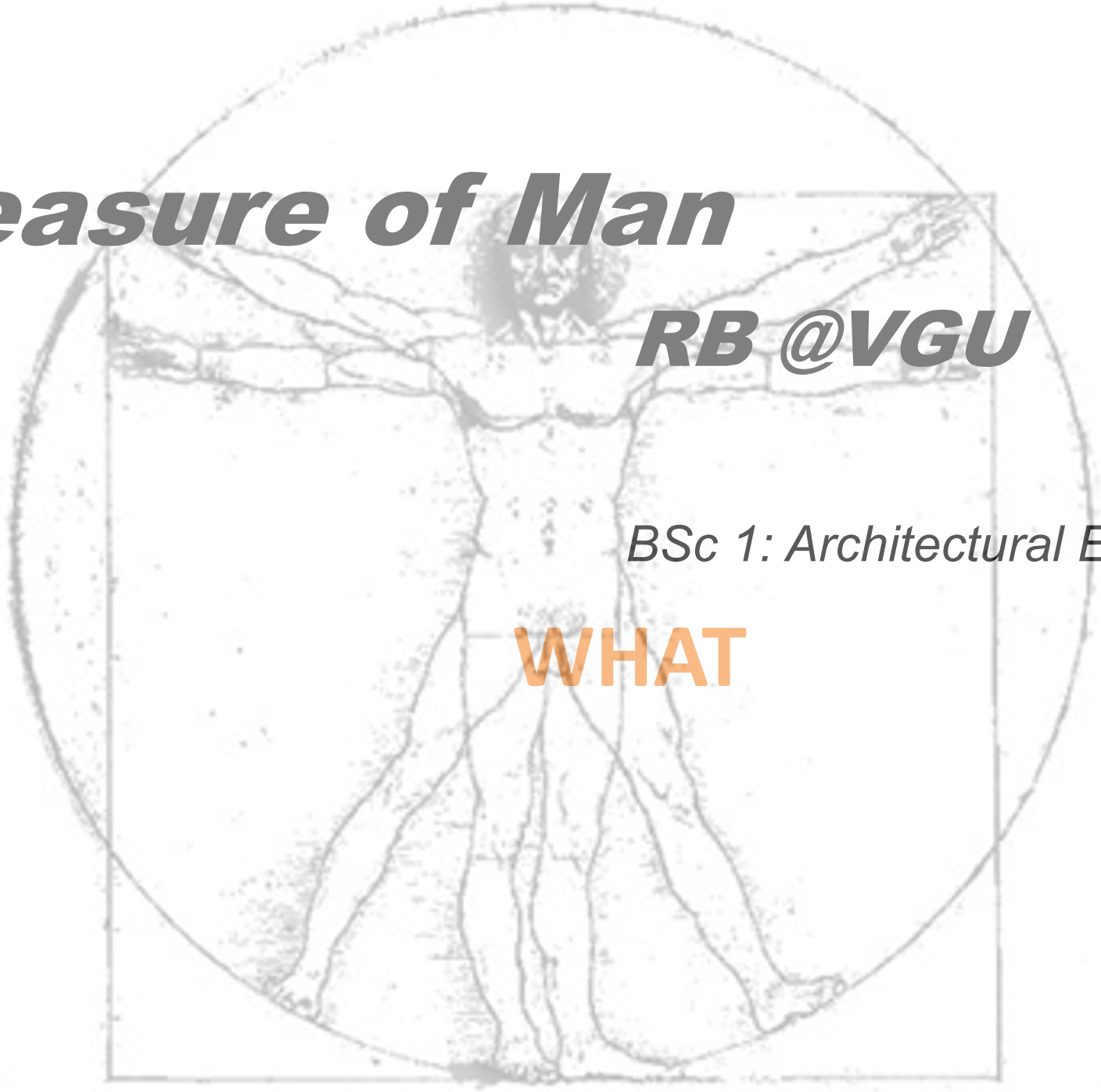
<u>Exercise (±180 min.)</u>

2. CAD (2-3D): Develop and finalise own conceptual design.
3. Preparation of PPT-slides in PechaKucha style to present final conceptual design.

<u>Review/Upload (±90 min.)</u>

4. PPT-presentation and discussion of final conceptual design.



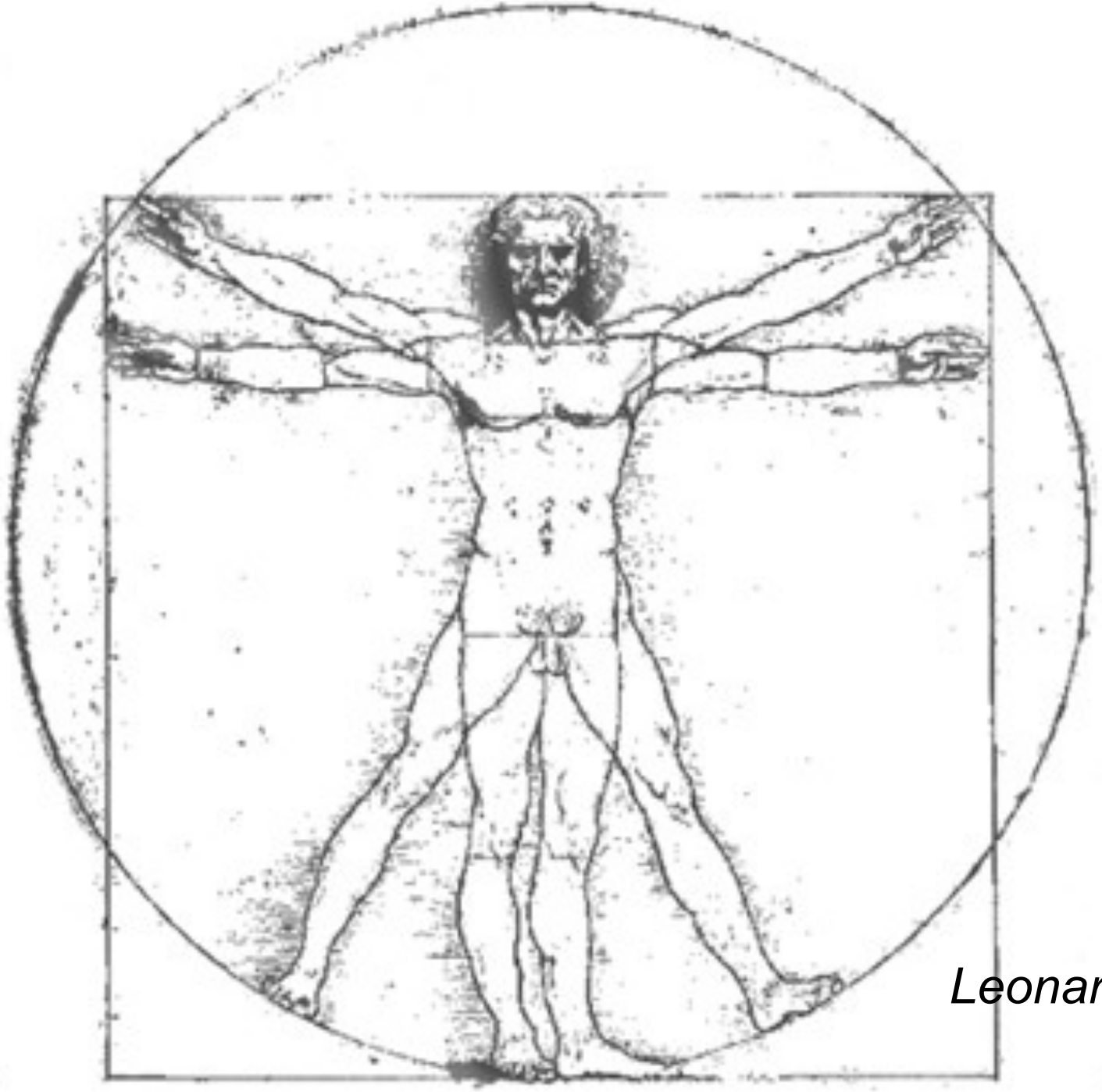


Measure of Man

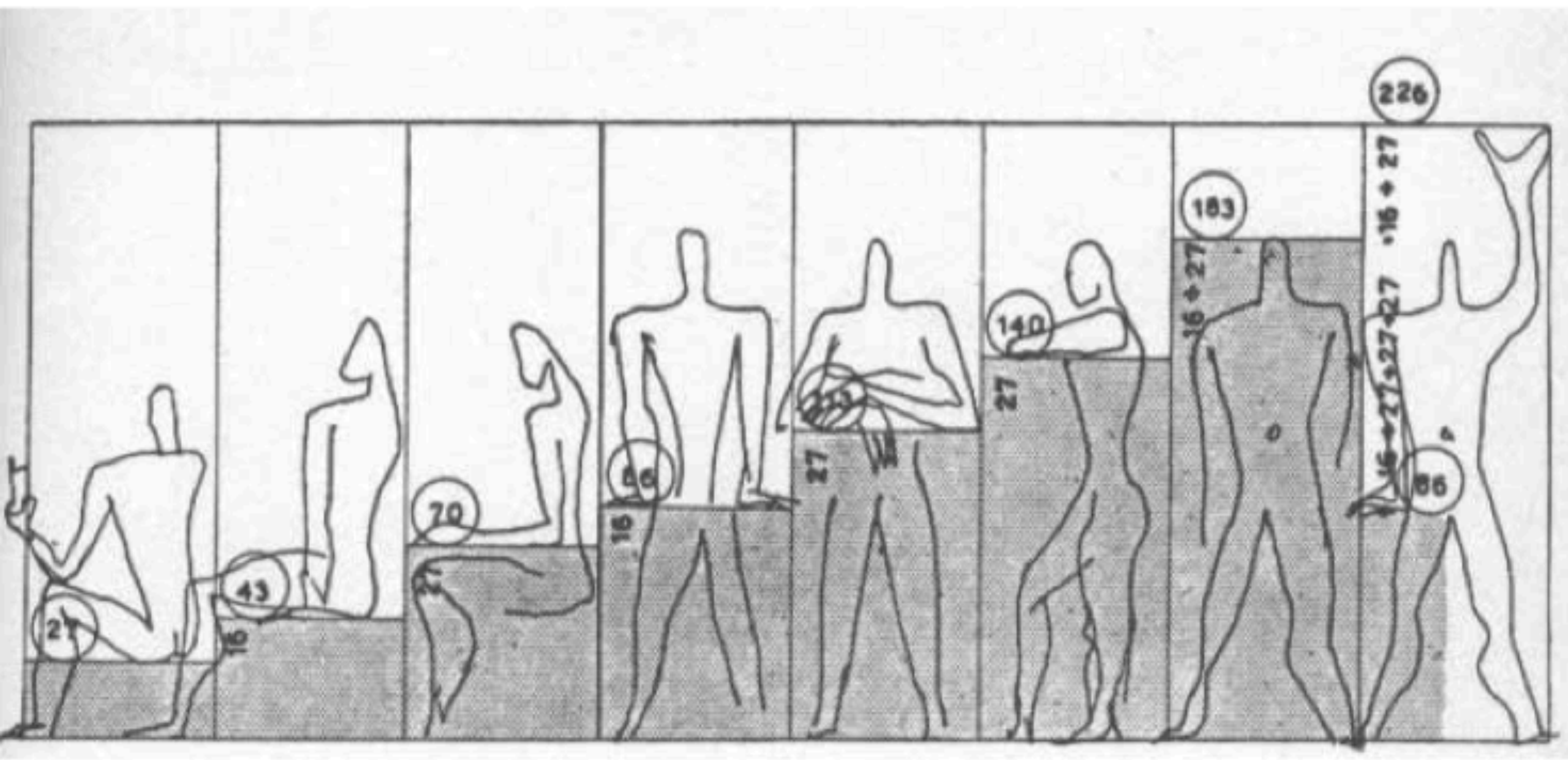
RB @VGU

BSc 1: Architectural Embodiments

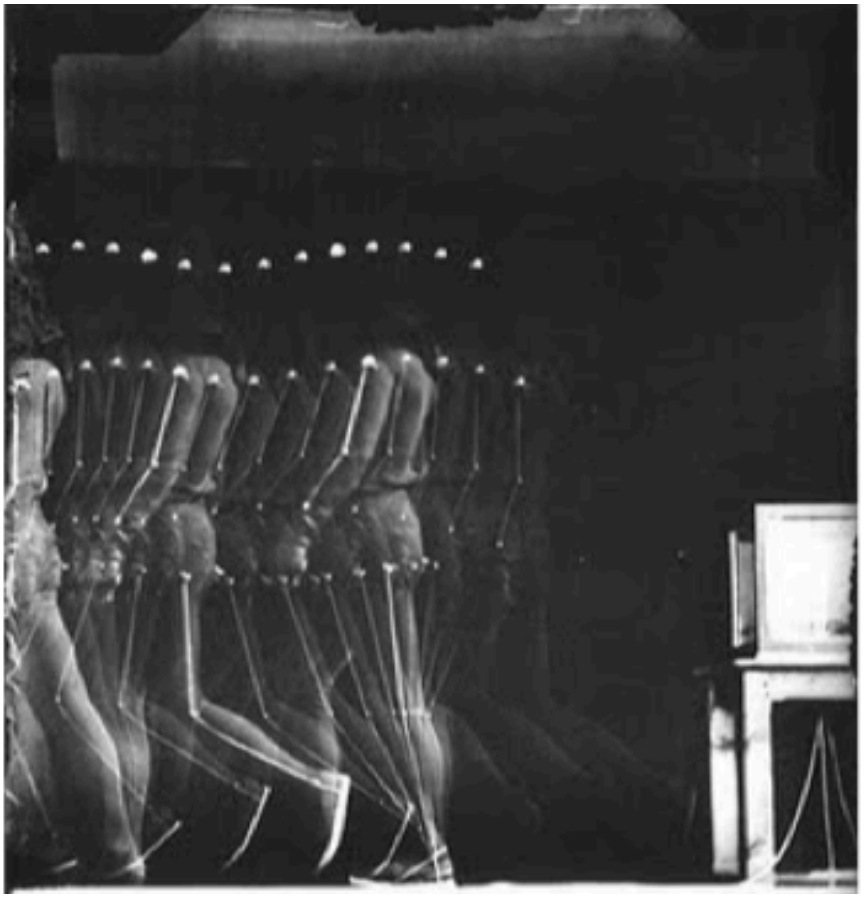
WHAT



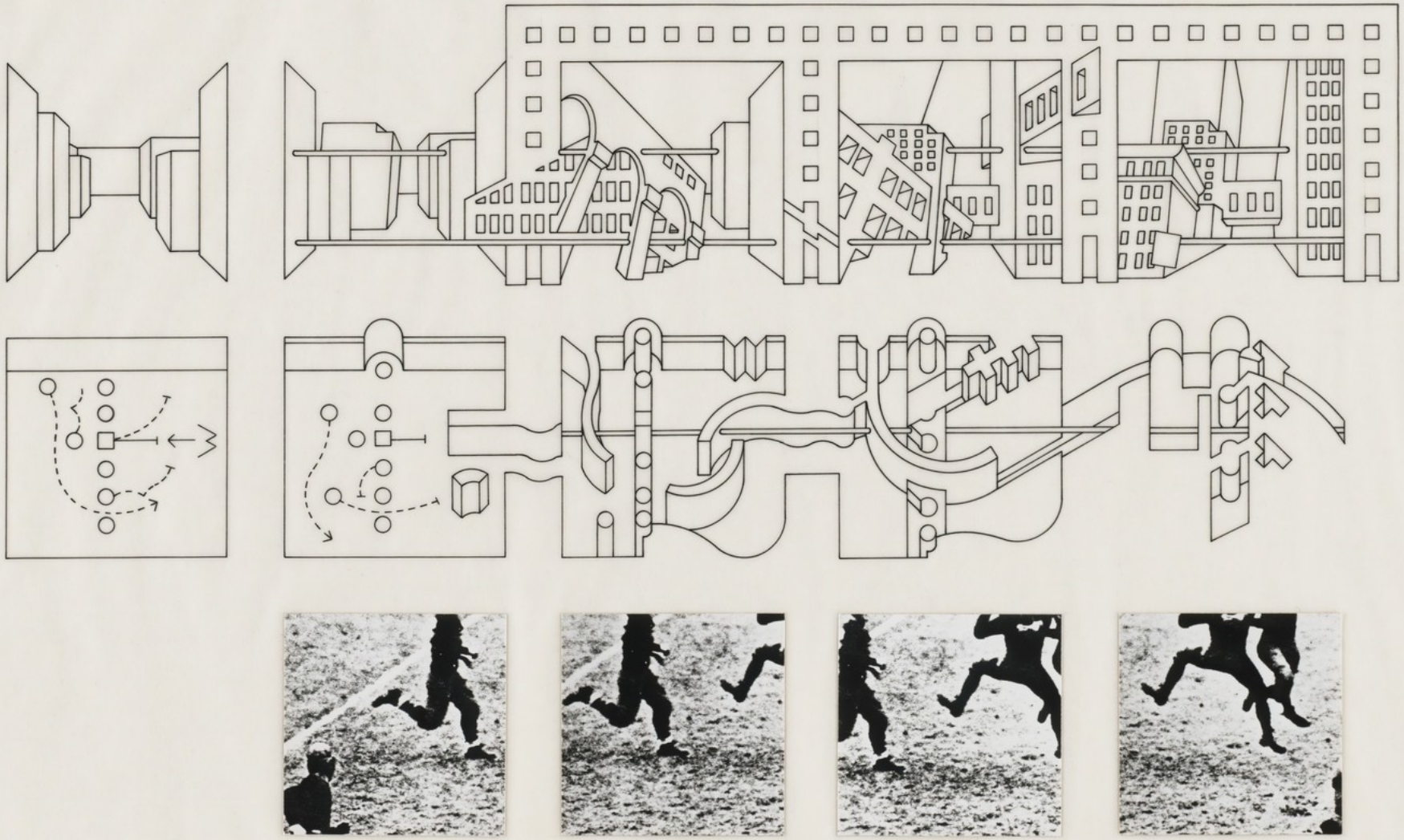
Leonardo da Vinci (1500)



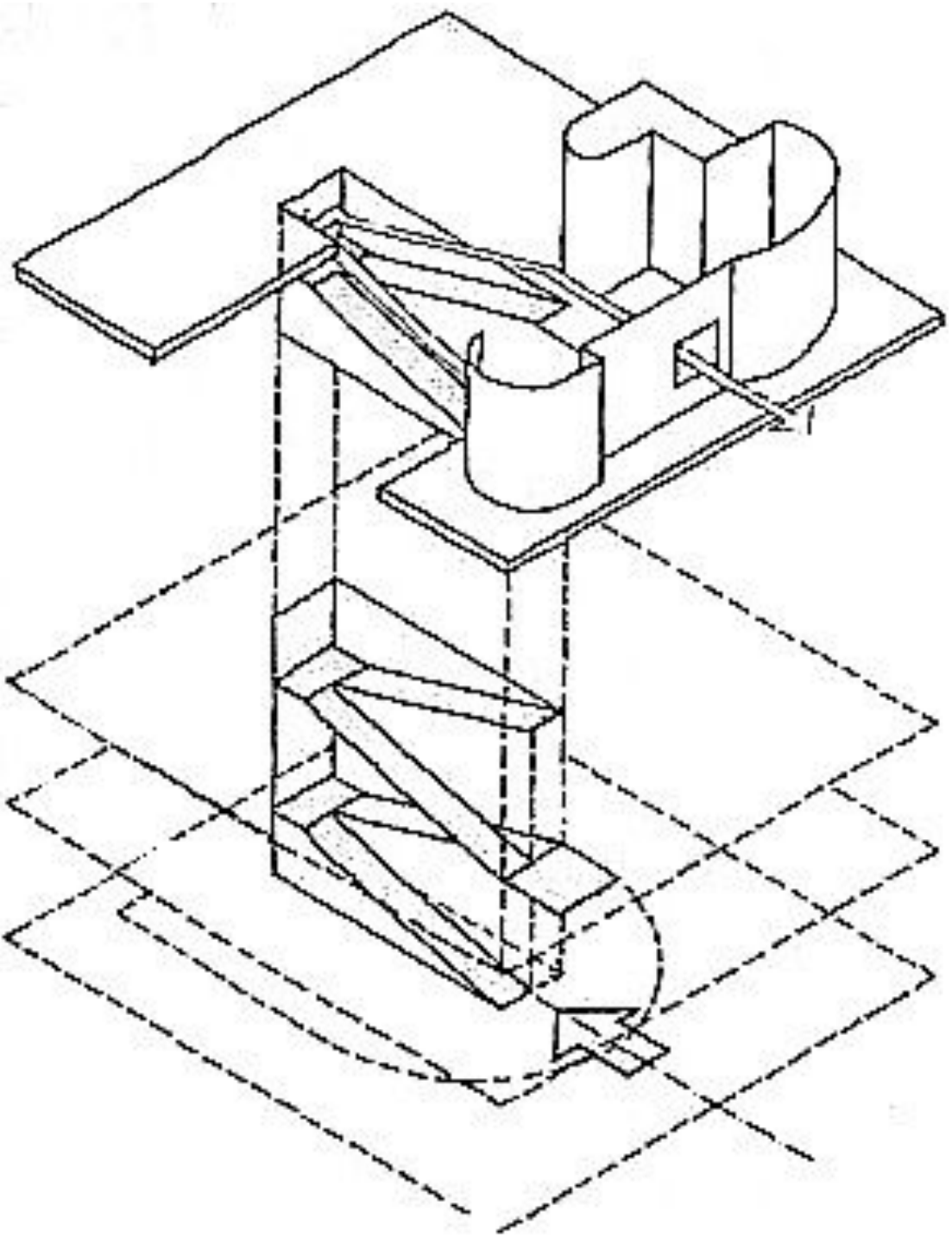
Le Corbusier (1920)



Muybridge (1890)



Tschumi

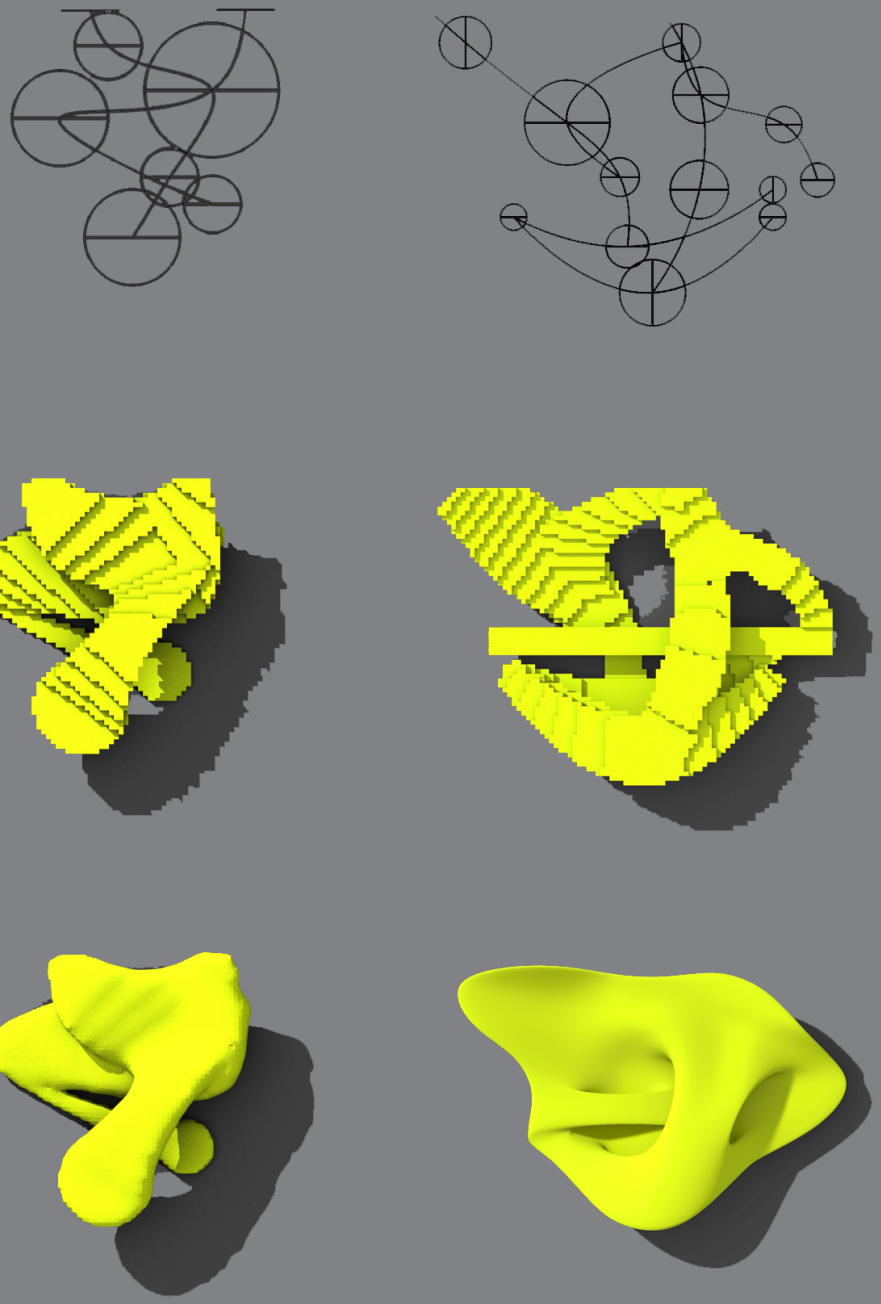


Le Corbusier

MSc 2 (Urban Furniture)

MORE VIDEOS
0:48 / 2:16
YouTube

INTERACTION?
MORE VIDEOS
1:18 / 2:16
YouTube



THE PIT

An enclosed hole, with an inwards character

HIGHLAND

The highest land slide

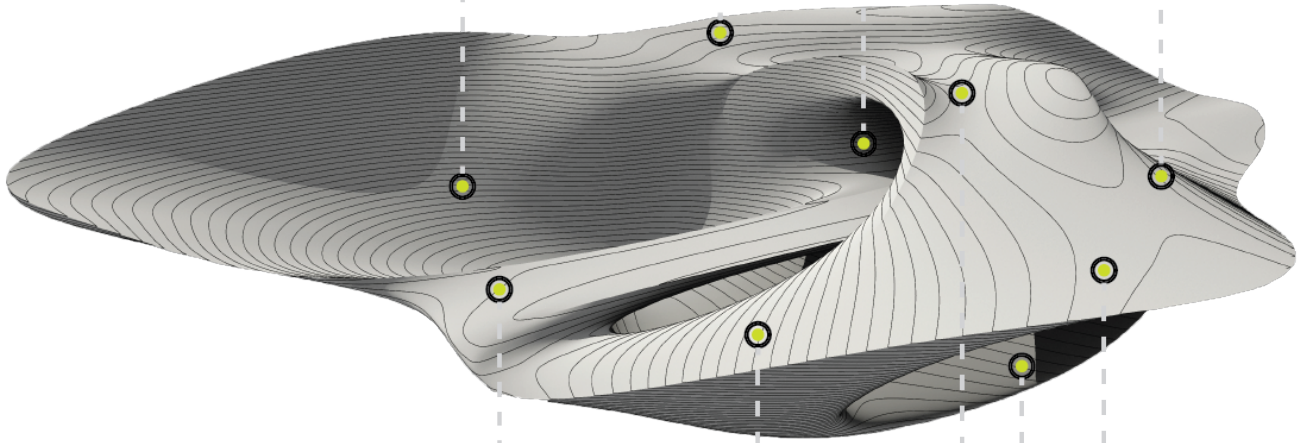
THE CAVE

An enclosed shelter point

THE SLOPE

An upwards surface at the end of the track

INTERACTIVE urban furniture



CATWALK

A passage through the landscape

OVERPASS

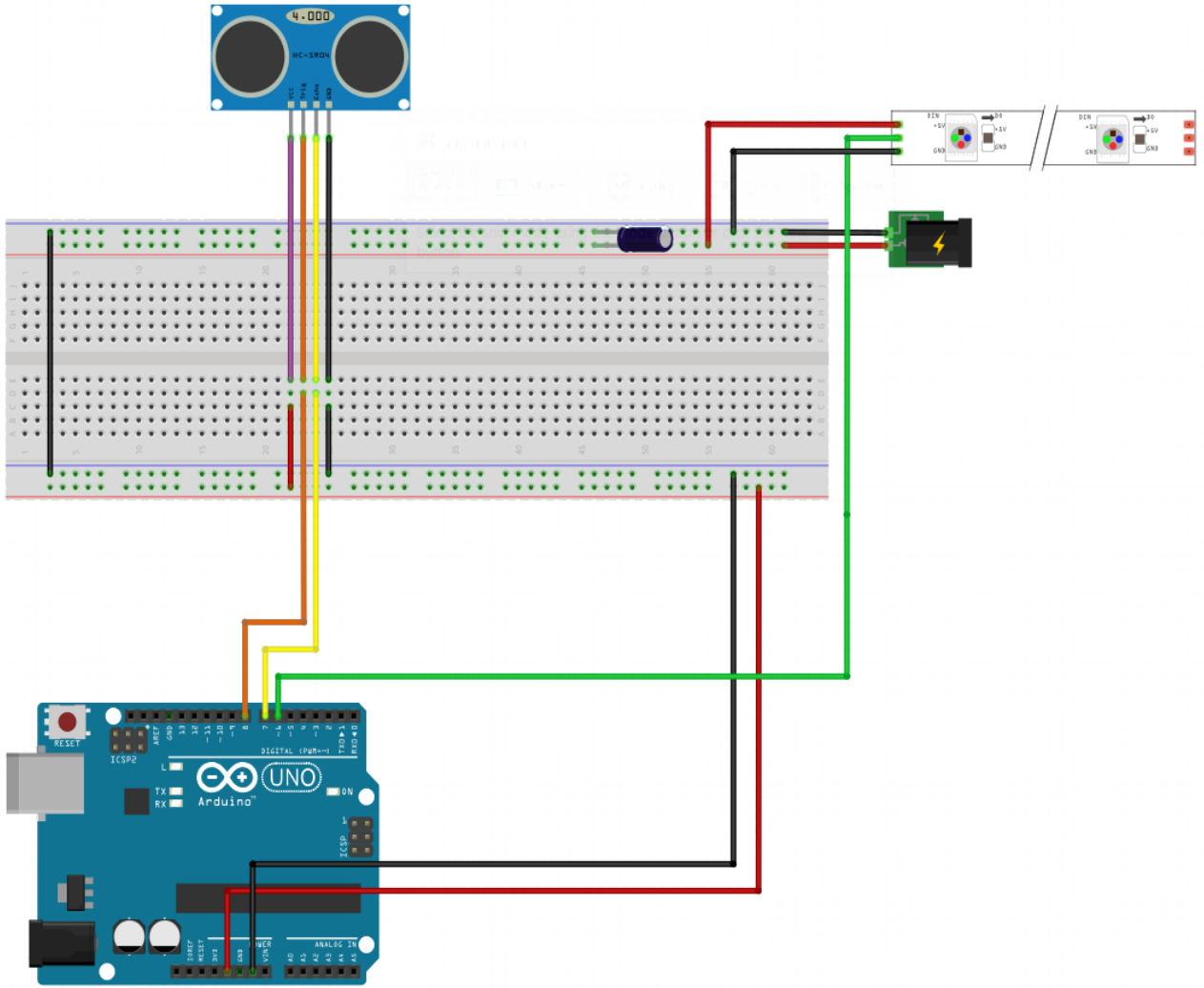
The connection between two highs

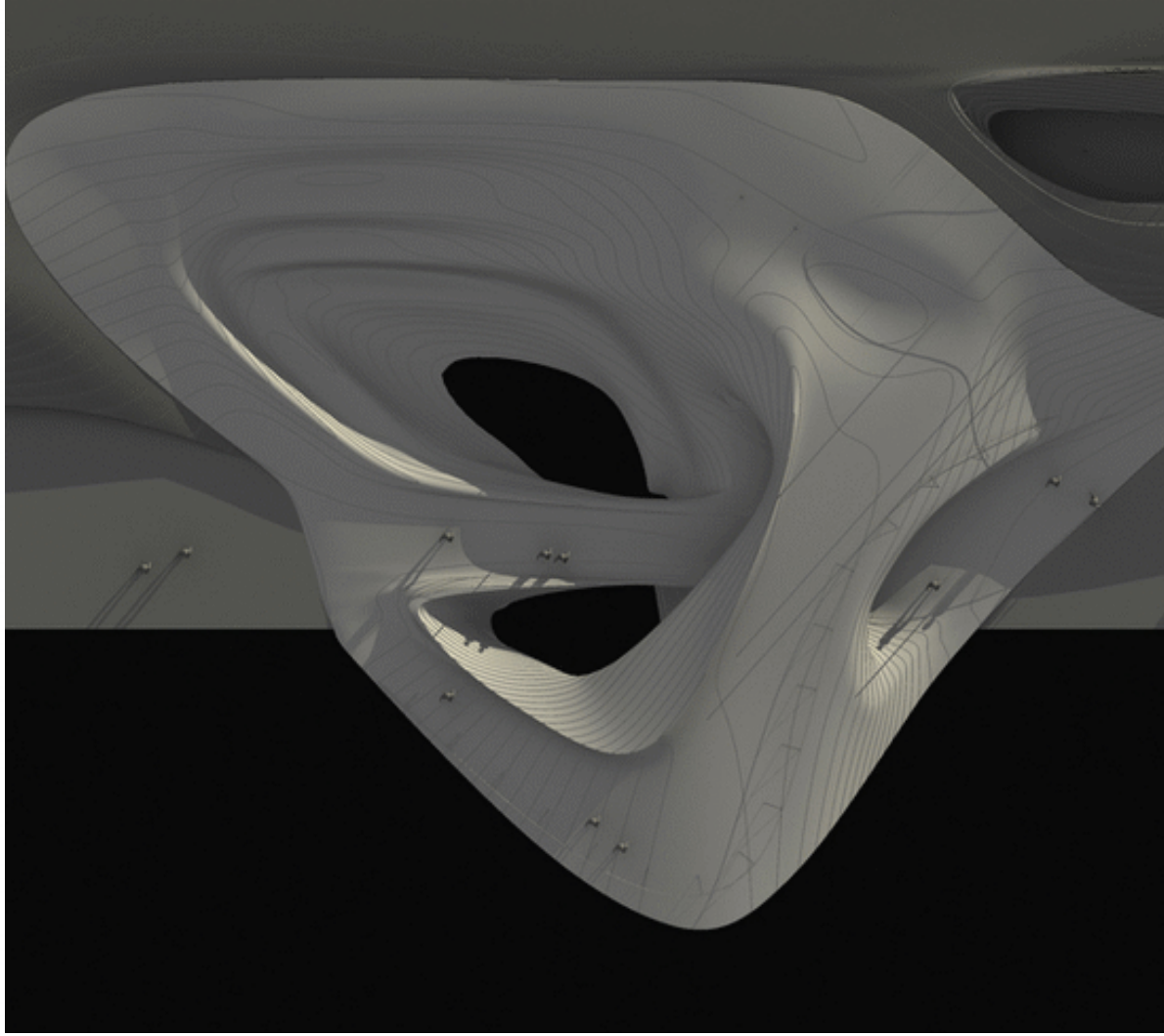
SINKING

The lowest surface of the landscape

THE RISE

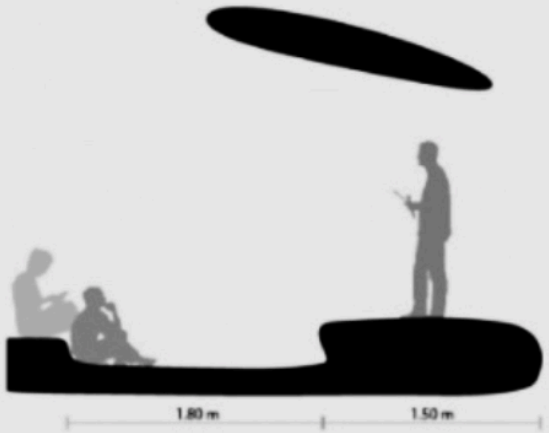
A cantiliver above the structure


4.000
HC-SR04
RESET
ICSP2
UNO
Arduino
TX
RX
ON
DIGITAL (PWM~)
ANALOG IN



TU Delft

Fishing

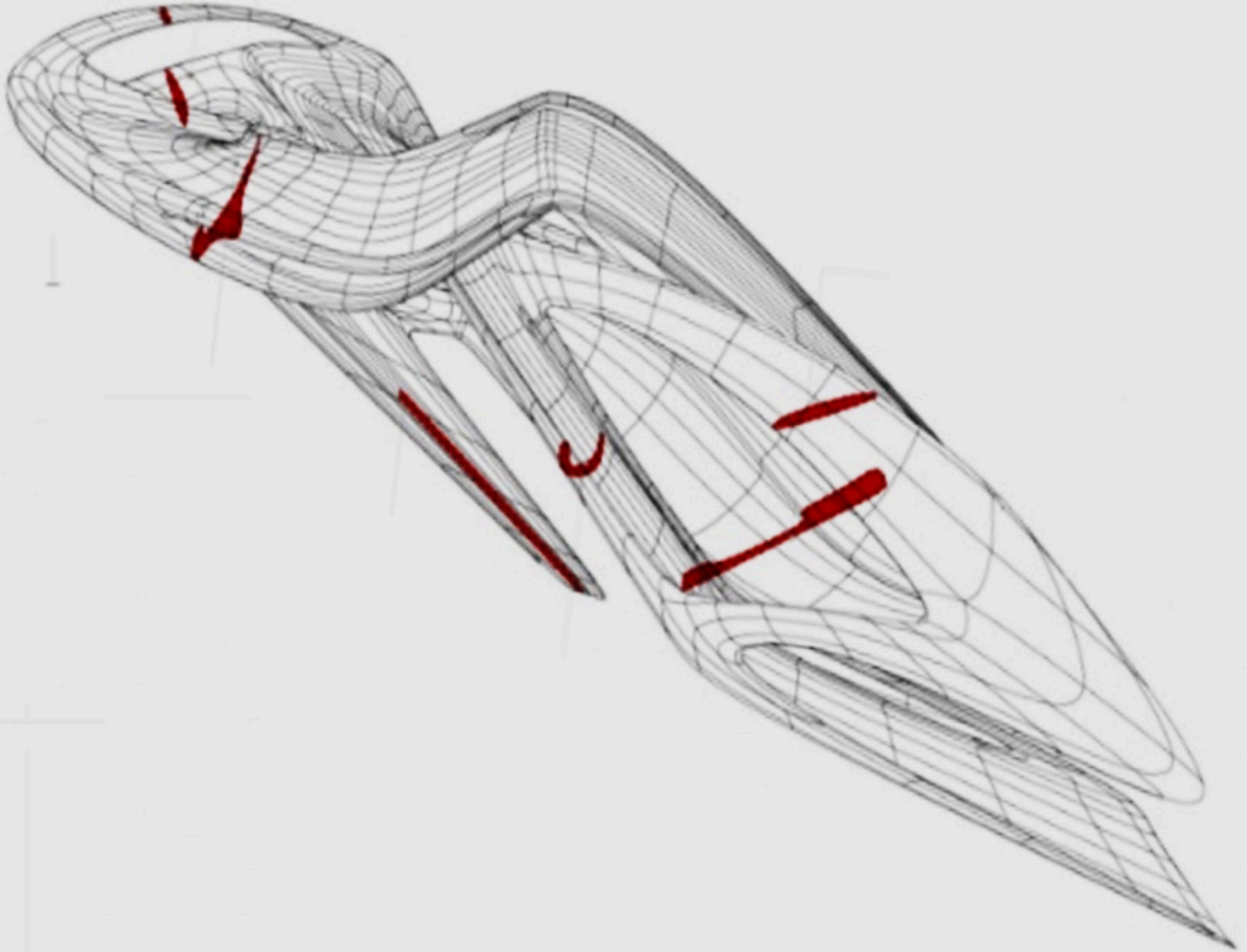


Gatherings

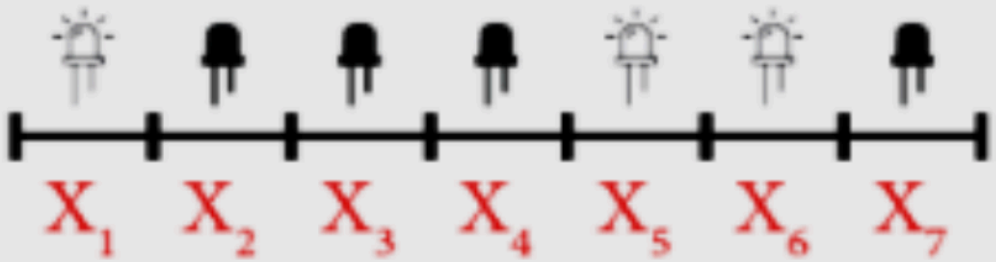
Relaxing

Individual space

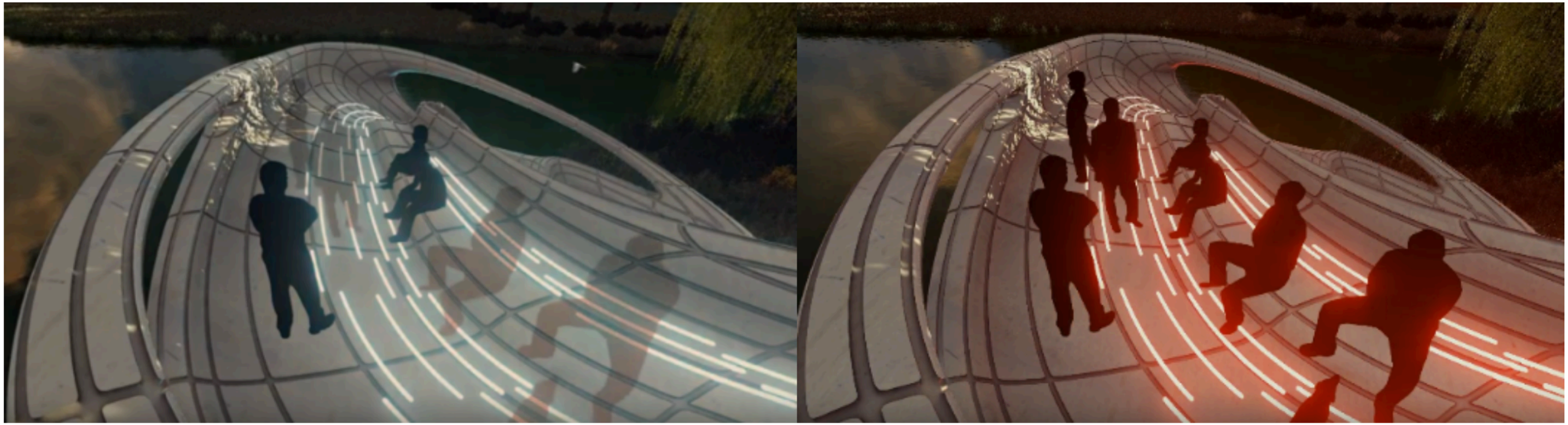
Dogs



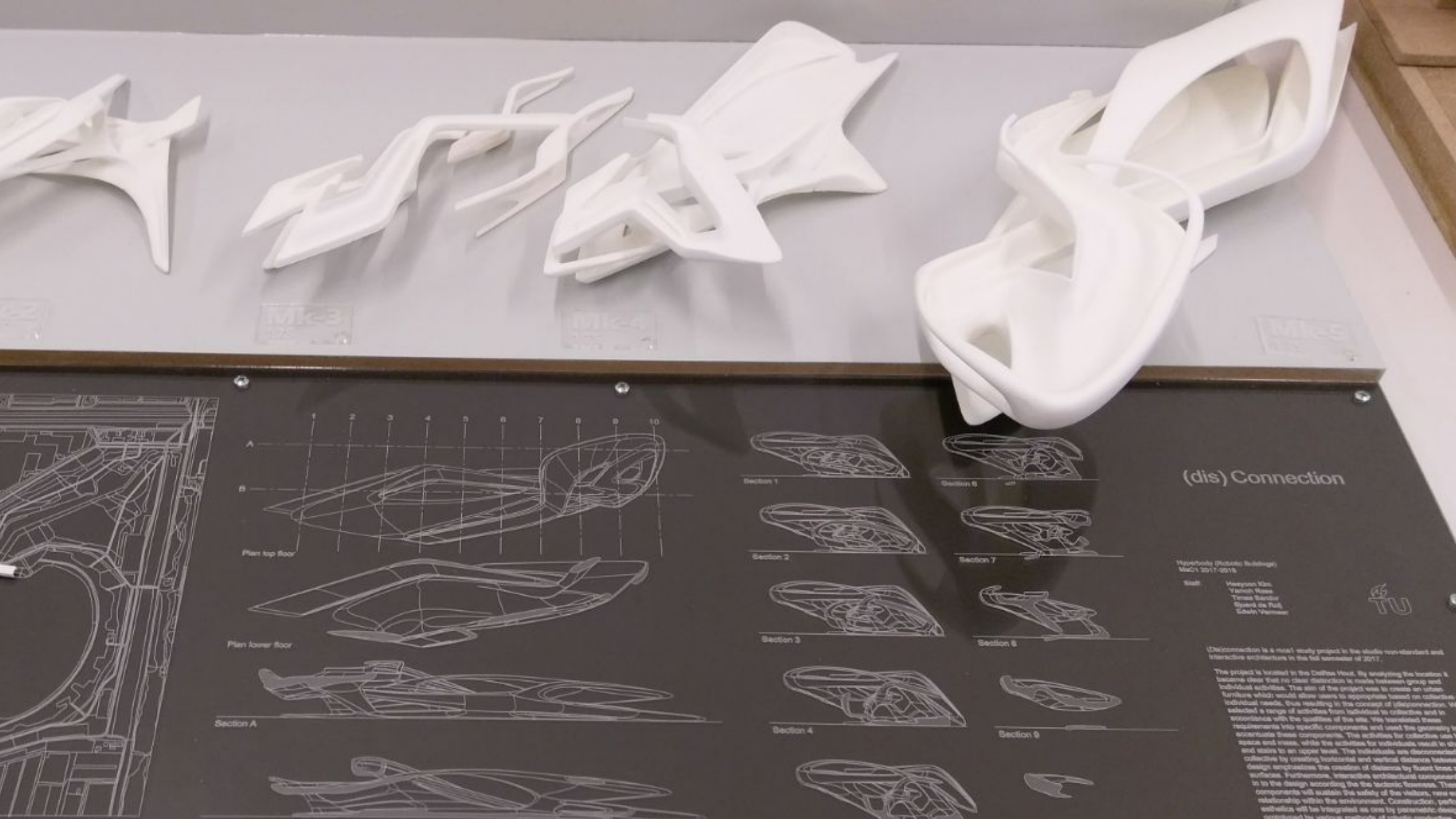
Combined values of sensors in area Y (density) = specif-ic LED color

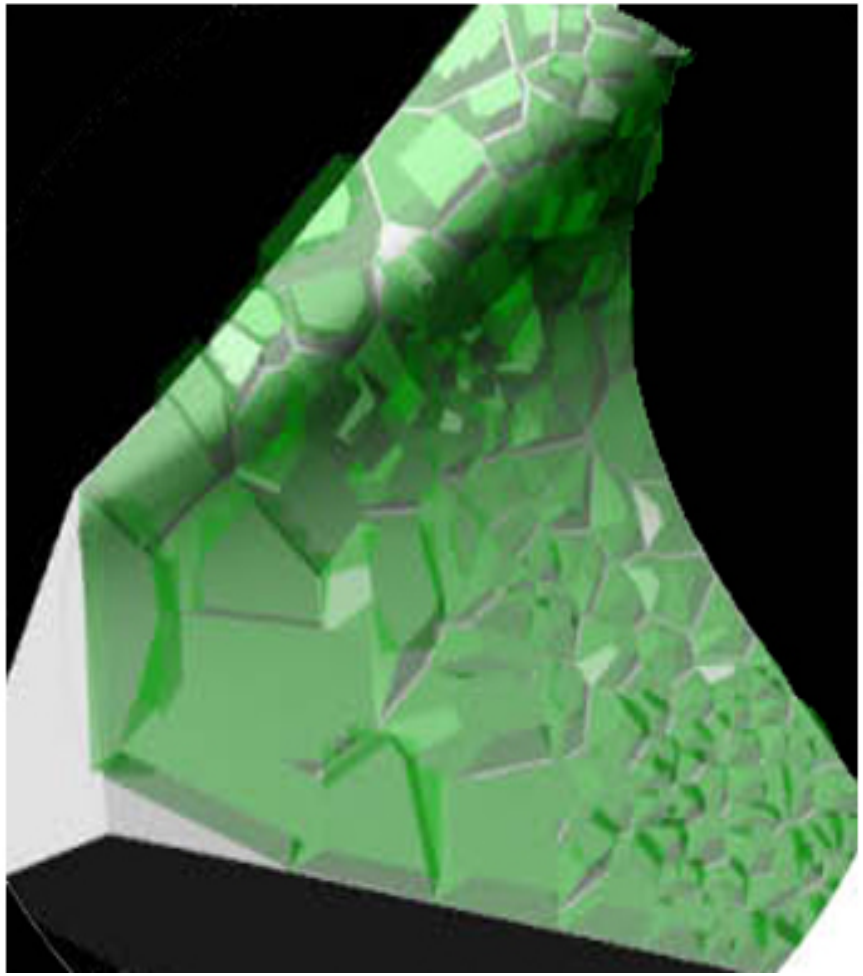


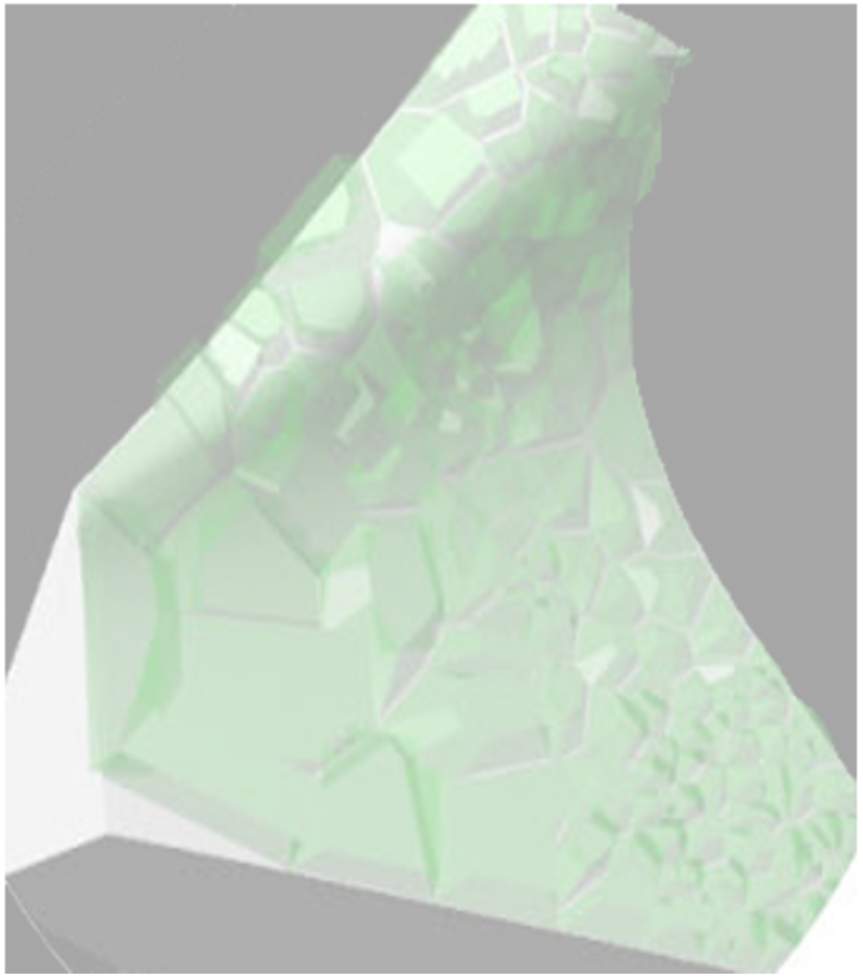
If trigger at X_1 is false, then sleep mode = randomly change on/off, brightness and color of LED's.



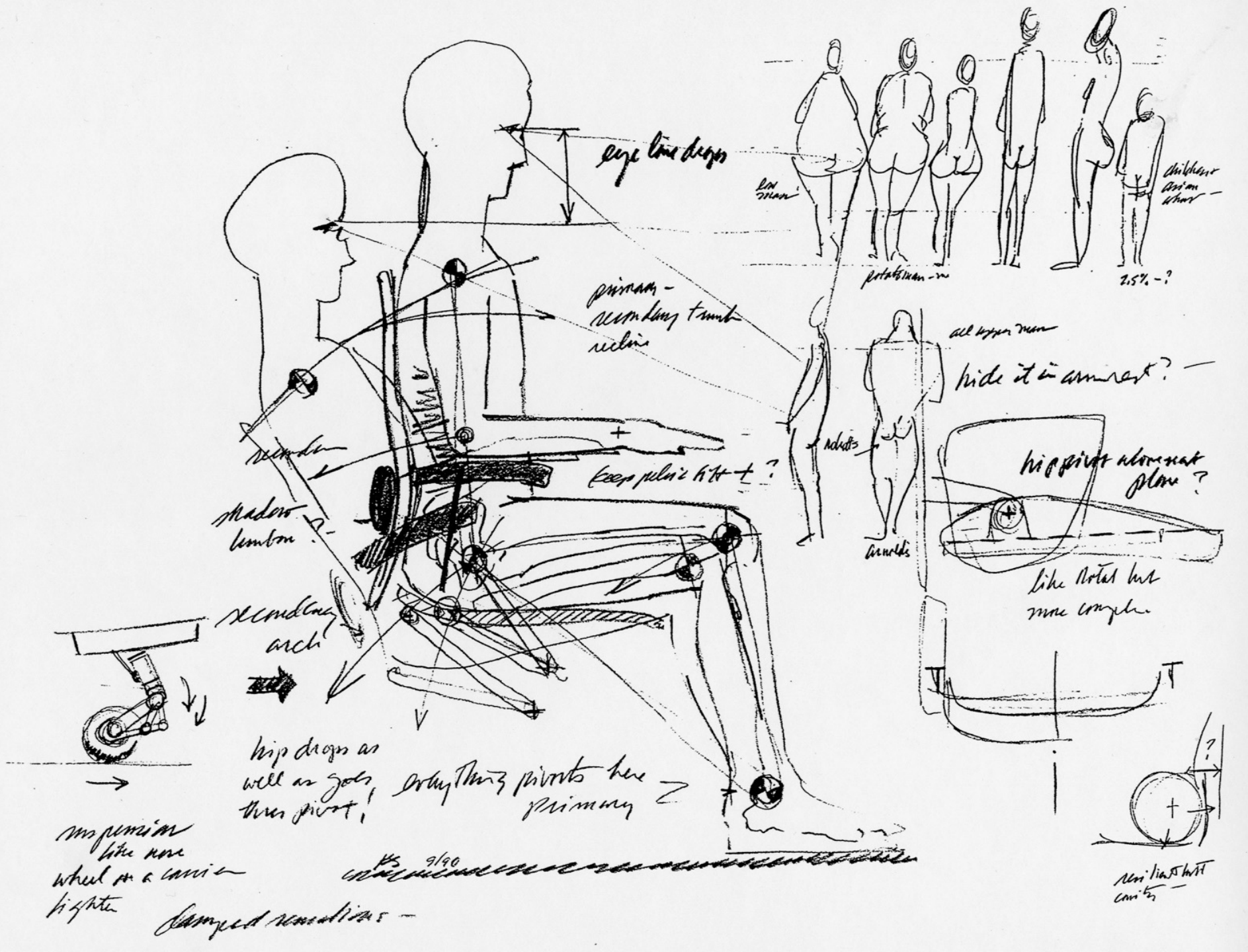
D2RPA&O (14-20)


(dis) Connection
Plan top floor
Plan lower floor
Section A
Section 1
Section 2
Section 3
Section 4
Section 5
Section 6
Section 7
Section 8
Section 9





MSc 2 (Student Housing)


eye line drops
primary - secondary trunk recline
secondary
shadow lumbar ?
secondary arch
keep pelvic tilt + ?
hip drops as well as goes thru pivot!
everything pivots here primary ?
suspension like nose wheel on a carrier fighter
damped sensations -
KS 9/90
low man
potato man - m
2.5% - ?
all upper man
hide it in armrest ? -
robots
arnolds
hip pivot above seat plane ?
like Rotal but more complex
resilient butt cavity -