caad 2006

project idea

intention + interests

physical realm + other realms + fascination exactitude of machine

color volume texture light us

past time....etc

perfection to nth degree
to deformation

intention + interests

physical realm

other realms

fascination exactitude of machine

+

well, us

research ?

can we create an object
informs the human about the physi-
cal realm, other and machine

what already exists in this direction of
design with the current manufactu-
ring and design technologies

key words of research ?

basic human
precious banalities

interpretation of the
machine

create a space of
ephemeral quality

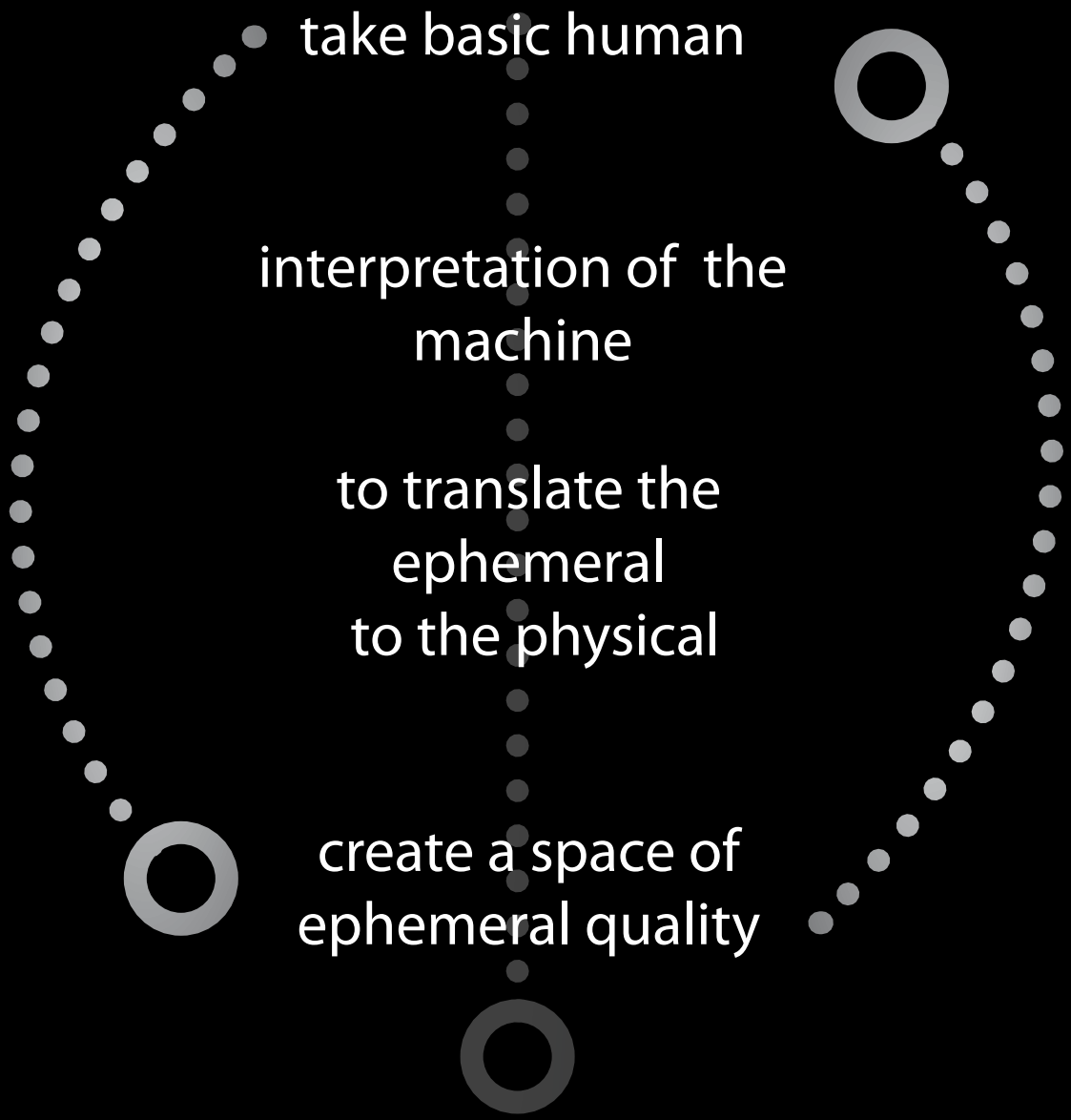
poetic inform the
ratrional

trnaslation of ephe-
meral to physical

design springing from
the imperceptible in us

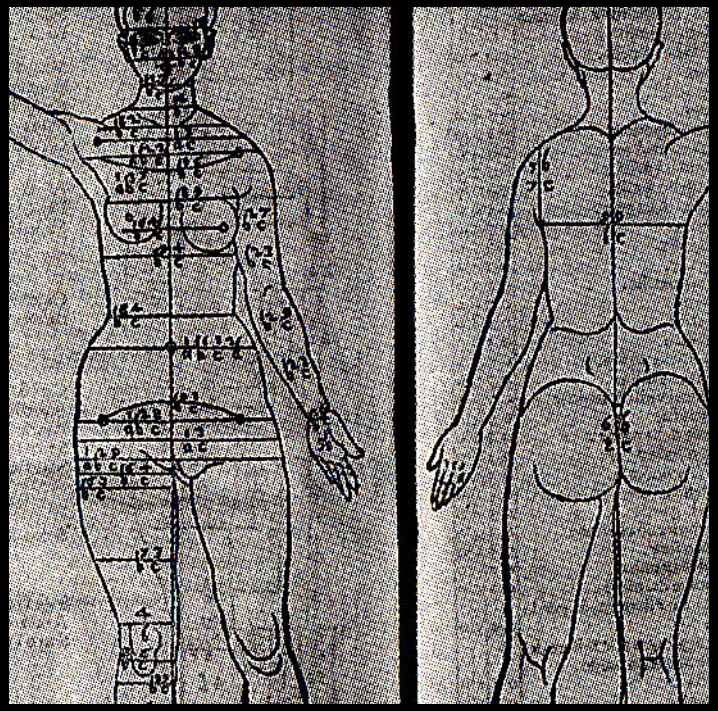
key words re-view

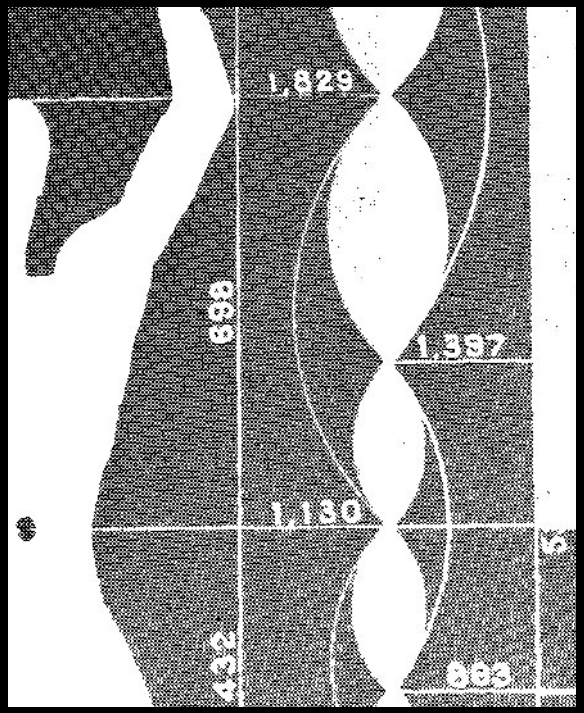
design springing from the imperceptible in us



key words re-view

aim at a spatial project manufactured by the exactitude of modern manufacture that uses human parameters to create and change the design





big ? so what?

does it make a meanigful architecture?

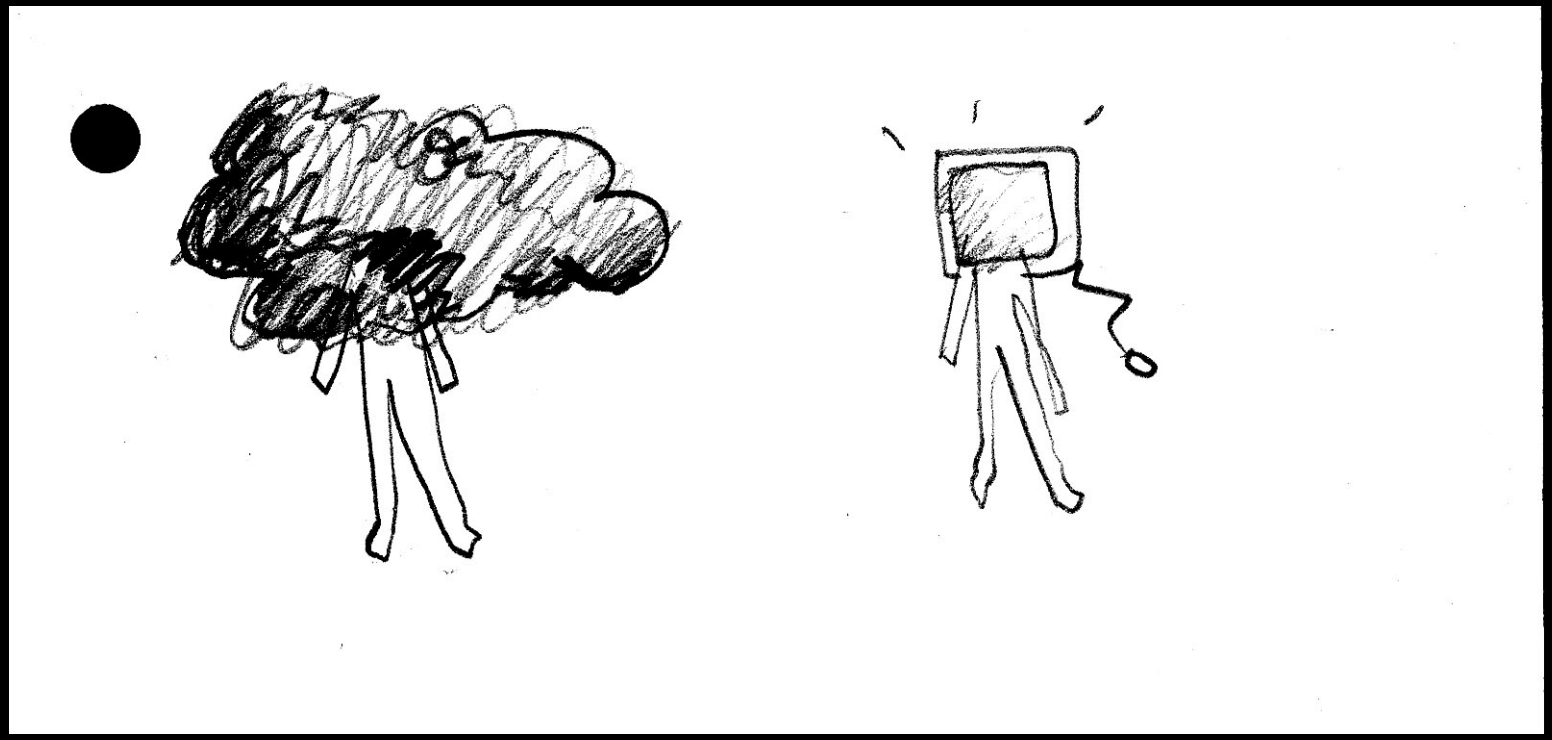
for sure it will make the students think about this human scale

to think about

ROLE

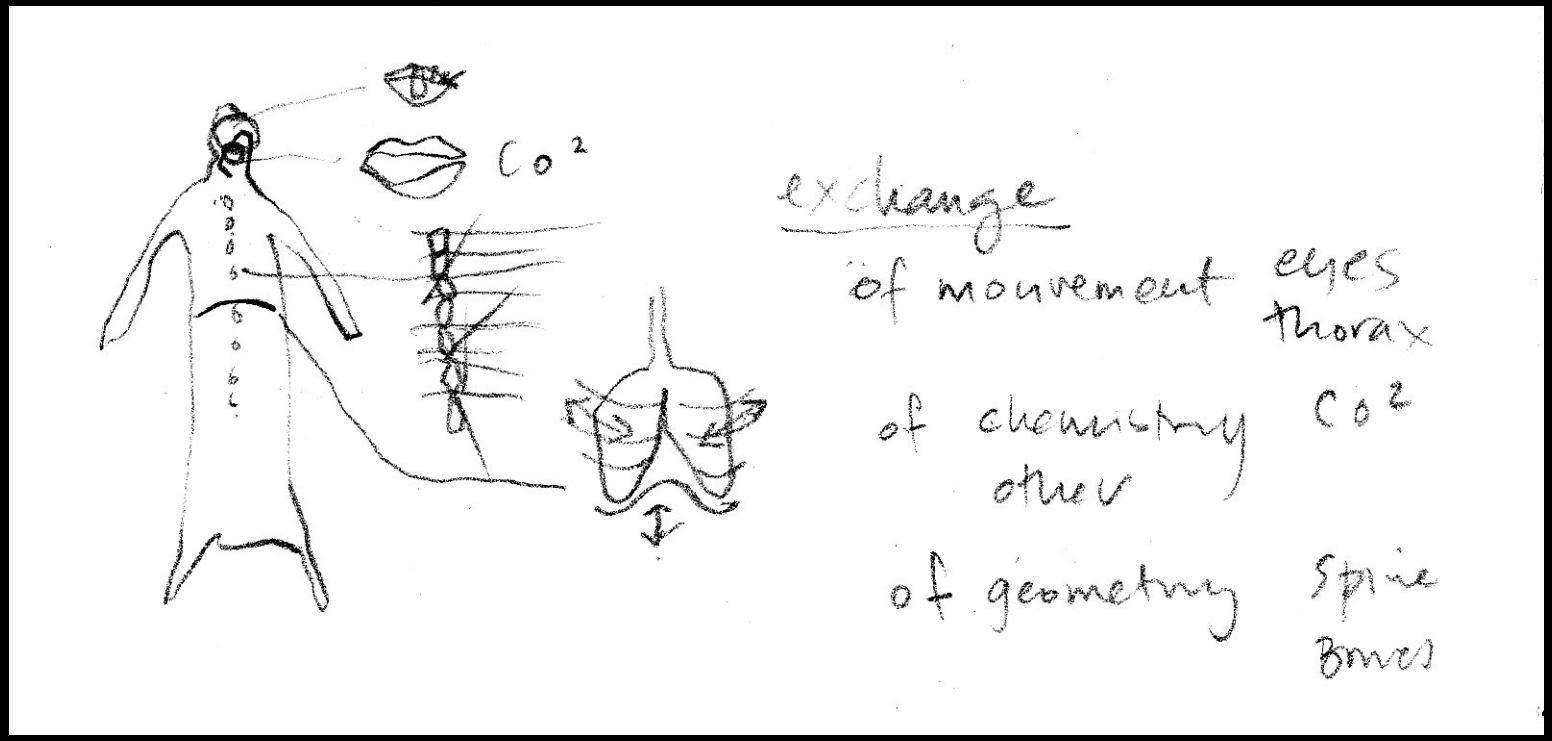
what projects communicates	ideas, process technology	sensorial information
place	ephemeral, moveable, not specific	specific, fixed
natural elements	metaphorical role, implied	active role, present
plan grundgriss	secondary role	primary role
skin from outside and or inside object	active, visible	not active, not visible
structural role, visible, part of design	active in quality of space, visible	not active, in qualtiy of space
user	role passiv	role active	static, cannot enter
technology macro scale /micro scale	structural definition	way it looks	production
role of building	comm. something	blldg as monitor	bldg. as information package
fabrication	inside	outsource	

project sketches



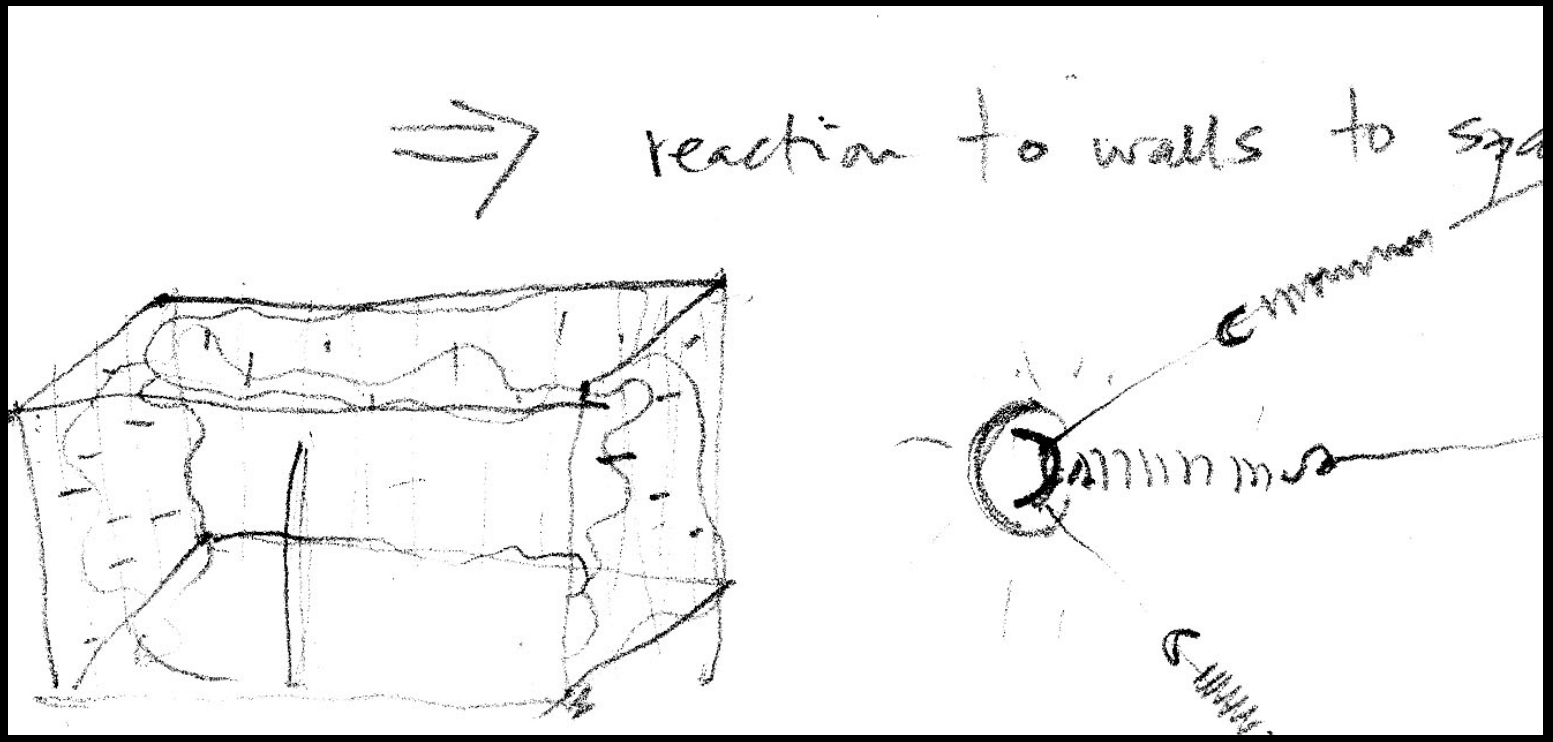
still life?

project sketches



variables = information exchange	exchange of mouvement	eyes, thorax
	exchange of chemistry	co2
	exchange of geometry	spine, bones

project sketches



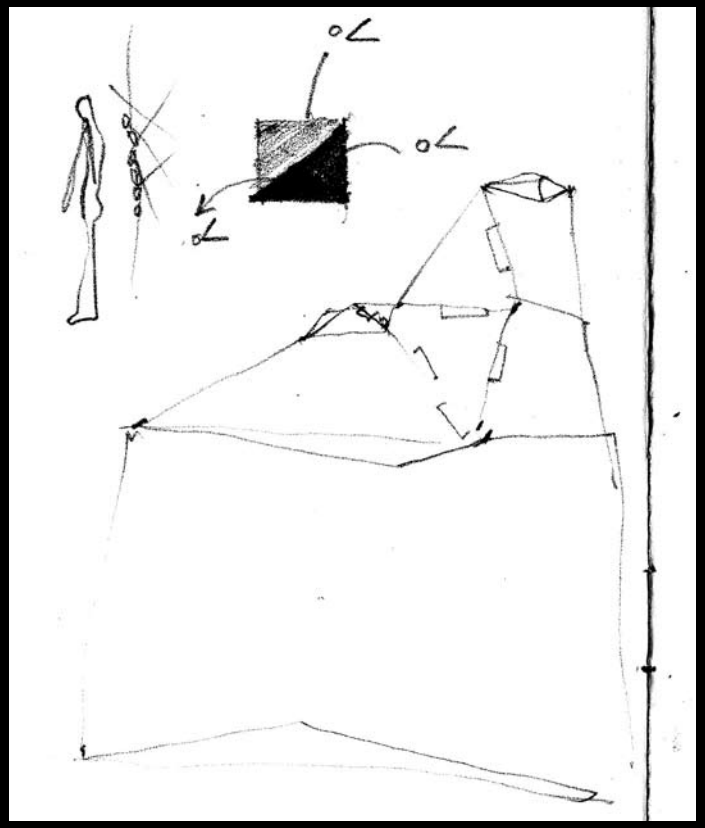
reaction to walls
walls are pulled
springs, tension

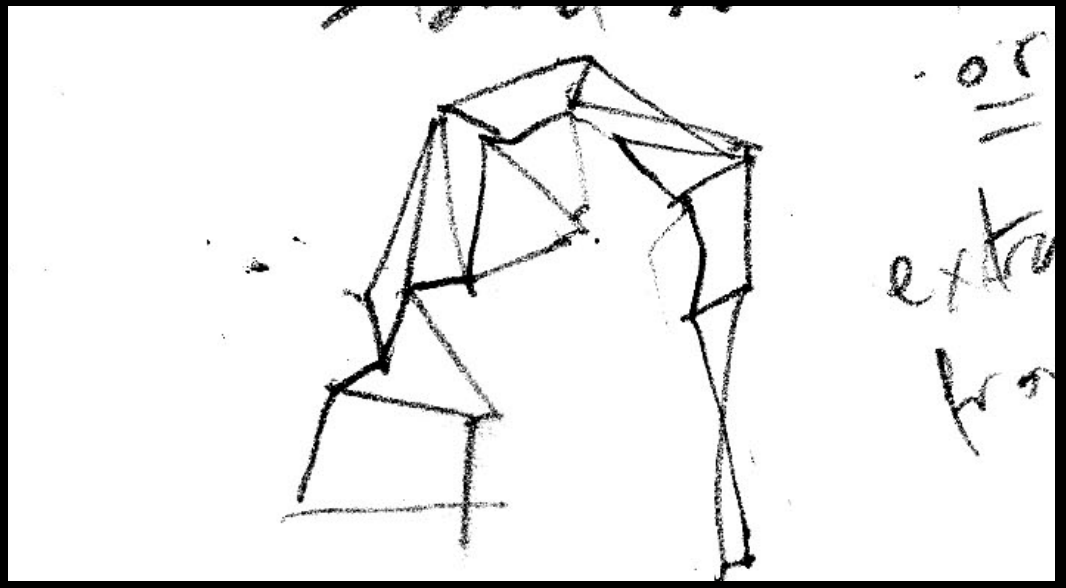
2 step design

initial design: variables define
external structure
tension points positioning
walls, shape, dimensions
cutting lignes or other intervention
wall material is cut along lines
juxtaposed

live design:
walls move as they react

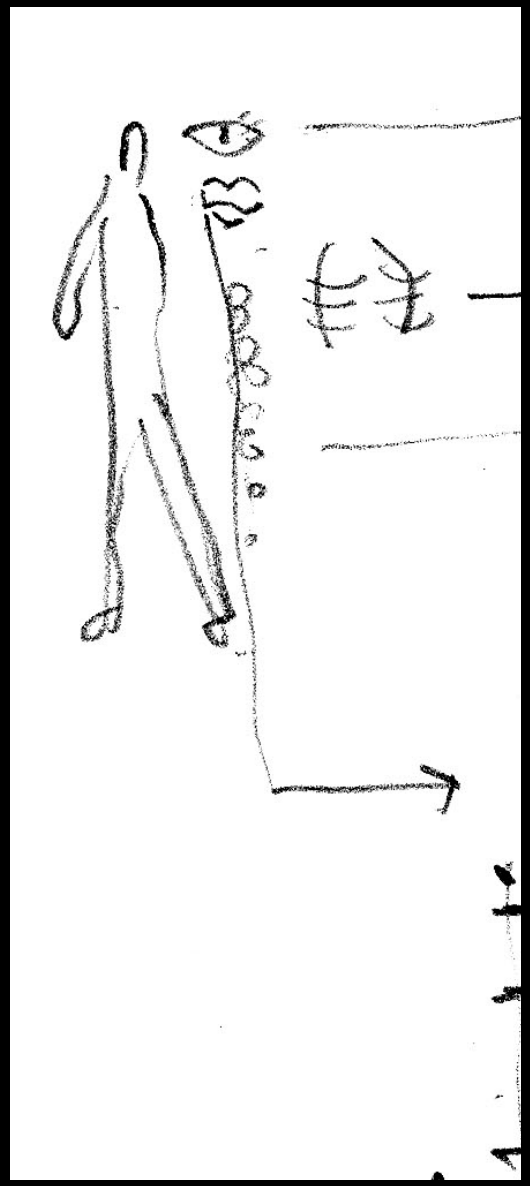
structural shell

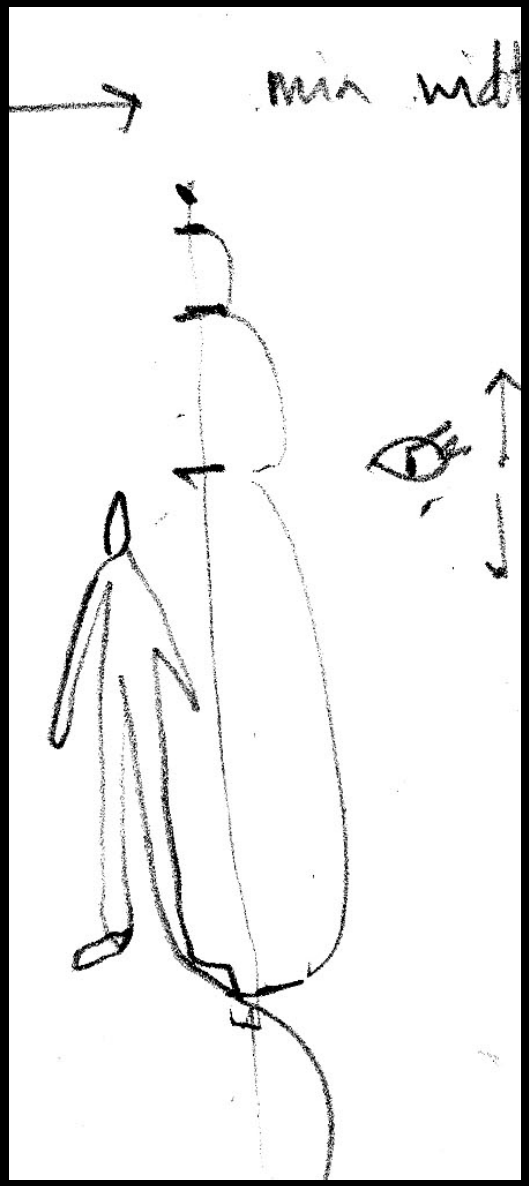


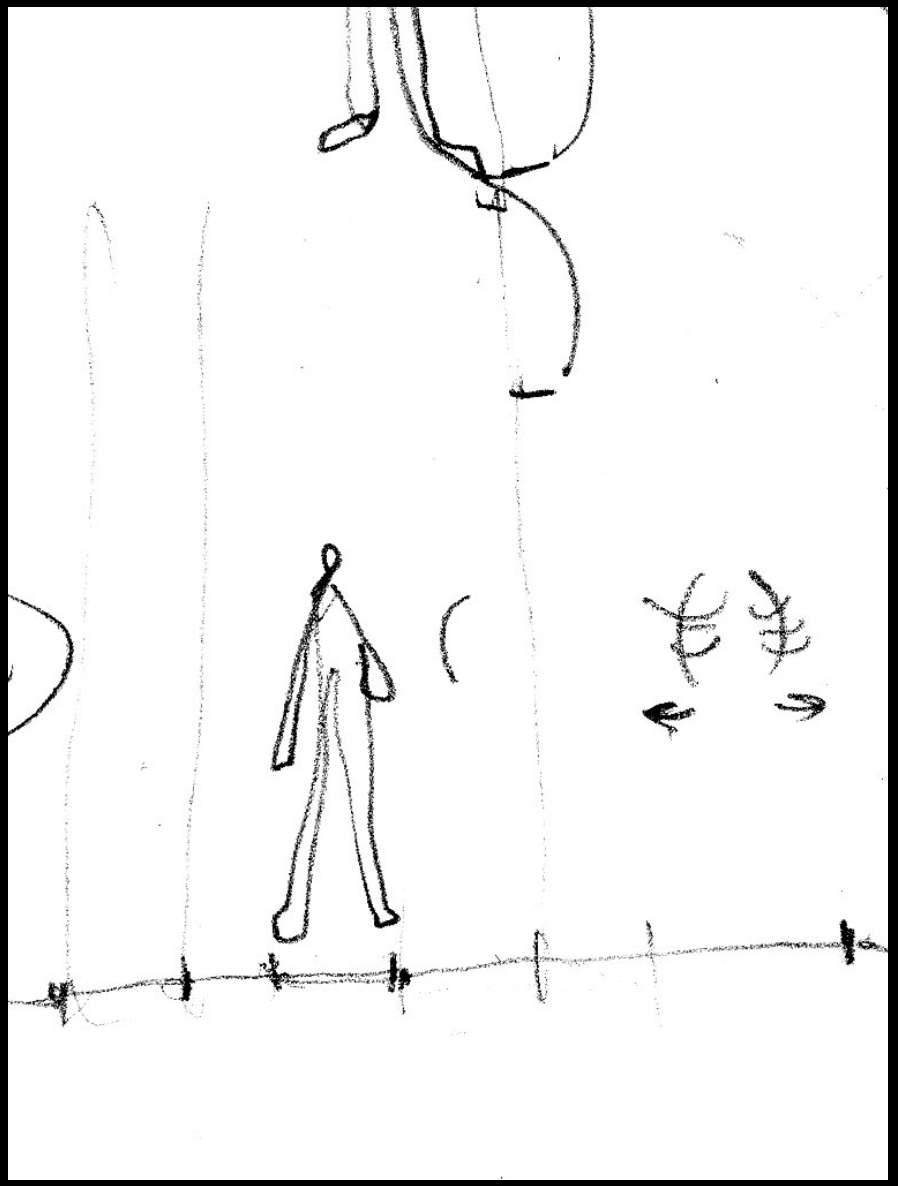


triangulation...
and then attachement techniques
scaffolding

live design

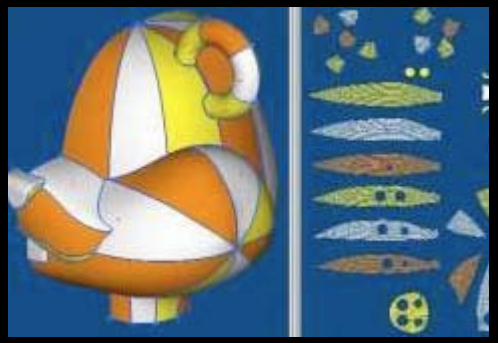


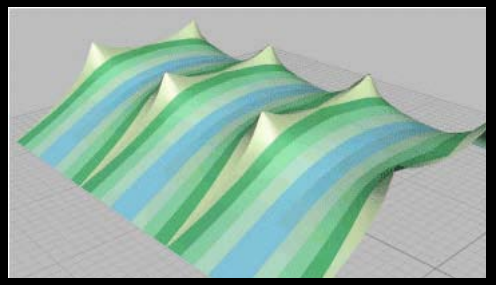


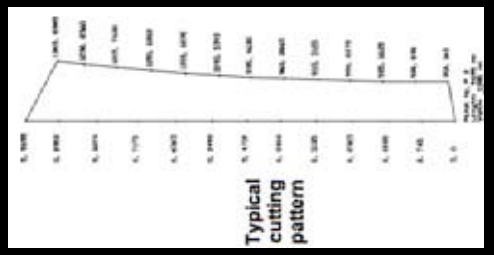


technologies

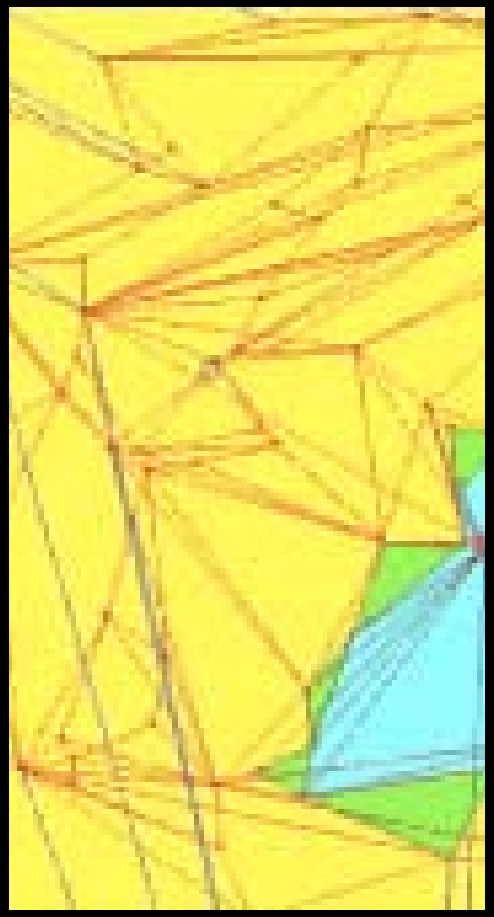
geometric interpretation to vectorized plans and surface intervention



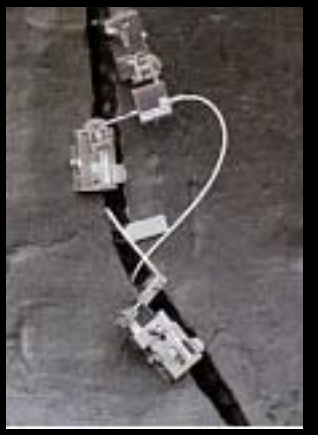




cloth laser cutting and heat welding



geometric interpretation for the structural shell



sensors and micro technology

project parts

material definition for skin

define units and system of measure

define structural material for shell

define construction system for structural shell

definition of spring system

manufacturing

sponsoring

sensor technology

tools of data

programming structural shell