

FROM POINT/LINE/PLANE TO PIXEL/VECTOR/BOUNDARY

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■ BLENDED DELIVERY

Unclear Definition

F2F supplemented by online tools for:

- assessment-(Francis&Shannon, 2012)
- learning analytics, (McKenzie et. al., 2013)
- online resources for different learning styles (Kaur, 2013)
- online preparation pre-class (McKenzie et al., 2013)
- Blackboard, MOODLE (admin&learning one stop shop)

"We expect all providers to explore alternative options for mobilities and study, whether blended or fully virtual, if appropriate and to be flexible in their approach"

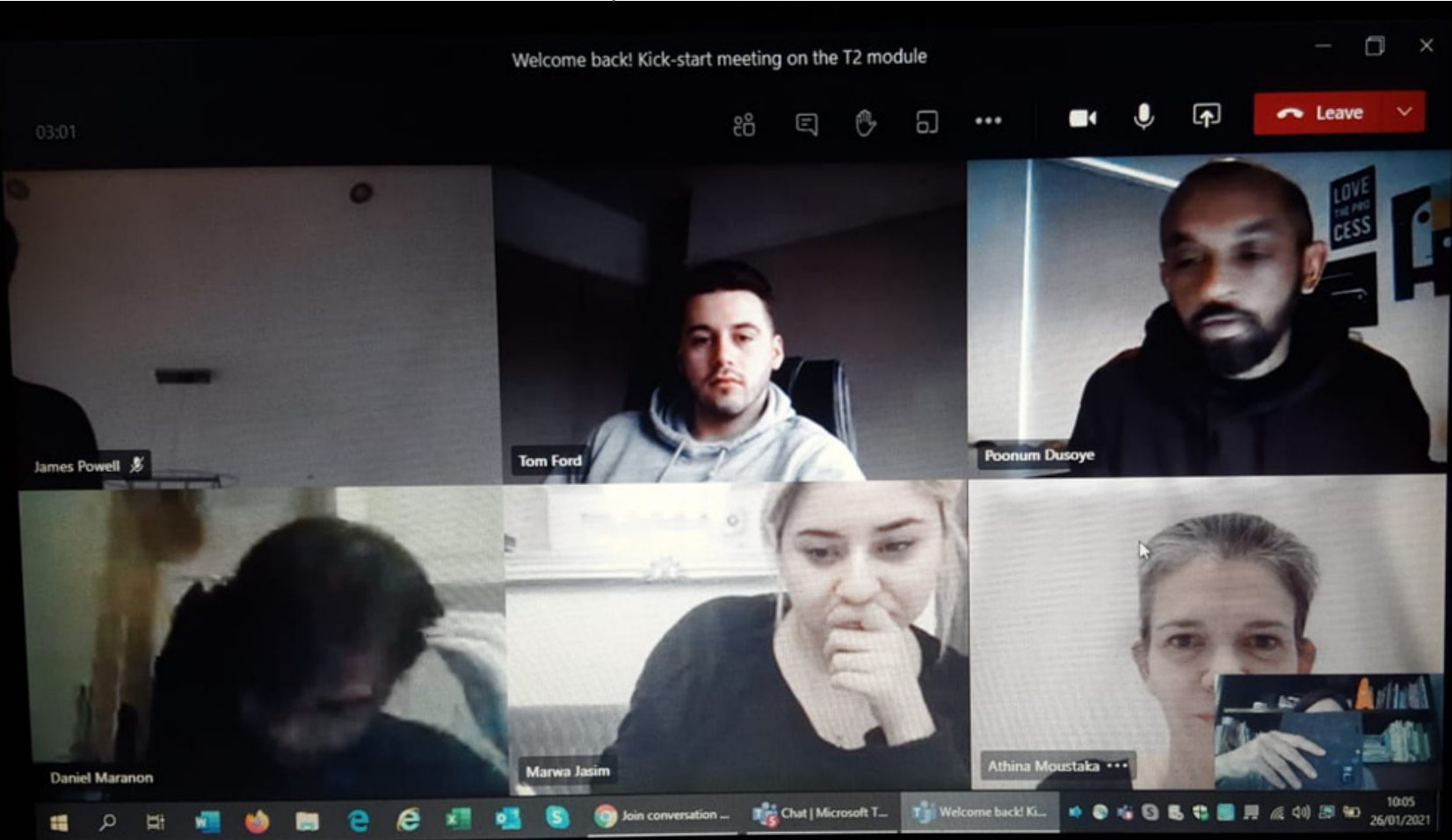
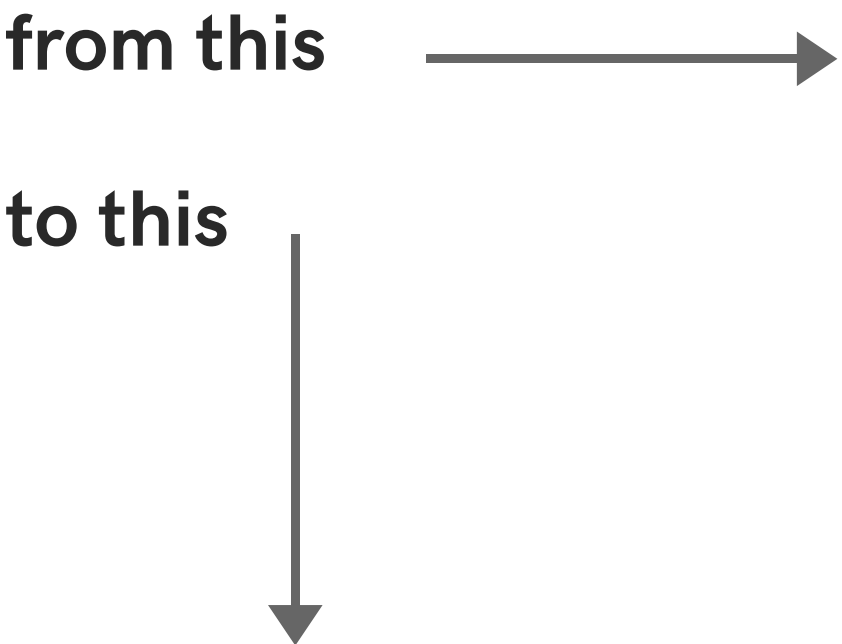
gov.uk, April 2021

■ FREE TO ADAPT

High level of flexibility

But at what balance and level of blending?

Our Y1 studio:

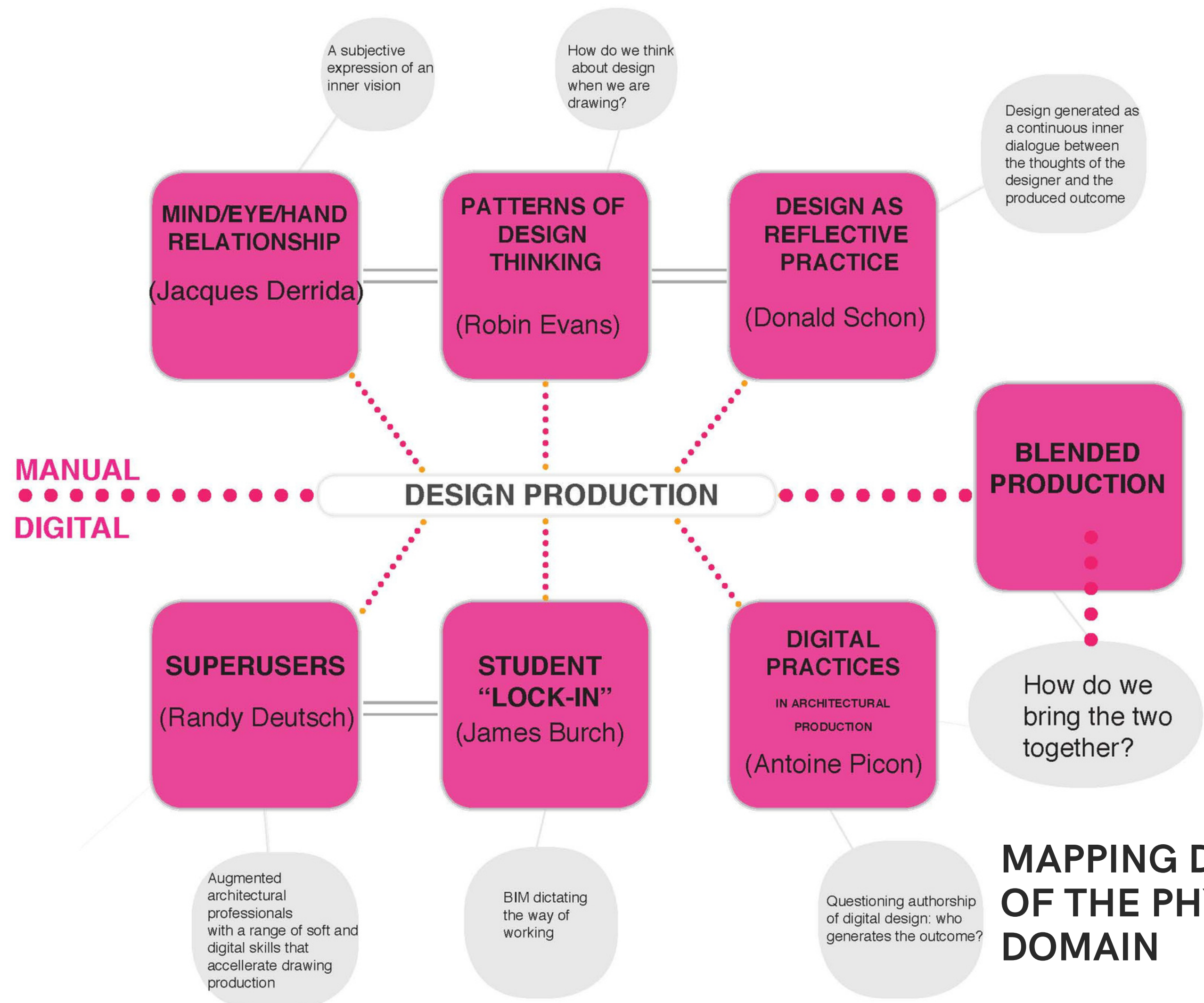


ONLINE EDUCATION: TEACHING IN A TIME OF CHANGE

■ BLENDED DELIVERY

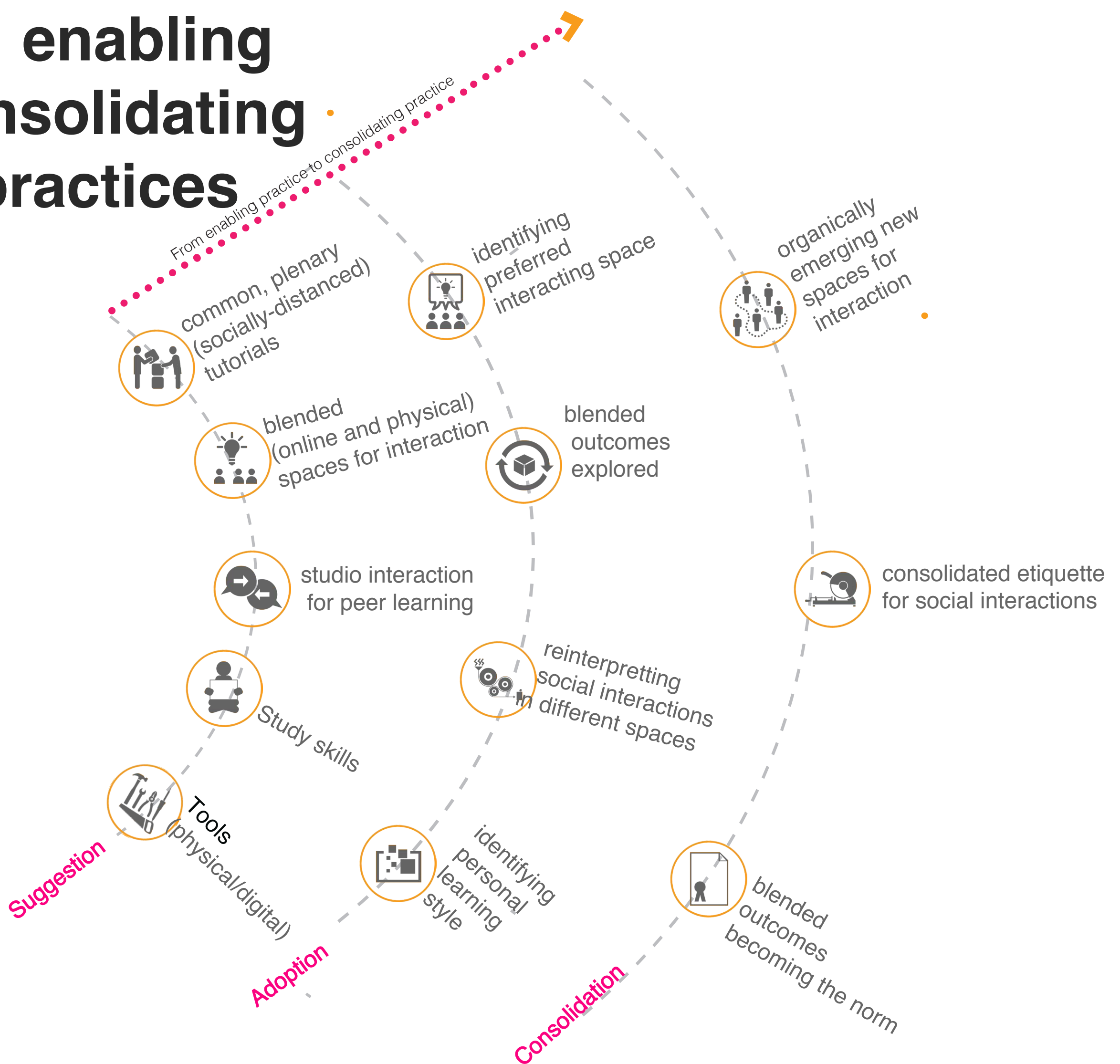
includes experiential learning: but the "*all-inclusive*"
experience in a socially distanced studio has been altered.

- "*low-achievers may not be able to cope as well as high achieving peers*" (Owston, 2013)
- general preference for face-2-face tutorials (Bliuc, 2011; Garrison and Vaughn, 2008)
- online discussions not as high quality (Bliuc, 2011)
- More advanced study generally more favourable towards online (Castle and McGuire, 2017)



MAPPING DRAWING THEORIES OF THE PHYSICAL AND DIGITAL DOMAIN

From enabling to consolidating new practices



Faculty

DEREK HALES

Leading Architecture

ATHENA MOUSTAKA

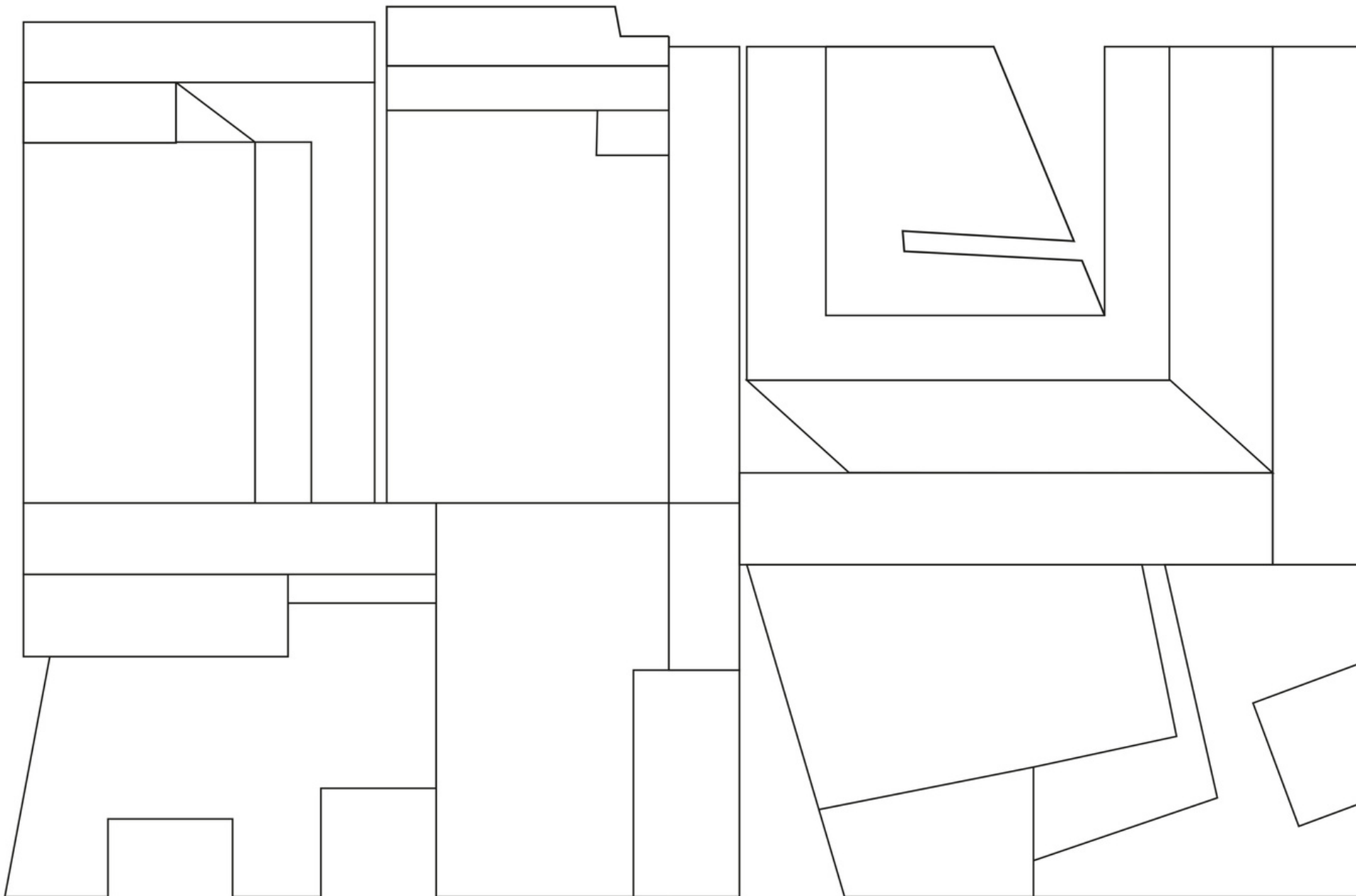
Leading Architectural
Engineering

PAUL BLINDELL

Leading Interior Architecture



THE BRIEF- KIT OF PARTS



CREATING A "BLENDED" EXERCISE

STEP 1: MANUAL PRODUCTION/ CREATE THE MODEL

Create five iterations of the kit of Parts

STEP 2: DIGITAL PRODUCTION/ DRAW THE MODEL

Orthographic Drawings using AutoCAD

RECIPROCICALITY

The two different ways of delivery don't just blend, but communicate between them (Inspired from manual drawing theories)

POWER RELATIONSHIPS WITH TUTORS

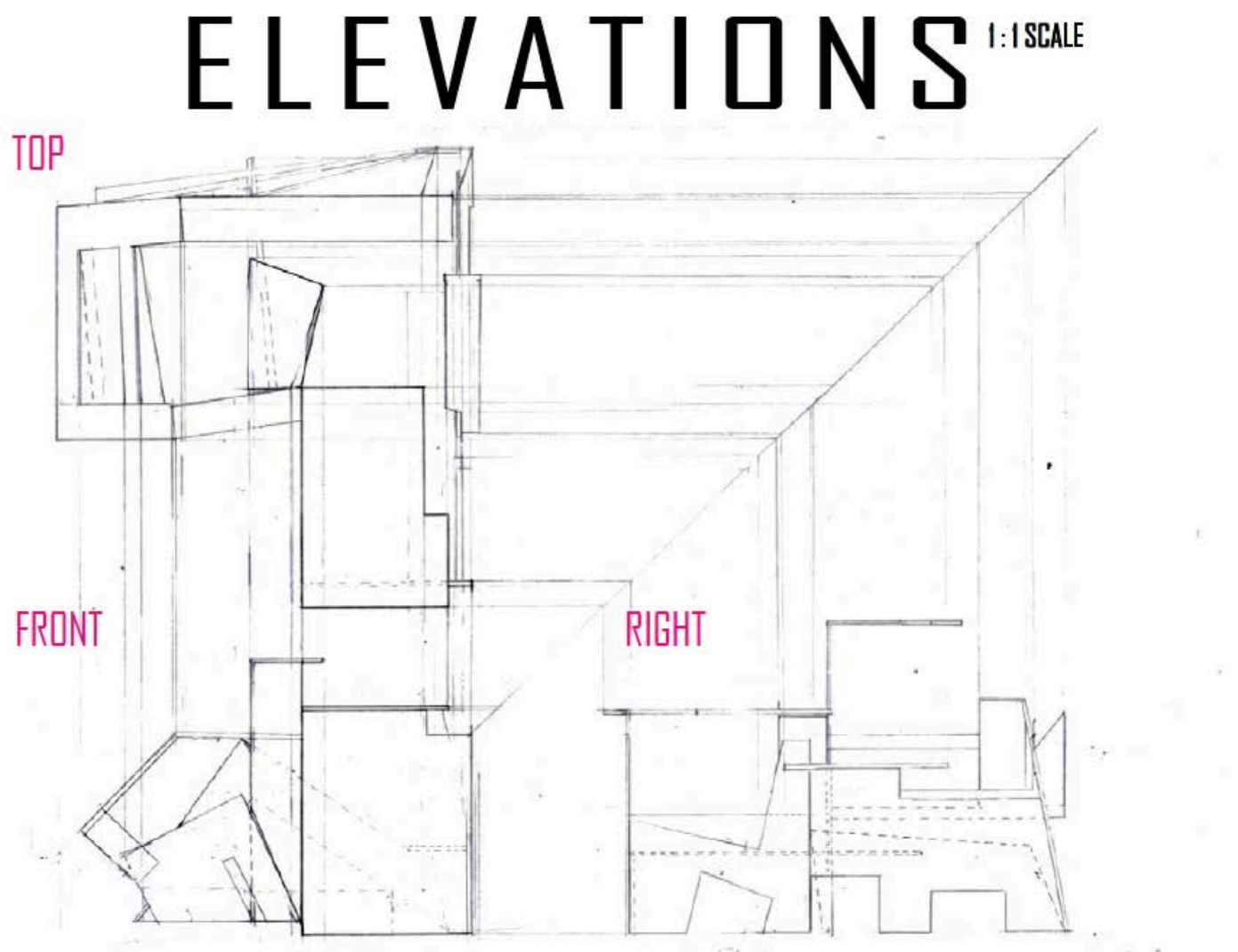
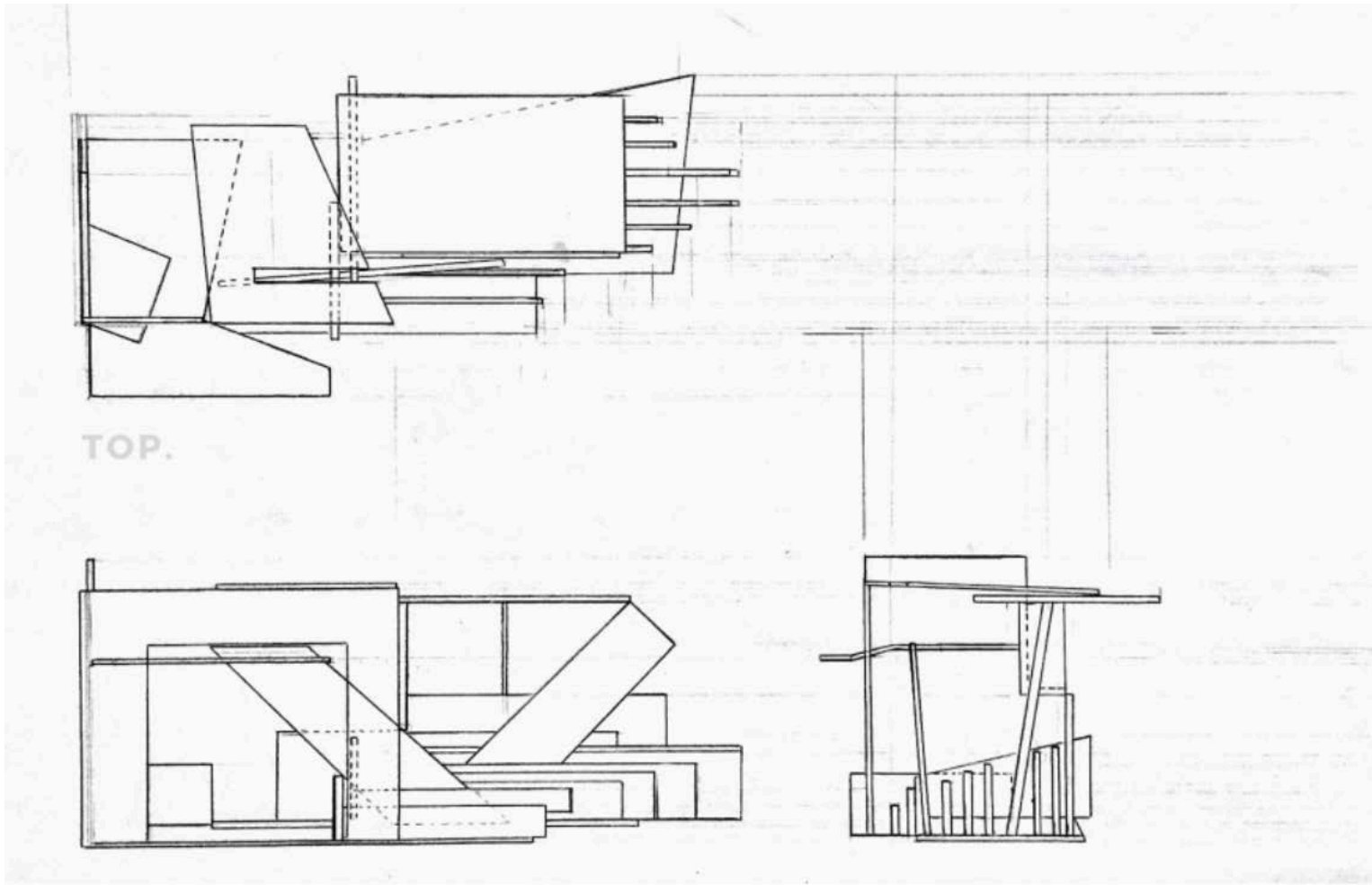
Online less equitable: tutor formally coordinating a discussion creates an amended power -relationship, in order to maintain some order in the studio . Everything needs careful planning.
(contrary to Ioannou, 2018)

BLENDED LEARNING IS MORE RELEVANT TO PRACTICE

Day to day aspects of practice similar to blended delivery
Reconceptualising and redefining closer to practice (Similar to Masdeu and Fuses, 2017)

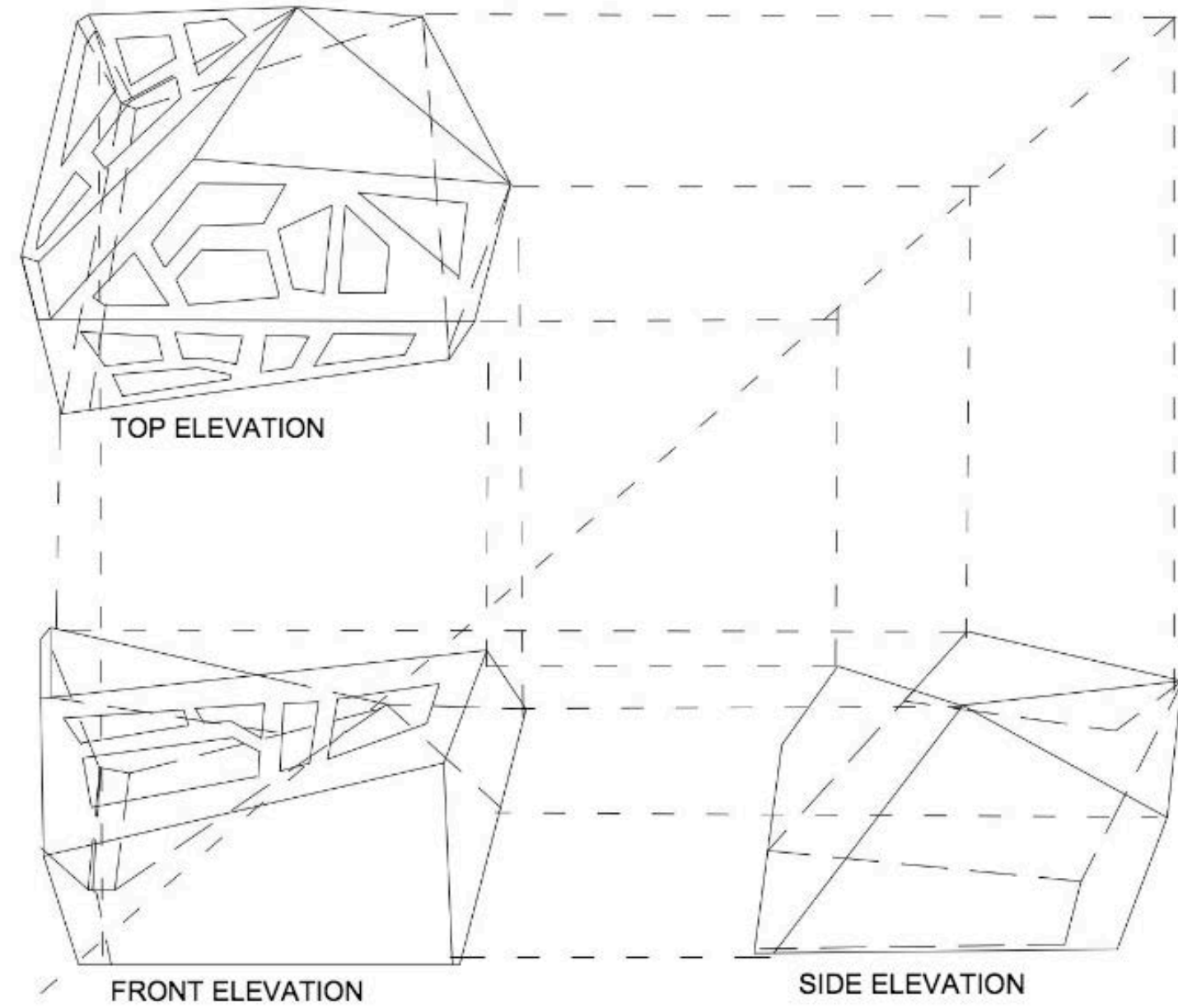
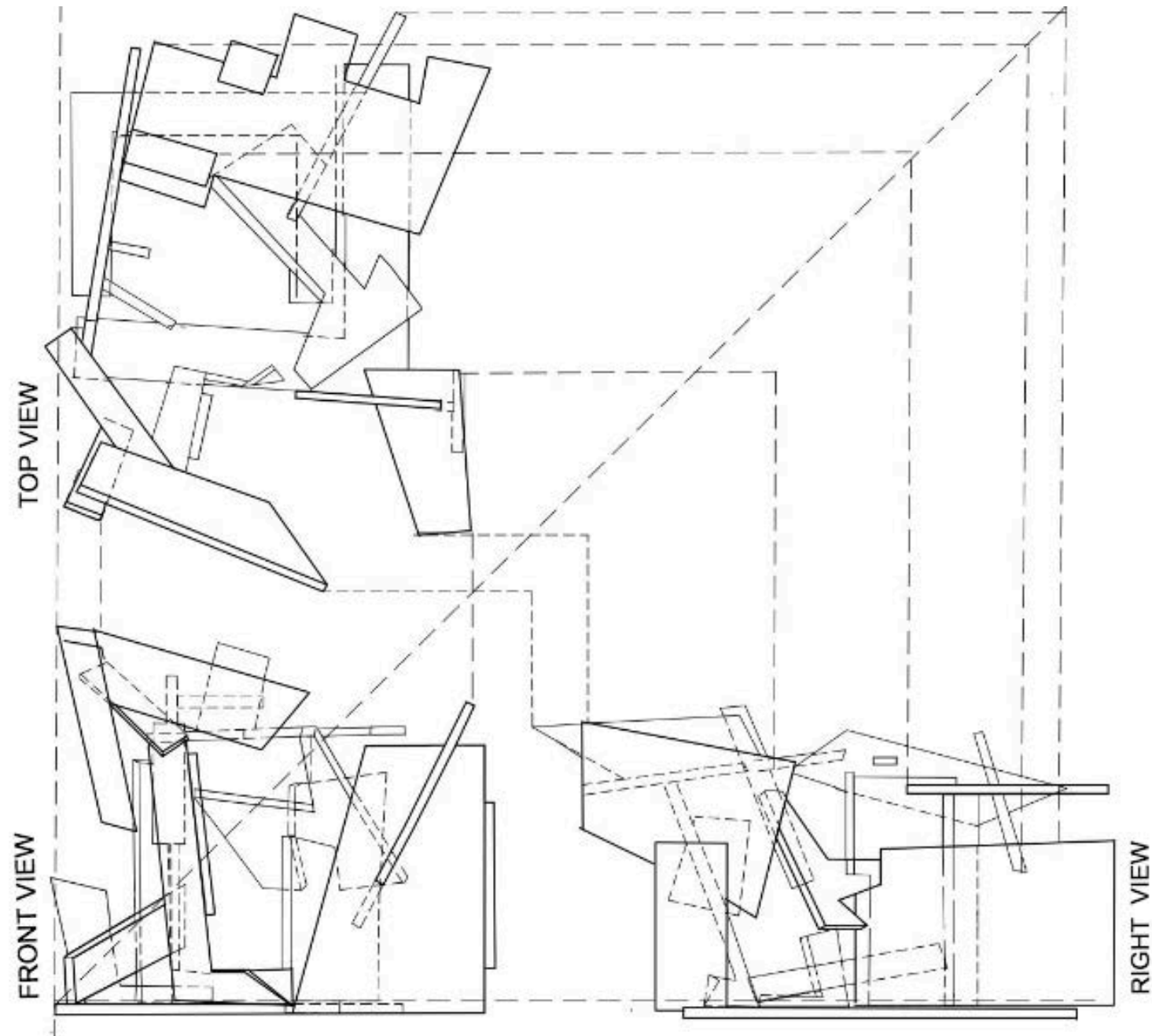
**our response to
theoretical positions**

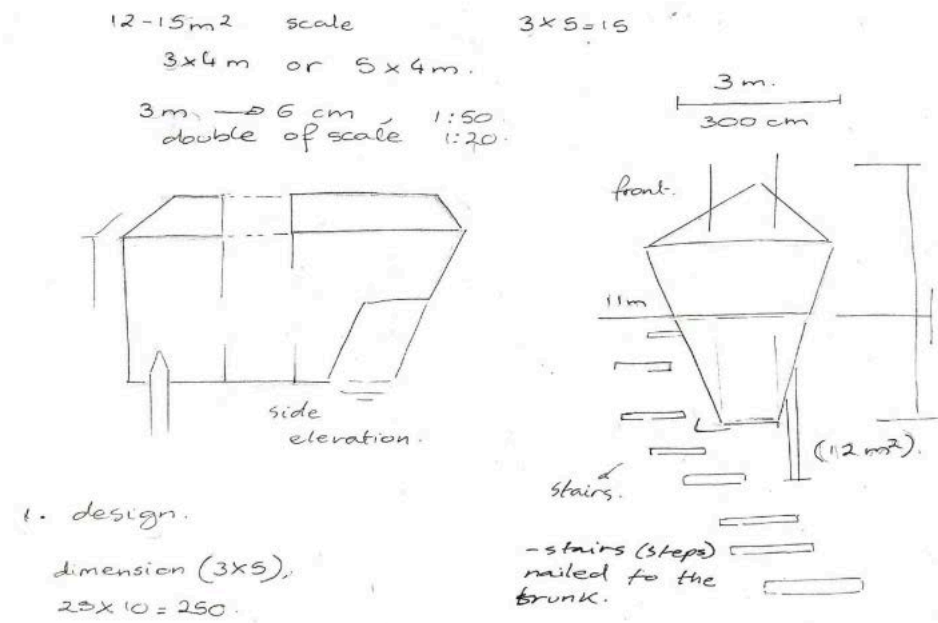
Construction Techniques Manual



Construction Techniques

Digital



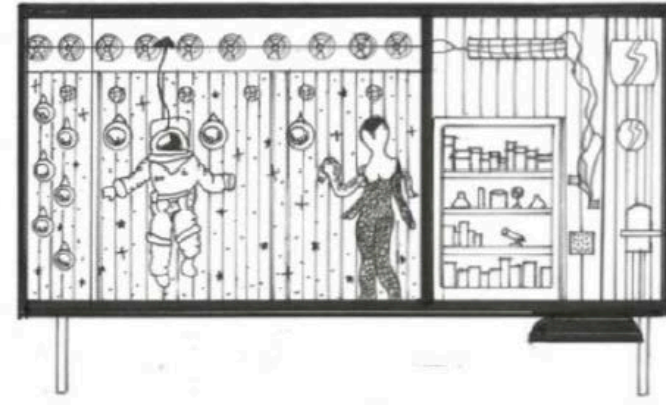
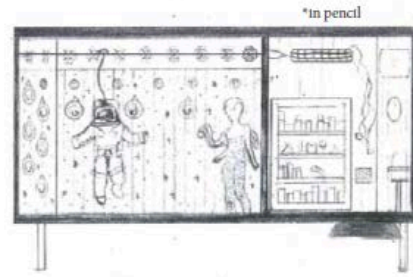


Digital

Scale (Model/Human)



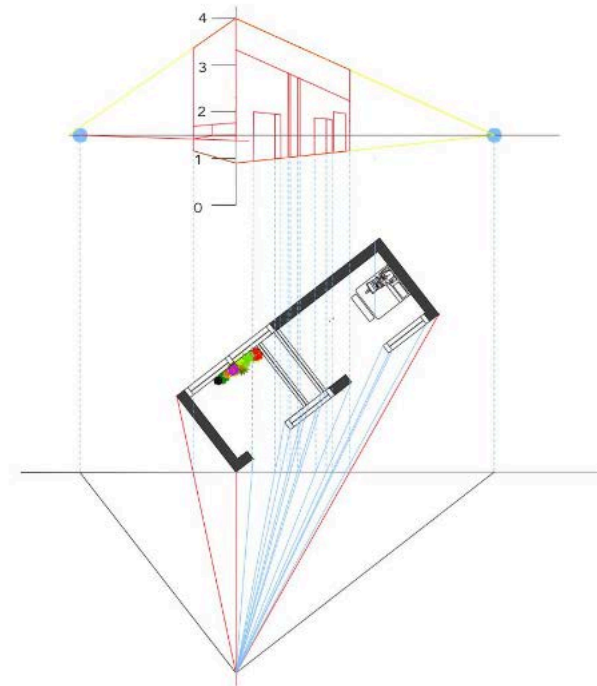
Manual



Manual

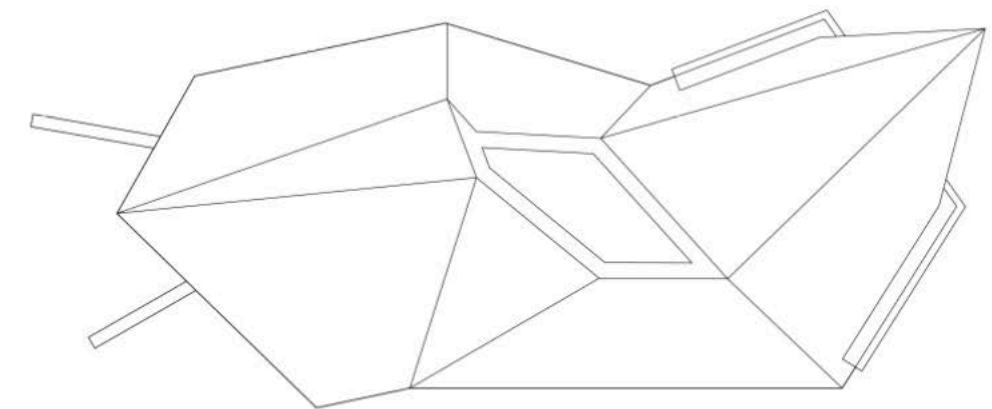
Digital

Construction Techniques

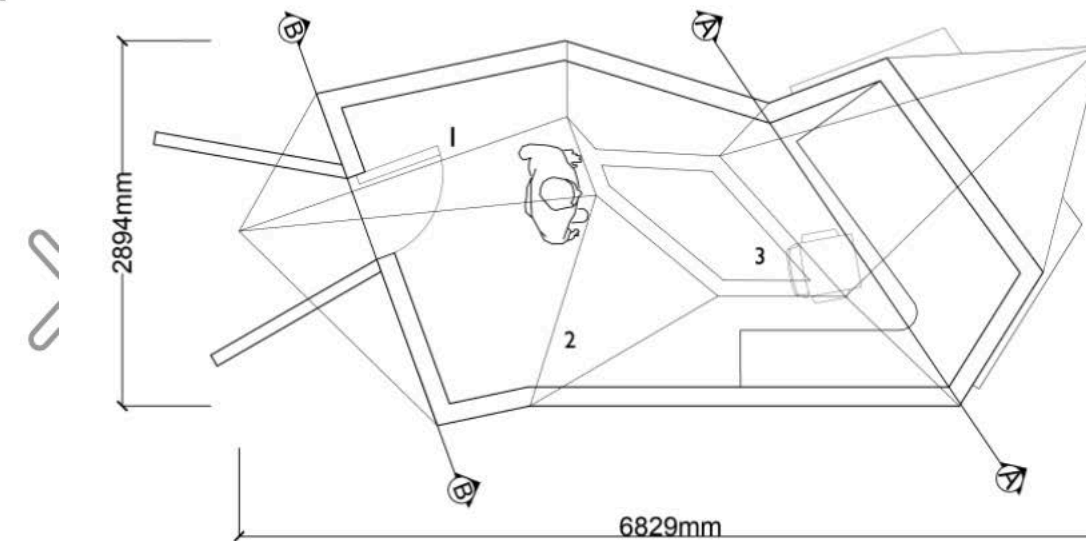


floor plan to 20

Top view



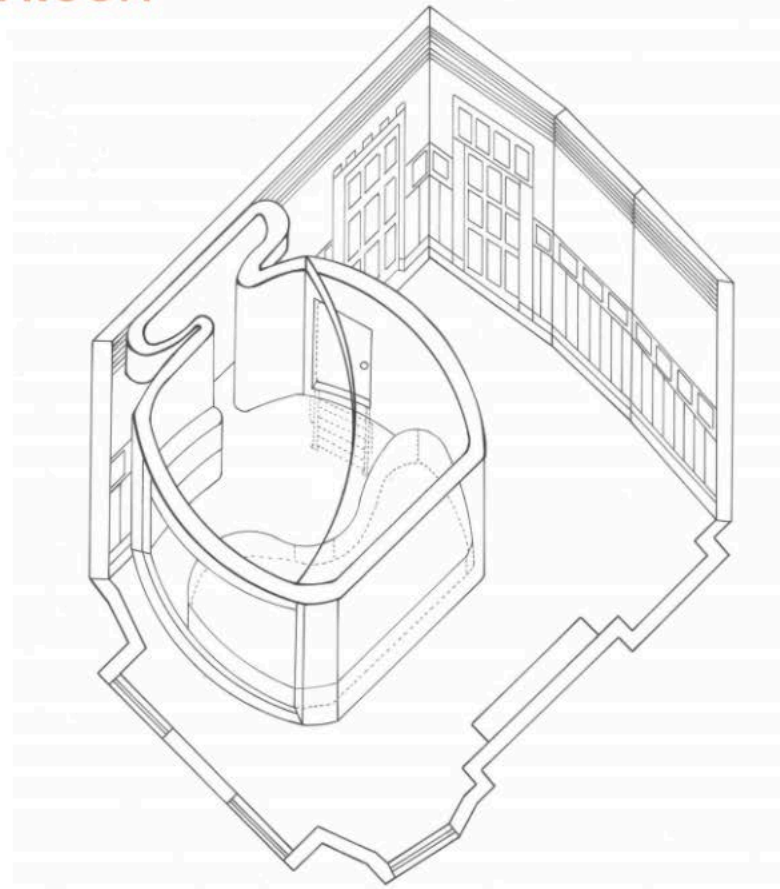
Plan



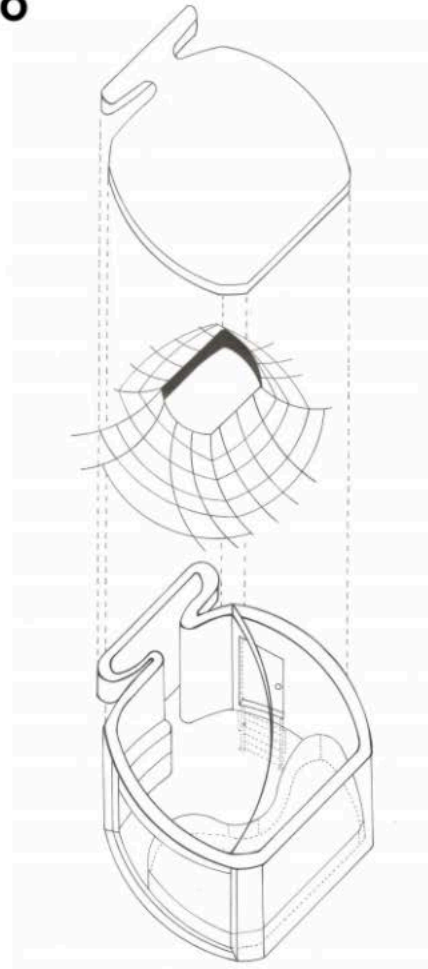
1 - Entrance
2 - Materials storage
3 - Work area/desk

Manual

ROOM
WITHIN
A ROOM

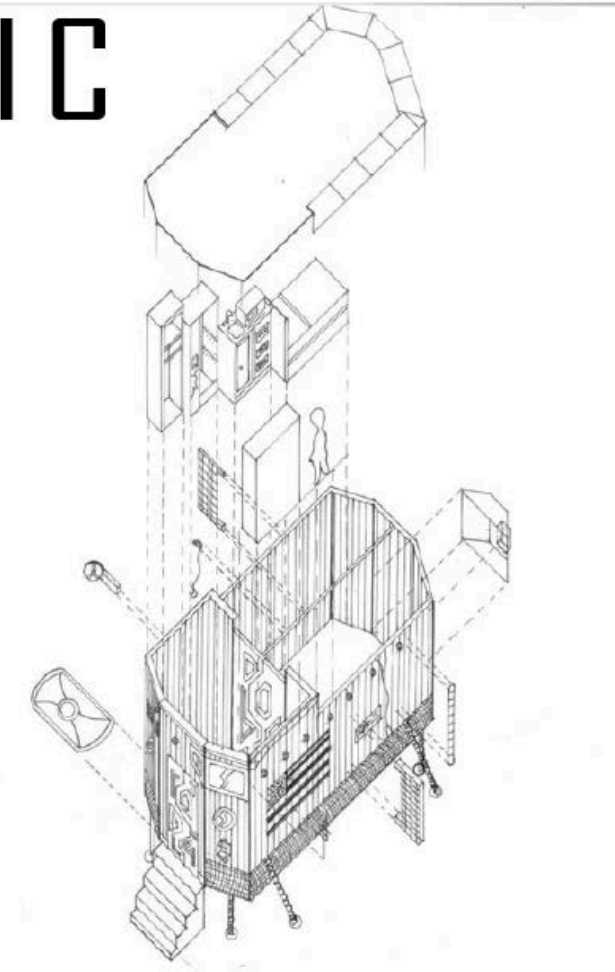
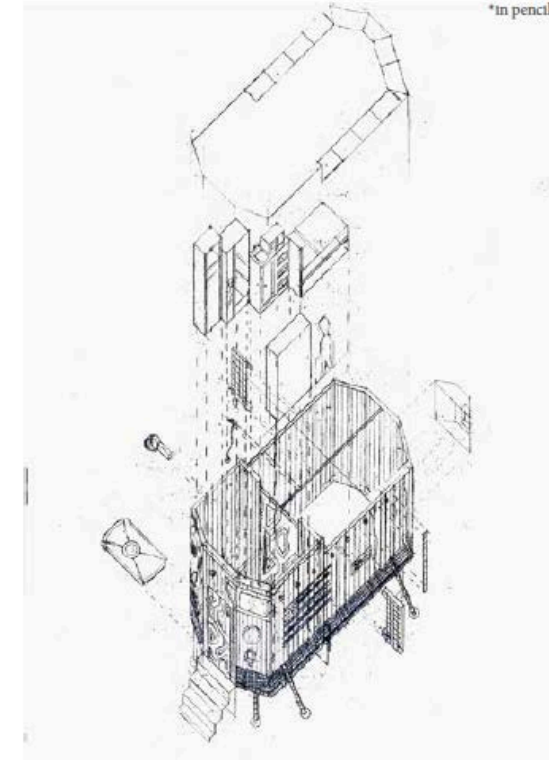


AXO IN A ROOM
& EXPLODED AXO



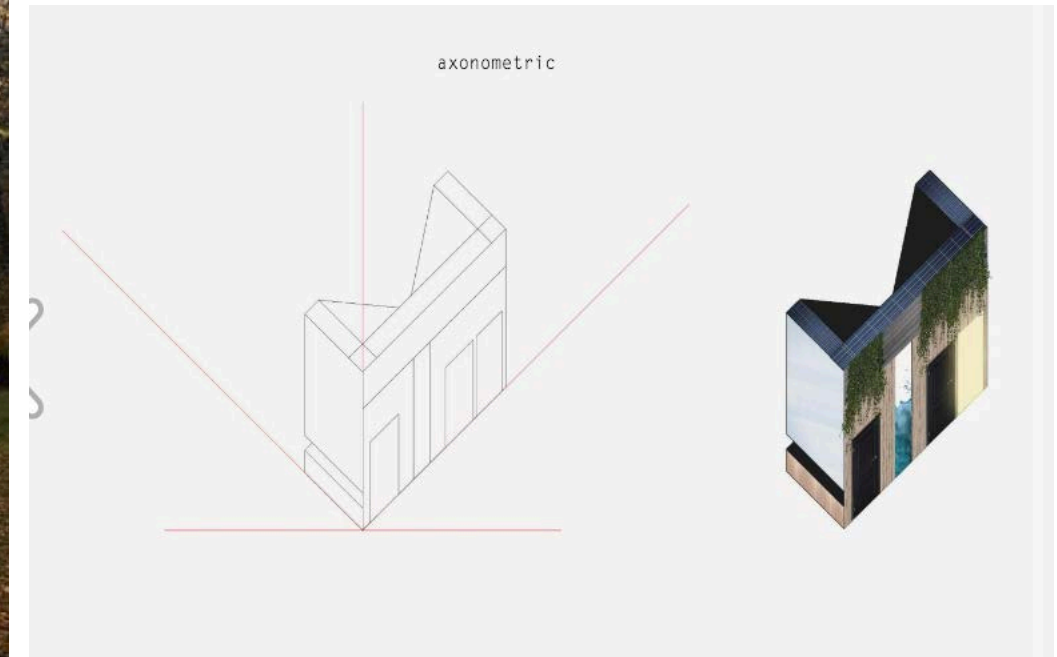
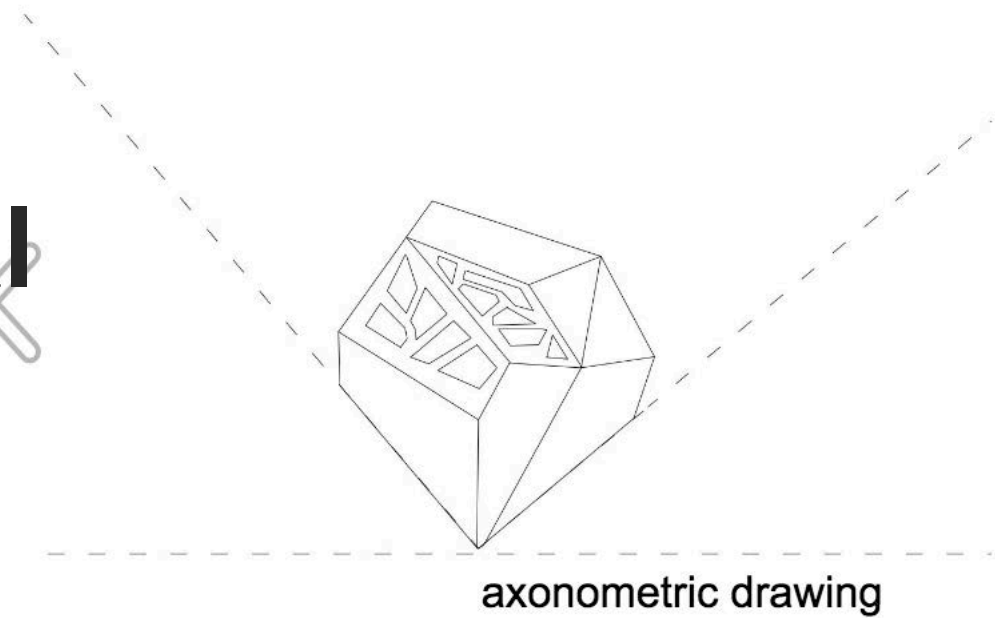
INHABITANTS ROOM

AXONOMETRIC

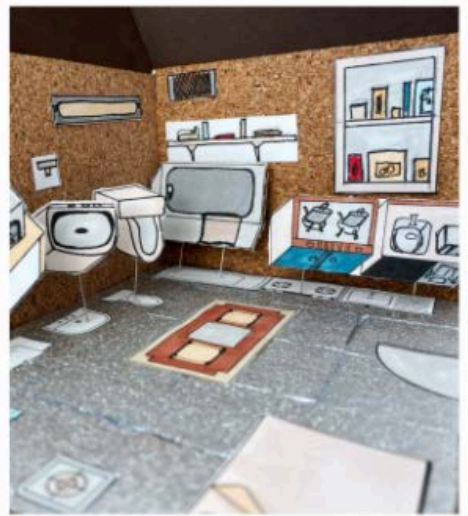


Construction Techniques

Digital



Manual



DETAILS

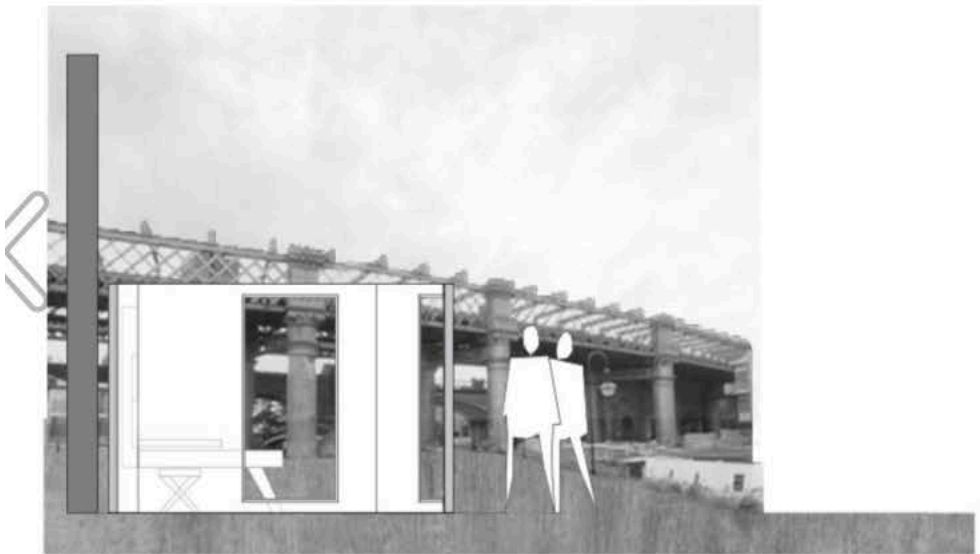


FRONT VIEW

Digital



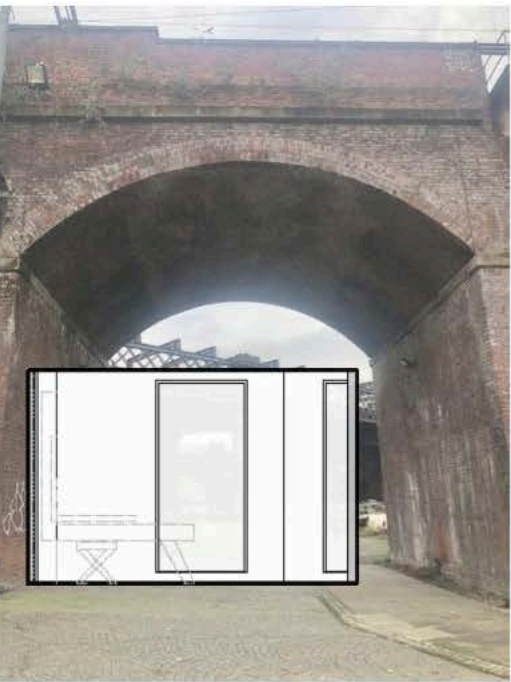
MICRO STUDIO / ELEVATIONS



PHOTOSHOP OF SECTION AA VIEW

(LEFT) SECTION ELEVATION OF THE STRIUCTURE SHOWN STYLISED BELOW, THOROUGH USE OF PHOTO-SHOP.
THIS SECTION VIEW IS SHOWN WITHOUT THE BRIDGE THE DESIGN SITS WITHIN, ALTHPUGH THE SIDE WALL IS SHOWN FOR REPRESENTATION PURPOSES. THIS IS TO SHOW THE SURROUNDING AREA, THE RAIL BRIDGE IS SHOWN IN THE BACKGROUND...

DRAWING RIGHT, IS AN ADDITIONAL PHOTOSHOP OF THE SECTION AA. THIS PHOTOSHOP DRAWING SHOWS THE SECTION OF THE DESIGN IN THE INTENDED SITE LOCATION, WITHIN THE BRIDGE.





TECHNIQUE

How to transfer from plan to elevation

DEVELOPMENT OF PERSONAL STYLE/CRAFT

ONE-TO-ONE "ADJUSTMENTS"

TWO-DIMENSIONAL REPRESENTATIONS JUXAPOSED

**Questioning
the practice of
drawing by
hand/
what are we
missing out?**

CONSOLIDATING DIGITAL AS AN AGENCY IN DESIGN

Appreciate what the change in delivery method means for the ways of learning in architecture

RETHINKING ARCHITECTURAL FORM PRODUCTION THROUGH THE NATURE/CULTURE DIVIDE

Rethinking about what is constructed in the studio
and what is emerging from materials

**Discussion/
Suggestions**

Questions?

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