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Pangaia

PANGAIA is a materials science company bringing problem-solving innovations to the world through premium lifestyle products and experiences. A global collective of one heart and many hands - scientists, technologies, designers.

Bio - Lab
PANGAIA LABS

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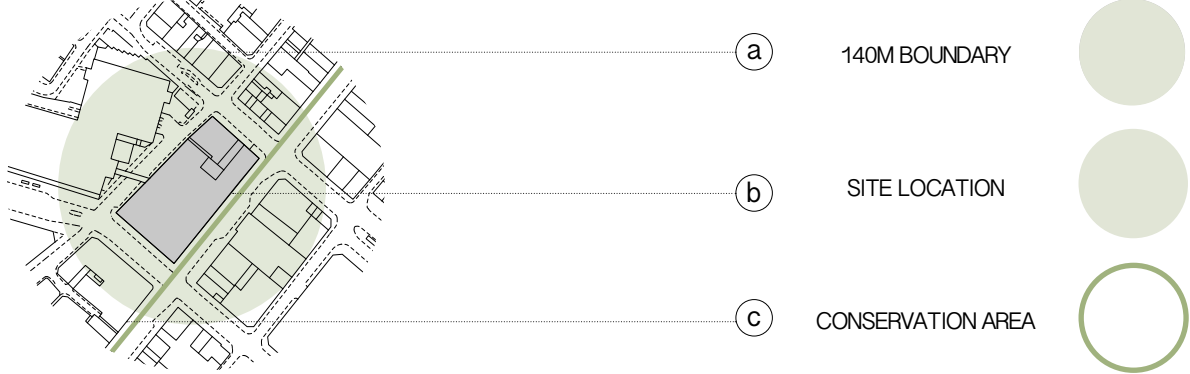


PANGAIA BIO-LAB

NO.01

PROJECT BRIEF

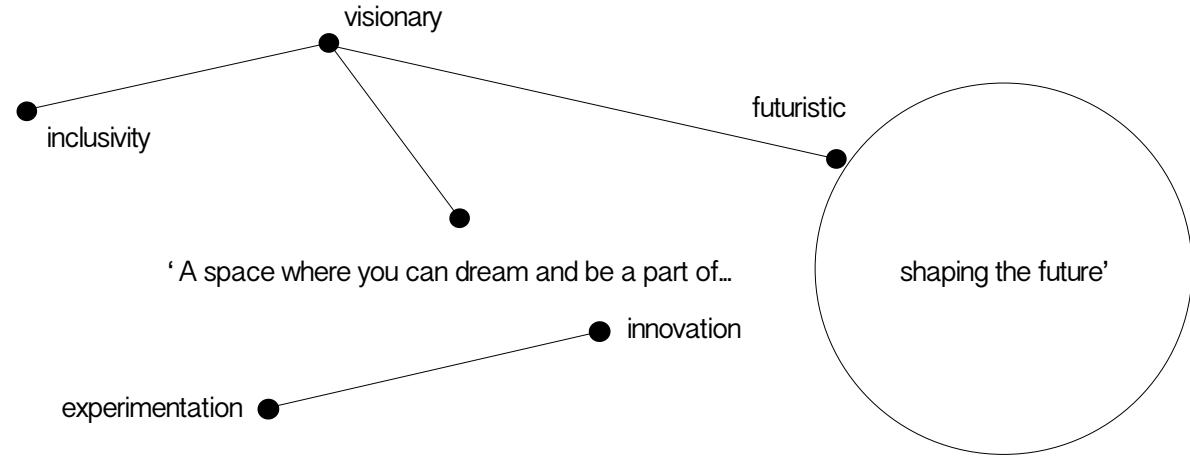
Propose an experiential pop-up concept store that showcases the specified brand that draws inspiration from existing brand assets and new, innovative sources. The proposal must align with the concept of 'rethinking retail' - considering sustainability, circular design and regenerative principles for both the site and pop-up fixtures. Site location is 59-61 Oldham Street, Manchester Northern Quarter.



NO.02

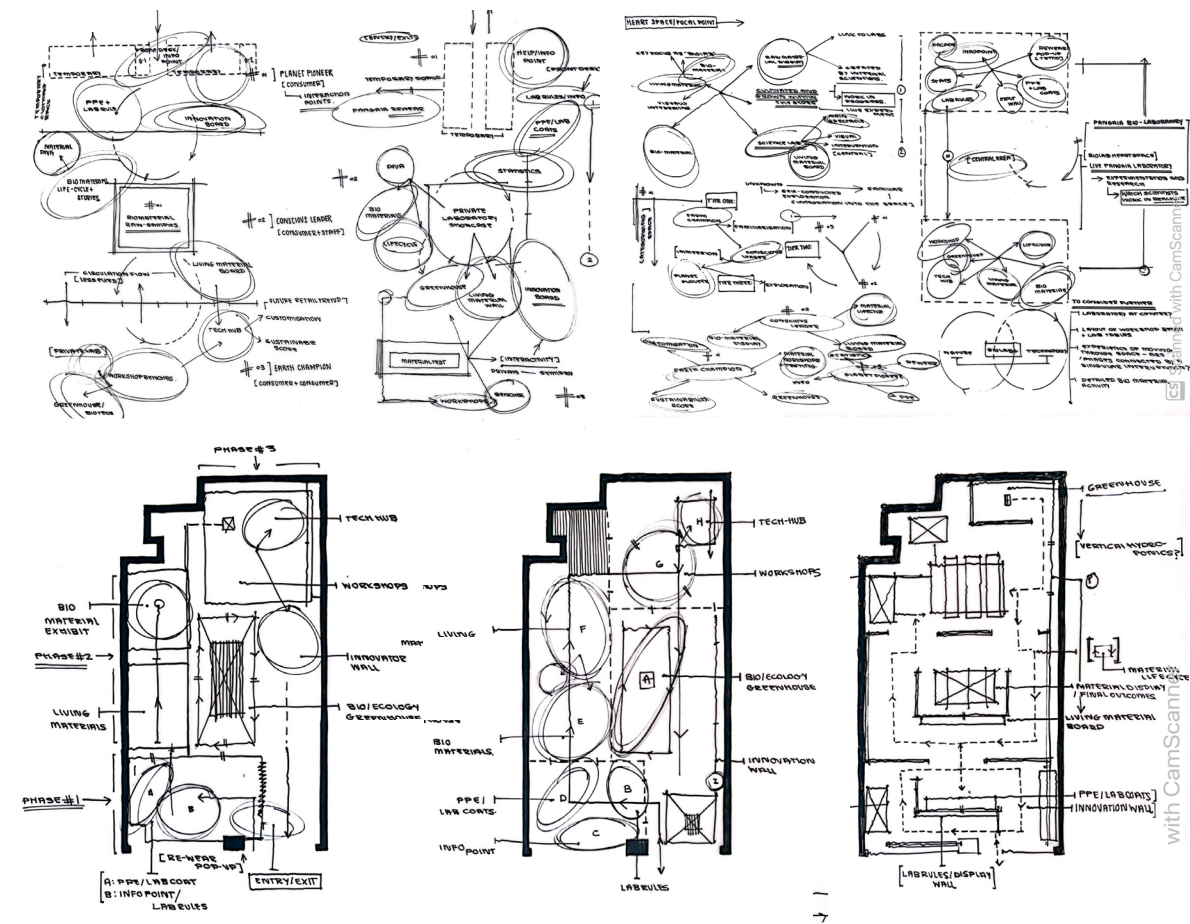
PERSONAL RESPONSE

The 'Pangaia Bio- Lab' intends to promote the brand Pangaia's innovative biomaterials and bring awareness to the environmental crisis within the textile industry, through an immersive interactive eco-laboratory experience. The pop-up is curated as a bio-ecology lab that transports the public to immerse themselves in Pangaia's world of material science and innovation and play scientist - engaging first hand with new groundbreaking technology and science. Pangaia rethinks the conventional retail experience by curating a space that nurtures a personalised user journey where people are more than just consumers and can express their creativity as dreamers, designers and innovators.



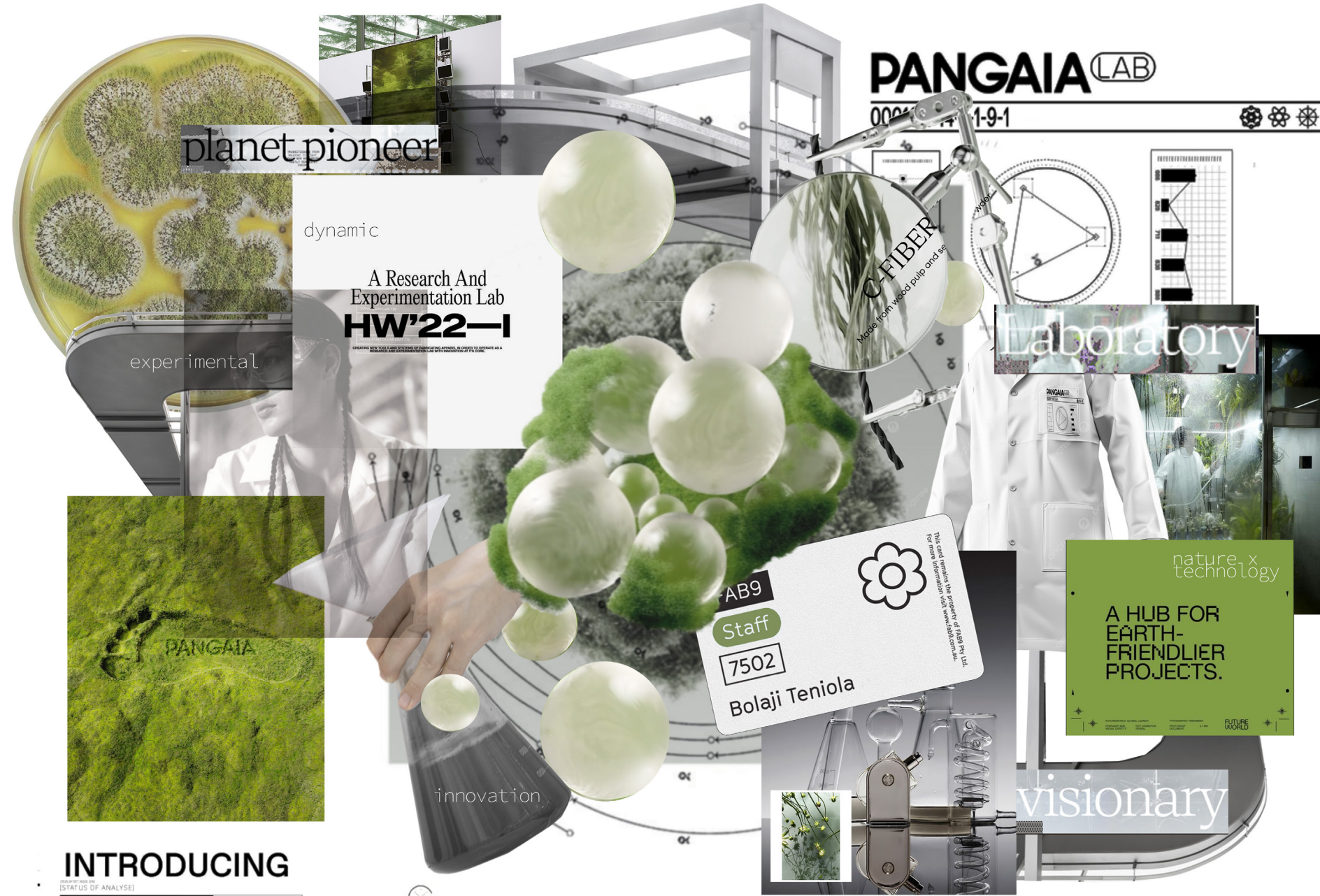
NO.03

SPATIAL PLANNING



EST'25

A SPACE WHERE YOU CAN DREAM AND BE A PART OF...

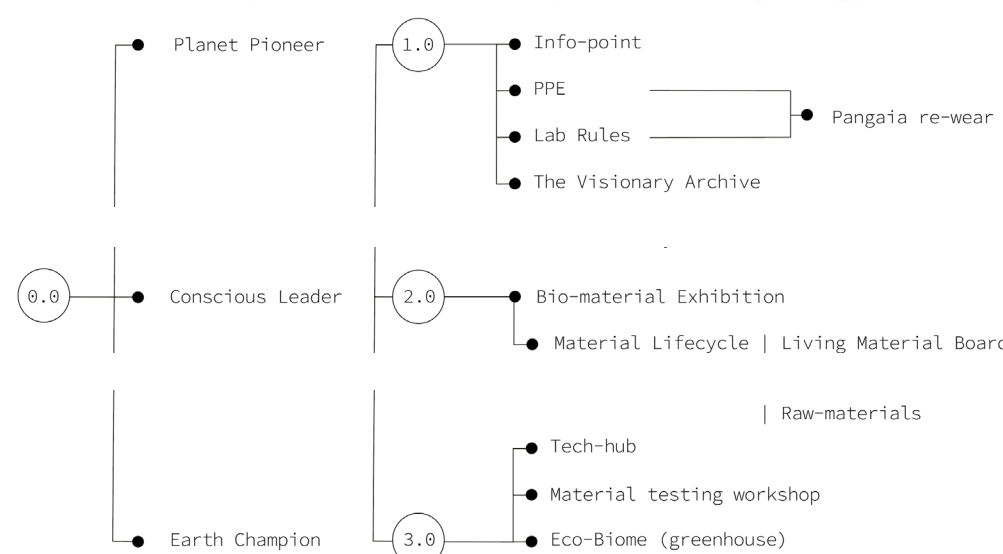


INTRODUCING

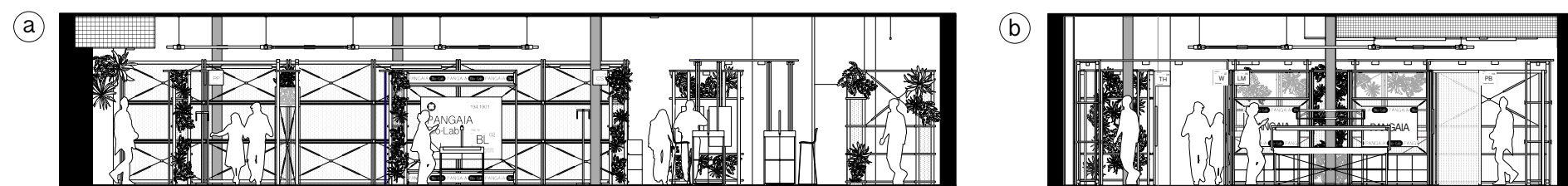
SHAPING THE FUTURE

The visual concept presented above is informed by active spaces of scientific practice and research, the design language translated from existing aesthetics and structures of laboratory spaces. This concept builds upon the material science brand Pangaia's pre-existing branding and philosophy to create a platform for consumers to transition from the ordinary to extra-ordinary. By exploring the spatial features and solutions of active science laboratories, I observed defined and organised structures and systems that aid in successful research and experimentation. Additionally, for the purpose of efficiency and safety these laboratories shared a likeness in minimalistic and sterile aesthetics - I found these characteristics to be dynamic and elegant whilst acting as high-functioning spaces.

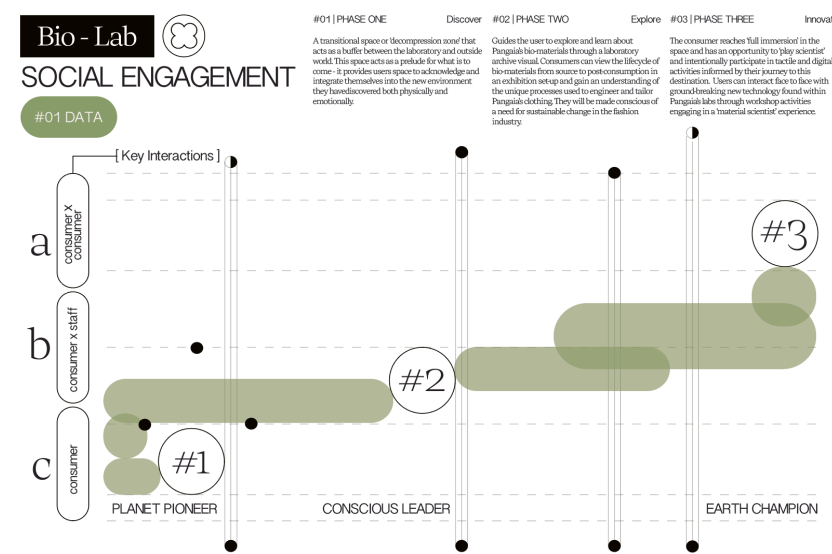
NO.04



NO.05

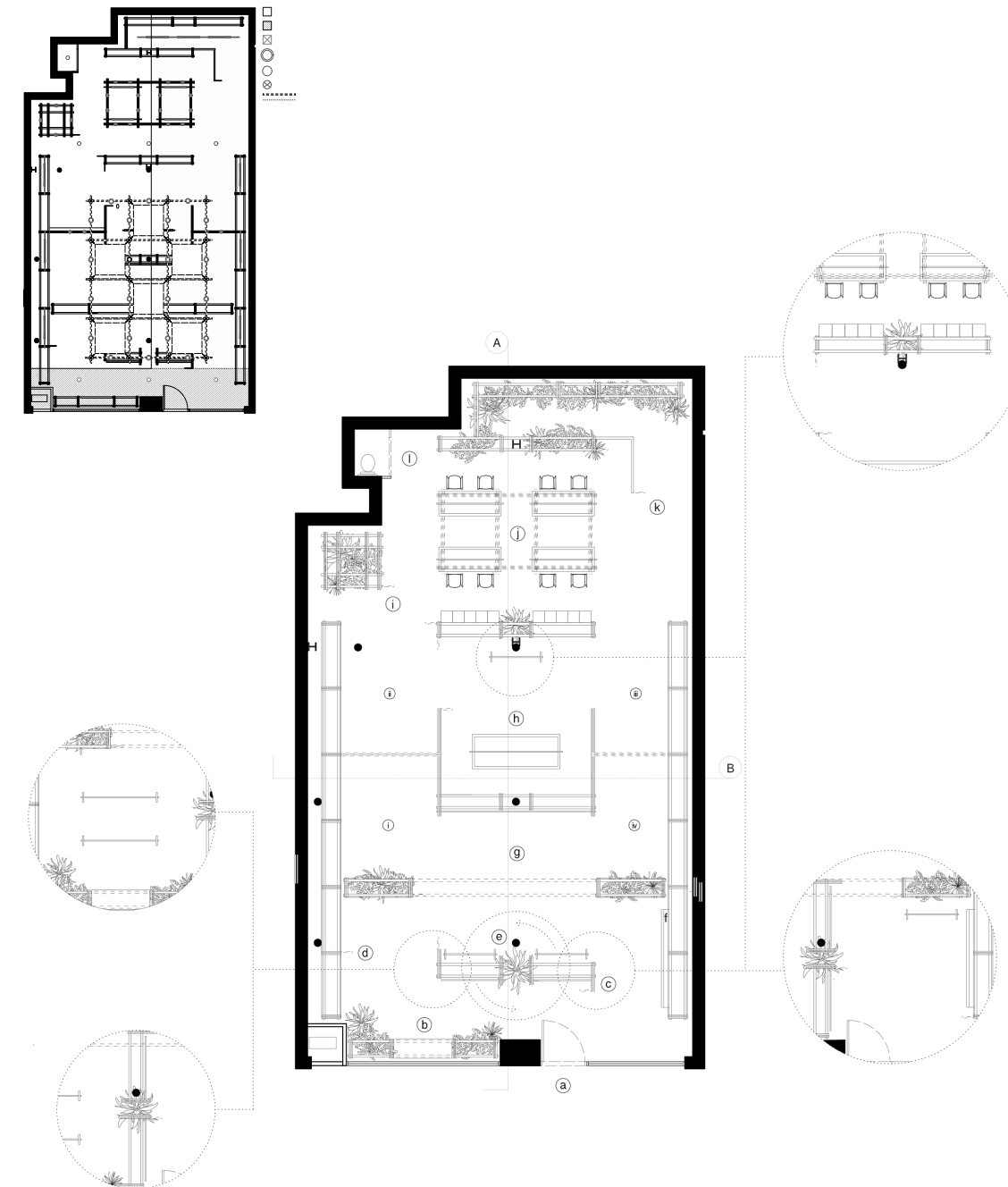


SCHEDULE OF ACCOMMODATION/EXPERIENCE



SECTIONS

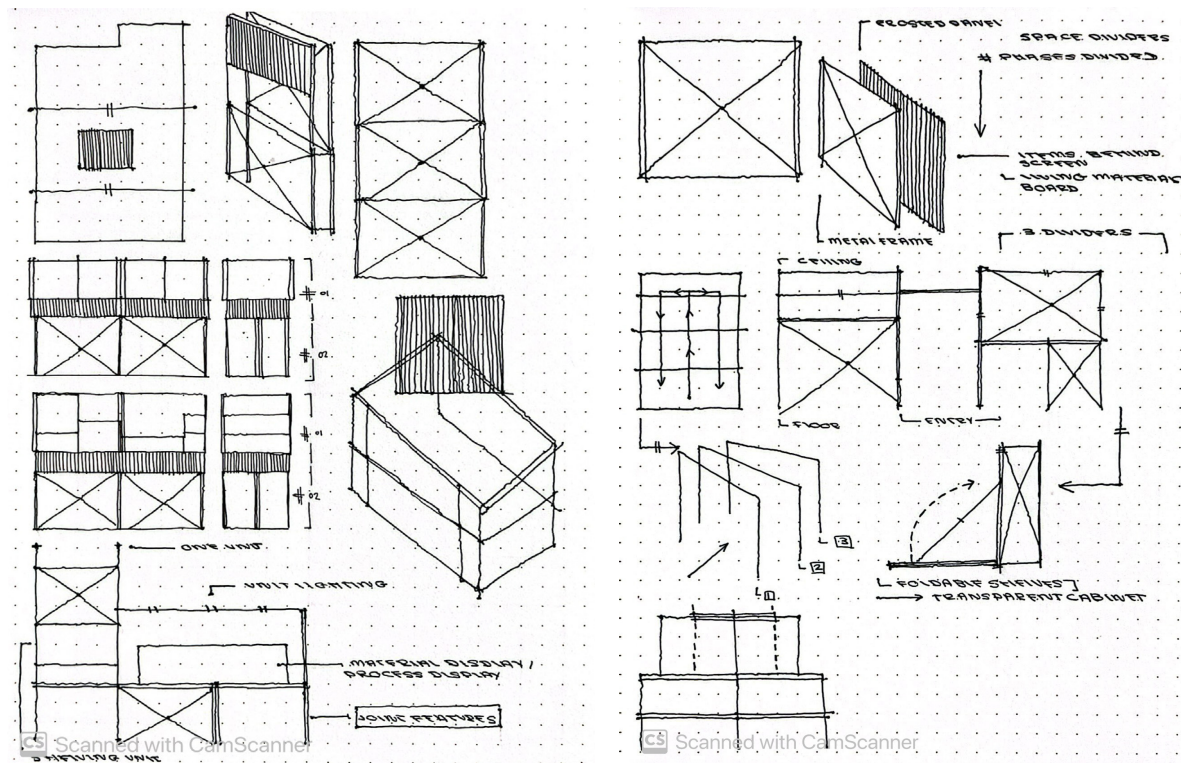
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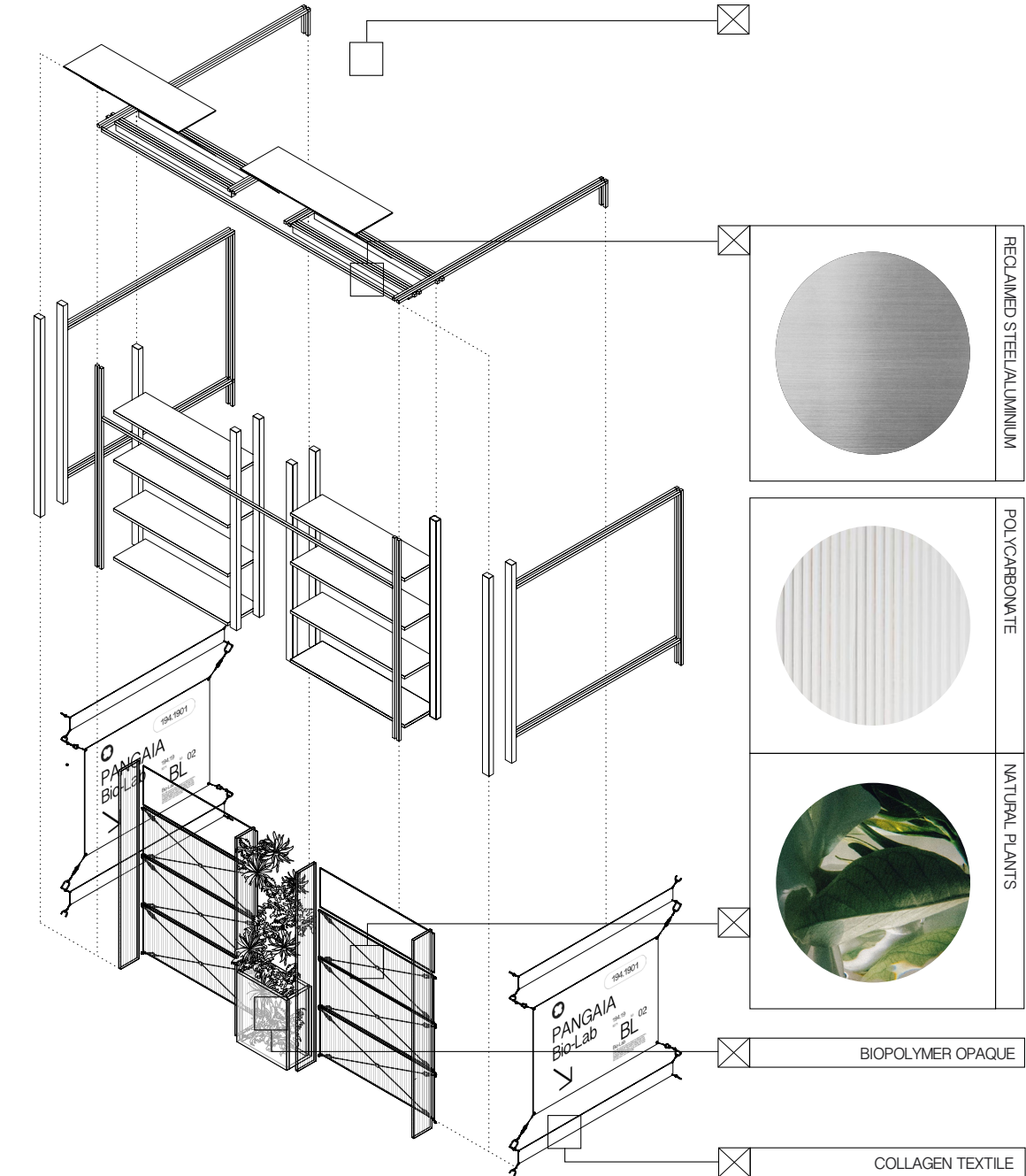
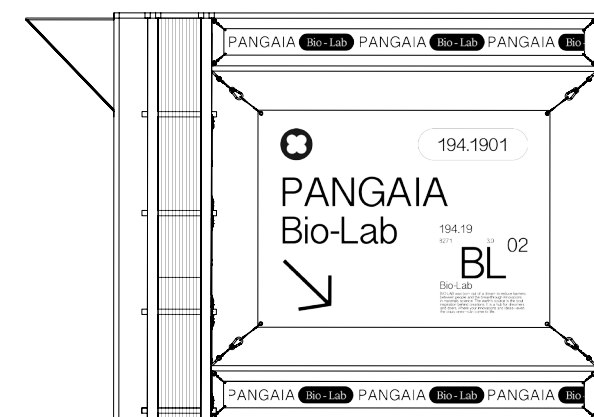
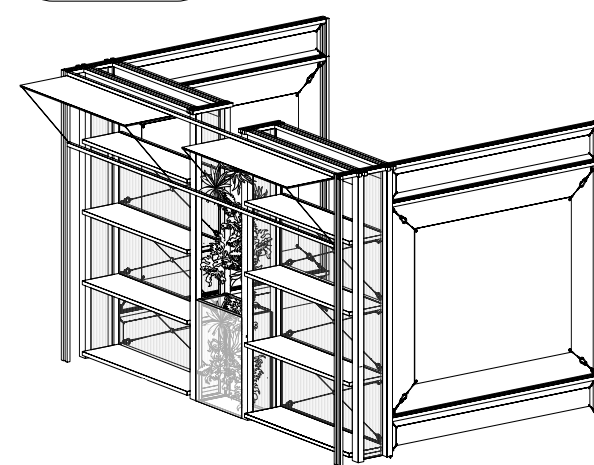
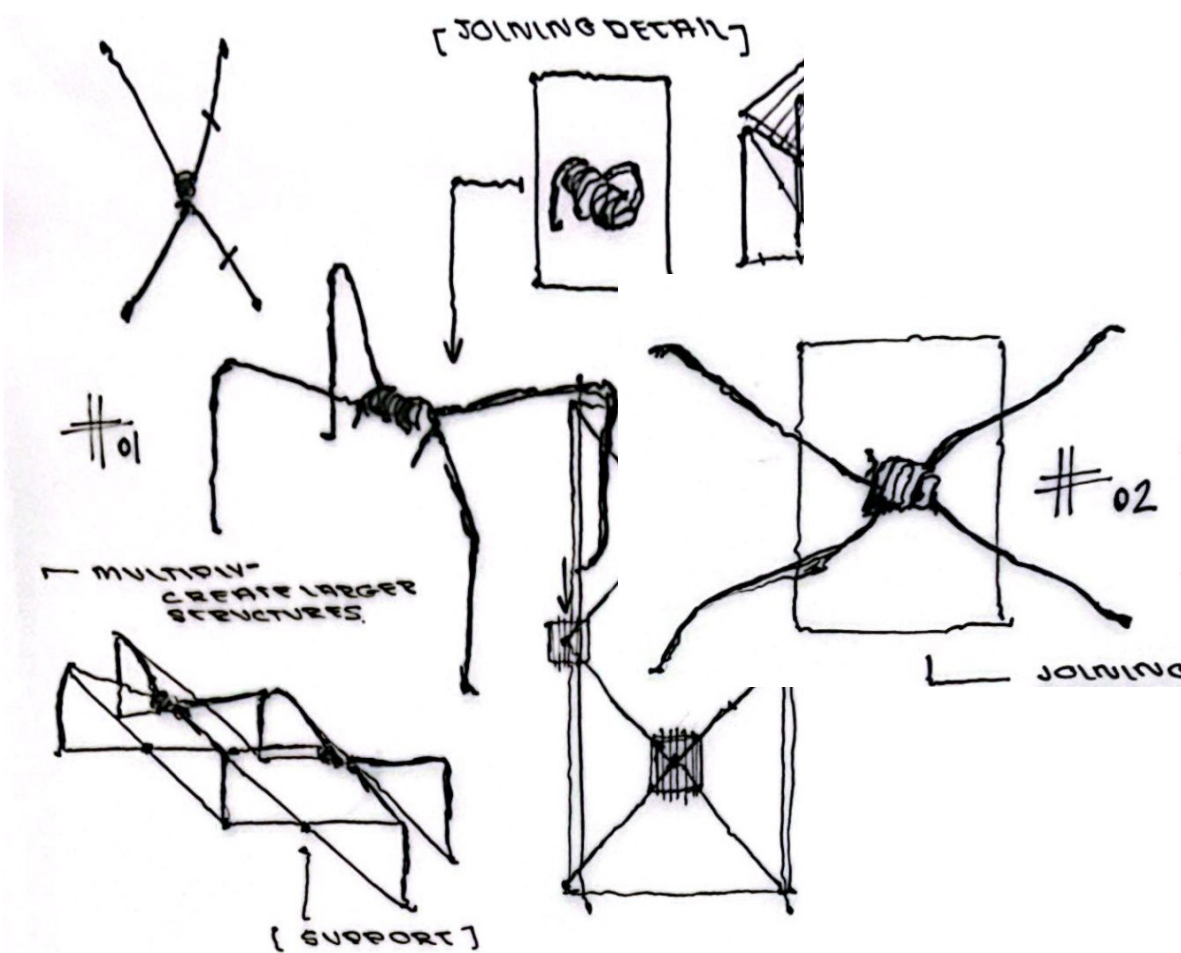
MATERIALITY



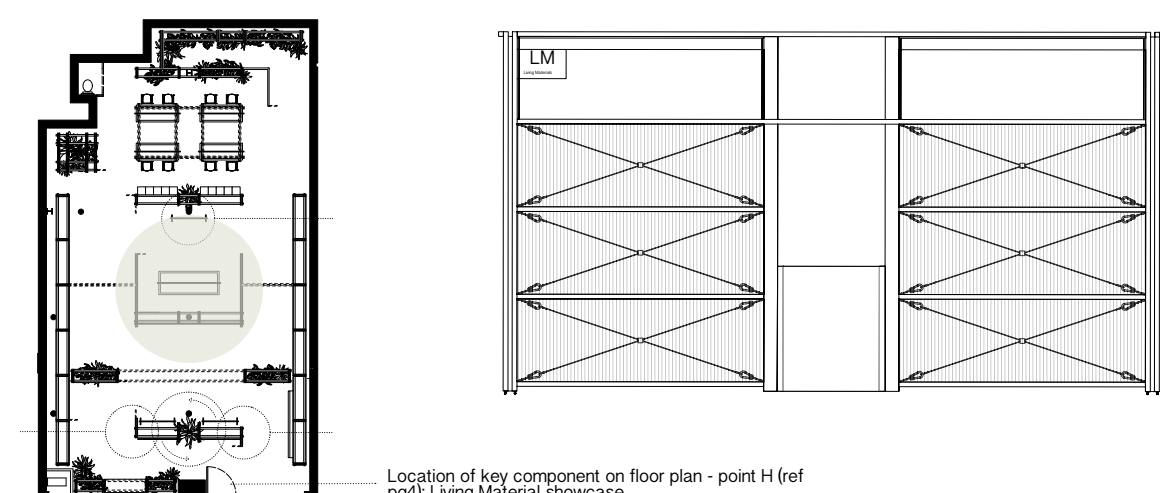
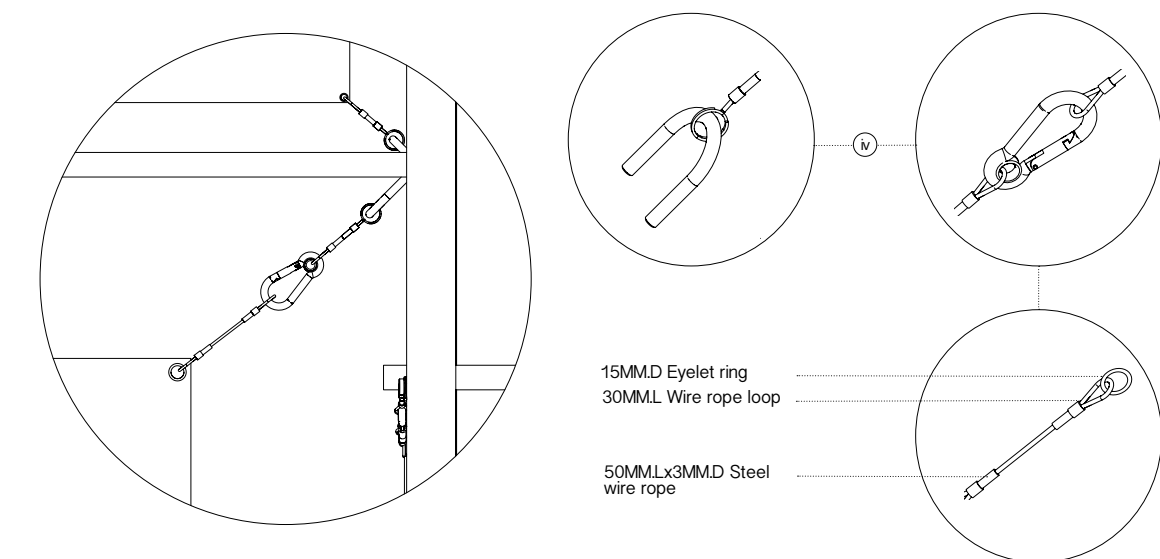
01	RECLAIMED/REUSED STEEL/ALUMINIUM	APPLICATION/LOCATION	SPECIFICATION
	EMR MANCHESTER	All interior furniture, structures, workshop benches, display cabinets	Locally sourced surplus scrap/construction metal - can be recycled after use Source: https://www.kemri.co.uk/yards/emr-manches-her-scrap-metal
02	RECLAIMED CONSTRUCTION GLASS		
	(DEMOLITION CONTRACTOR)	Display cabinet toppers, display cases	Locally sourced surplus scrap/construction glass - can be recycled after use Source: https://surplusbuildingsupplies.co.uk/
03	POLYCARBONATE		
	BIRCHWOOD TRADING MOR	Space dividers inserted into interior structures and wall coverings	Locally sourced off made-to-measure polycarbonate - can be shredded and returned to the manufacturer after use - translucent neutral Source: https://www.birchwoodtrading.co.uk/reusable-multi-wall-carbonate-cut-to-size_p330-carbonate-cut-to-size_p39
04	NATURAL PLANTS		
	PLANT PLAN	Displayed in cabinets, in vitro and in greenhouse area	Rented from biophilic sustainable local source Source: https://www.plantplan.co.uk/?utm_term=plant%20plan&source



Aligning with the brief's emphasis on circular practices and sustainability, I centred my practical research and experimentation around modular furniture and techniques that have the potential to easily and efficiently move, create new forms multiply existing forms. Steel and aluminium were key materials that I was interested in employing for their sustainable and aesthetic qualities. In practice I sketched and modelled small sized test models to explore joinery, structural patterns and potential compositions.



The structure belongs to part of an interconnected system of similar frames and installations within the store that display materials, products and information whilst acting as a way-finding system that forces the route of the user to curate their experience. These structures mark the three phases of the store's interior whilst allowing them to flow into each other as the user's personal experience, engagement with each other and the space itself develops and cultivates relationships as they explore and interact further. These 'themes' focus on discovery, exploration and innovation - allowing the user to learn, harness and create from the information and facilities provided.



..... Location of key component on floor plan - point H (ref pg4): Living Material showcase