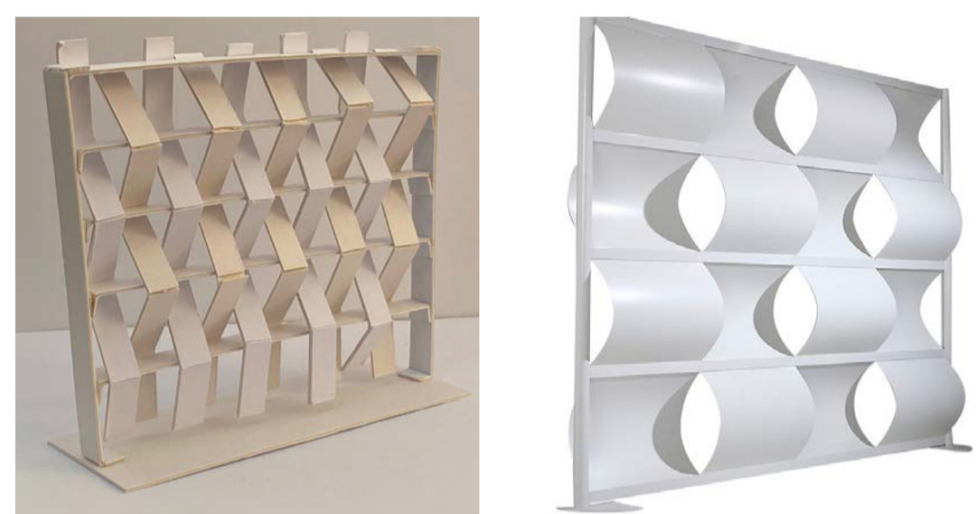
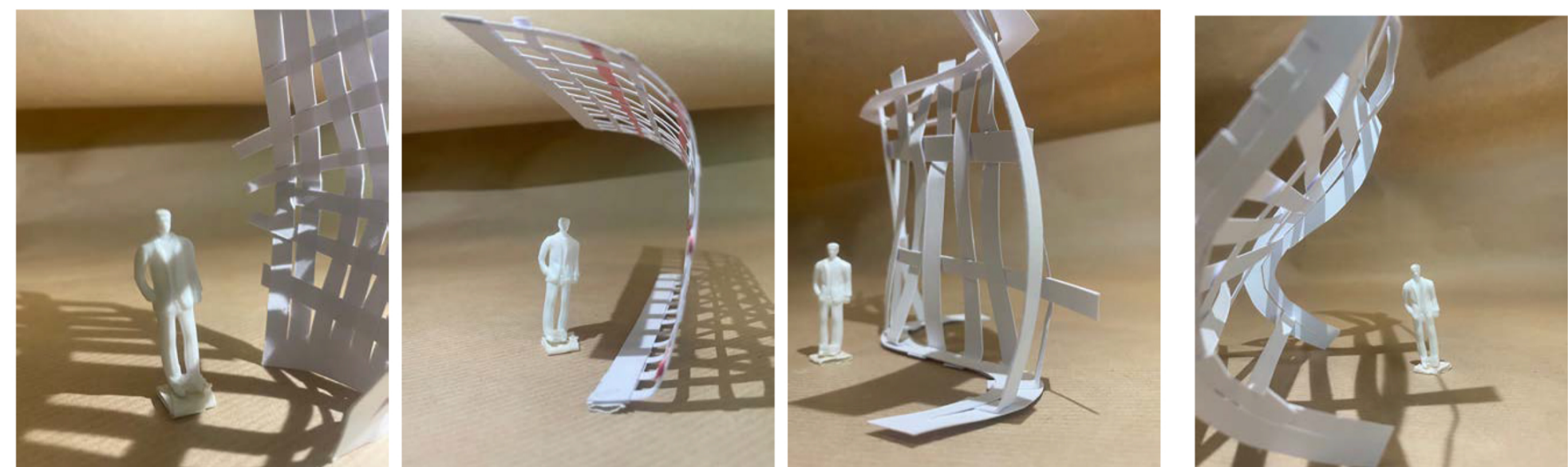
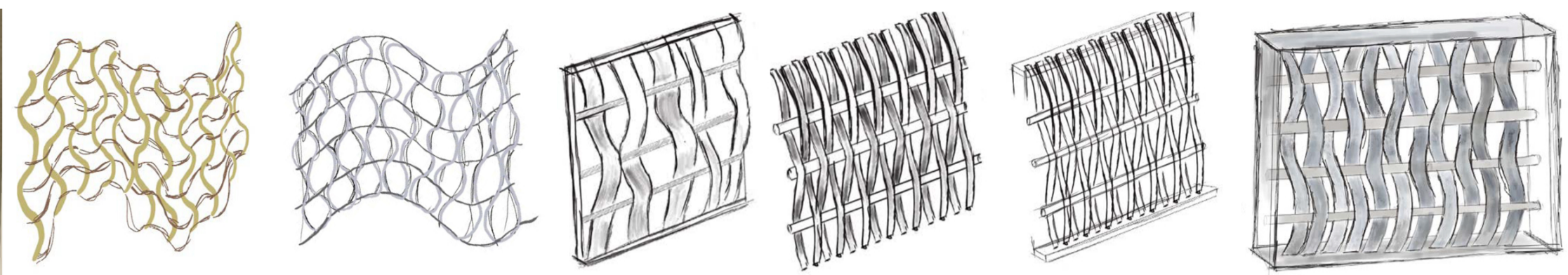




# DESIGN PORTFOLIO

BY MAHA ANISAH MIAH

**GROUP TECHNOLOGY PROJECT REFLECTION**



FOR THIS GROUP PROJECT, I FEEL LIKE MOST OF US REALLY TIRED OUR BEST TO CREATE A PARTITION USING THE THREE WORDS, METAL WEAVE VERTICAL. FOR THE RESEARCH WE SPLIT OFF AND EACH OF US DID REASRCH ON DIFFERENT THINGS TO DO WITH THE THREE WORDS AND ASLO PARTITIONS.

FOR THE DETAIL DRAWING EXERCISE, ME AND OLA BOTH DID THE EXERCISE. IT HELPED ME GET A BETTER UNDERSTANDING OF HOW I SHOULD DO MY OWN DETAIL. I WILL HOPEFULLY USE THE INFORMATION AND SKILL THAT I HAVE GAINED FROM THIS PROJECT TO DRAW MY OWN DETAIL.

LEVEL 5 | EXERCISE BRIEF

DETAIL THREE

GLASS

PRIMARY STRUCTURE

GLASS

CONCRETE CARPET

SECONDARY STRUCTURE

PVC

DETAIL THREE

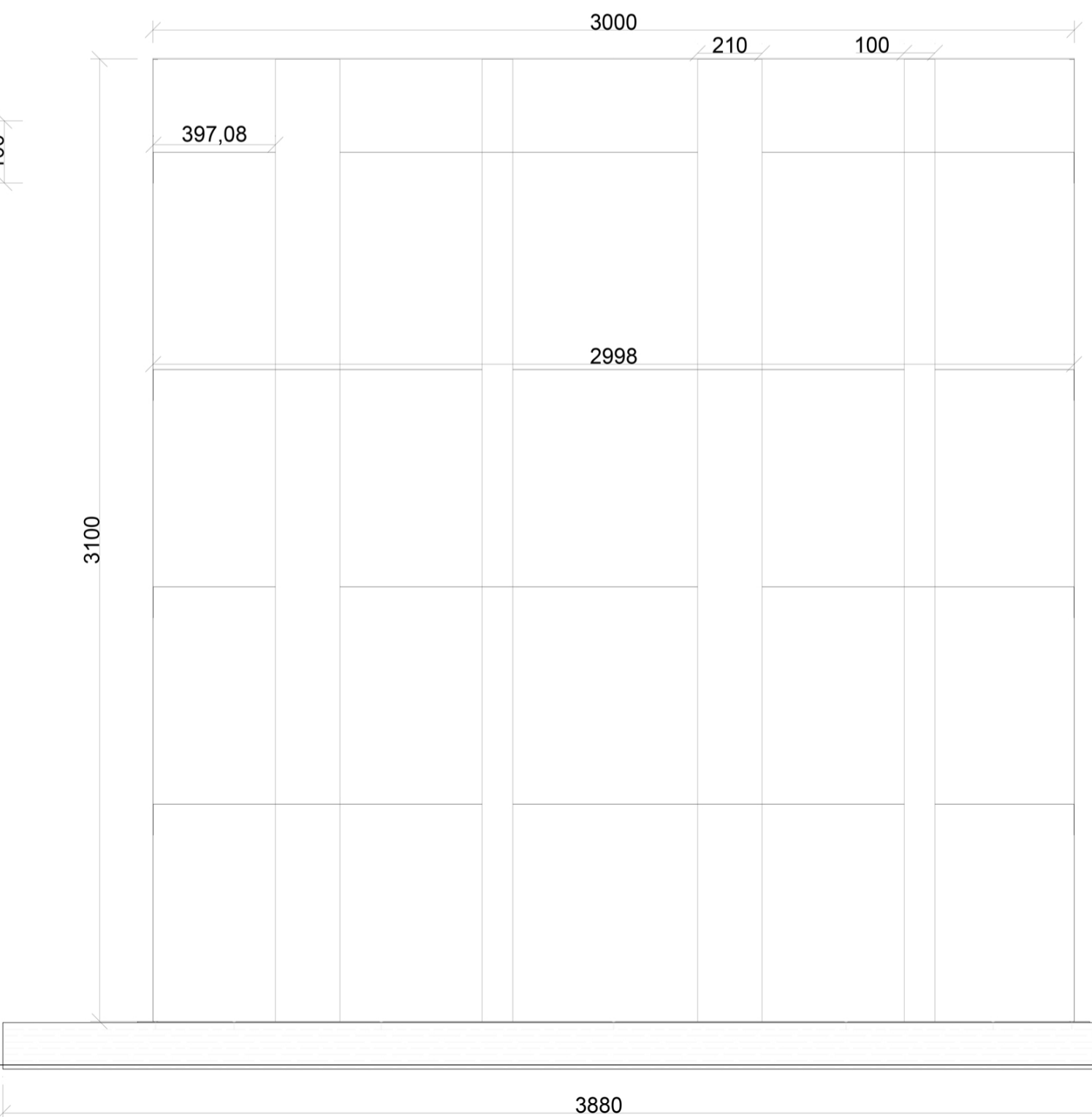
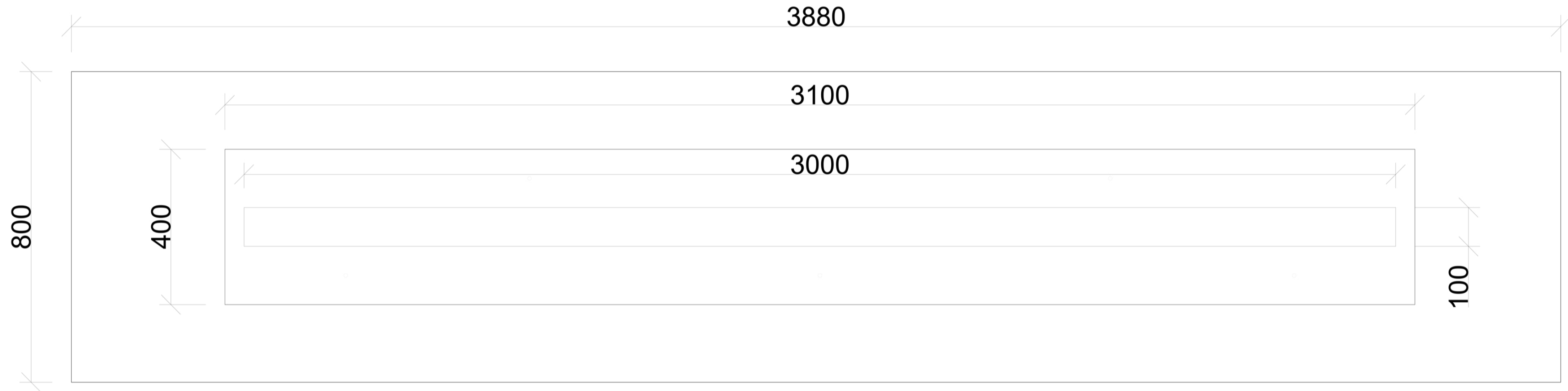
I THINK THE DETAIL DRAWING IS FOR THE SPACE THAT THE MAN IS SITTING INSIDE

Types of Metals	Tensile Strength (psi)	Yield strength (psi)	Hardness Rockwell (B-scale)	Density (kg/m <sup>3</sup> )
Stainless steel 304	90,000	45,000	88	8000
Aluminum 6061-T6	45,000	40,000	60	2720
Aluminum 5052-H32	33,000	28,000		2680
Aluminum 2024	22,000	20,000	20 to 25	2720
Steel A36	58-80,000	36,000		7850
Steel Grade 50	65,000	50,000		7850
Yellow Brass	40,000	15	840	8470
Red Brass	48,000	15	874	8740
Copper	28,000	10	894	8940
Phosphor Bronze	55,000	78		8900
Aluminum Bronze	21,000	77		7700-8700

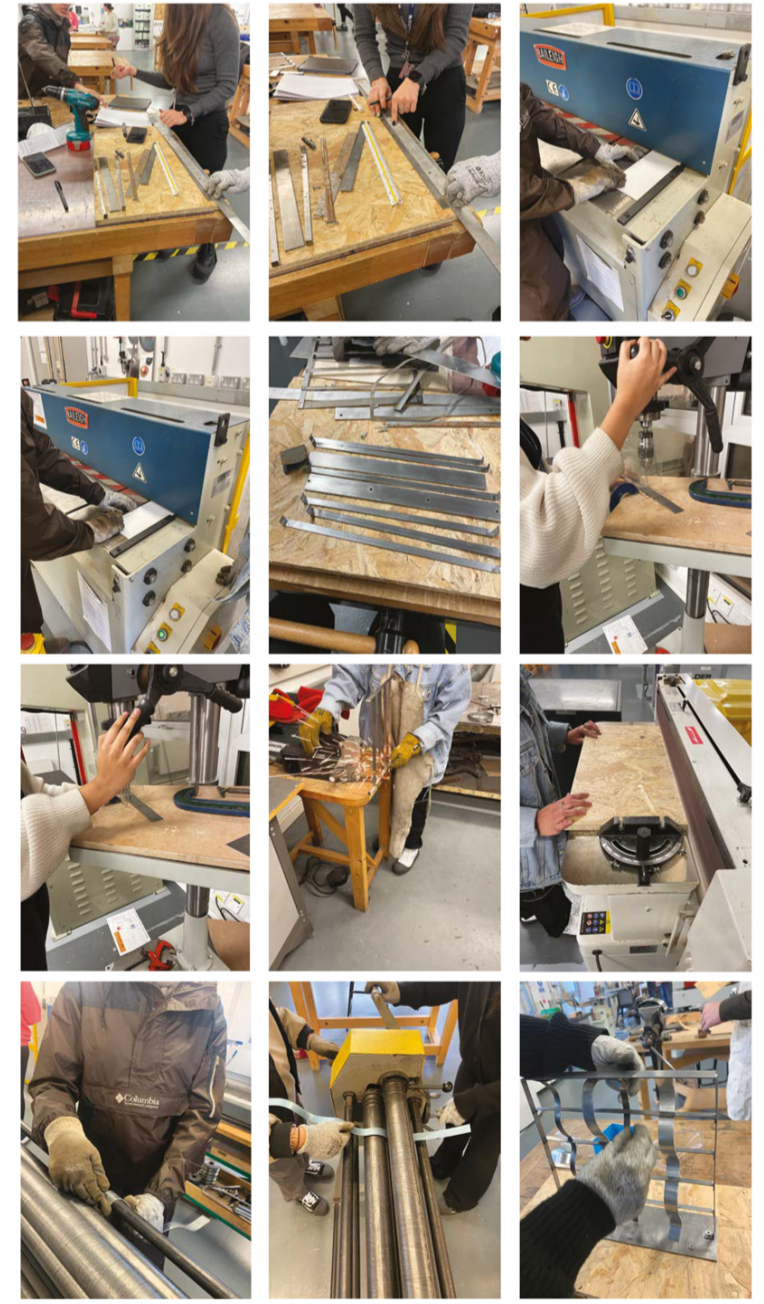
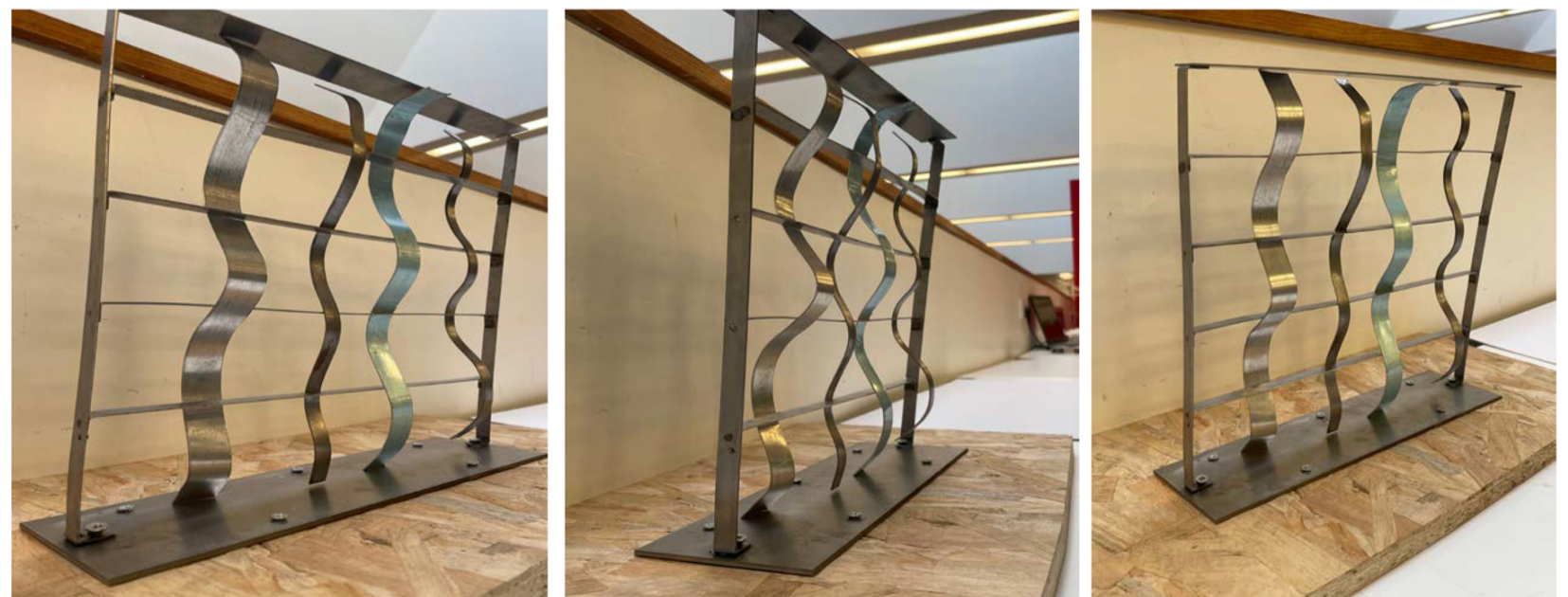
**CHOSEN METALS**

PRIMARY STRUCTURE METAL-STEEL SECONDARY STRUCTURE-ALUMINIUM

- High in strength and continuity
- Fire resistant
- Easy installation
- Light in weight
- Lightweight
- Flexible
- Durable
- Can be easily manipulated for weaving

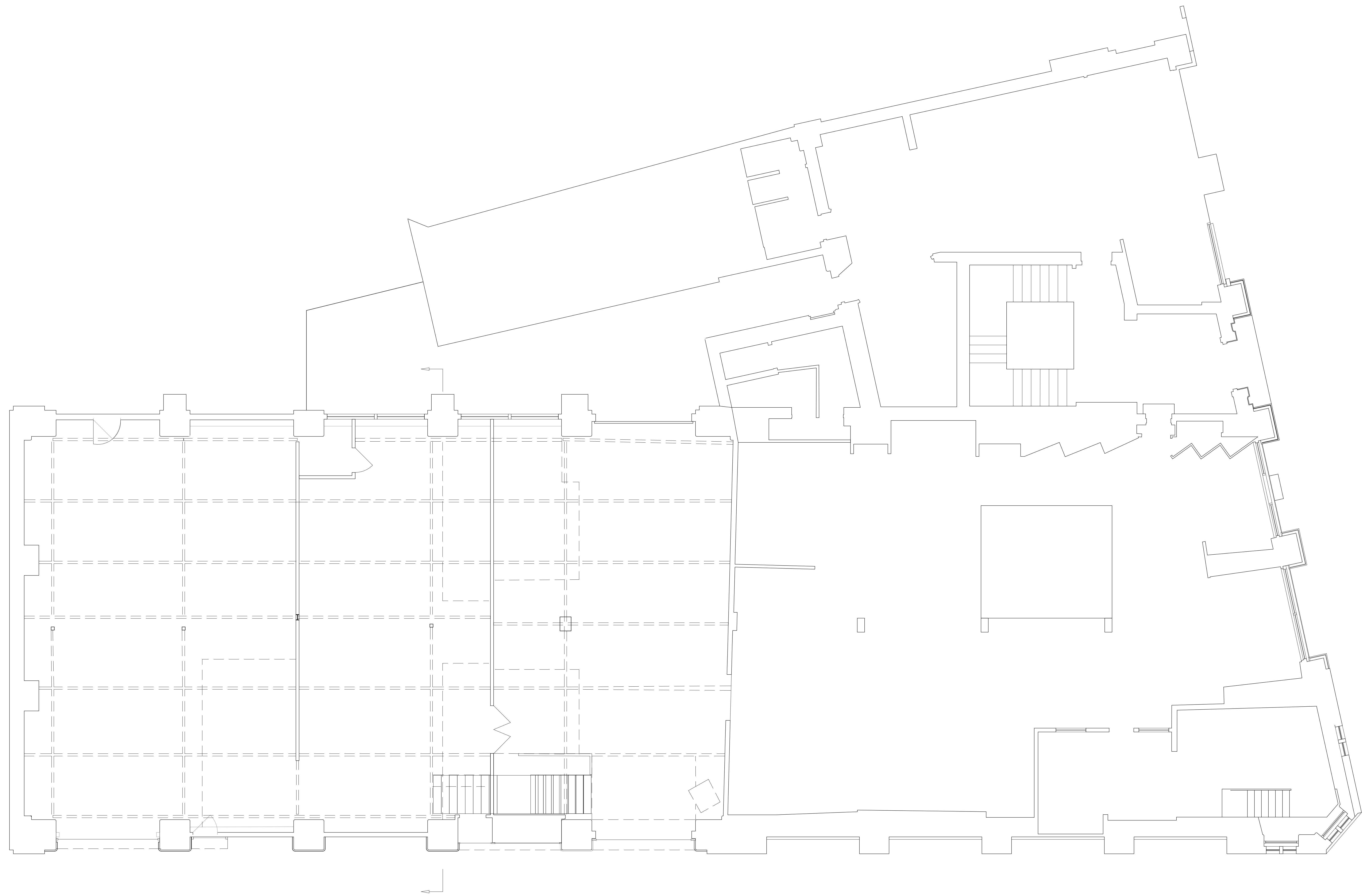


THE PLAN AND SECTION CAD DRAWINGS WERE DONE BY ME. I WAS GIVEN THE TASK TO DO THE DRAWINGS AND TO ALSO HELP CREATE OUR FINAL MODEL WITH HELP.



THIS IS THE FINAL MODEL, I DID THE STRUCTURE OF THE MODEL AND ASLO SOME OF THE WEAVES THAT GO THROUGH THE PARTITION. BECAUSE OF WORKING IN A GROUP, IT WAS EASY TO DELEGATE TASKS TO OTHERS WHILE I FOCUSED ON THE MODEL MAKING.





**BIRMINGHAM CITY UNIVERSITY**

PROJECT NAME

**TRANSFORMING SPACE 2**

DRAWING TITLE

**EXISTING GROUND FLOOR  
PLAN**

SITE ADDRESS

**32 CONSTITUTION  
HILL,  
BIRMINGHAM B19  
3JT**

PROJECT NO.

**10**

DRAWING NO.

**1**

SCALE

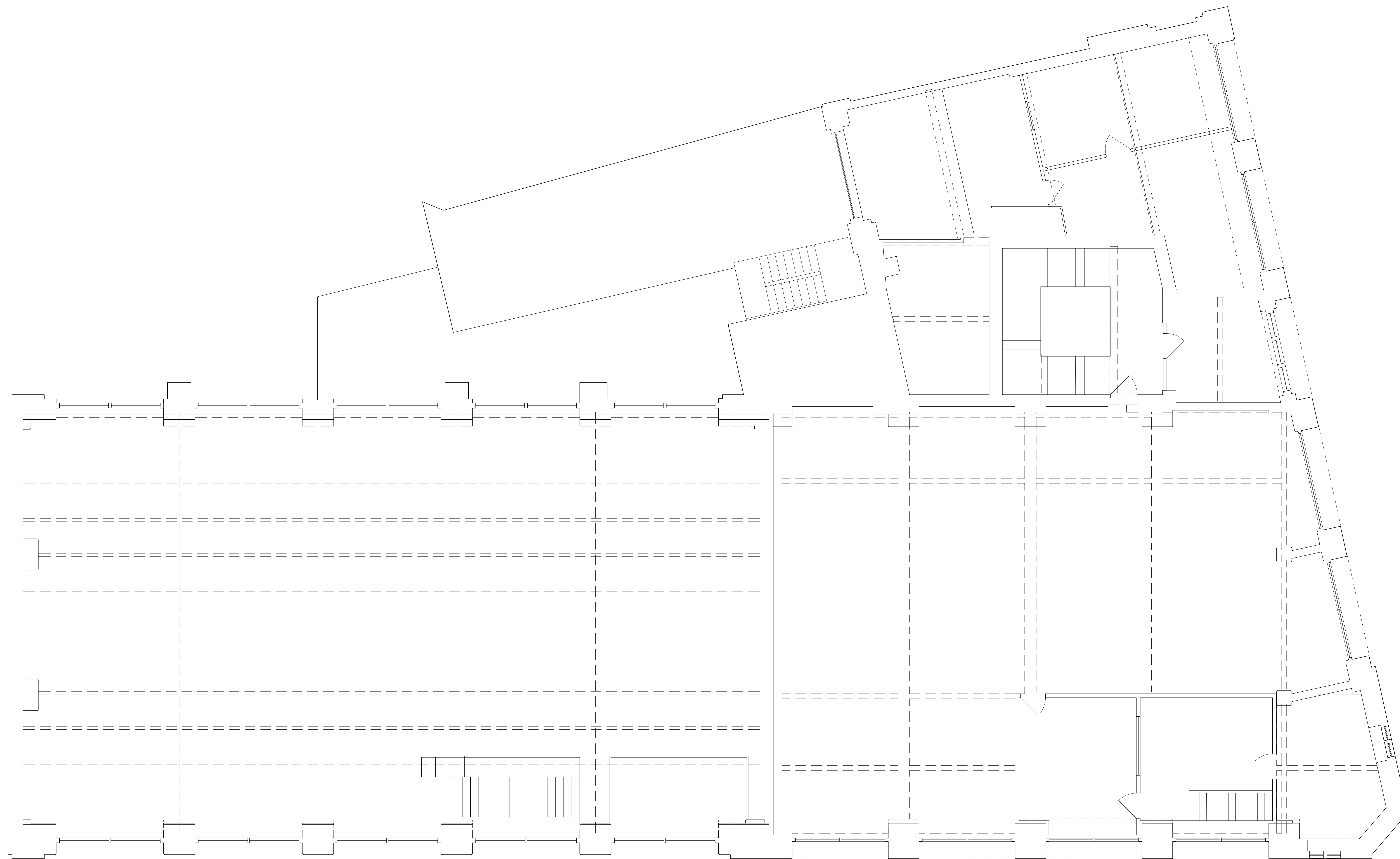
**1:50**

DATE

**3 MAY  
2023**

NAME

**MAHA ANISAH  
MIAH**



**BIRMINGHAM CITY UNIVERSITY**

PROJECT NAME

**TRANSFORMING SPACE 2**

DRAWING TITLE

**EXISTING MEZZANINE FLOOR  
PLAN**

SITE ADDRESS

PROJECT NO.

**32 CONSTITUTION  
HILL,  
BIRMINGHAM B19  
3JT**

**10**  
DRAWING NO.

**2**

SCALE

**1:50**

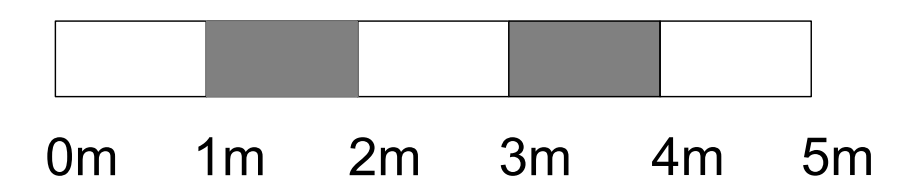
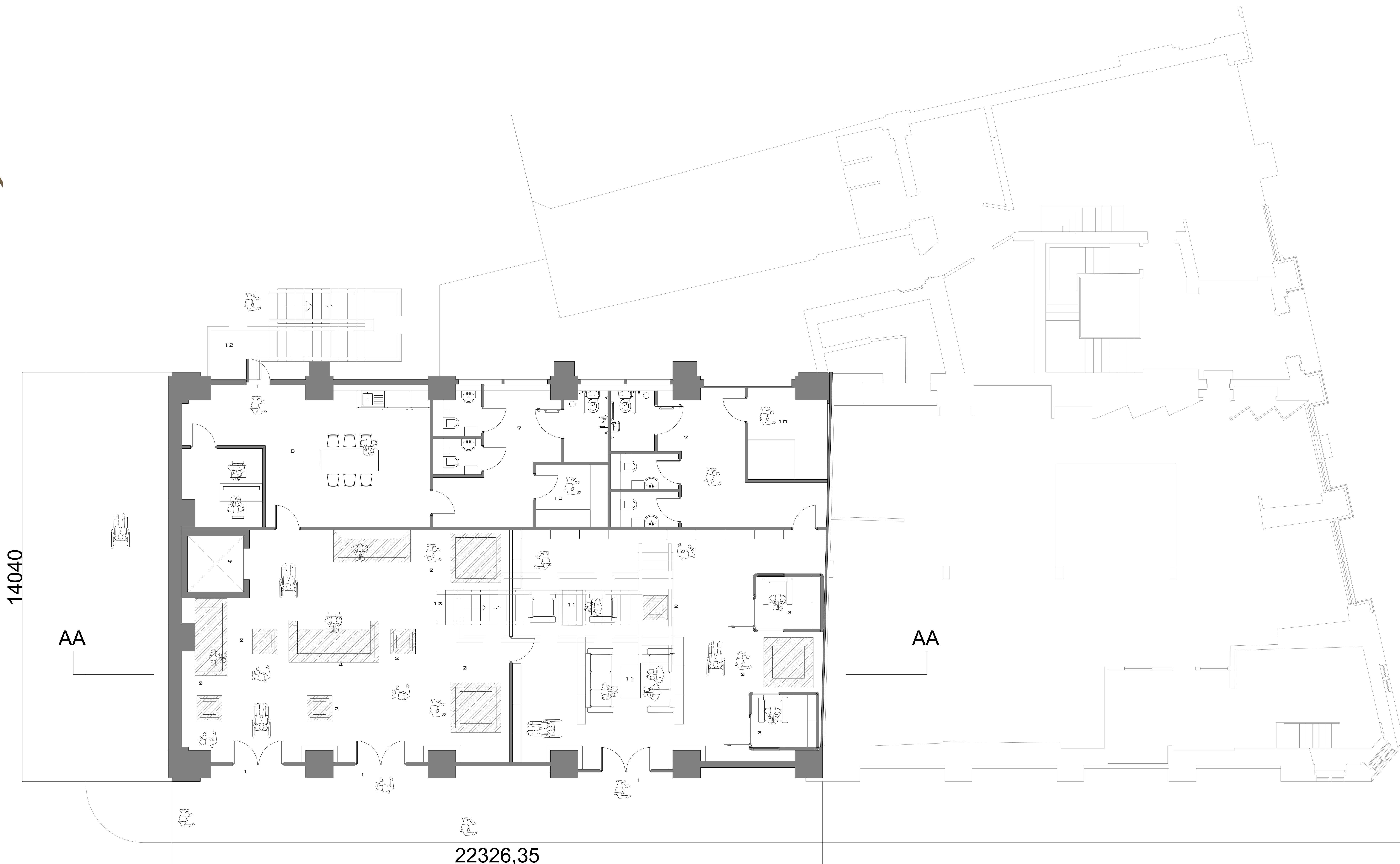
DATE

NAME

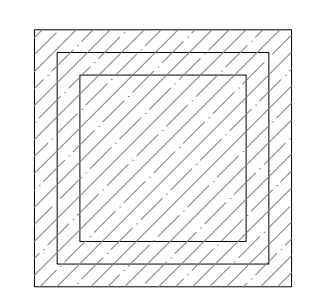
**3 MAY  
2023**

**MAHA ANISAH  
MIAH**



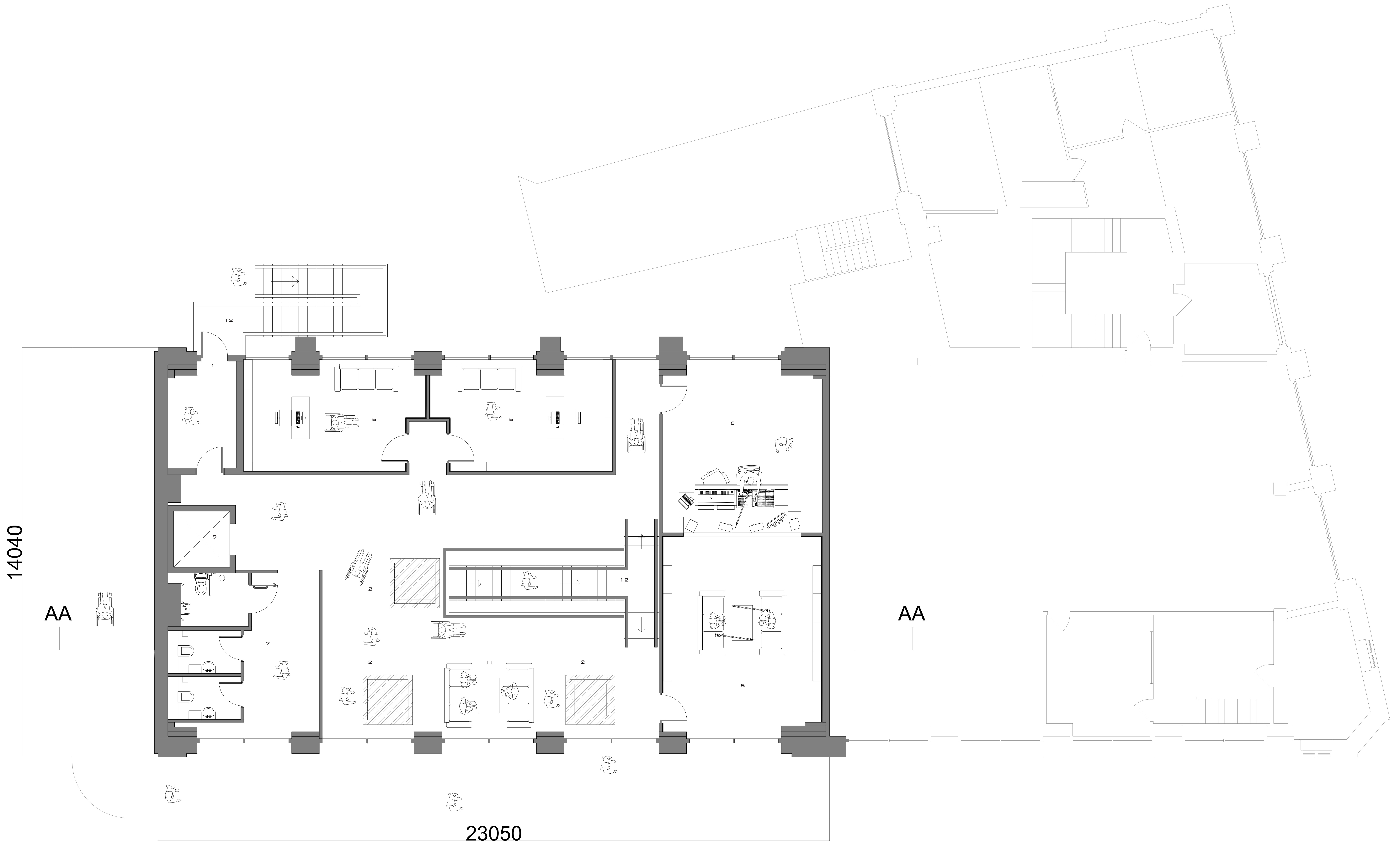


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- |   |                    |   |               |   |            |    |                   |
|---|--------------------|---|---------------|---|------------|----|-------------------|
| 1 | ENTRANCE/FIRE EXIT | 4 | RECEPTION     | 7 | W.C        | 10 | STORAGE/ CLEANERS |
| 2 | COLUMNS            | 5 | PODCAST ROOMS | 8 | STAFF AREA | 11 | SEATING           |
| 3 | READINGPODS        | 6 | CONTROL ROOM  | 9 | LIFT       | 12 | STAIRS/ EMERGENCY |



HATCH ANS135 IS FOR COLUMNS

**BIRMINGHAM CITY UNIVERSITY**  
 PROJECT NAME  
**TRANSFORMING SPACE 2**  
 DRAWING TITLE  
**PROPOSED GROUND FLOOR PLAN**  
 SITE ADDRESS PROJECT NO.  
**32 CONSTITUTION HILL, BIRMINGHAM B19 3JT 10**  
 DRAWING NO.  
**3**  
 SCALE  
**1:50**  
 DATE NAME  
**3 MAY 2023 MAHA ANISAH MIAH**

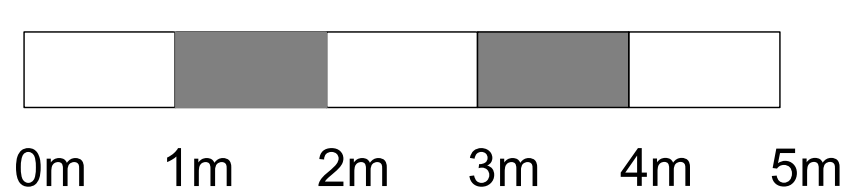


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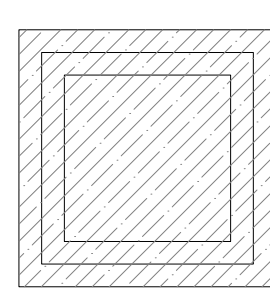
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23050



- KEY:
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| 2 | COLUMNS            | 5 | PODCAST ROOMS | 8 | STAFF AREA | 11 | SEATING           |
| 3 | READINGPODS        | 6 | CONTROL ROOM  | 9 | LIFT       | 12 | STAIRS/ EMERGENCY |



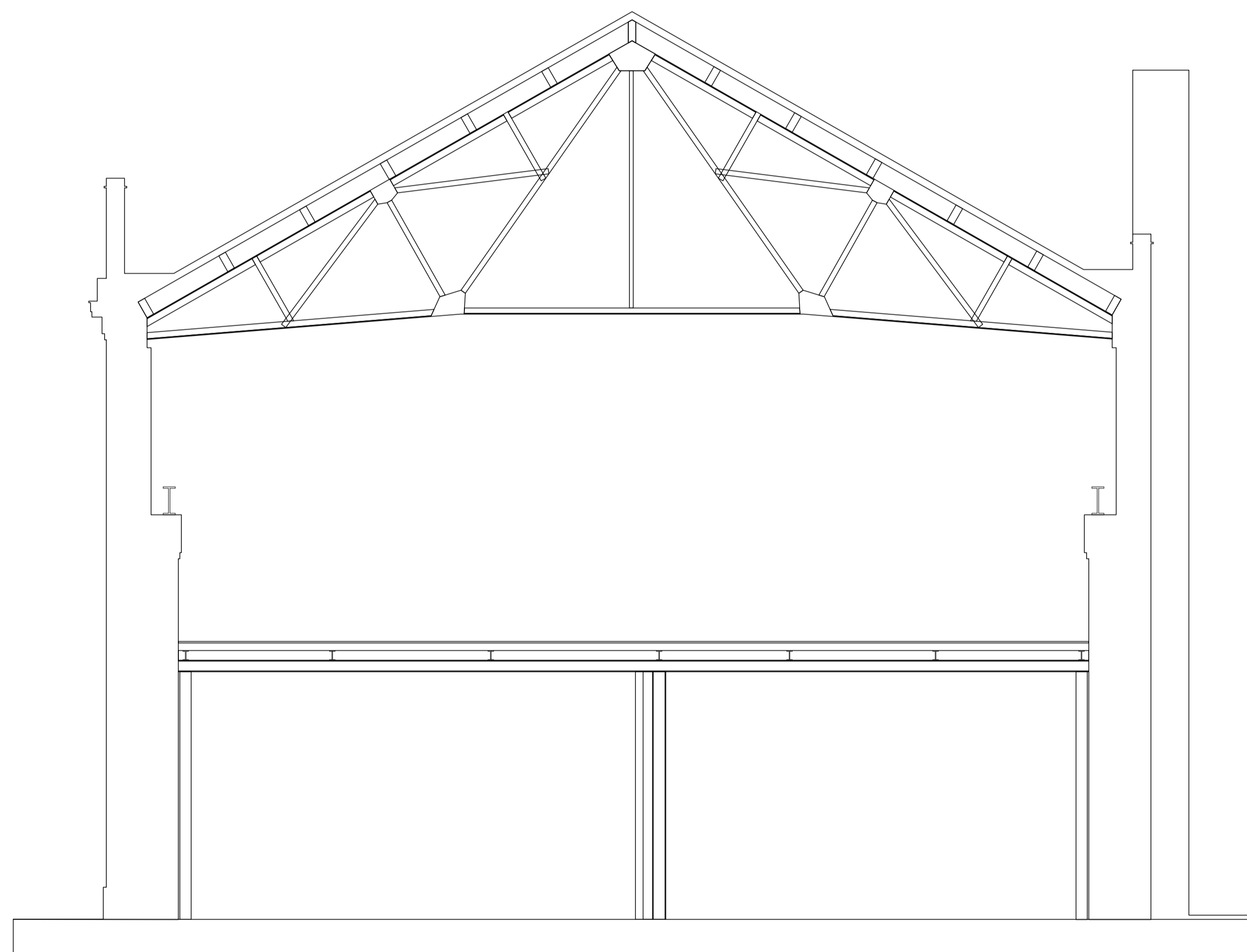
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**BIRMINGHAM CITY UNIVERSITY**  
 PROJECT NAME  
**TRANSFORMING SPACE 2**  
 DRAWING TITLE  
**PROPOSED MEZZANINE FLOOR PLAN**  
 DRAWING TITLE  
 SITE ADDRESS PROJECT NO.  
**32 CONSTITUTION HILL, BIRMINGHAM B19 3JT** **10**  
 DRAWING NO.  
**4**  
 SCALE  
**1:50**  
 DATE NAME  
**3 MAY 2023 MAHA ANISAH MIAH**





**EXISTING SECTION**



**BIRMINGHAM CITY UNIVERSITY**

PROJECT NAME

**TRANSFORMING SPACE 2**

DRAWING TITLE

**EXISTING SECTION A**

SITE ADDRESS

**32 CONSTITUTION  
HILL,  
BIRMINGHAM B19  
3JT**

PROJECT NO.

**10**

DRAWING NO.

**4**

SCALE

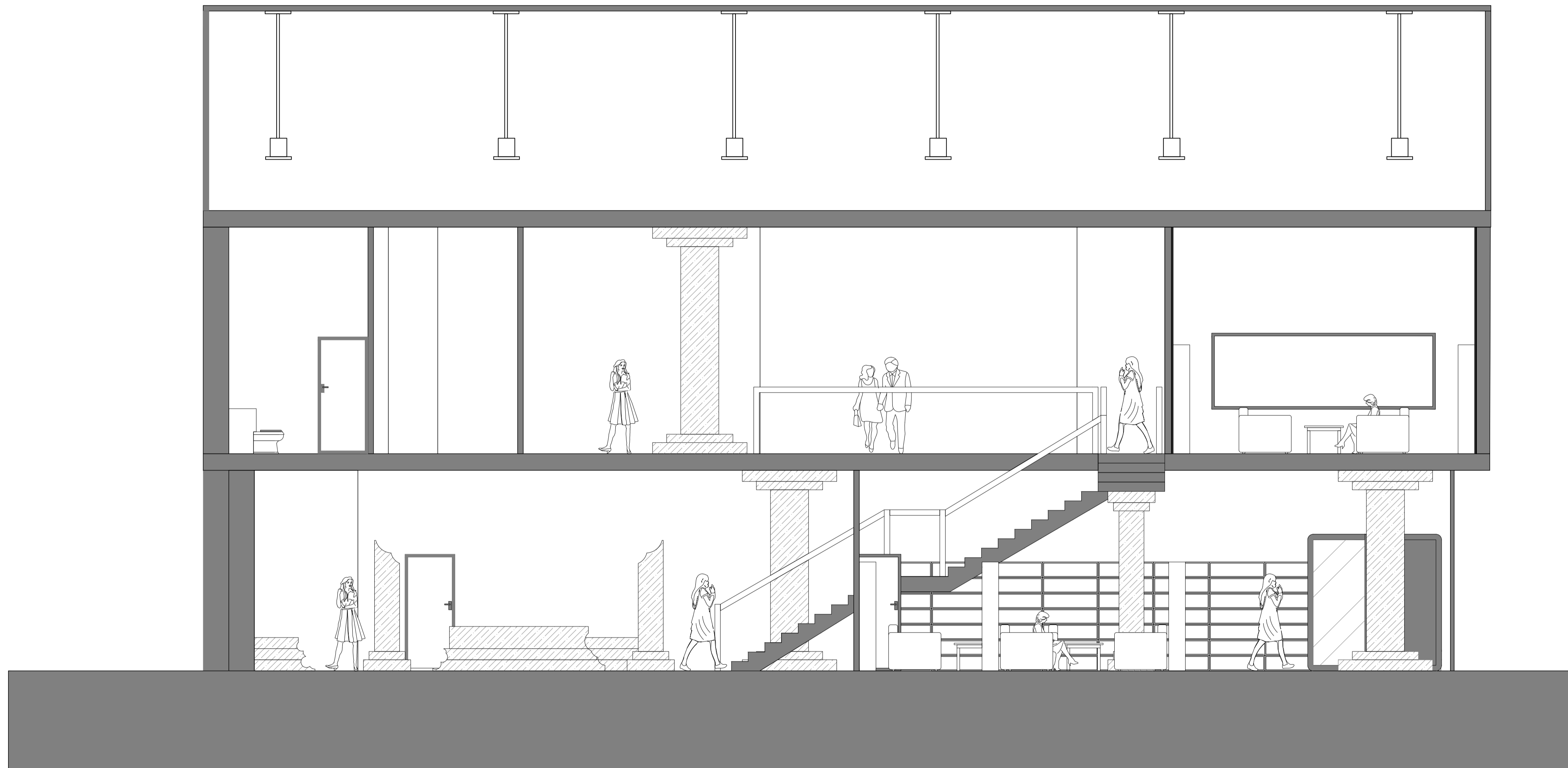
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DATE

**3 MAY  
2023**

NAME

**MAHA ANISAH  
MIAH**



**BIRMINGHAM CITY UNIVERSITY**

PROJECT NAME

**TRANSFORMING SPACE 2**

DRAWING TITLE

**PROPOSED SECTION AA**

SITE ADDRESS

**32 CONSTITUTION  
HILL,  
BIRMINGHAM B19  
3JT**

PROJECT NO.

**10**

DRAWING NO.

**5**

SCALE

**1:50**

DATE

**3 MAY  
2023**

NAME

**MAHA ANISAH  
MIAH**



**EXISTING FACADE ELEVATION**



**BIRMINGHAM CITY UNIVERSITY**

PROJECT NAME

**TRANSFORMING SPACE 2**

DRAWING TITLE

**EXISTING FACADE ELEVATION**

SITE ADDRESS

**32 CONSTITUTION  
HILL,  
BIRMINGHAM B19  
3JT**

PROJECT NO.

**10**

DRAWING NO.

**6**

SCALE

**1:100**

DATE

**3 MAY  
2023**

NAME

**MAHA ANISAH  
MIAH**

**PROPOSED FACADE ELEVATION**



**BIRMINGHAM CITY UNIVERSITY**

PROJECT NAME

**TRANSFORMING SPACE 2**

DRAWING TITLE

**PROPOSED FACADE ELEVATION**

SITE ADDRESS

**32 CONSTITUTION  
HILL,  
BIRMINGHAM B19  
3JT**

PROJECT NO.

**10**

DRAWING NO.

**7**

SCALE

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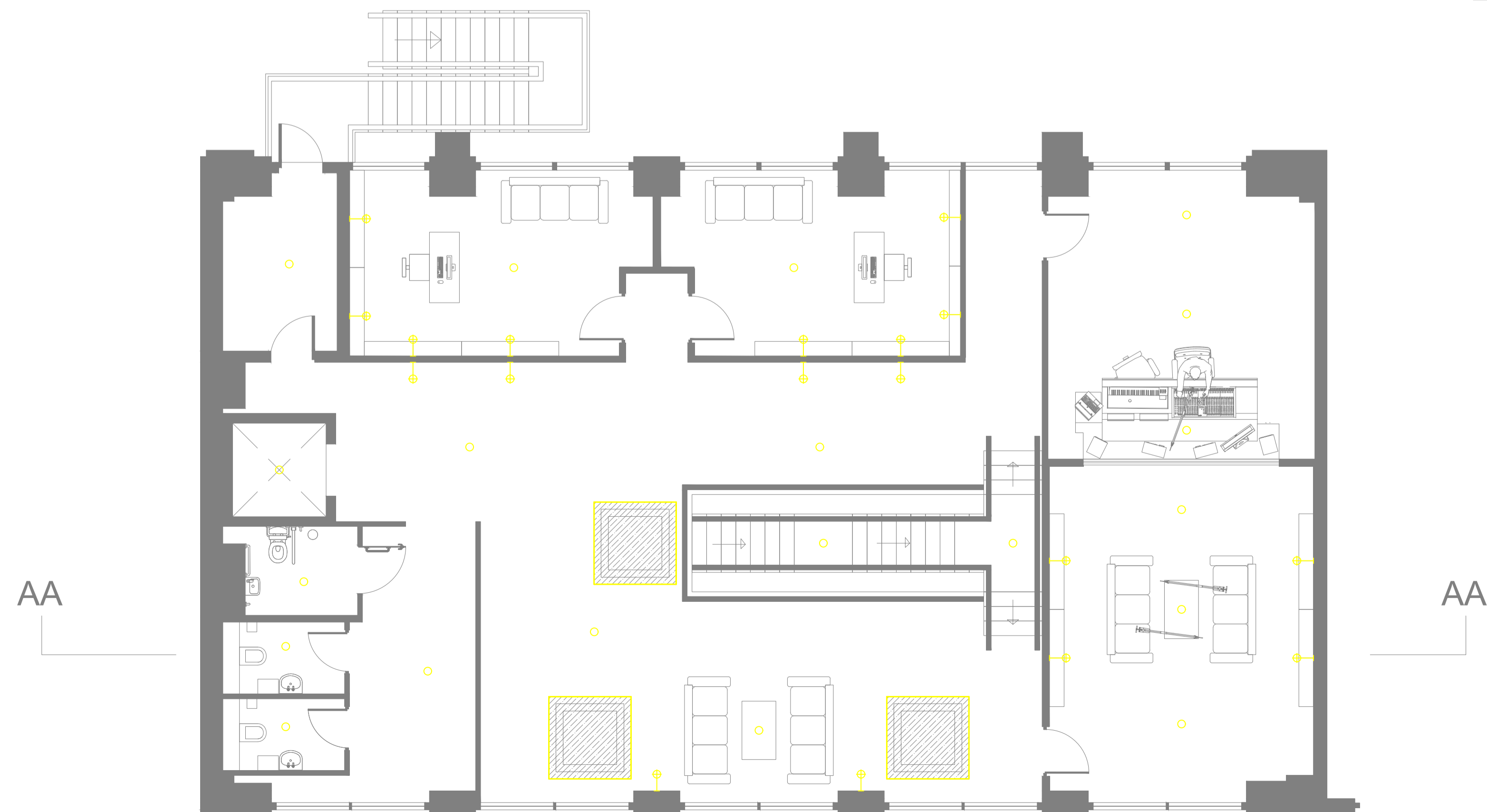
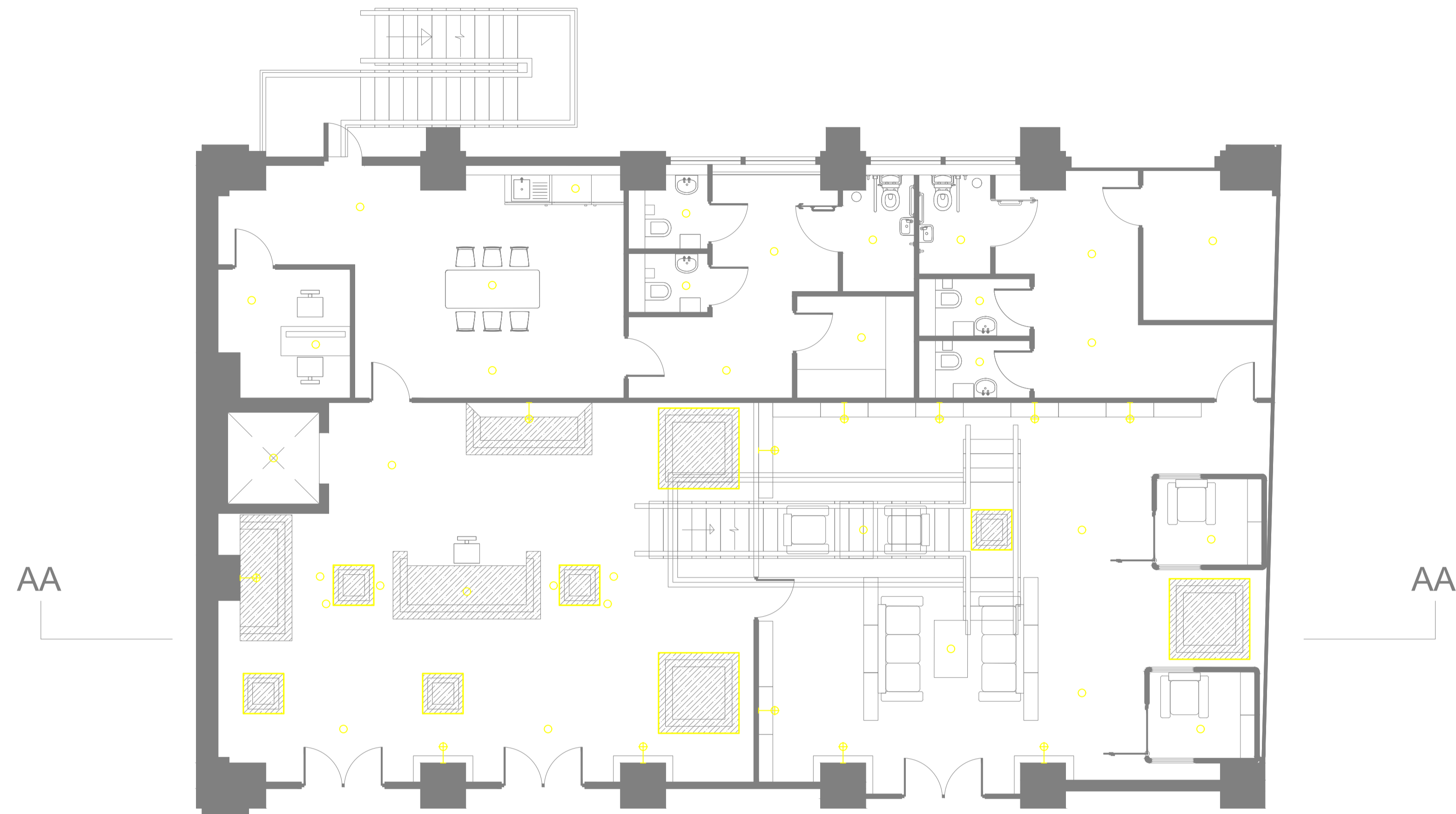
DATE

**3 MAY  
2023**

NAME

**MAHA ANISAH  
MIAH**

LIGHTING PLAN



FIXTURE SCHEDULE			
Symbol	Type	Description	Quantity
○	F1	Recessed down light	XX
—⊕—	F2	Wall sconce	XX
▭	F3	LED Profile light	XX

**BIRMINGHAM CITY UNIVERSITY**

PROJECT NAME

**TRANSFORMING SPACE 2**

DRAWING TITLE

**LIGHTING PLAN**

SITE ADDRESS

**32 CONSTITUTION  
HILL,  
BIRMINGHAM B19  
3JT**

DATE

**3 MAY  
2023**

PROJECT NO.

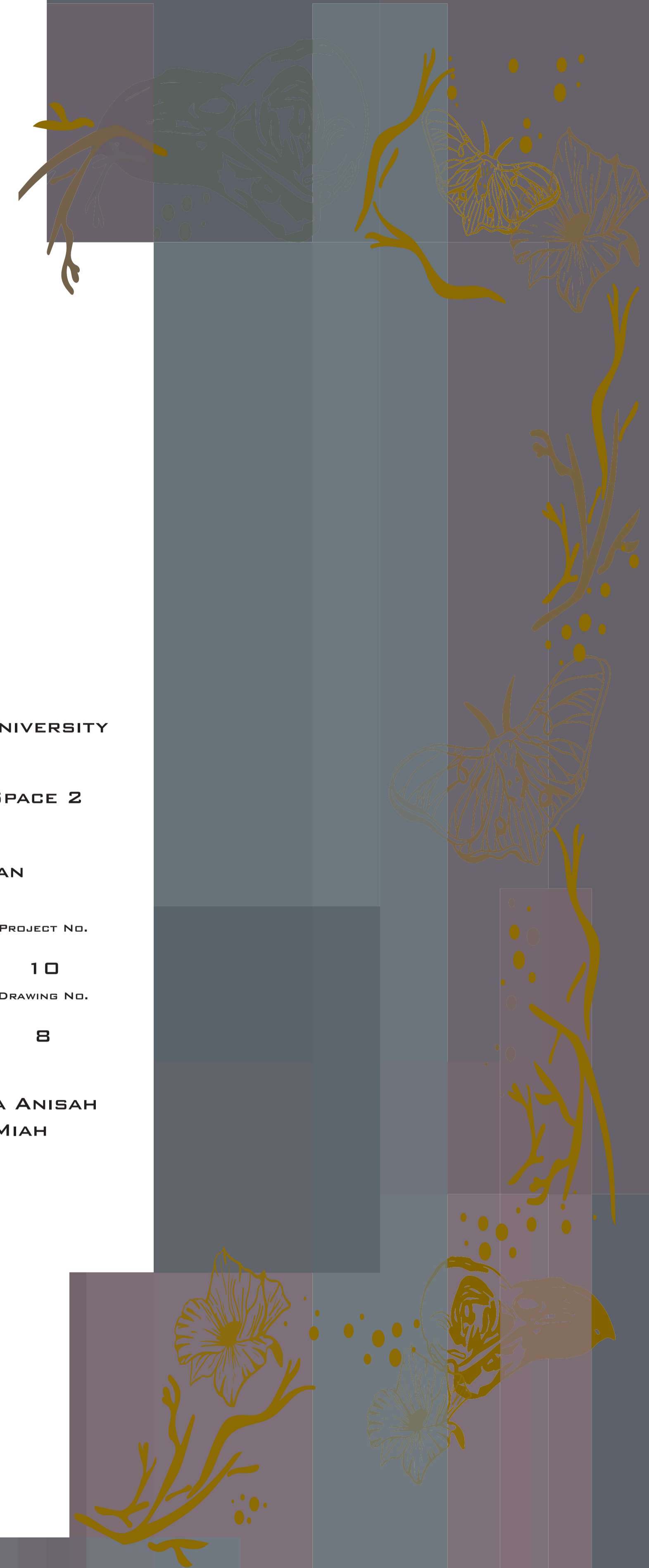
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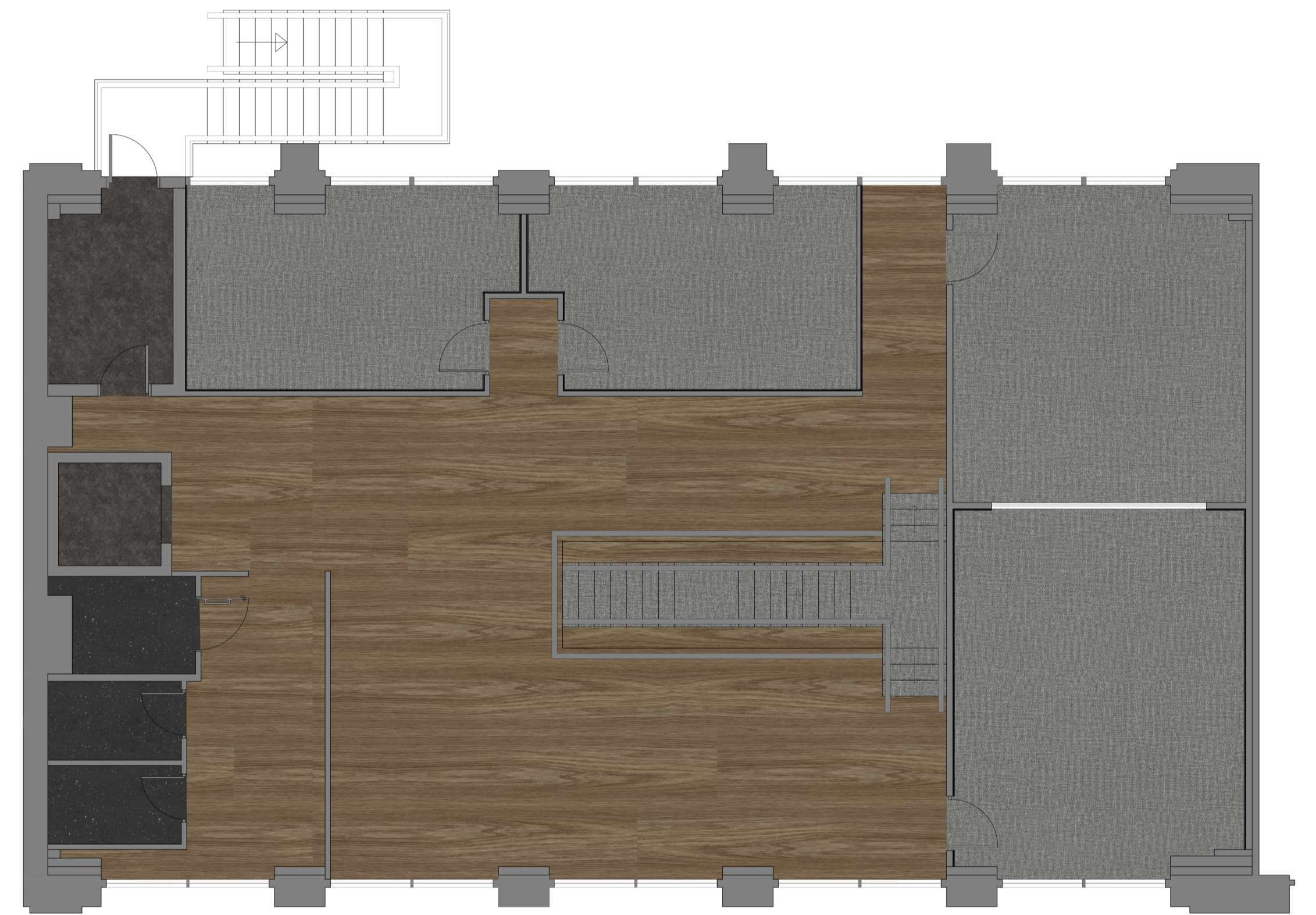
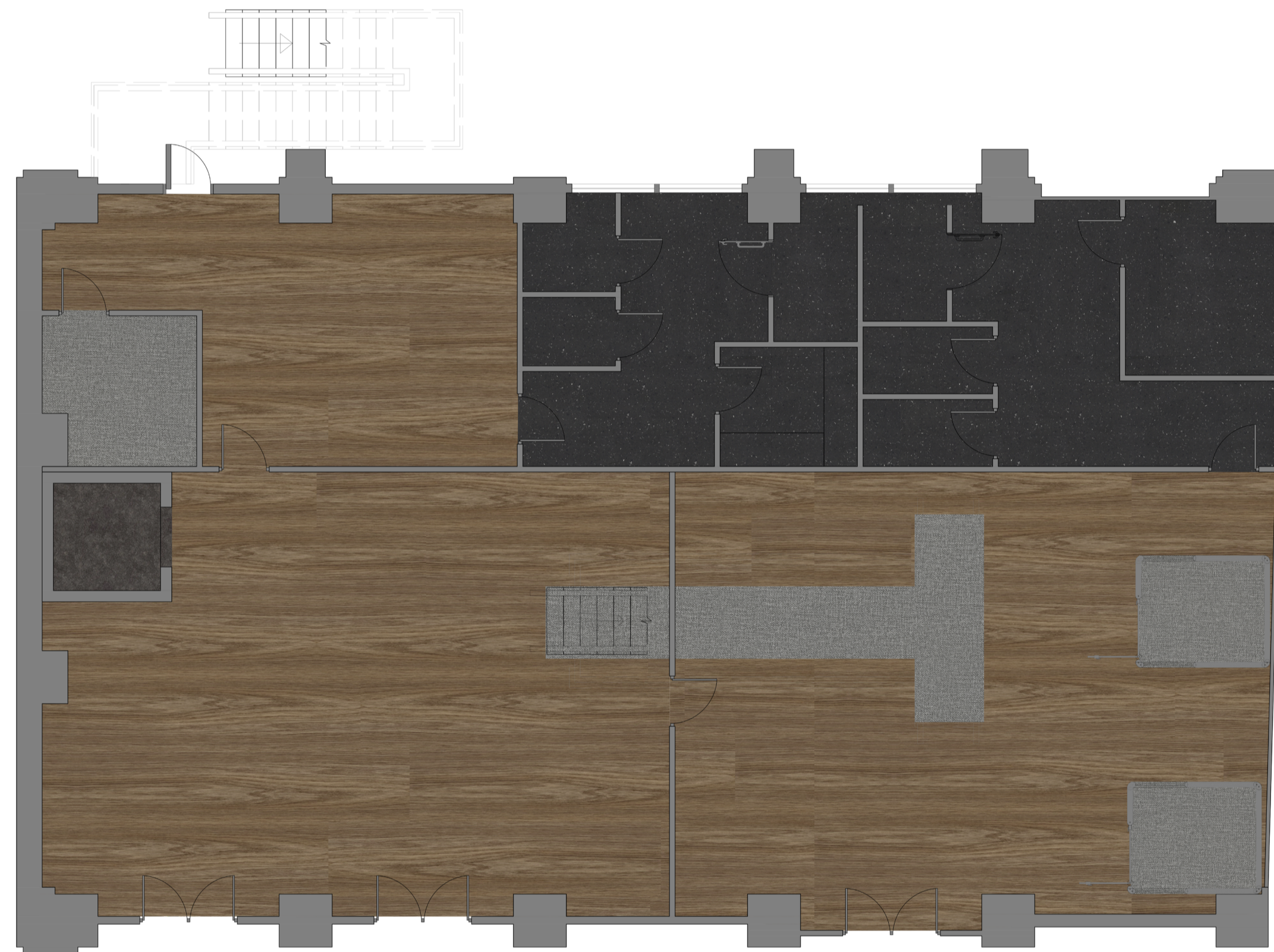
**8**

NAME

**MAHA ANISAH  
MIAH**



**FINISHES LAYOUT**



**BIRMINGHAM CITY UNIVERSITY**

PROJECT NAME

**TRANSFORMING SPACE 2**

DRAWING TITLE

**FINISHES LAYOUT**

SITE ADDRESS

**32 CONSTITUTION  
HILL,  
BIRMINGHAM B19  
3JT**

PROJECT NO.

**10**

DRAWING NO.

**9**

DATE

**3 MAY  
2023**

NAME

**MAHA ANISAH  
MIAH**

# FINISHES SPECIFICATIONS

## COLOREX EC, EC 250240 ETNA

THICKNESS: 2MM  
LENGTH X WIDTH: 61.5CM X 61.5CM  
NCS: S8500-N  
LRV: 6%

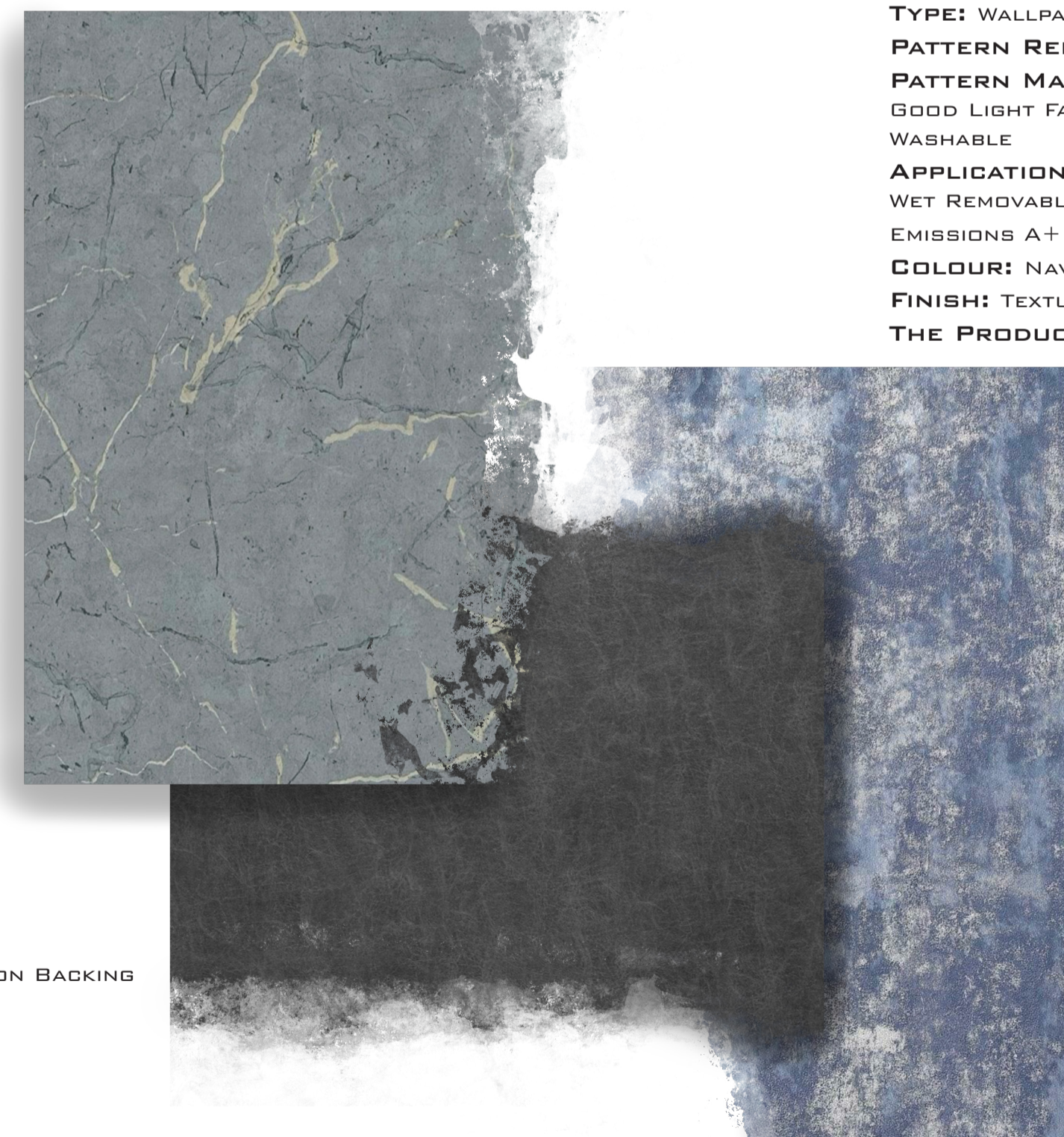


## ALLURA DECIBEL WOOD 5524ADB ESPRESSO SERENE OAK

THICKNESS: 4MM  
WEARLAYER THICKNESS: 0.8MM  
LENGTH X WIDTH: 150CM X 20CM  
NCS: S6010Y30R  
LRV: 20%

## A.S CREATION ALENA MARBLE GRANITE STONE METALLIC BLUE WALLPAPER

SIZE: 10.05M X 0.53M (11YDS X 21INS) APPROX  
5.3M SQUARE (57.75Q .FT)  
MATERIAL: VINYL  
TYPE: WALLPAPER  
PATTERN REPEAT: 64/32  
PATTERN MATCH: OFFSET MATCH  
GOOD LIGHT FASTNESS  
SCRUBBABLE  
DRY STRIPPABLE  
APPLICATION: PASTE THE WALL  
EMISSIONS A+  
COLOUR: BLUE  
THE PRODUCT CODE FOR THIS WALLPAPER IS: 37855-1



## ASCOT ASH

COMPOSITION: 99% PVD 1% PU ACRYLIC VARNISH WITH COTTON BACKING  
VERTICAL PATTERN REPEAT (CM): 0  
HORIZONTAL PATTERN REPEAT (CM): 0  
COLLECTION: ASCOT  
END USE: UPHOLSTERY  
FABRIC TYPE: VINYL  
USABLE WIDTHS (CM): 140  
UPHOLSTERY GRADE: HEAVY DOMESTIC  
MARTINDALE: 350,000  
PRODUCT TYPE: FIRE RETARDANT FABRICS  
CARE INSTRUCTIONS: D  
COMMODITY CODE: 59031010  
FIRE RETARDANT TYPE: COATED  
FIRE RETARDANCY: COATED  
FEATURES: UPHOLSTERY STAIN RESIST ANTIBAC WATERPROOF

## SARLON 19 DB MATERIAL

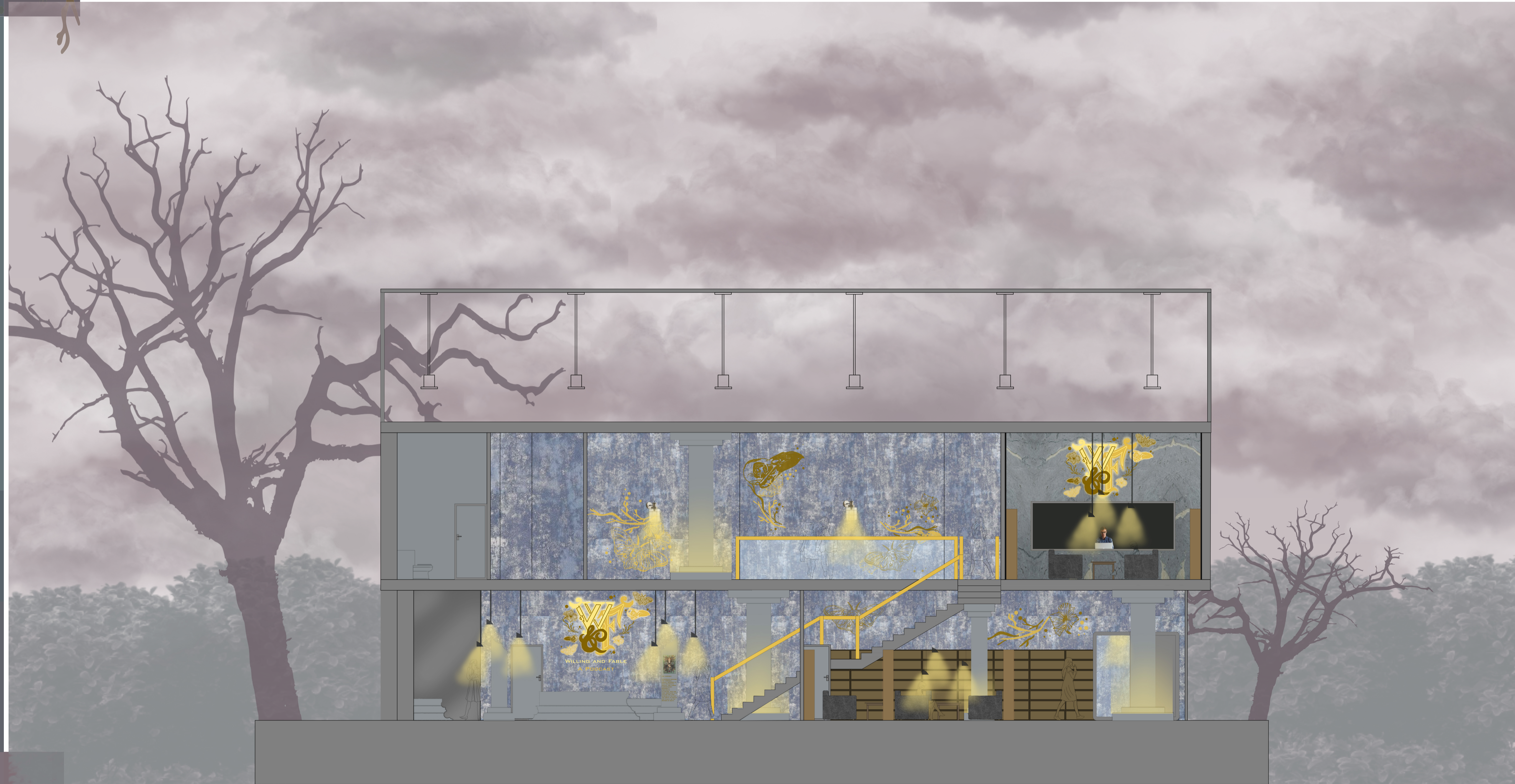
THICKNESS: 3,4MM  
WEARLAYER THICKNESS: 0.7MM  
LENGTH X WIDTH: 25CM X 200CM  
NCS: S5502-Y  
LRV: 20%

## ARTHOUSE STONE CONCRETE INDUSTRIAL NAVY BLUE SILVER WALLPAPER

SIZE: 10.05M X 0.53M (11YDS X 21INS) APPROX  
5.3M SQUARE (57.75Q .FT)  
MATERIAL: VINYL  
TYPE: WALLPAPER  
PATTERN REPEAT: 32CM  
PATTERN MATCH: OFFSET MATCH  
GOOD LIGHT FASTNESS  
WASHABLE  
APPLICATION: PASTE THE PAPER  
WET REMOVABLE  
EMISSIONS A+  
COLOUR: NAVY BLUE SILVER  
FINISH: TEXTURED METALLIC  
THE PRODUCT CODE FOR THIS WALLPAPER IS: 902108



SECTION RENDER



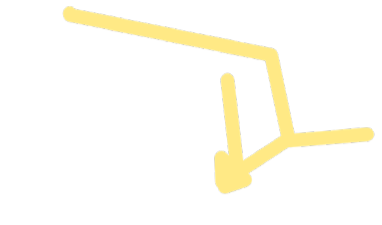
SECTION LIGHTING RENDER



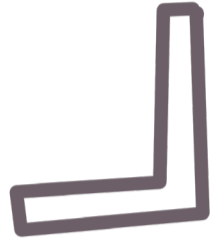
# CIRCULATION

KEY:

ESCAPE ROUTES -



FIRE WALLS -



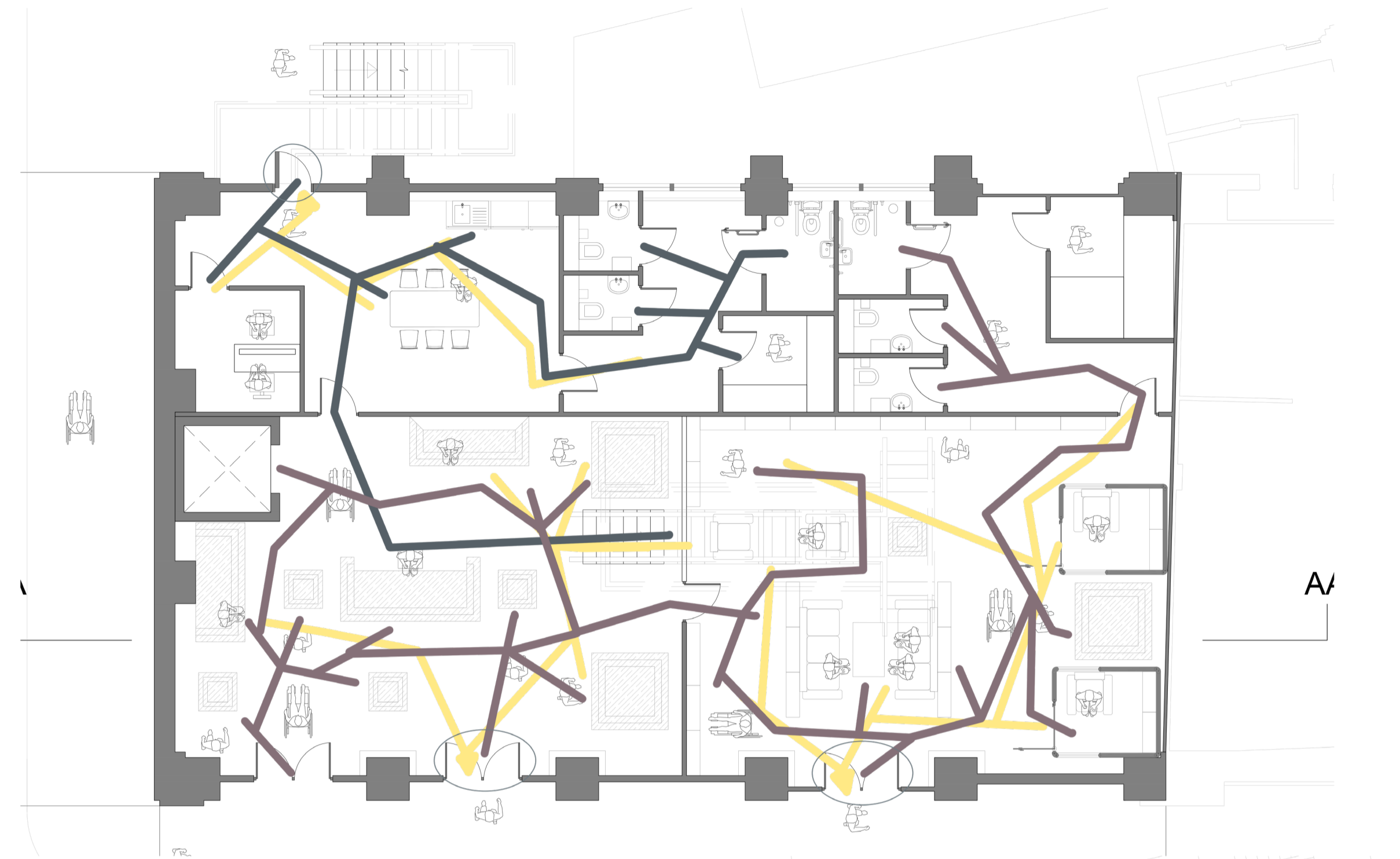
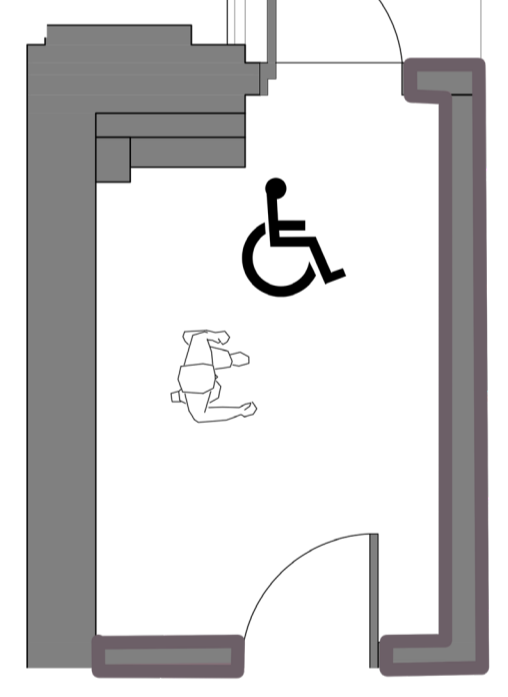
USER CIRCULATION -



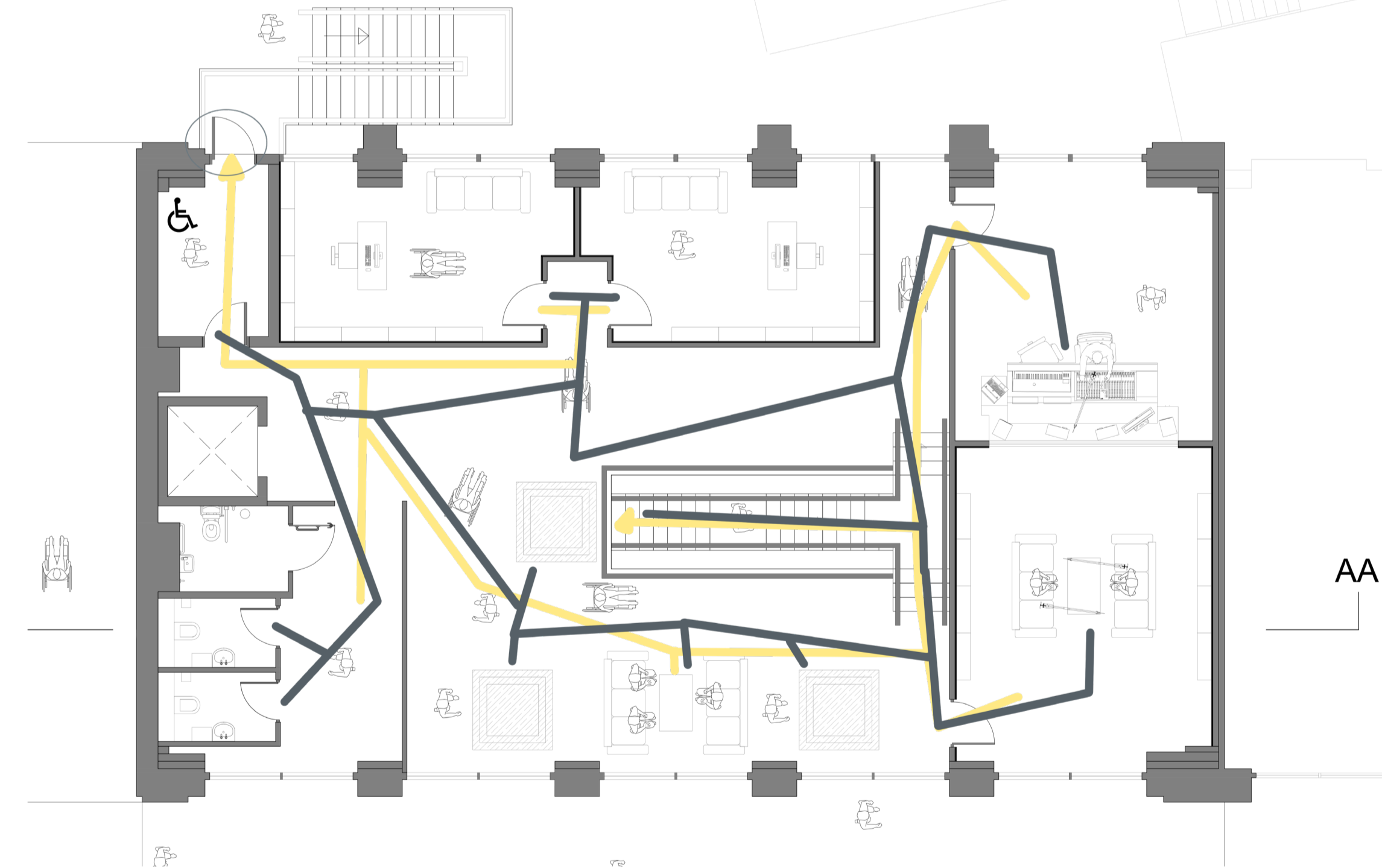
STAFF CIRCULATION -



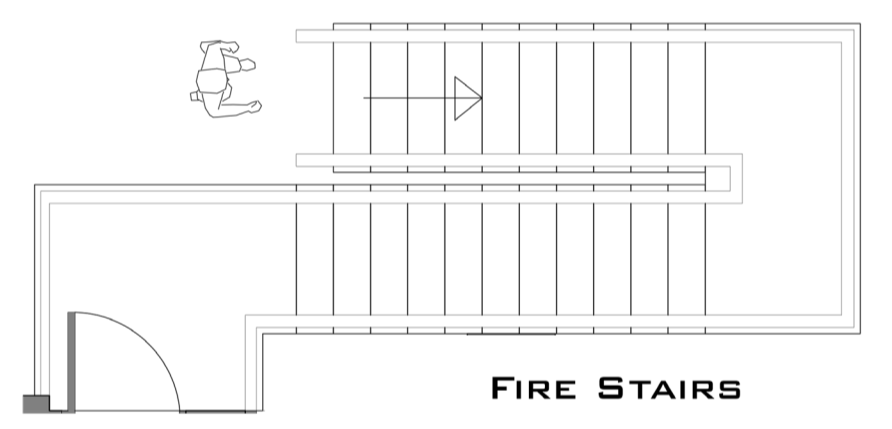
REFUGE AREA -



AA



AA

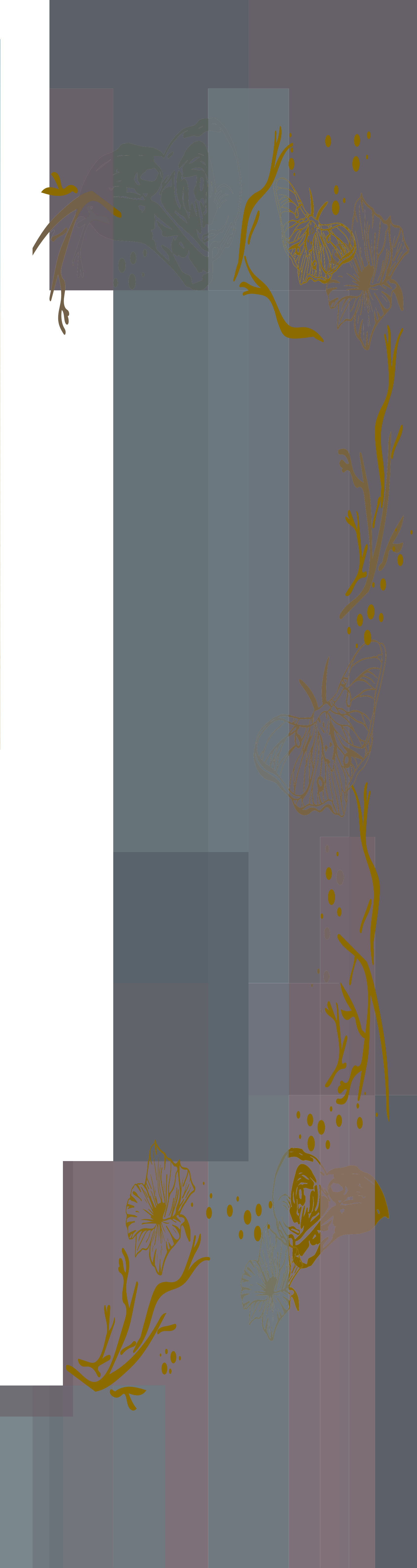
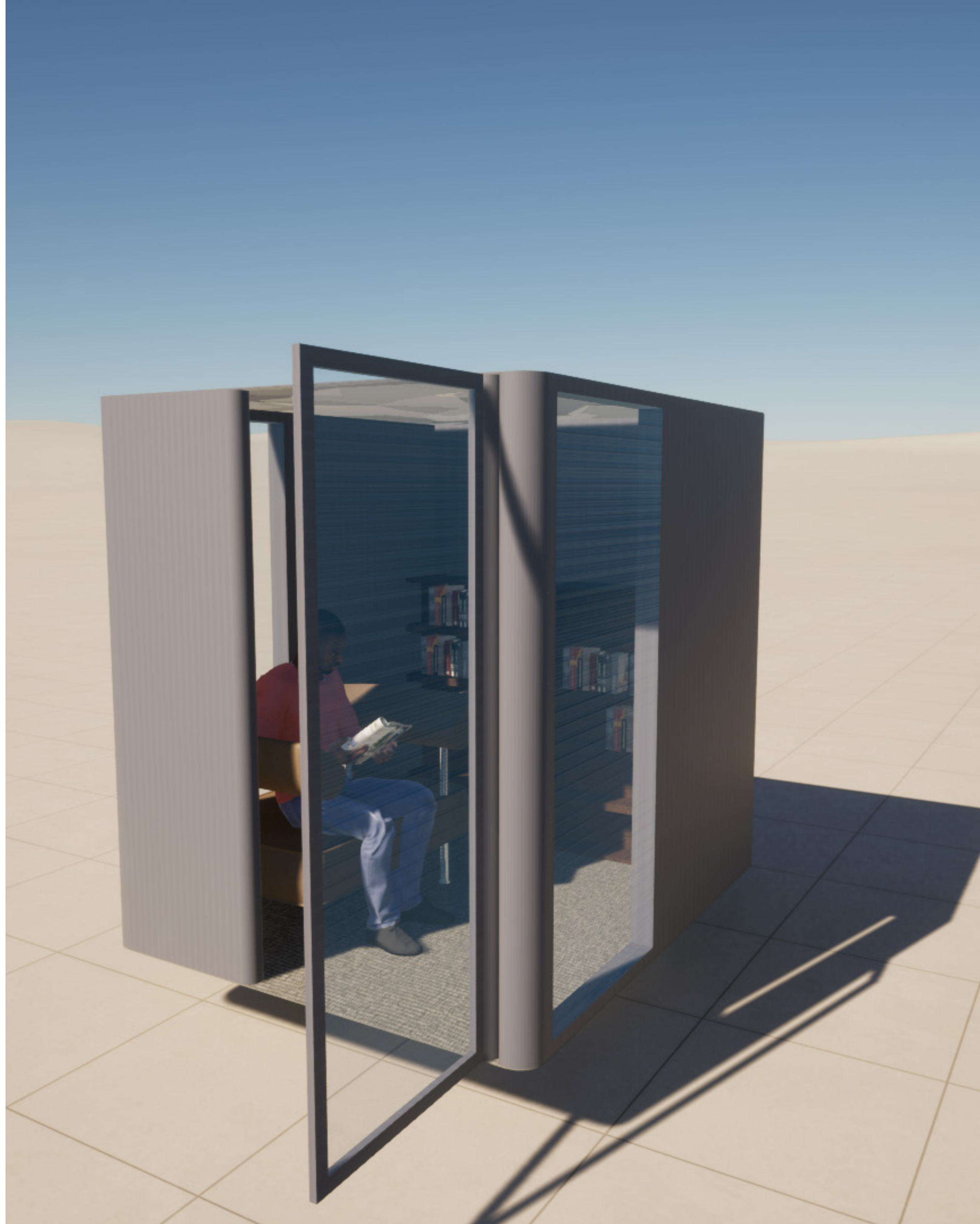
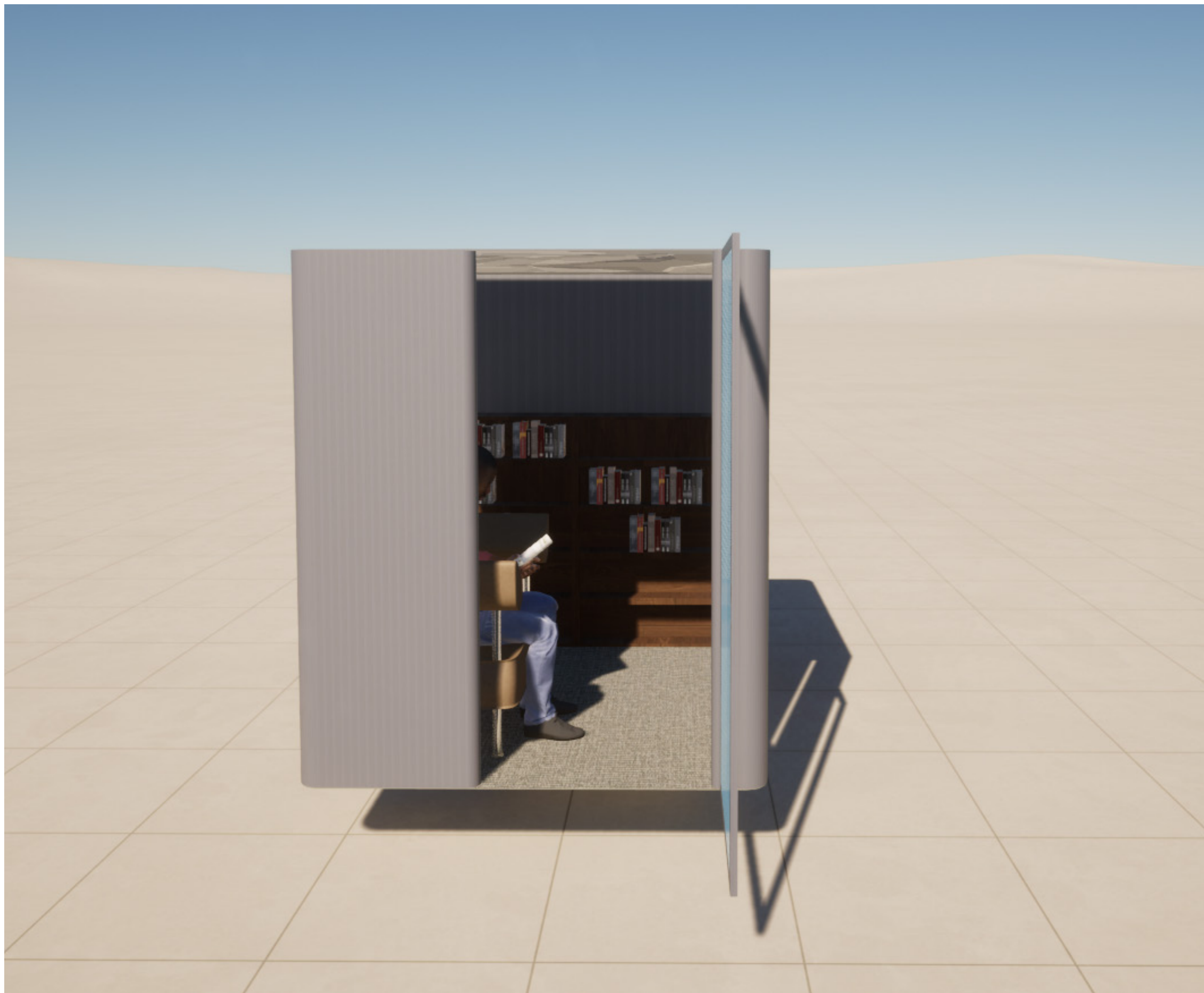
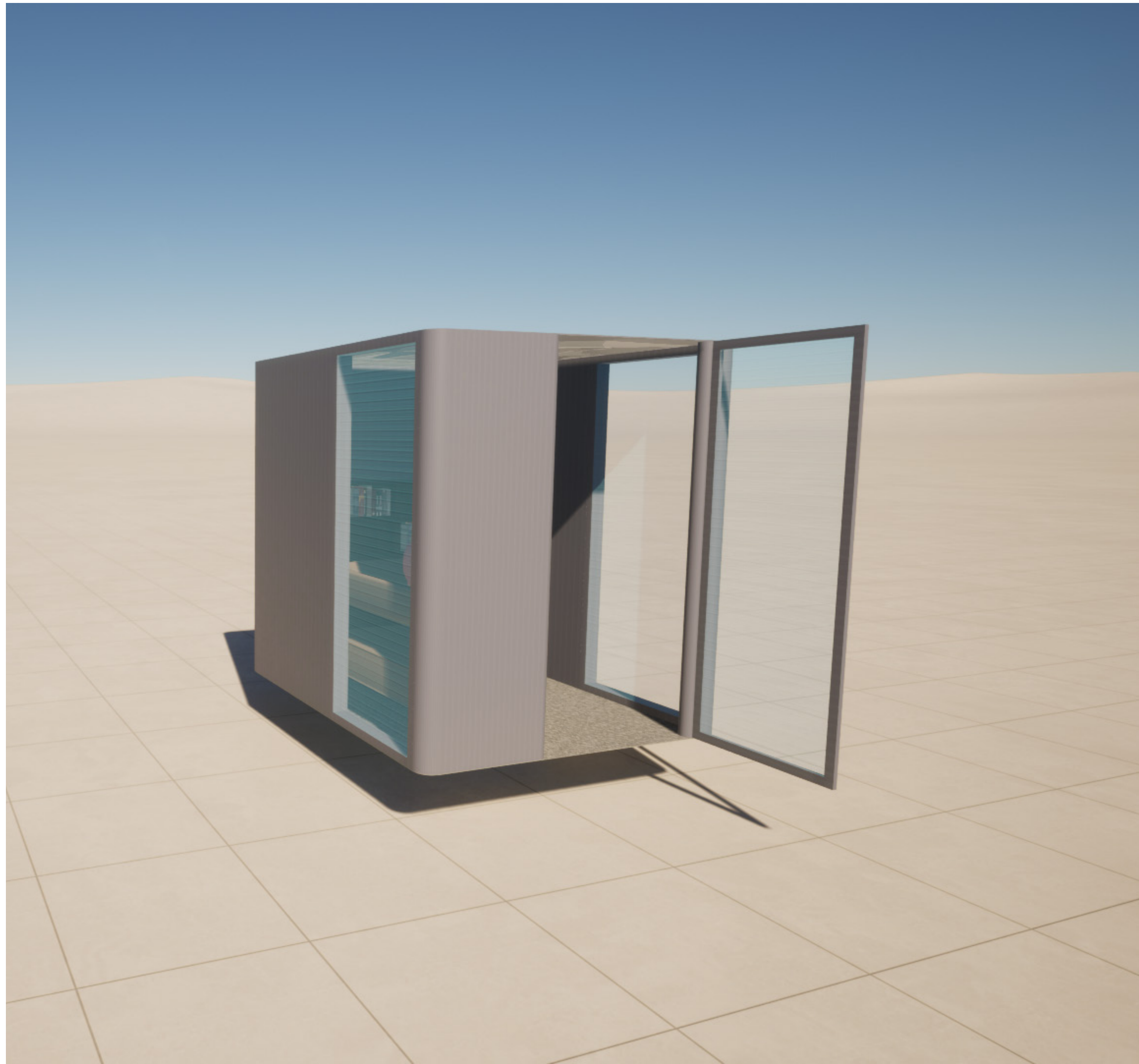


ATMOSPHERIC DRAWING

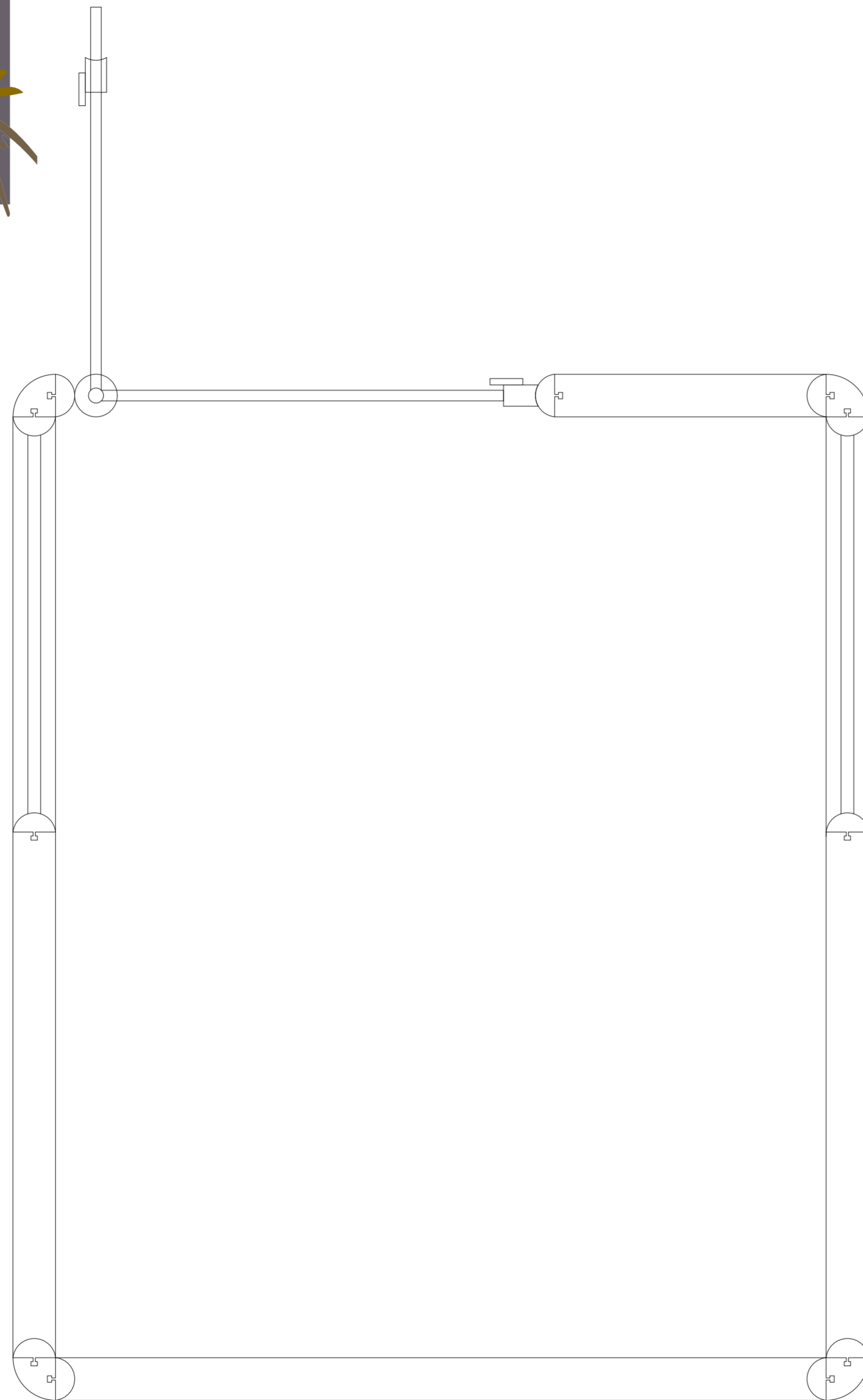


ATMOSPHERIC DRAWING



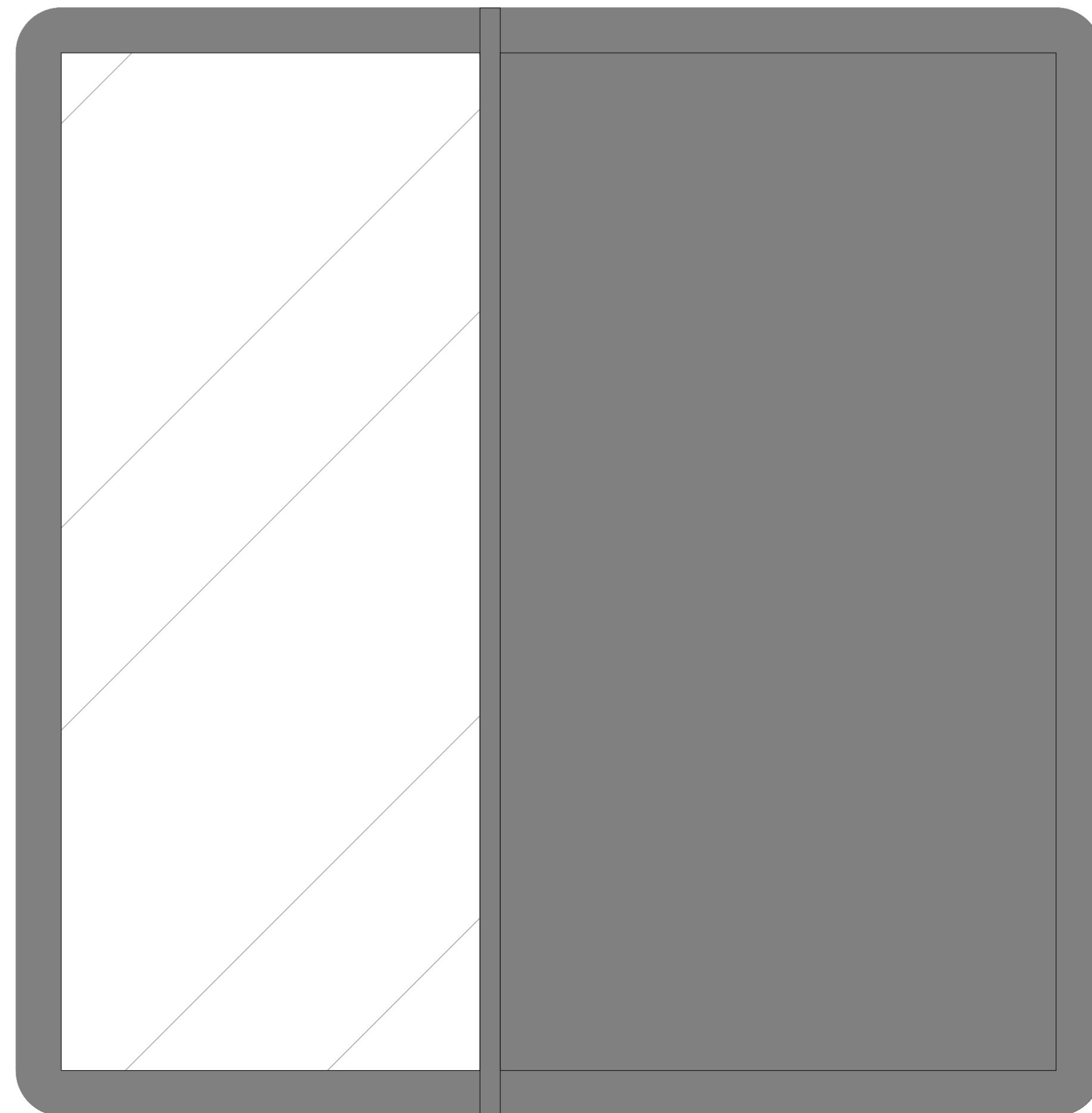


DETAIL DRAWING READINGPOD

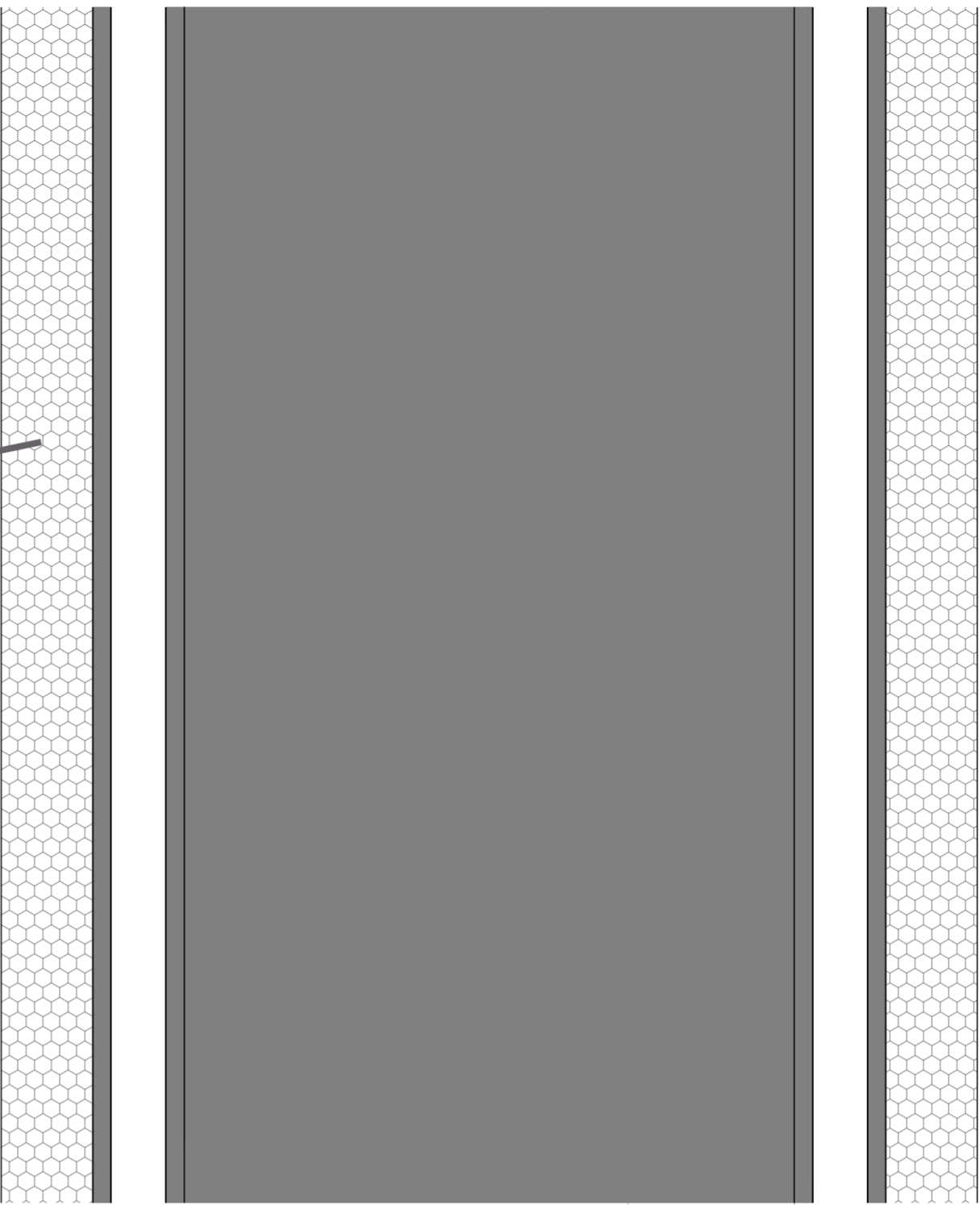
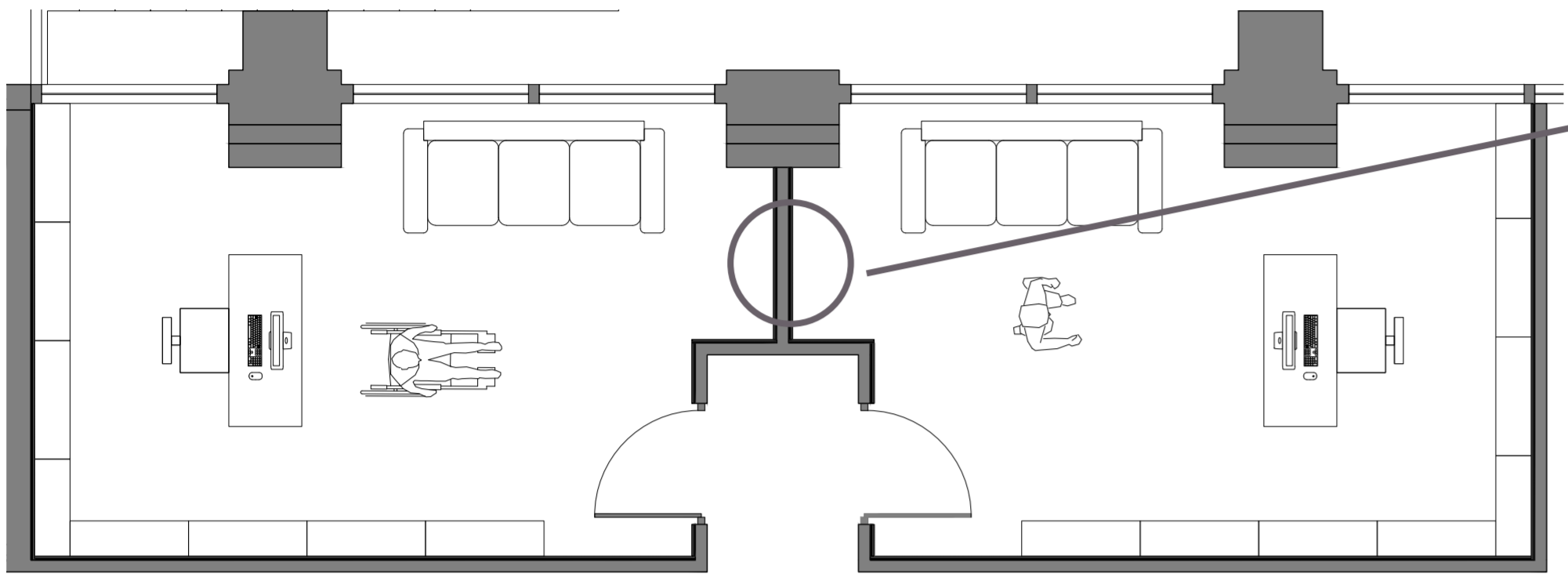


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SCALE 1:10

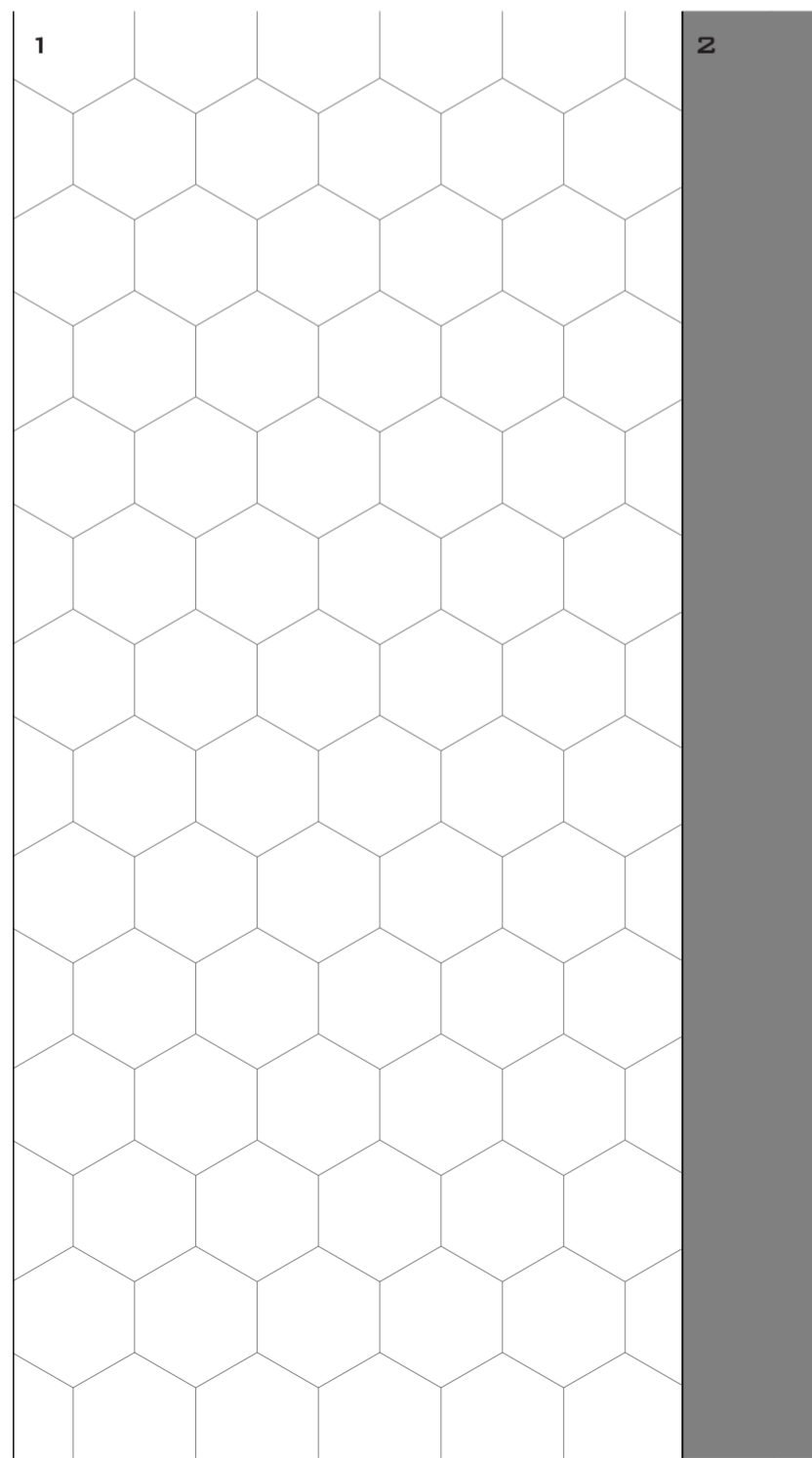


DETAIL DRAWING SOUNDBOARD



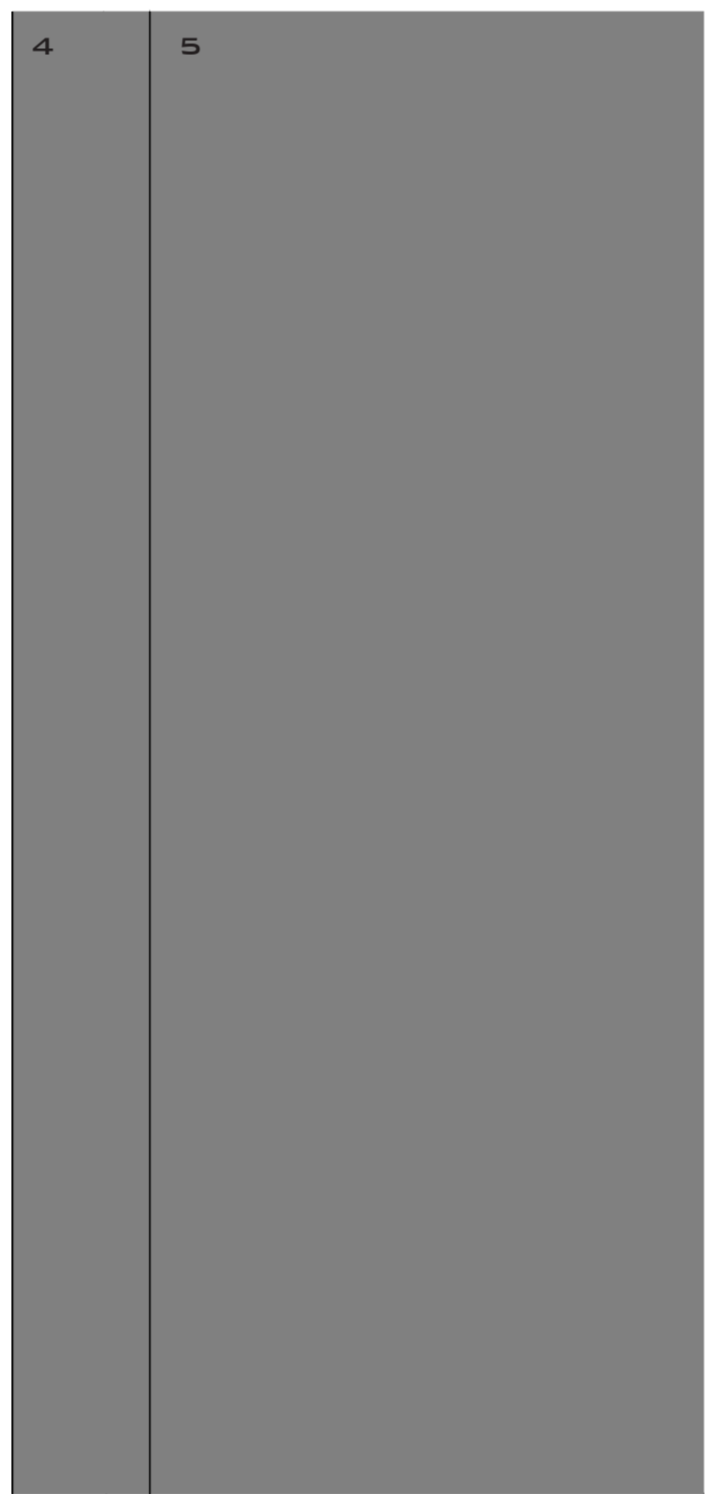
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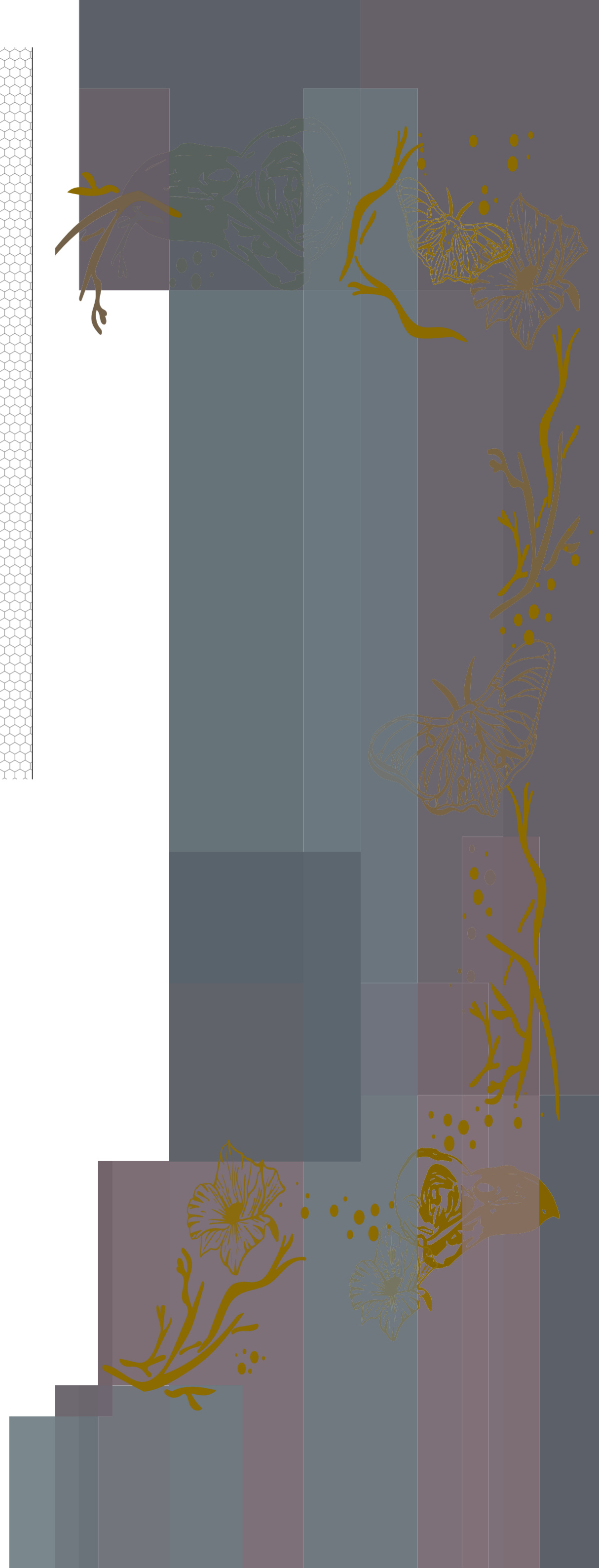
3



4

5

- 1 15MM ACOUSTIC PLASTERBOARD FINISH (READY FOR STANDARD PLASTERBOARD DECORATION).
- 2 3MM MASS LOADED VINYL (DESIGNED TO REPLACE LEAD IN SOUNDPROOFING).
- 3 9MM CLOSED CELL FOAM (DAMPENS SOUND ENERGY AND VIBRATIONS)
- 4 3MM MASS LOADED VINYL (DESIGNED TO REPLACE LEAD IN SOUNDPROOFING). AN EXTRA LAYER OF MASS LOADED VINYL FURTHER INCREASES AIRBORNE NOISE BLOCKING CAPABILITIES
- 5 100MM SOLID BRICK WALL





PHYSICAL MODELS



