

**KSR** ARCHITECTS &  
INTERIOR DESIGNERS

# 41 FROGNAL

## SECOND FLOOR LOUVRE SYSTEM

November 2020

This document has been prepared by KSR Architects to support the latest set of proposals for a light roof structure for the rear terrace on the second floor of 41 Frognal, NW3 6YD.

Further information is outlined within the following pages, which shows comparison plans and elevations of the consented scheme against the latest set of proposals.

- Free standing pergola system: the structure sits on top of the terrace slab, detached from the façade.
- Fully watertight system when louvres are closed.
- Finish colour to match zinc cladding so the structure blends with the top floor.







**IQ LOUVRE ROOF SYSTEM**

**Description**

The system is designed as a free standing element to the second floor terrace. The structural supports will be fixed to the existing RC terrace slab.

The automated louvres are built into the *roof fields*. Each *field* profile contains all motors, electrical components and a built in water collection channel.

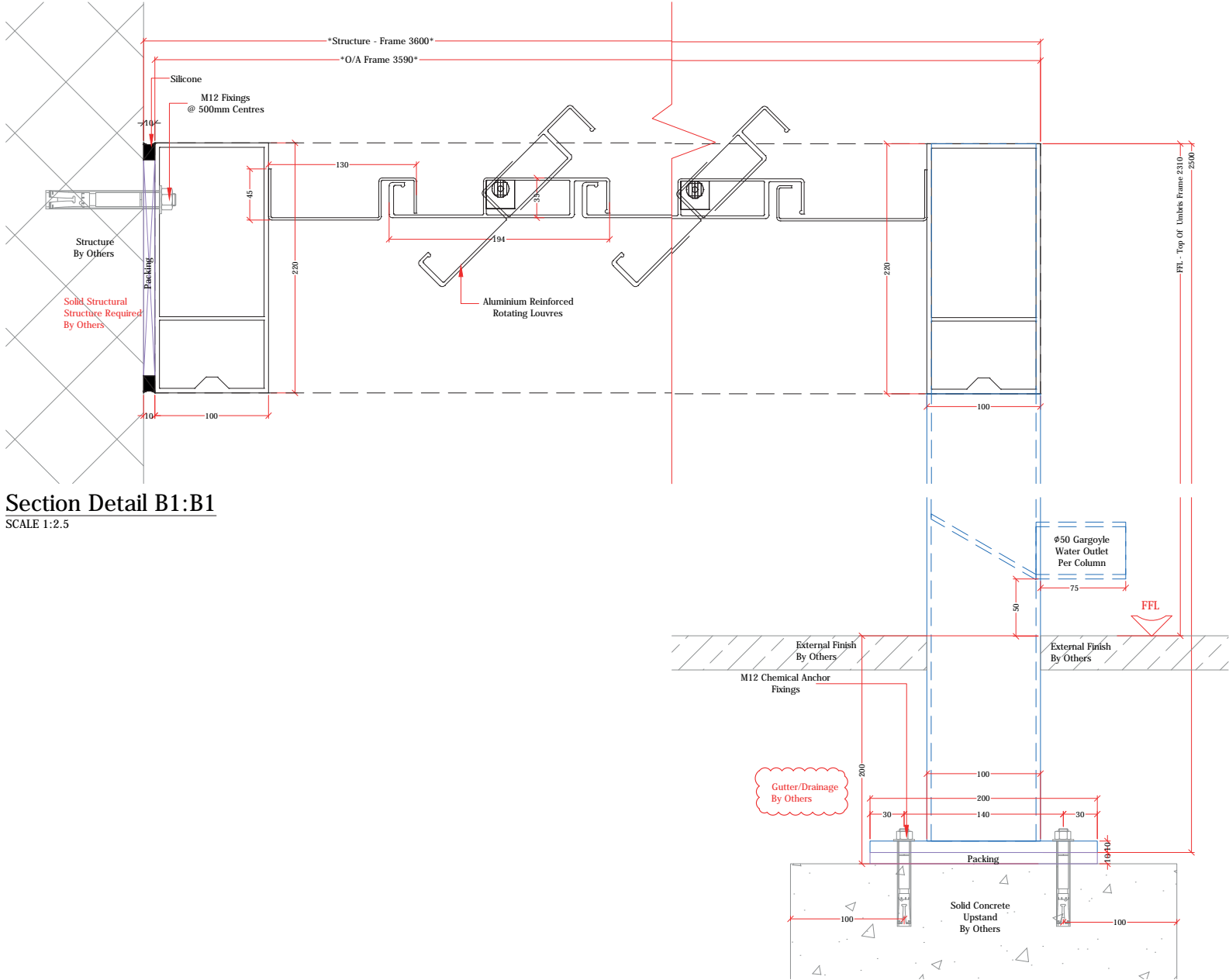
The louvres can rotate between 0° and 140°. When the louvres are closed the system is fully watertight. Any rainfall is drained to the external profile and through the leg out onto the terrace.

**Performance**

Rainfall intensity	144mm/minute
Wind resistance	120km/h when louvres closed
Snow load up to	120kg/m²

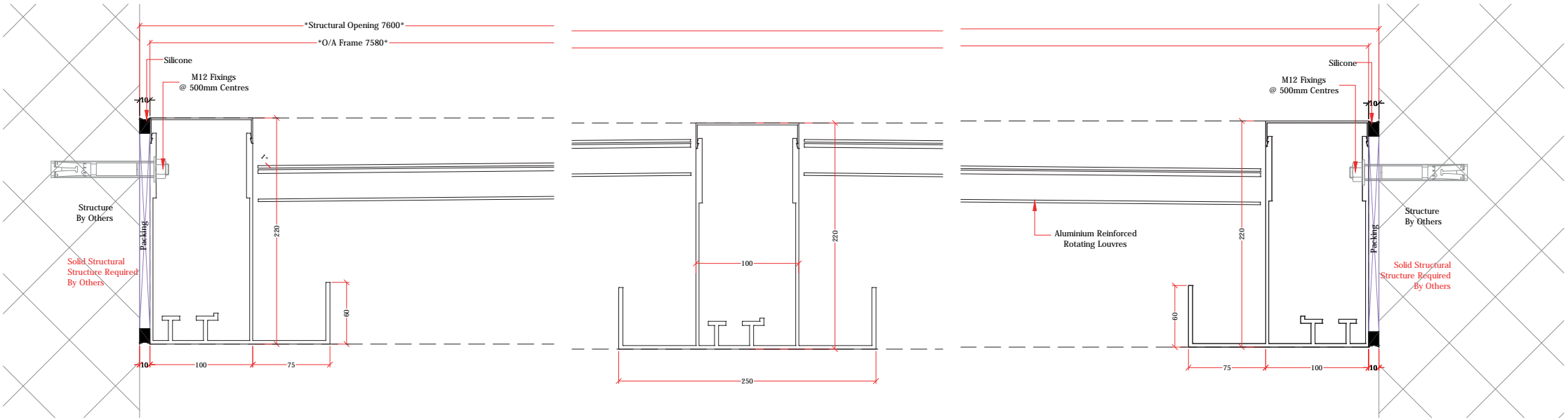
PRODUCT REFERENCES

TYPICAL DETAILS - EXAMPLE



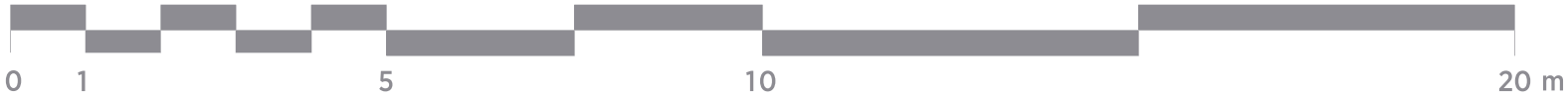
Section Detail B1:B1  
SCALE 1:2.5

Elevation  
SCALE 1:20



Section Detail A1:A1  
SCALE 1:2.5

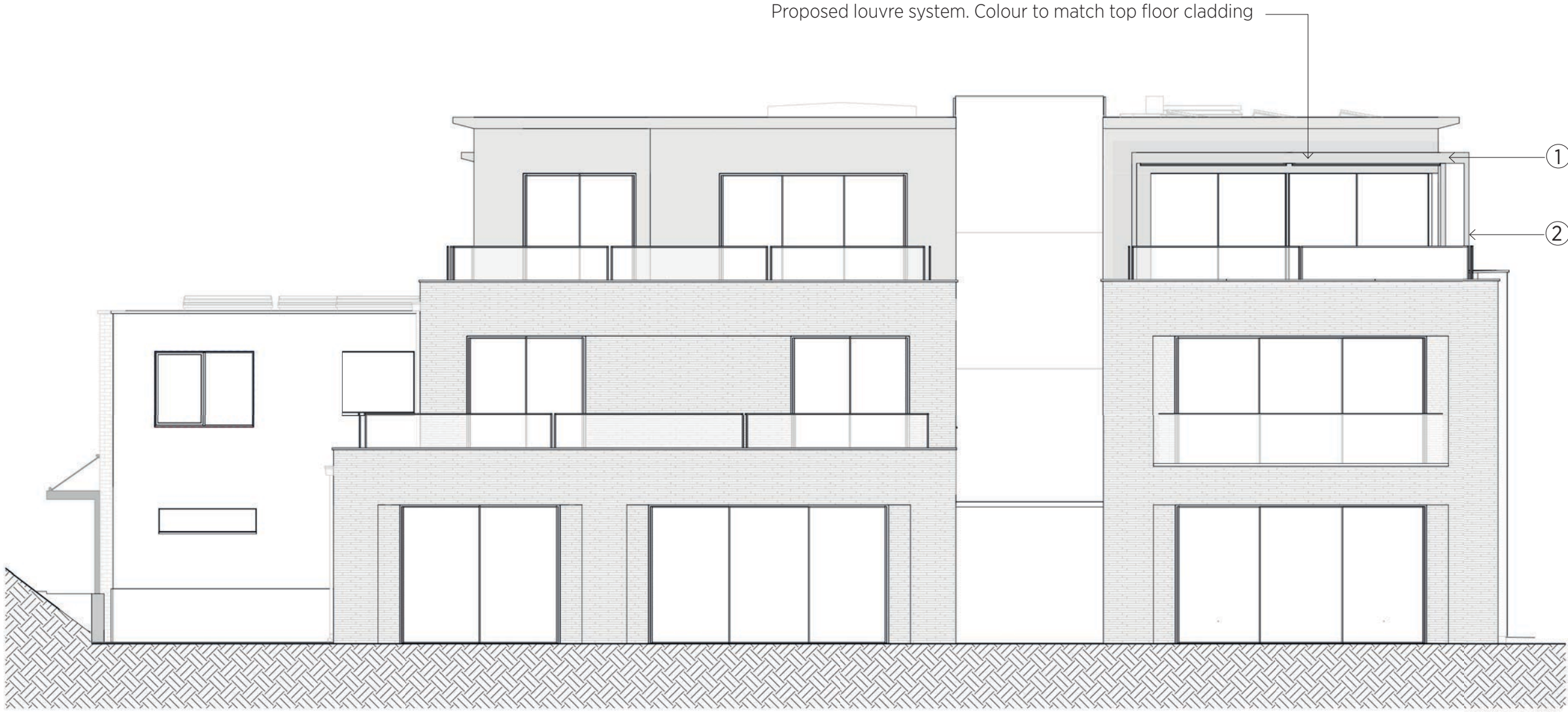
CONSENTED REAR ELEVATION  
 SCALE 1:100@A3



SCALE 1:100 @ A3



PROPOSED REAR ELEVATION  
SCALE 1:100@A3



- ① New louvered roof structure frame
- ② New louvered roof structure support



SCALE 1:100 @ A3

CONSENTED



CONSENTED REAR ELEVATION



CONSENTED SOUTH ELEVATION

PROPOSED



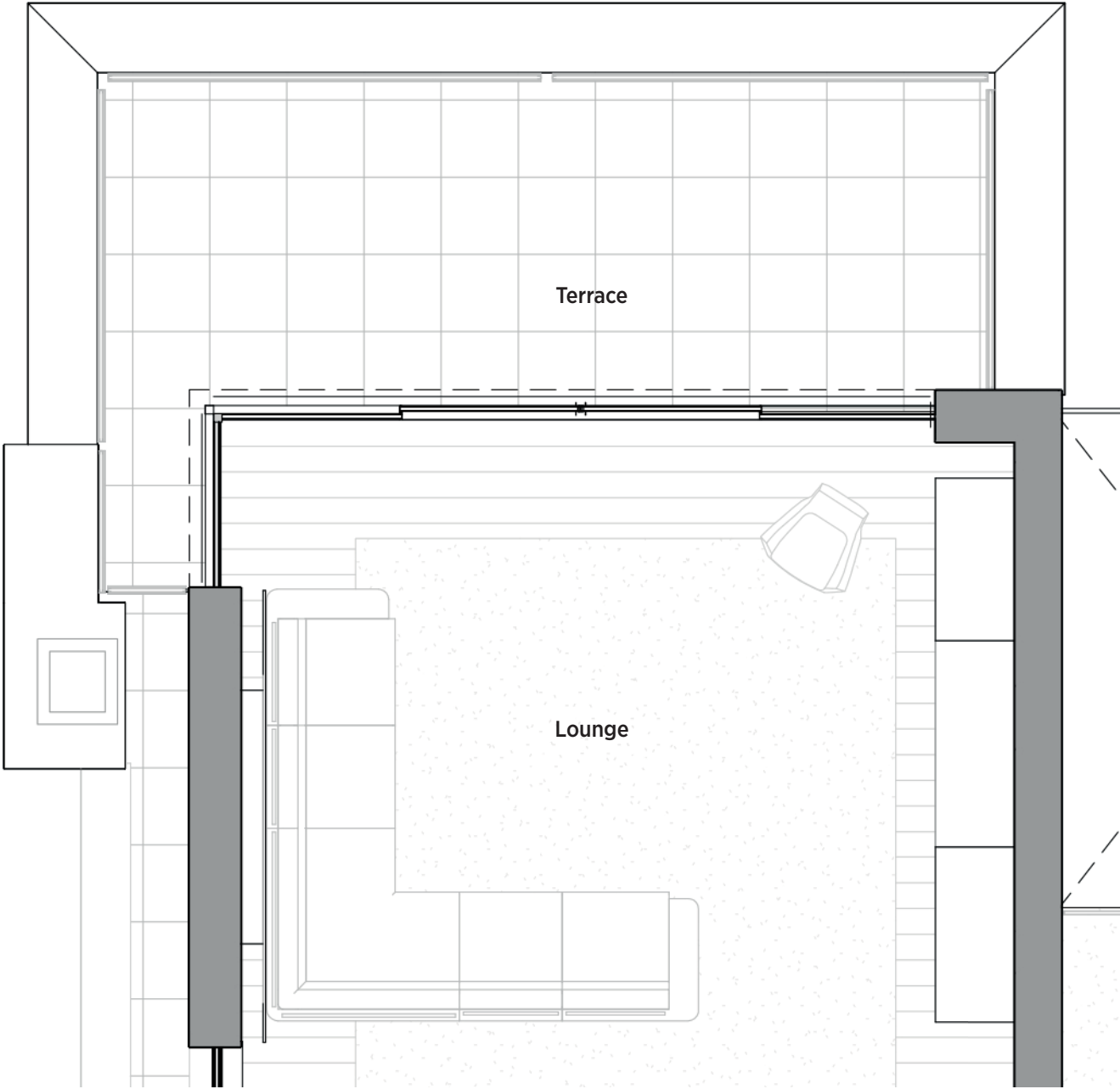
PROPOSED REAR ELEVATION



PROPOSED SOUTH ELEVATION



**CONSENTED**

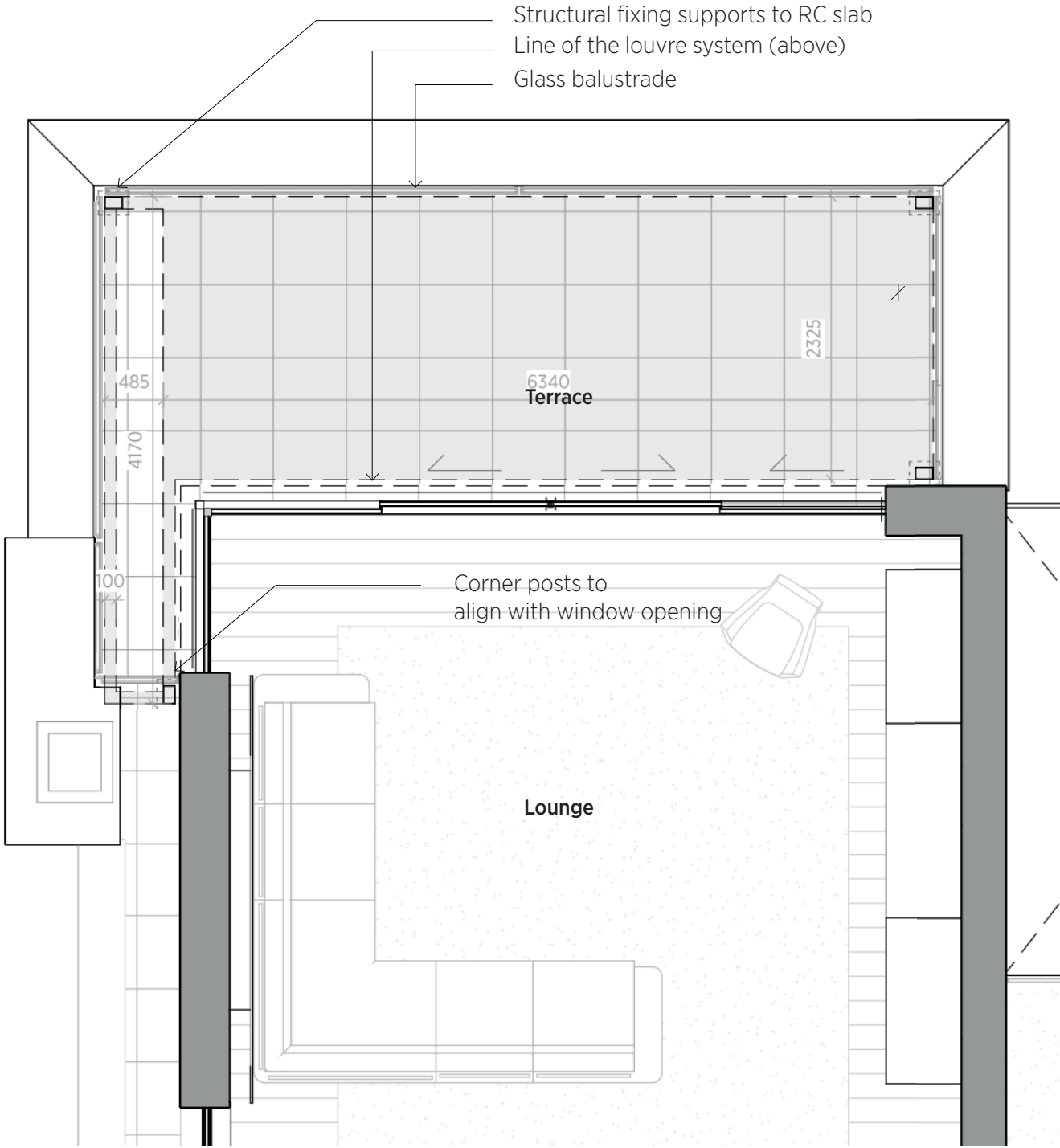


CONSENTED SECOND FLOOR PLAN



SCALE 1:50 @ A3

**PROPOSED**



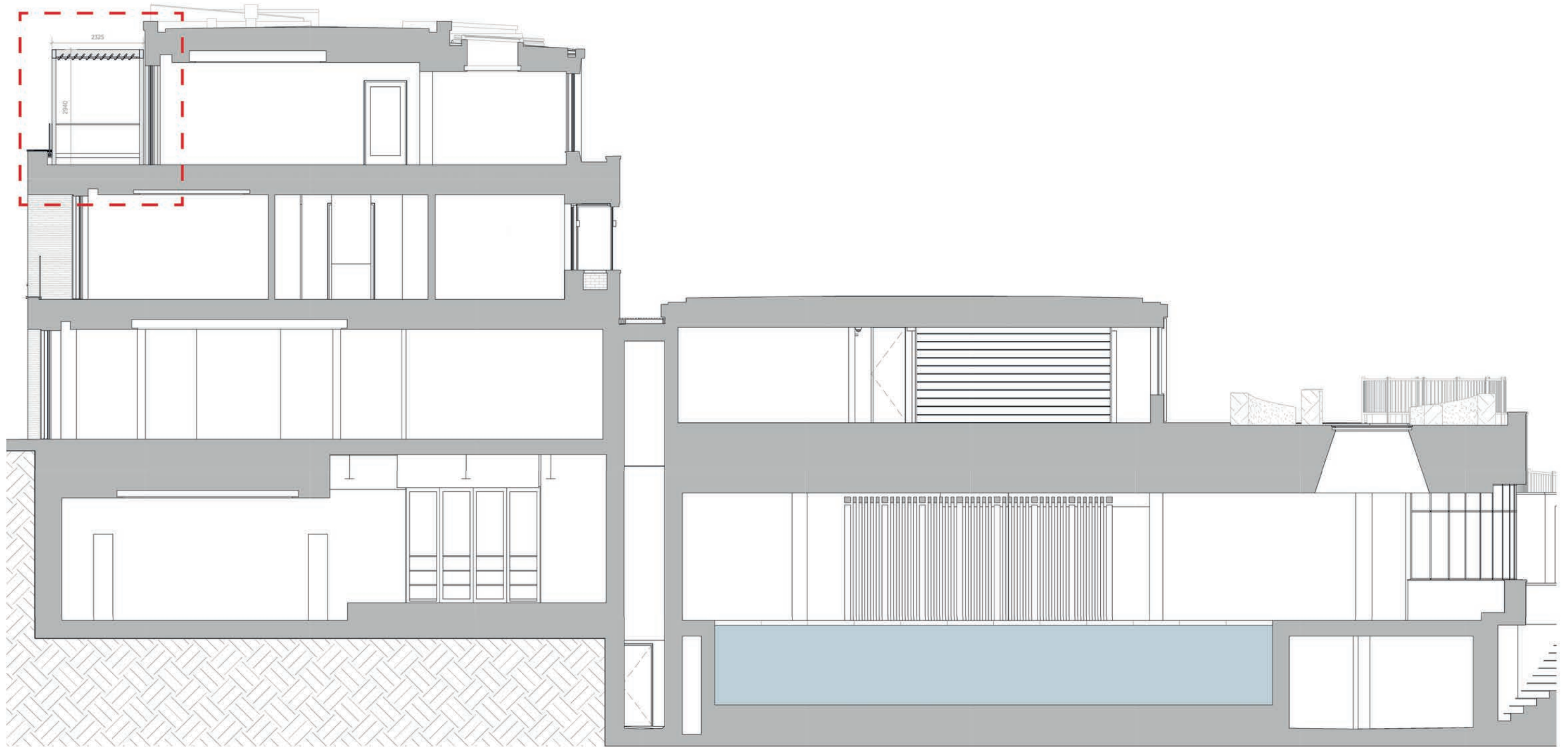
PROPOSED SECOND FLOOR PLAN

Louvre roof covered area

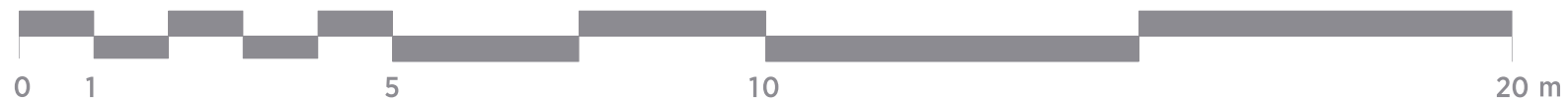
----- Location of proposal - 2nd Floor Rear Terrace

## PROPOSED SECTION

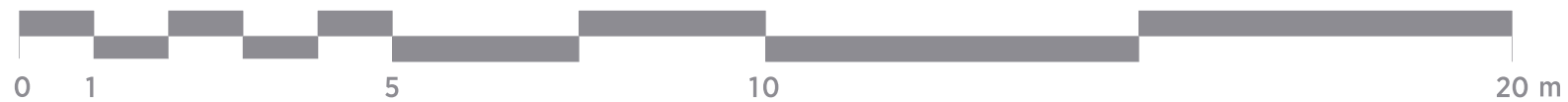
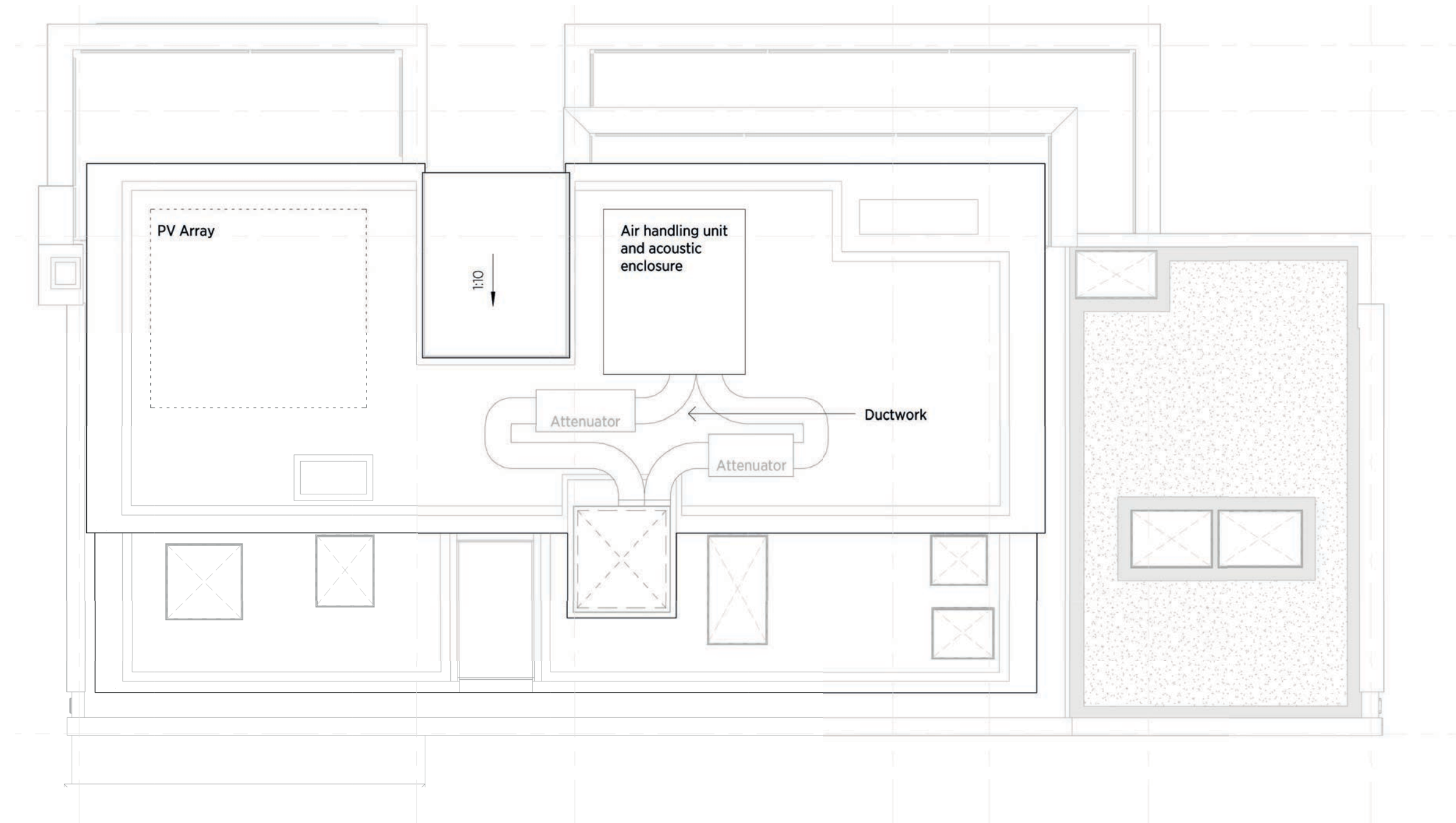
SCALE 1:100@A3



PROPOSED SECTION



SCALE 1:100 @ A3



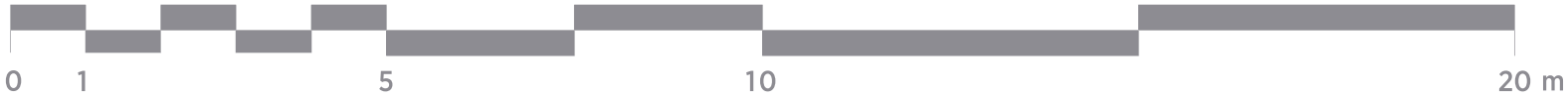
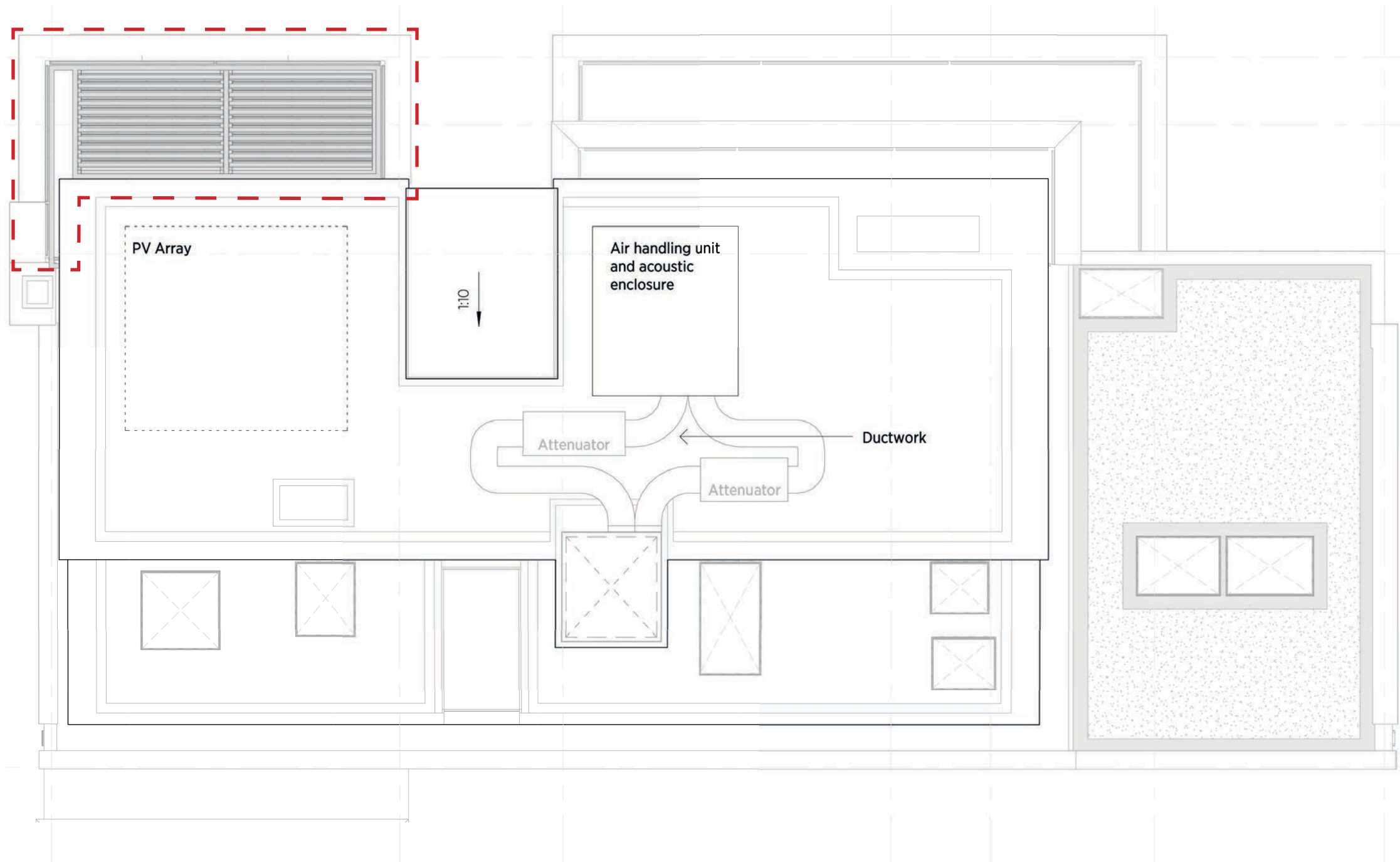
SCALE 1:100 @ A3



PROPOSED ROOF PLAN  
SCALE 1:100@A3

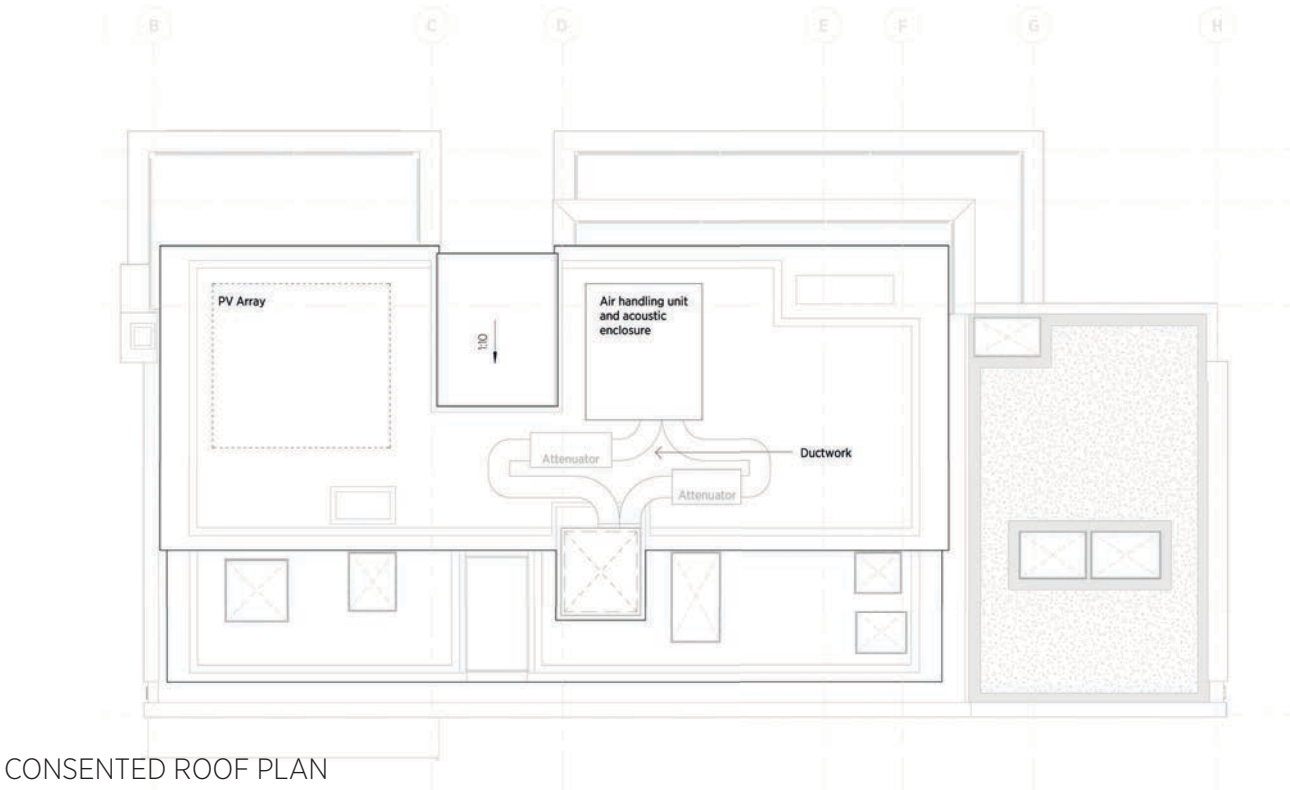


----- Location of proposal - 2nd Floor Rear Terrace



SCALE 1:100 @ A3

CONSENTED



PROPOSED

