

GENERAL
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NOTE: ALL PROPOSED MATERIALS TO MATCH EXISTING

ventilation cont.
 mechanical ventilation is to be provided in bathrooms (15 l/s) to discharge through external wall, (15min. overrun to be provided to bathroom with no window, controlled via light switch, 10mm air gap to be provided below door) mechanical ventilation is to be provided in kitchen (60 l/s) to discharge through external wall, background ventilation of 8000mm² to be provided either by air brick or trickle vents over window frame within all rooms.

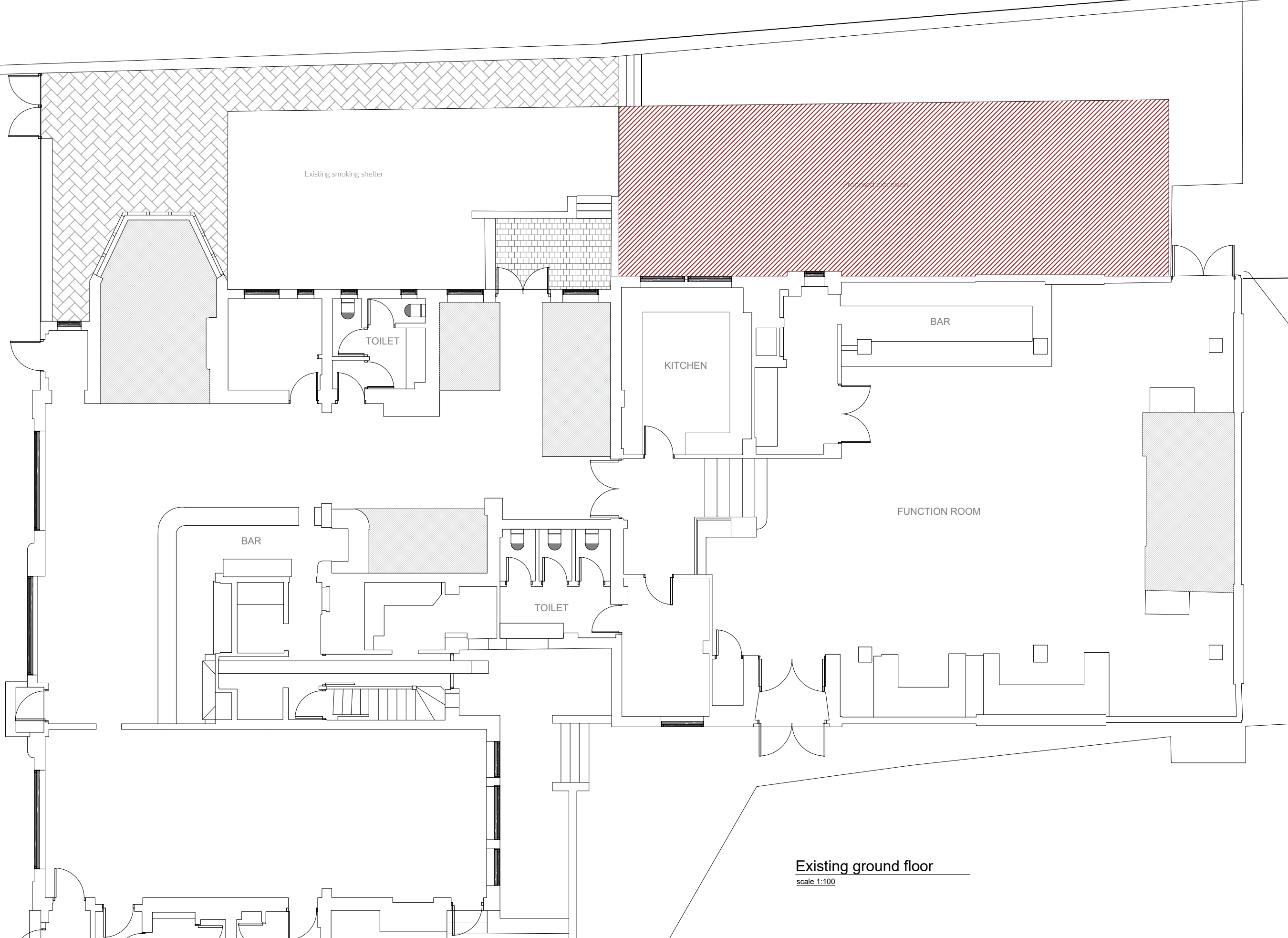
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Existing ground floor
 scale 1:100

CLIENT
Mr Khalid Naseri "Shiraz"

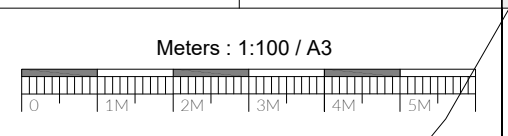
PROJECT
830 Uxbridge Rd, Hayes UB4 0RR

SCALE **1:100 / A3** DRAWING NO/REV. **02**
 DATE **February 2023** DRAWN **TAHER**

Floor plan it, design and build

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DRAWING TITLE
Proposed extension



4 Roundwood Ave,
 The Bower, Stockley Park, UB11 1AF
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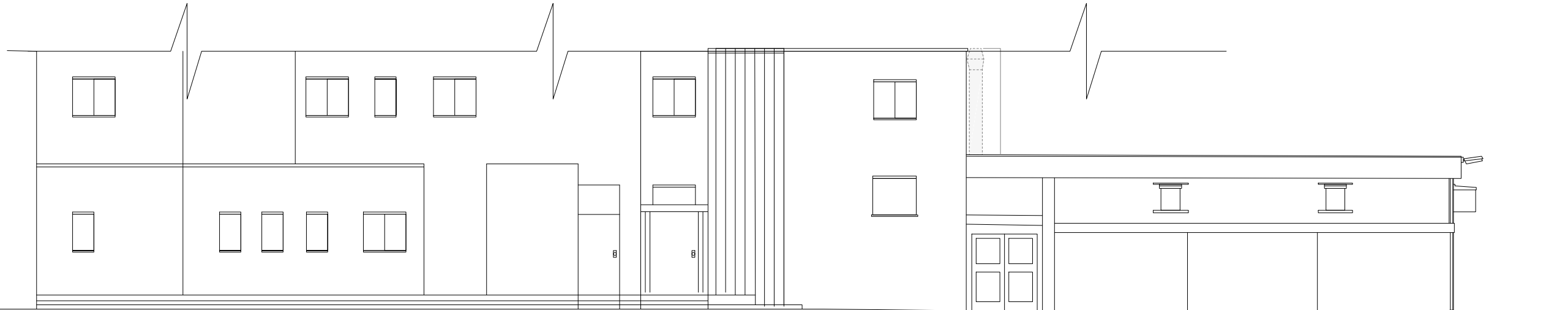
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Proposed East facing Side elevation

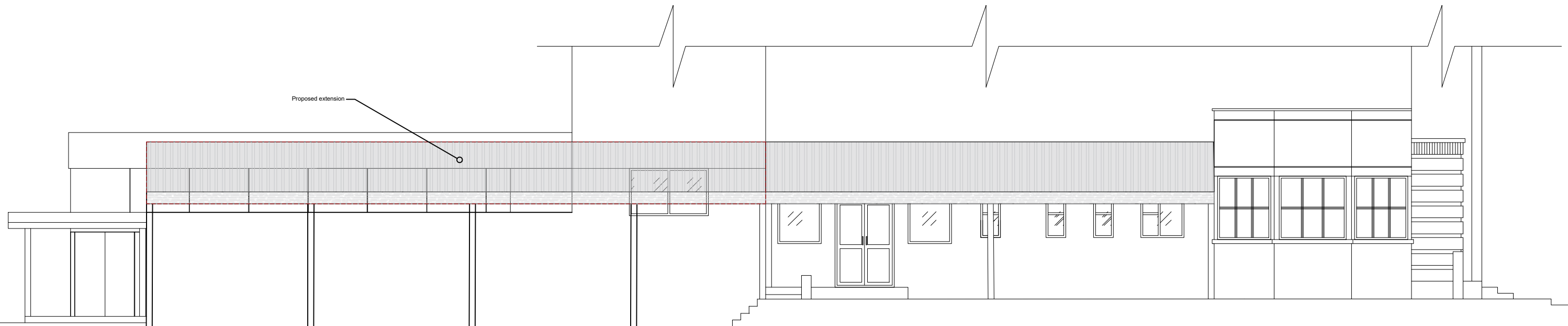
scale 1:100



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Proposed West facing elevation

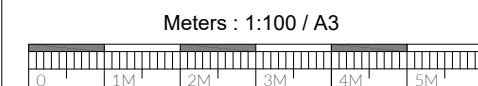
scale 1:100



Mr Khalid Naseri "Shiraz"	PROJECT	830 Uxbridge Rd. Hayes UB4 0RR	SCALE	1:100 / A3	DRAWING NO. REV.	02
			DATE	February 2023	DRAWN	TAHER

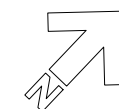
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DRAWING TITLE
Proposed Elevations East and west facing



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Proposed front elevation

scale 1:100

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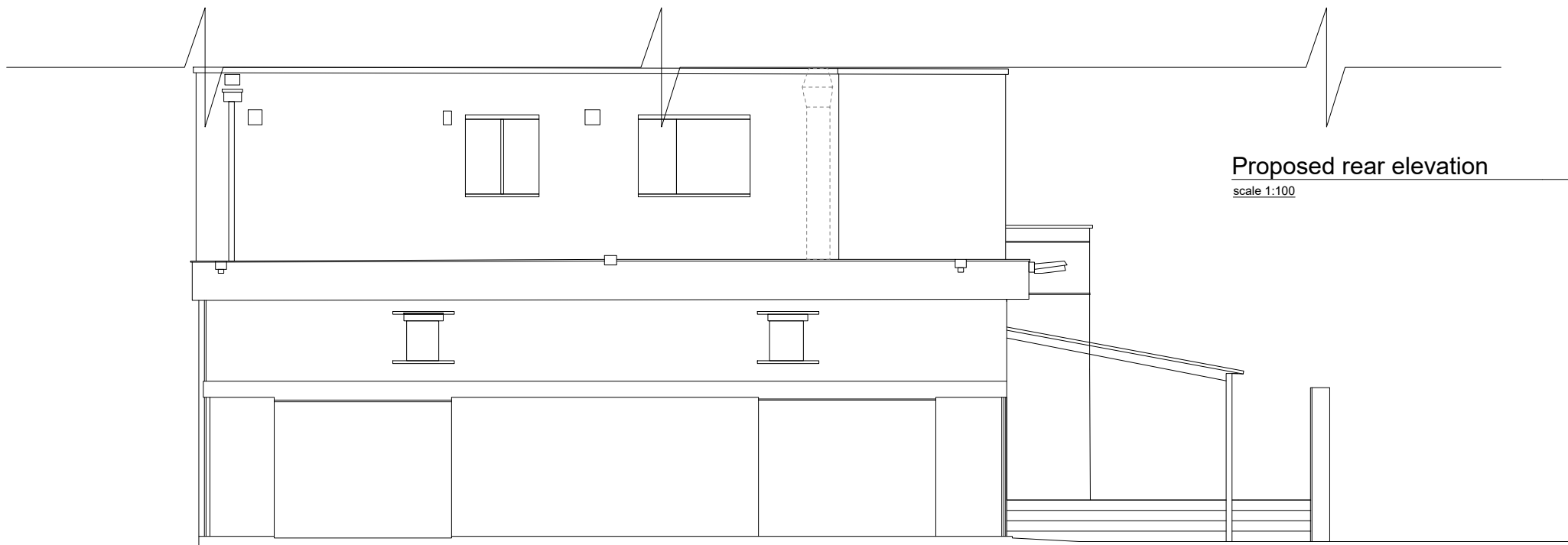
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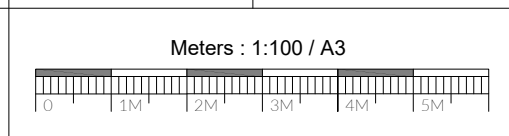
Proposed rear elevation

scale 1:100

CLIENT Mr Khalid Naseri "Shiraz"	PROJECT 830 Uxbridge Rd. Hayes UB4 0RR	SCALE 1:100 / A3	DRAWING NO. REV. 02	Floor plan it, design and build
		DATE February 2023	DRAWN TAHER	

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DRAWING TITLE
Front and rear Elevations



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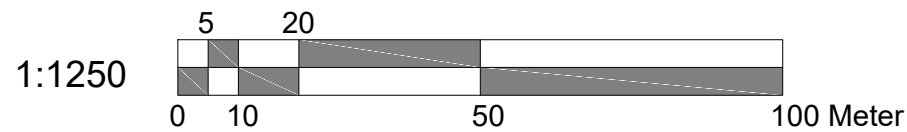
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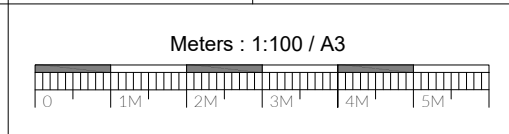
LOCATION PLAN 1:1250



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		DATE February 2023	DRAWN TAHER	

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DRAWING TITLE
**Location plan
1:1250**



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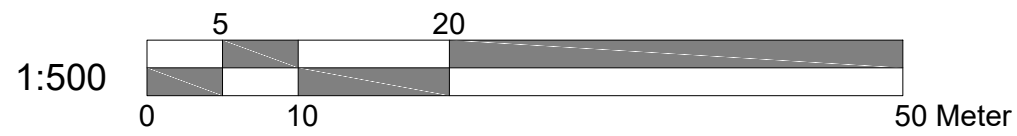
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Proposed extension

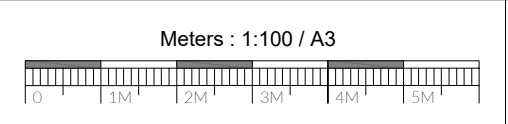
BLOCK PLAN 1:500



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DRAWING TITLE
Block plan 1:500



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1. Unique identification code of the product-type	UK-WER-0205-02_english
2. Intended use of the construction product as foreseen by the manufacturer, in accordance with the applicable harmonised technical specification	Thermal insulation for buildings
3. Name, registered trade name or registered trade mark and contact address of the manufacturer, as required pursuant to Article 11(5) of regulation (EU) No. 305/2011	ROCKWOOL® Limited Pencoed, Bridgend, CF35 6NY
4. Applicable System or Systems of Assessment and Verification of Constancy of Performance (AVCP)	SYSTEM 1 for uses subject to regulations on reaction to fire SYSTEM 3 for all other intended uses
5. Harmonised Standard reference number and date of issue	BS EN 13162:2012 +A1 2015 Issued on 28 February 2013
6. Notified Body identification number	0066
7. Declared Performances	Please refer to the table below (NPD – No Performance Determined)

Essential Characteristics	Requirement clauses in this European Standard	Level and/or classes	Declared value
Reaction to fire Euroclass characteristics	4.2.6 Reaction to fire	Euroclasses	A1
Release of dangerous substances to the indoor environment	4.3.13 Release of dangerous substances	–	NPD
Acoustic absorption index	4.3.11 Sound absorption	Declared $\alpha_{w,0.5}$	NPD
Impact noise transmission index (for floors)	4.3.9 Dynamic stiffness	Declared s'	NPD
	4.3.10.2 Thickness, d_L	Declared d_L and T Class	NPD
	4.3.10.4 Compressibility c	Declared c and CP Level	NPD
Direct airborne sound insulation index	4.3.12 Air flow resistivity	Declared $A_{F,R}$	NPD
	4.3.12 Air flow resistivity	Declared $A_{F,R}$	NPD
Continuous glowing combustion	4.3.15 Continuous glowing combustion	–	NPD
	4.2.1 Thermal resistance and thermal conductivity	Declared R_{SI} and/or λ_{SI}	$\lambda_{SI}(900) = 0.038$ W/mK
Thermal resistance	4.2.2 Length and width	Declared l and b	
	4.2.3 Thickness	Declared d or tolerance class T 14	
	4.2.4 Squareness	Declared S_{90}	± 2.5 per 500mm
	4.2.5 Flatness	Declared S_{max}	± 5 mm
	4.3.7.1 Short term water absorption	Declared W_{IP}	NPD
Water permeability	4.3.7.2 Long term water absorption	Declared W_{LP}	NPD
Water vapour permeability	4.3.8 Water vapour transmission	Declared μ or Z	MU1
Dimensional stability	4.3.2 Dimensional stability	Declared ΔS	
Compressive strength	4.3.3 Compressive stress or compressive strength	Declared CS Level	NPD
	4.3.5 Point load	Declared F_p	NPD
Durability of reaction to fire against heat, weathering, ageing/degradation	4.2.7 Durability characteristics ^{a)}	^{b)}	NPD
	4.2.1 Thermal resistance and thermal conductivity	Declared R_{SI} and/or λ_{SI}	^{c)}
Durability of thermal resistance against heat, weathering, ageing/degradation	4.2.7 Durability characteristics	^{d)}	NPD
	4.3.4 Tensile strength perpendicular to faces ^{e)}	Declared TR Level	NPD
Durability of compressive strength against ageing/degradation	4.3.6 Compressive creep	Declared ΔR and ΔS	NPD

a) No change in reaction to fire properties for mineral wool products.
 b) The fire performance of mineral wool does not deteriorate with time. The Euroclass classification of the product is related to the organic content, which cannot increase with time.
 c) Thermal conductivity of mineral wool products does not change with time, experience has shown the fibre structure to be stable and the porosity contains no other gases than atmospheric air.
 d) For dimensional stability thickness only.
 e) This characteristic also covers handling and installation.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

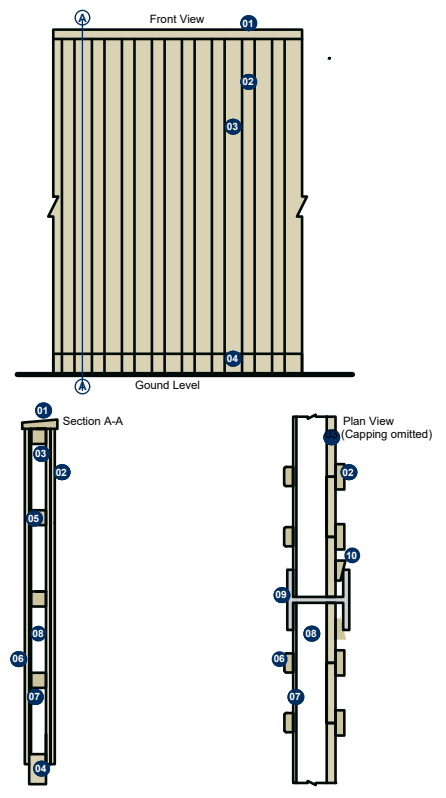
Signed for and on behalf of the manufacturer by:

Ian Kellie
Production Director

At Bridgend on 10th July 2019

JCW Absorbent Sound Screen

FITTED INTO TIMBER OR STEEL POSTS - SUITABLE FOR INDUSTRIAL AND COMMERCIAL ENCLOSURES (MAX HEIGHT 6M)



- 01 Capping Rail
 - 02 Cover Strips
 - 03 Boards
 - 04 Gravel Board
 - 05 Rail
 - 06 Vertical Balcons
 - 07 Geotex
 - 08 Absorber
 - 09 Post
 - 10 Site Fix Wedges (optional for steel post only)
- Please Note**
- Structural calculations may be required by qualified persons, no responsibility can be accepted by using this design without professional advice. Maximum height of 6 metres.
 - Conforms and tested to BS EN 1793. Also tested and complies to BS EN 1794-1 and BS EN 1794-2.
 - Complies with Highways Sector Scheme 2C for the prefabrication of environmental barriers.
 - Design in accordance with specification for Highway Works Clause 2504. Treatment to Sector Scheme 4.
 - Height of sound screen variable to suit specific locations. Post centres at 2.4m or 3.0m unless otherwise specified.
 - Absorbent sound screens can also be fitted to timber posts as an alternative.

JCW Absorbent Sound Screen fitted into steel posts. BS EN 1793-1: 1998. Acoustics - Road traffic noise reducing devices. Test method for determining the acoustic performance.

Size: 12m²

Receiving Room

Volume: 220m³

Condition: Clean

Type: Large Reverberation Room

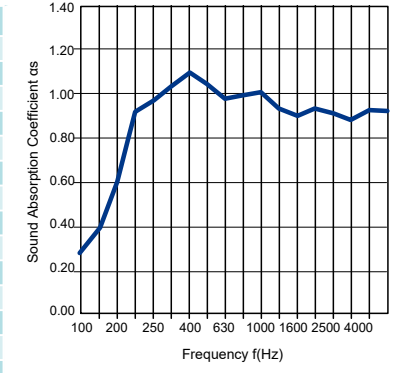
Location: Acoustic Transmission Suite

Sample Out:	Temperature: 20.1°C	Humidity: 48.5%
Sample In:	Temperature: 22.4°C	Humidity: 51.7%

DLα: 12

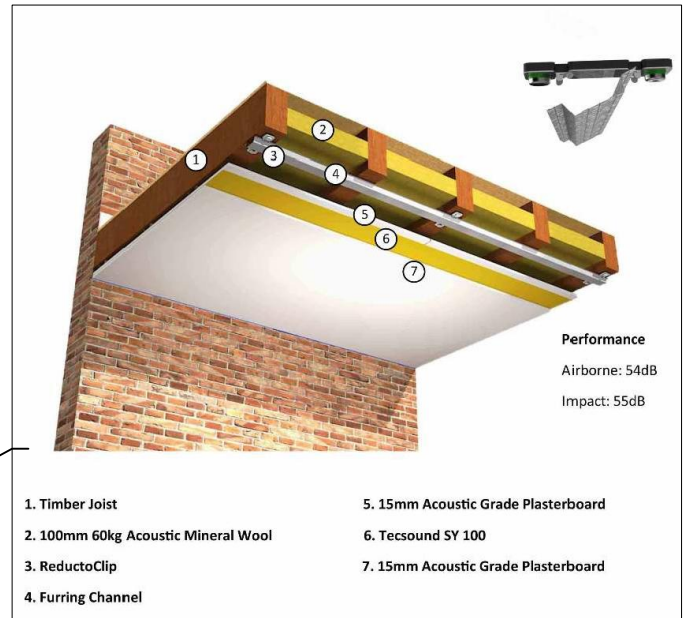
Category: A4

Frequency HZ	α
100	0.27
125	0.40
160	0.62
200	0.90
250	0.94
315	1.03
400	1.10
500	1.06
630	0.97
800	0.99
1000	1.00
1250	0.90
1600	0.89
2000	0.92
2500	0.90
3150	0.87
4000	0.92
5000	0.91



Test results for JCW Absorbent Sound Screen issued by: University of Salford (Acoustics Test Laboratory) UKAS accredited test laboratory No. 1262

Test reference number: AC09/215/15



1. Timber Joist
2. 100mm Acoustic Mineral Wool
3. ReductoClip
4. Furring Channel
5. 15mm Acoustic Grade Plasterboard
6. Tecsound SY 100
7. 15mm Acoustic Grade Plasterboard

100mm Acoustic Mineral Wool added between the timber battens. This absorbs airborne sound in the cavity partitions of timber joists, significantly improving acoustic performance and reducing reverberation

ReductoClips - able to withstand greater loads than standard clip systems, resulting in 1/3 less clips and a more cost effective system

Reducto Furring Bar which outperforms standard resilient bar constructions by up to 7dB

Acoustic grade plasterboard (15mm) - 50% denser than standard 12.5mm plasterboard. With a mass of 12.6kg per m² which reflects and converts high levels of sound energy into heat

Tecsound SY 100 (self-adhesive) a specially developed thin 10kg per m² soundproofing material

Acoustic grade (15mm) plasterboard - a further layer to increase airborne noise blocking capabilities

Sound insulation to prevent any noise bleeding through to the HMO above

JCW Acoustic barrier between the HMO and Shisha terrace