

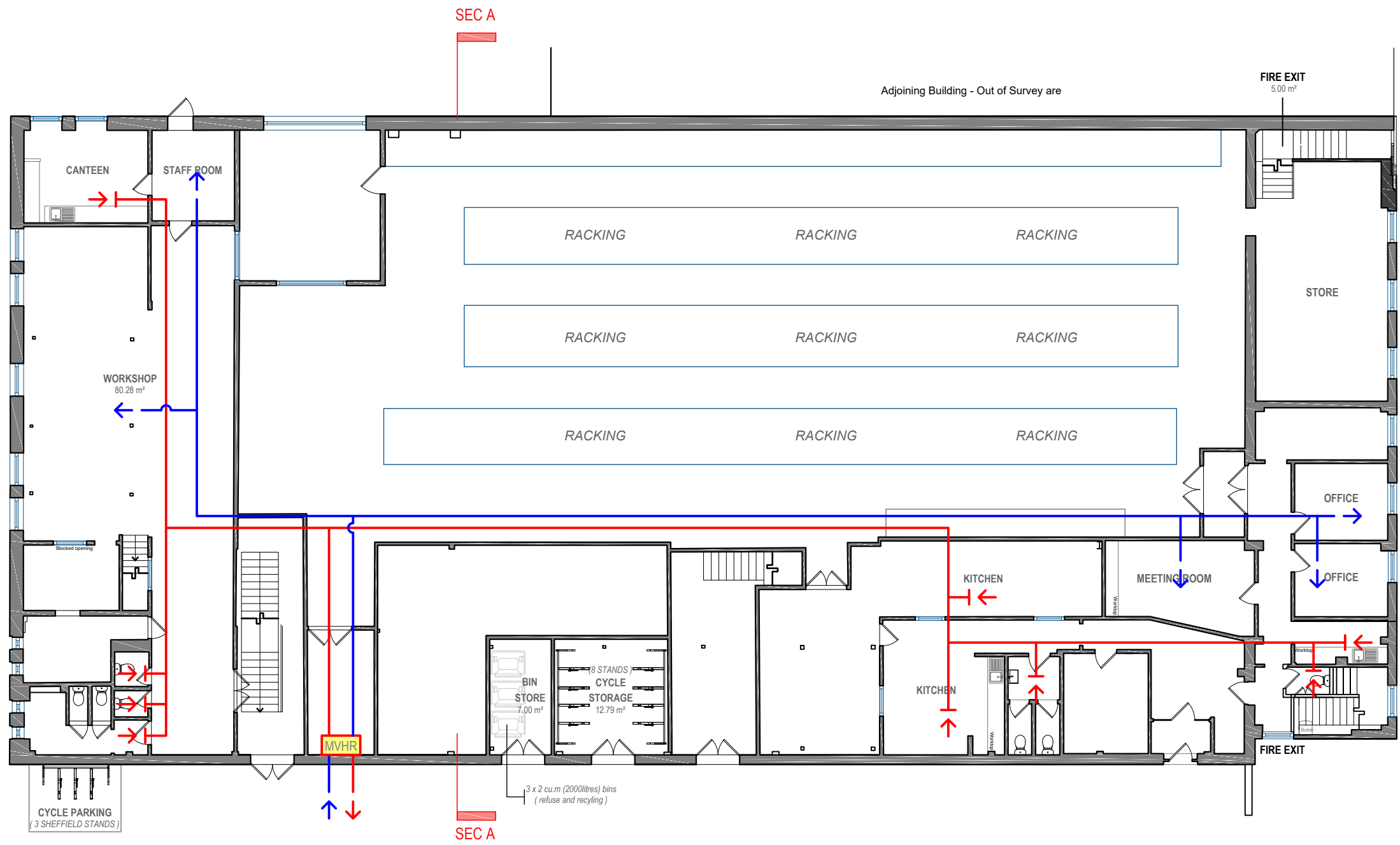
160mm Ø EXHAUST DUCT

160mm Ø SUPPLY DUCT

MVHR

MECHANICAL VENTILATION WITH HEAT RECOVERY (SEE SPECIFICATIONS)

Note: Flexible ductwork, where installed, should meet the standards of BSRIA's BG 43/2013.



PROPOSED GROUND FLOOR

NOTE: THE PROPOSED WINDOWS ARE DESIGNED TO FULLY OPEN, ENABLING EFFECTIVE PURGE VENTILATION

P

PRESTIGE

PLANNING & BUILDING SERVICES

Prestige Planning Ltd.

Unit 6 Grosvenor Way

London

E5 9ND

T: 0203 935 3434

M: 07824628403

E: davidmotzen@gmail.com

PROJECT DETAILS

Carbon Comments Drawings

PROPERTY ADDRESS

1 Fountayne Rd, London N15 4QL,

United Kingdom

DRAWING TITLE

Proposed Ground Floor Plan

Ventilation Plan

REVISION

DRAWING NO.

D01

SCALE

1:150

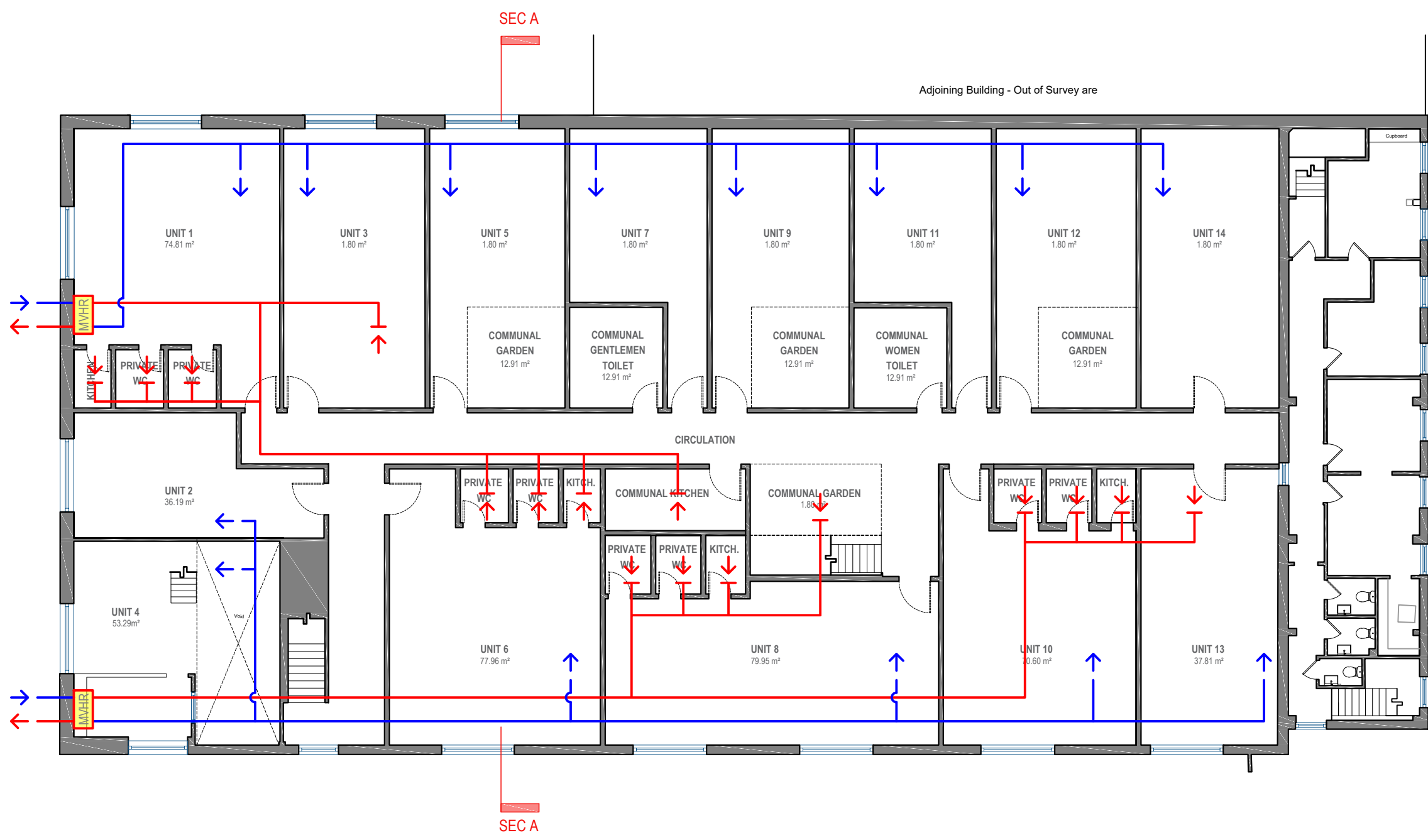
[@ A3]

0 1 2 3 4 5 6 Metres

- 160mm Ø EXHAUST DUCT
- 160mm Ø SUPPLY DUCT
- MVHR

MECHANICAL VENTILATION WITH HEAT RECOVERY (SEE SPECIFICATIONS)

Note: Flexible ductwork, where installed, should meet the standards of BSRIA's BG 43/2013.



PROPOSED FIRST FLOOR

NOTE: THE PROPOSED WINDOWS ARE DESIGNED TO FULLY OPEN, ENABLING EFFECTIVE PURGE VENTILATION

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Prestige Planning Ltd.
Unit 6 Grosvenor Way
London
E5 9ND

T: 0203 935 3434
M: 07824628403
E: davidmotzen@gmail.com

PROJECT DETAILS

Carbon Comments Drawings

PROPERTY ADDRESS

1 Fountayne Rd, London N15 4QL,
United Kingdom

DRAWING TITLE

Proposed First Floor Plan
Ventilation Plan

REVISION

DRAWING NO.

SCALE

1:150

[@ A3]

0 1 2 3 4 5 6 Metres

D02

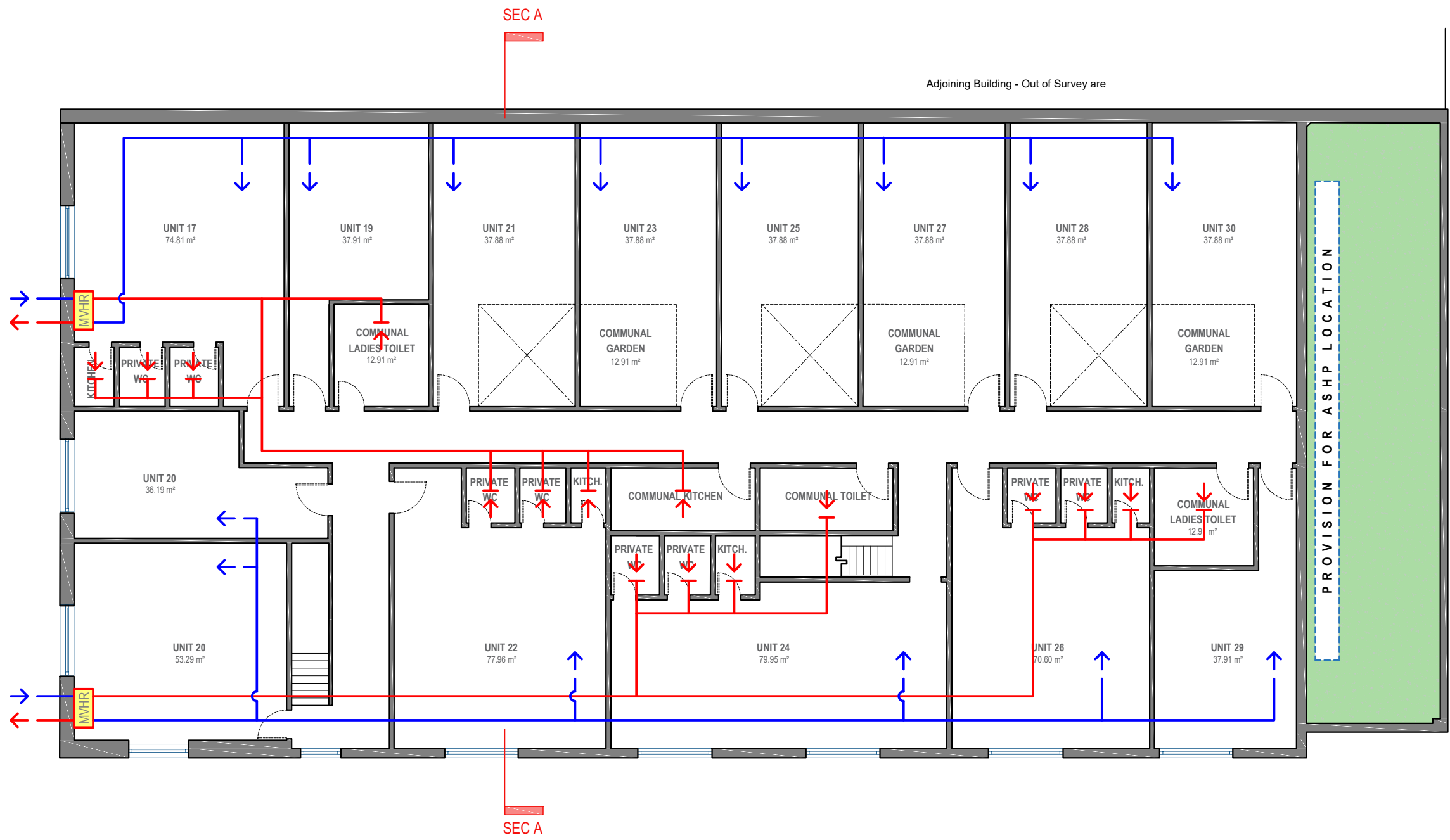
160mm Ø EXHAUST DUCT

160mm Ø SUPPLY DUCT

MVHR

MECHANICAL VENTILATION WITH HEAT RECOVERY (SEE SPECIFICATIONS)

Note: Flexible ductwork, where installed, should meet the standards of BSRIA's BG 43/2013.



PROPOSED SECOND FLOOR

NOTE: THE PROPOSED WINDOWS ARE DESIGNED TO FULLY OPEN, ENABLING EFFECTIVE PURGE VENTILATION

P

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PLANNING & BUILDING SERVICES

Prestige Planning Ltd.

Unit 6 Grosvenor Way

London

E5 9ND

T: 0203 935 3434

M: 07824628403

E: davidmotzen@gmail.com

PROJECT DETAILS

Carbon Comments Drawings

PROPERTY ADDRESS

1 Fountayne Rd, London N15 4QL,

United Kingdom

DRAWING TITLE

Proposed Second Floor Plan

Ventilation Plan

REVISION

DRAWING NO.

SCALE

1:150

[@ A3]

0 1 2 3 4 5 6 Metres

D03

REGAVENT 600R CENTRAL UNIT

FEATURES

- Capable of delivering up to 130 l/s of air volume. (Suitable for houses of up to 370m²)
- 160mm Duct connections.
- Low power consumption EC motors.
- Acoustically lined, complete with anti-vibration mounting bracket to provide virtually silent operation.
- Supplied with built in humidistat controller. Automatically boosts air flow to remove excess moisture from the atmosphere.
- Durable galvanised steel construction.
- Manufactured in the UK .
- Can be fitted with a summer bypass unit to provide automatic summer operation.
- Pollen filters available.

TECHNICAL SPEC

- Air Volume Max. 500m³/h
- Air Volume Min. 70m³/h
- Voltage 230/240v AC
- Max Power Usage 208 watts
- Max Current Draw 1.76 amp
- Weight 35KG
- Sound From 1m 35-40dB

DIMENSIONS

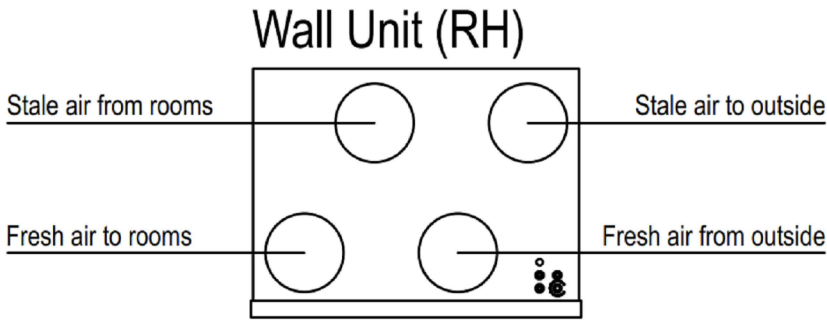
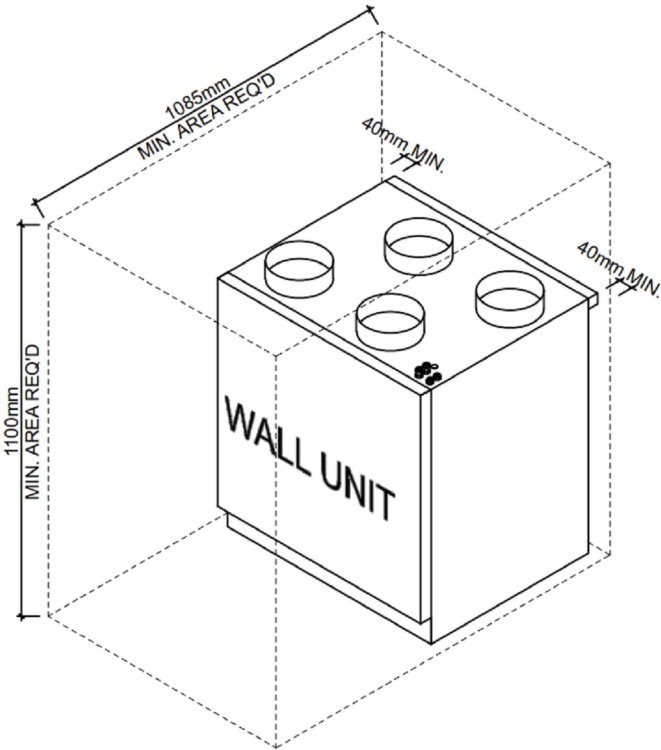
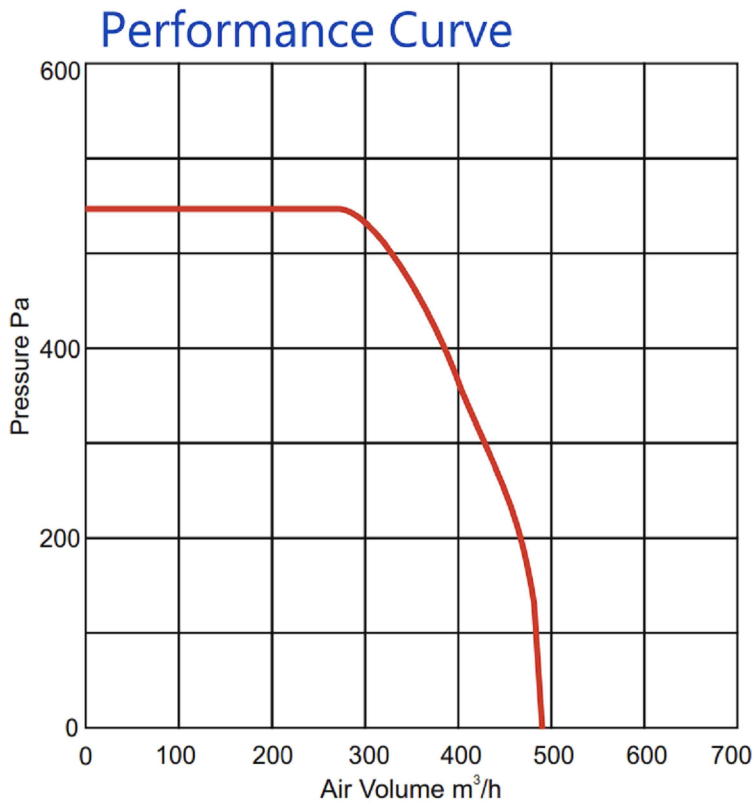
- Wall Mounted:
715(h)x600(w)x545(d)mm



Rega Ventilation Limited

21/22 Eldon Way, Biggleswade, Beds SG18 8NH

fax: 01767 600487 email: sales@rega-uk.com



500m³/h
70m³/h
230/240v AC
208 watts
1.76 amp
35KG
35-40dB

<https://www.rega-uk.com/mvhr>
<https://static1.squarespace.com/static/602bdfa0aeeffe23588b0d8e6/t/6311f25e81b68d51ed3703cc/1662120545501/Unit+Data+Sheets.pdf>



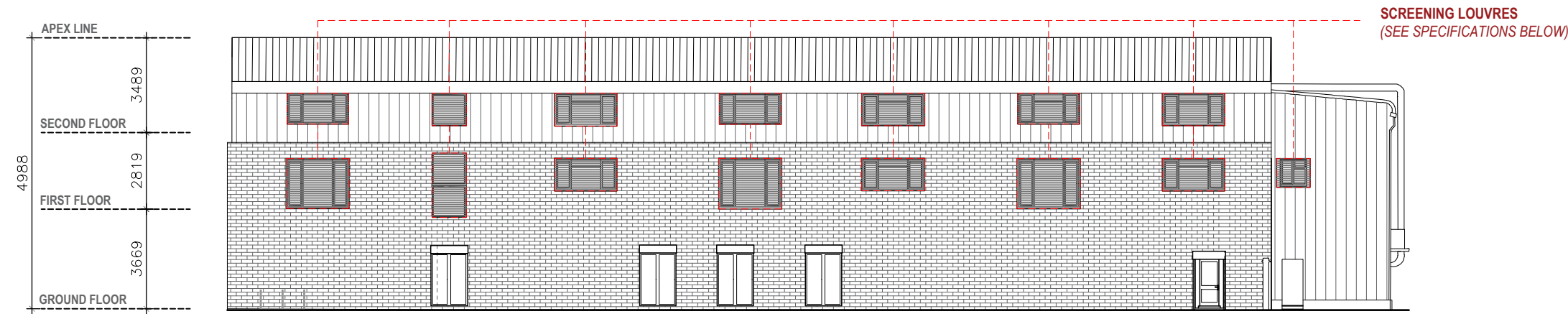
PRESTIGE

PLANNING & BUILDING SERVICES

Prestige Planning Ltd.
Unit 6 Grosvenor Way
London
E5 9ND

T: 0203 935 3434
M: 07824628403
E: davidmotzen@gmail.com

PROJECT DETAILS	
Carbon Comments Drawings	
PROPERTY ADDRESS	
1 Fountayne Rd, London N15 4QL, United Kingdom	
DRAWING TITLE	
Product Specifications Ventilation Plan	
REVISION	DRAWING NO.
	D04
SCALE	



SOUTH SIDE ELEVATION

SCREENING LOUVRES PRODUCT SHEET

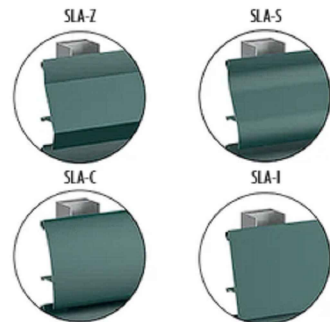
PS.SLA.0225

SLA

A simple to install and cost effective solution to screening parts of a building, rooftop plant areas or car parks.

Features & Advantages

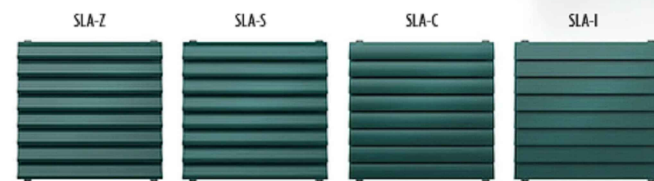
- Choice of aluminium blade profiles (Z-shaped, C-shaped, S-shaped and I-shaped) to suit design requirements.



- Blades clip into vertical mullions for simple installation.
- Mullions are supplied in mill finish, or can be powder-coated or anodised to match blade colour.
- Can be installed in inverted blade orientation for optimum screening in rooftop applications.

Applications

- Where a low cost, easy to install screening solution is required
- Where rain ingress to the area is not a consideration
- Where continuous line appearance on the façade is preferred



c-sgroup.co.uk/2373

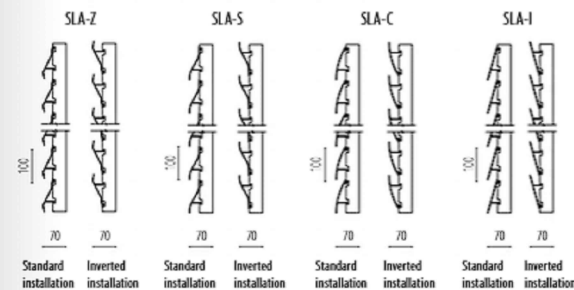
SCREENING LOUVRES PRODUCT SHEET

PS.SLA.0225

SLA

Standard Details

Section on elevation



Plan view

All blade options
Mullions at max.
1500 mm centres

Dimensions:
• Standard blade width: 3000 mm
• Max height: not applicable
• Mullions at max 1500 mm centres (based on 1.5 kPa wind load) and at joints between blade lengths
For detailed drawings refer to Technical Datasheet.

Finish Options



¹ Standard for mullions. If required, mullions can be polyester powder-coated or anodised to match blade finish.

Warranty

- 2-year product warranty
- Up to 30-year finish warranty (powder-coated or anodised)

For Terms and Conditions visit: c-sgroup.co.uk/38509

Materials

- Aluminium alloy 6063-T5
- Nominal minimum thickness: 1 mm for blades and mullions
- Louvre weight, based on a 2 m x 2 m module size:
 - SLA-Z - 4.9 kg/m²
 - SLA-S - 6.1 kg/m²
 - SLA-C - 6.4 kg/m²
 - SLA-I - 4.8 kg/m²

Optional Extras

- Bird / vermin guards - galvanised weld mesh (standard) or expanded aluminium
- Insect mesh
- Blanking - single skin plates or insulated panels
- Louvered doors and gates

For details visit: c-sgroup.co.uk/26795



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Unit 6 Grosvenor Way
London
E5 9ND

T: 0203 935 3434
M: 07824628403
E: davidmotzen@gmail.com

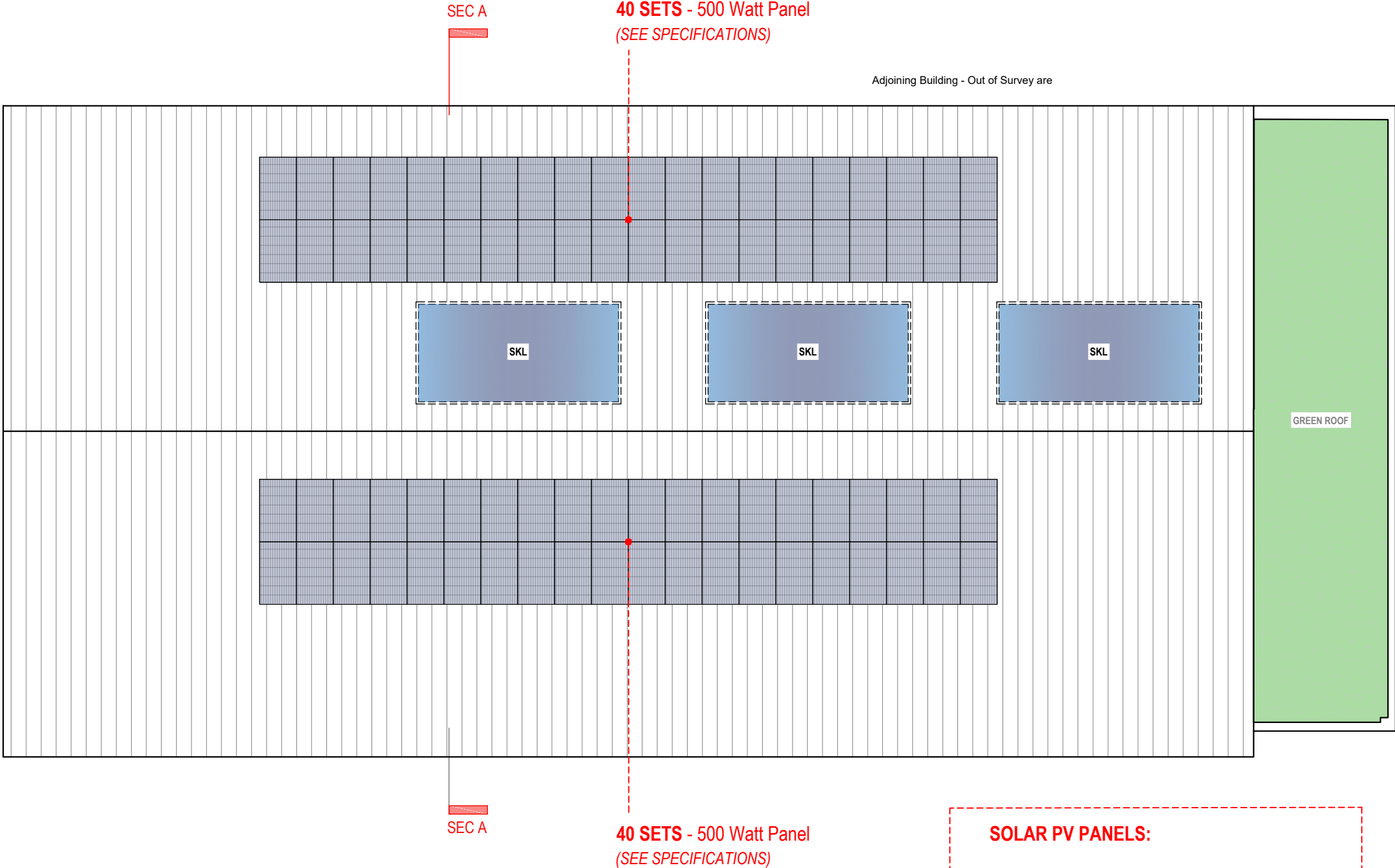
PROJECT DETAILS
Carbon Comments Drawings

PROPERTY ADDRESS
1 Fountayne Rd, London N15 4QL,
United Kingdom

DRAWING TITLE
External Shading Details

REVISION	DRAWING NO.
	D05

SCALE



PROPOSED ROOF PLAN

SOLAR PV PANELS:

2 X 40 SETS - 500 Watt Panel PROVIDING A TOTAL SYTEM SIZE OF 40kW

REFERENCE: *Unit 11 High Cross Centre, London N15 4QL - Energy and Sustainability Statement, page 18*



Prestige Planning Ltd.
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London
E5 9ND

T: 0203 935 3434
M: 07824628403
E: davidmotzen@gmail.com

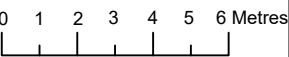
PROJECT DETAILS
Carbon Comments Drawings

PROPERTY ADDRESS
1 Fountayne Rd, London N15 4QL,
United Kingdom

DRAWING TITLE
Proposed Roof Plan
Solar PV Details

REVISION	DRAWING NO.
	D06

SCALE
1:150
[@ A3]



Harvest the Sunshine

510W



JA SOLAR

JAM60D41 LB

Black Module
n-type Double Glass Bifacial Modules

Premium Cells

n-
Bycium+
16BB

MBB Half-Cell
Technology

26%

Up To

Cell Conversion
Efficiency

Premium Modules

Higher power
generation better LCOE

LID n-type with very
Lower LID

Better Temperature
Coefficient

Better low irradiance
response

100%

99%

87.4%

83.1%

1

5

10

15

20

25

30

1% 1st-year Degradation

0.4% Annual Degradation Over 30 years

12-year product
warranty

30-year linear power
output warranty

Comprehensive Certificates

- IEC 61215, IEC 61730, UL 61215, UL 61730
- ISO 9001: 2015 Quality management systems
- ISO 14001: 2015 Environmental management systems
- ISO 45001: 2018 Occupational health and safety management systems
- IEC 62941: 2019 Terrestrial photovoltaic (PV) modules - Quality system for PV module manufacturing

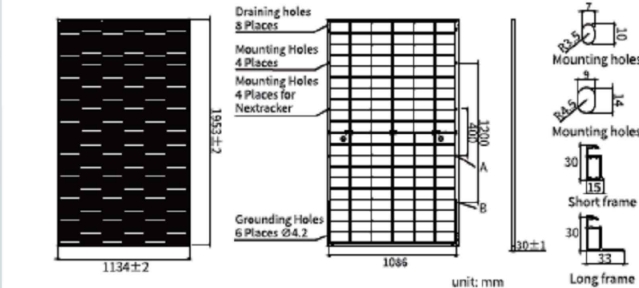


DEEP BLUE 4.0 Pro

JAM60D41 LB

n-type Double Glass Bifacial Modules

DEEP BLUE 4.0 Pro

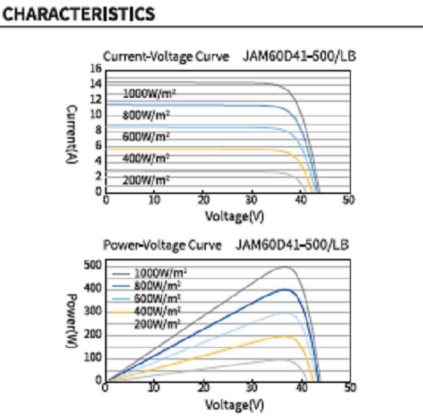


MECHANICAL PARAMETERS	
Cell	Mono
Weight	27.3kg
Dimensions	1953±2mm×1134±2mm×30±1mm
Cable Cross Section Size	4mm²(IEC), 12 AWG(UL)
No. of cells	120(6×20)
Junction Box	IP68, 3diodes
Connector	QC 4.10-351/ MC4-EVO2A
Cable Length (Including Connector)	Portrait: 300mm(+)/400mm(-) Landscape: 1200mm(+)/1200mm(-)
Front Glass/Back Glass	2.0mm/2.0mm
Packaging Configuration	36pcs/Pallet, 864pcs/40HQ Container

Remark: customized frame color and cable length available upon request

ELECTRICAL PARAMETERS AT STC						
TYPE	JAM60D41 485/LB	JAM60D41 490/LB	JAM60D41 495/LB	JAM60D41 500/LB	JAM60D41 505/LB	JAM60D41 510/LB
Rated Maximum Power(Pmax) [W]	485	490	495	500	505	510
Open Circuit Voltage (Voc) [V]	43.25	43.45	43.65	43.85	44.05	44.25
Maximum Power Voltage(Vmp) [V]	36.28	36.49	36.70	36.91	37.11	37.31
Short Circuit Current(Isc) [A]	14.24	14.30	14.36	14.42	14.48	14.54
Maximum Power Current(Imp) [A]	13.37	13.43	13.49	13.55	13.61	13.67
Module Efficiency [%]	21.9	22.1	22.4	22.6	22.8	23.0
Power Tolerance	0~+3%					
Temperature Coefficient of Isc(α_{Isc})	+0.045%/°C					
Temperature Coefficient of Voc (β_{Voc})	-0.250%/°C					
Temperature Coefficient of Pmax(γ_{Pmp})	-0.290%/°C					
STC	Irradiance 1000W/m², cell temperature 25°C, AM1.5G					
Remark: Electrical data in this catalog do not refer to a single module and they are not part of the offer. They only serve for comparison among different module types.						

ELECTRICAL CHARACTERISTICS WITH 10% SOLAR IRRADIATION RATIO						
TYPE	JAM60D41 485/LB	JAM60D41 490/LB	JAM60D41 495/LB	JAM60D41 500/LB	JAM60D41 505/LB	JAM60D41 510/LB
Rated Max Power(Pmax) [W]	524	529	535	540	545	551
Open Circuit Voltage(Voc) [V]	43.25	43.45	43.65	43.85	44.05	44.25
Max Power Voltage(Vmp) [V]	36.28	36.49	36.70	36.91	37.11	37.31
Short Circuit Current(Isc) [A]	15.38	15.44	15.51	15.57	15.64	15.70
Max Power Current(Imp) [A]	14.44	14.50	14.57	14.63	14.70	14.76
Irradiation Ratio (rear/front)	10%					
* Bifaciality=Pmax, rear/Rated Pmax, front						



OPERATING CONDITIONS	
Maximum System Voltage	1500V DC
Operating Temperature	-40°C~+85°C
Maximum Series Fuse Rating	30A
Maximum Static Load, Front	5400Pa(112 lb/ft²)
Maximum Static Load, Back	2400Pa(50 lb/ft²)
NOCT	45±2°C
Bifaciality*	80%±10%
Safety Class	Class II
Fire Performance	UL Type 29/Class C

JA SOLAR

Headquarters No. 8 Building, Nuode Center, No.1 Courtyard, East Auto Museum Road, Fengtai District, Beijing
Tel: +86 10 6361 1888 Fax: +86 10 6361 1999
E-mail: sales@jasolar.com marketing@jasolar.com www.jasolar.com

Specifications subject to technical changes and tests.
JA Solar reserves the right of final interpretation.
Version No. : Global-EN-20240729A



PRESTIGE
PLANNING & BUILDING SERVICES

Prestige Planning Ltd.
Unit 6 Grosvenor Way
London
E5 9ND

T: 0203 935 3434
M: 07824628403
E: davidmotzen@gmail.com

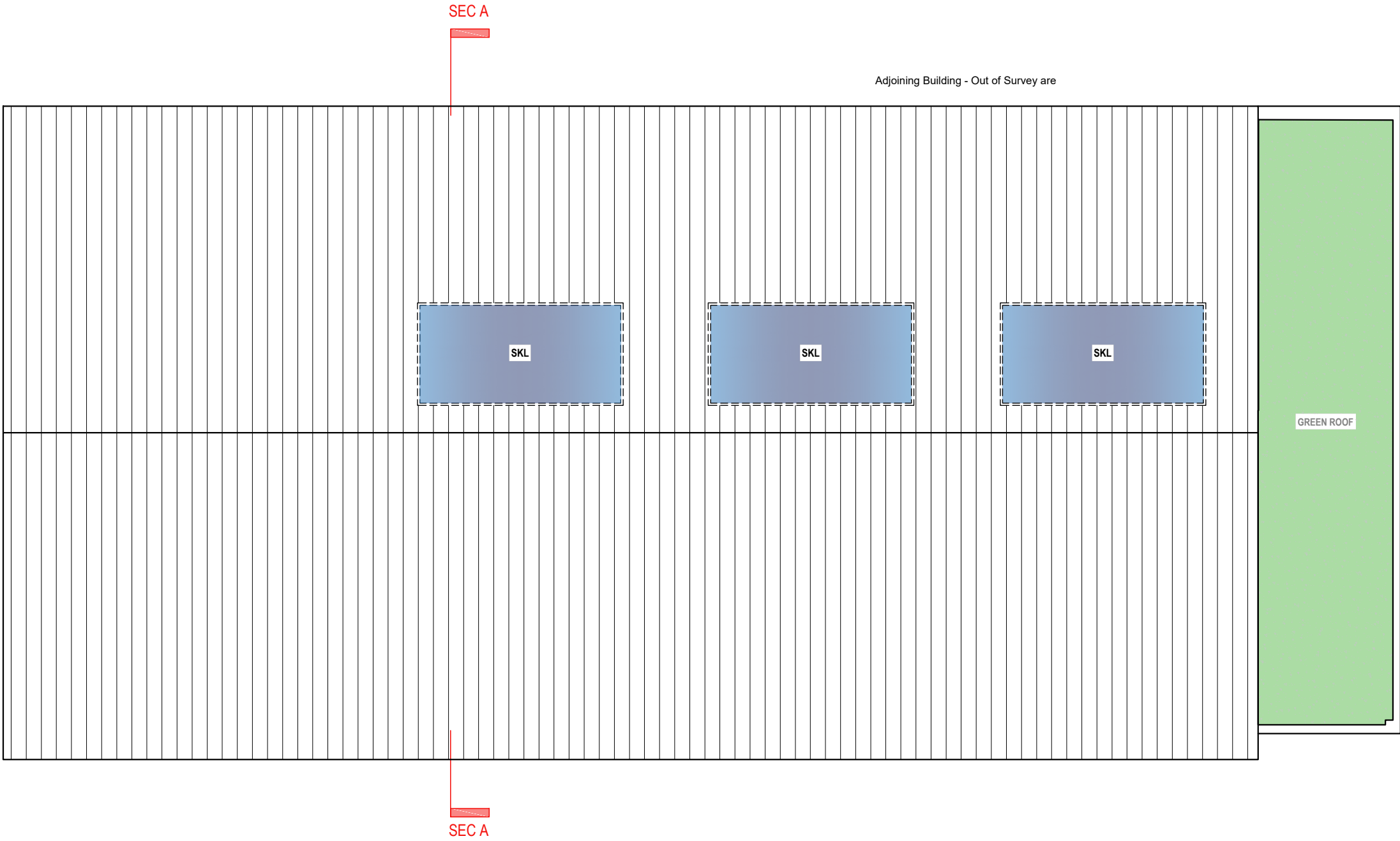
PROJECT DETAILS
Carbon Comments Drawings

PROPERTY ADDRESS
1 Fountayne Rd, London N15 4QL,
United Kingdom

DRAWING TITLE
Product Details

REVISION	DRAWING NO.
	D07

SCALE



PROPOSED ROOF PLAN



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Prestige Planning Ltd.
Unit 6 Grosvenor Way
London
E5 9ND

T: 0203 935 3434
M: 07824628403
E: davidmotzen@gmail.com

PROJECT DETAILS
Carbon Comments Drawings

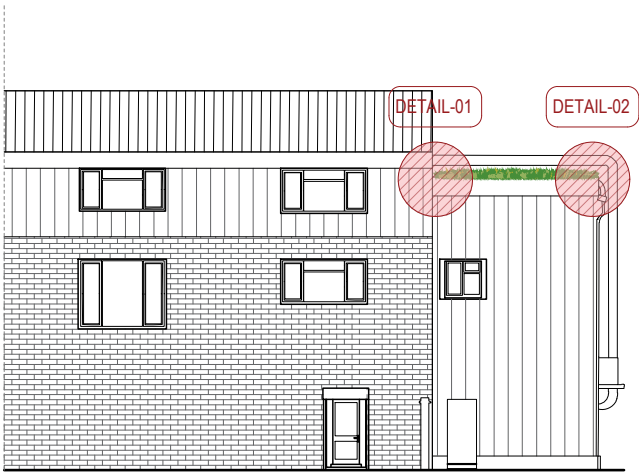
PROPERTY ADDRESS
1 Fountayne Rd, London N15 4QL,
United Kingdom

DRAWING TITLE
Proposed Roof Plan
Green Roof Details

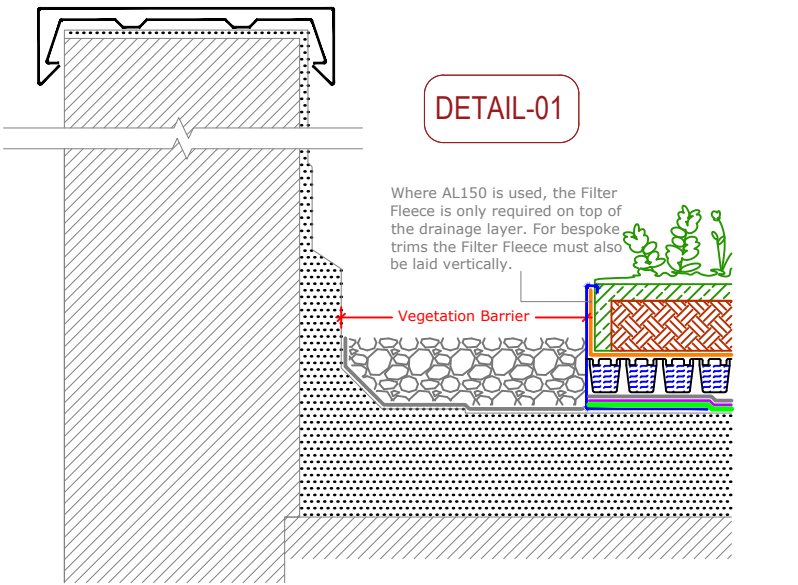
<u>REVISION</u>	<u>DRAWING NO.</u>
	D08

SCALE
1:150
[@ A3]

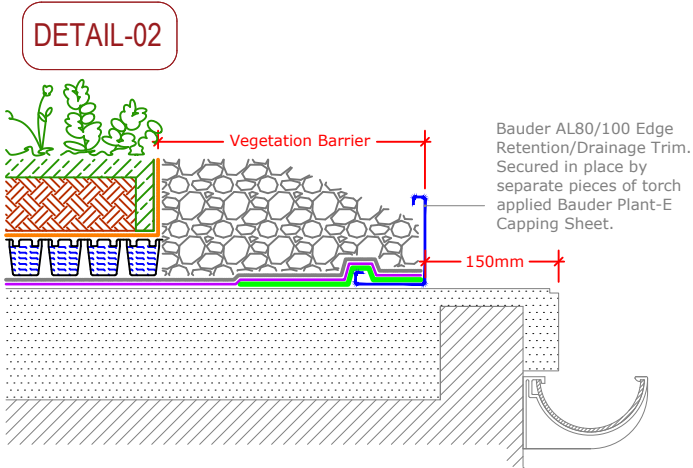
0 1 2 3 4 5 6 Metres



SOUTH SIDE ELEVATION



Upstand to Parapet / Wall
(Drg.No: D0901/03-00W_0-4Deg_203-ExtInt-S-DB_001)



External Gutter
(Drg.No: D0901/03-00W_0-4Deg_006-ExtInt-S-DB_005)



Extensive / Biodiverse Substrate



DES40 Drainage Board (Refer to the specification for the correct board to be used)



Bauder Filter Fleece



Bauder Protection Mat



Bauder PE Foil - Not required on Single Ply Systems



Additional **Bauder Capping Sheet / Membrane** to secure the metal trim (Refer to the Specification for the correct option)



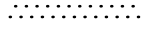
Bauder Waterproofing System.
(Refer to the specific Bauder waterproofing details drawings for further information.)



Deck / Substrate



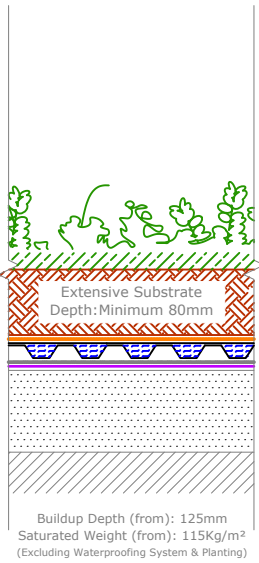
Vegetation barrier
Minimum 80mm deep & 300mm wide.
Width must be increased to at least 500mm when positioned adjacent to opening rooflights, windows or door openings. In accordance with both gro green and fill roof codes.



AL150 Edge / Drainage trim. Secured in place by separate pieces of torch applied Bauder Plant-E Capping Sheet.
For vegetation/substrate build-up depths greater than 150mm, a bespoke perforated edge/drainage trim is required.

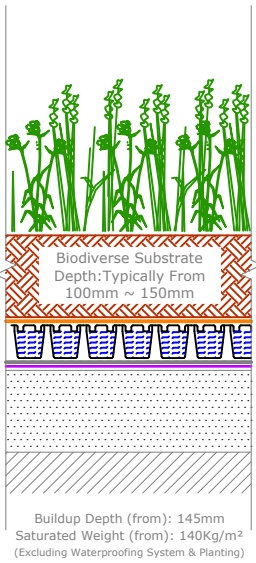
XF300 Sedum Vegetation Blanket or Sedum & Wildflower Plug Planting
(DSE20 Drainage Layer)
Alternative drainage board options available

XF118 UK Native Species Wildflower Vegetation Blanket or Wildflower Plug/Seed Mix Planting
(DSE40 Drainage Layer)



Extensive Substrate
Depth: Minimum 80mm

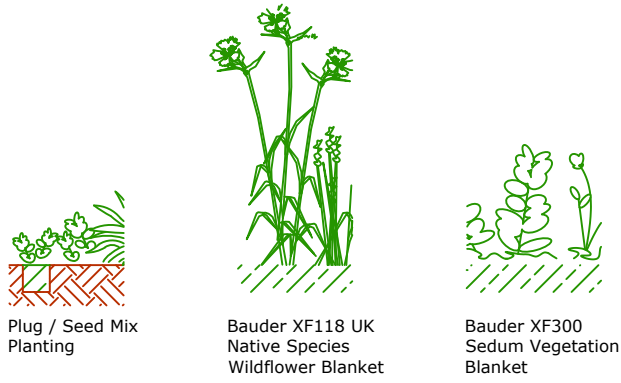
Buildup Depth (from): 125mm
Saturated Weight (from): 115Kg/m²
(Excluding Waterproofing System & Planting)



Biodiverse Substrate
Depth: Typically From 100mm ~ 150mm

Buildup Depth (from): 145mm
Saturated Weight (from): 140Kg/m²
(Excluding Waterproofing System & Planting)

Extensive Soft Landscaping

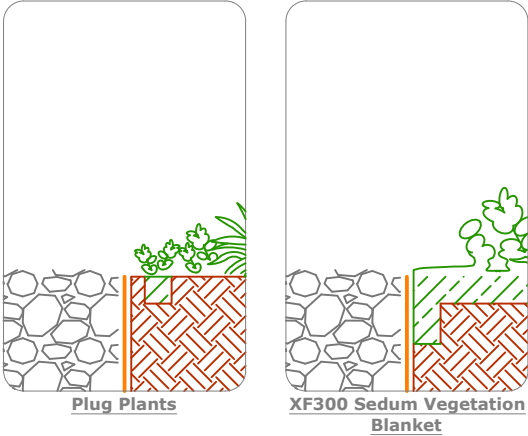
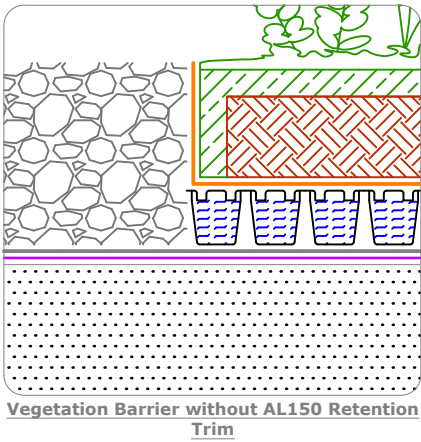


(Vegetation type is indicative only. Refer to the specification for the correct vegetation to be Used)

IMPORTANT NOTE:
This drawing shows alternative details. For the correct solution to be used, refer to the project specific specification.

REFERENCE:
BAUDER - GREEN ROOFS
<https://www.bauder.co.uk/green-roofs/extensive-green-roofs/lightweight-sedum-low-maintenance-solution/plug-planted-roofs>

Vegetation Termination Detail



NOTE:
The Green roof installation shall comply to manufacturers instructions and to the local policies related.



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London
E5 9ND

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E: davidmotzen@gmail.com

PROJECT DETAILS
Carbon Comments Drawings

PROPERTY ADDRESS
1 Fountayne Rd, London N15 4QL,
United Kingdom

DRAWING TITLE
Green Roof Details

REVISION	DRAWING NO.
	D09

SCALE
1:150
[@ A3]

