

Chartered Surveyors

Our Ref: 21545/sq/SG

10 February 2022

Mr R Mounty Principal Planning Officer Spelthorne Borough Council **Knowles Green**

Staines **TW18 1XB**

Thavies Inn House 3-4 Holborn Circus London EC1N 2HA 020 7936 3668

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Dear Sirs

Former Debenhams Store, 37-45 High Street, Staines, TW18 4QU - Daylight & Sunlight response to comments received

Delva Patman Redler LLP (DPR) have been provided with a copy of the Daylight & Sunlight Solutions 'Daylight & Sunlight Review' report.

It is noted that the review concludes at 4.1.1 that 'We conclude that the assessment carried out by Delva Patman Redler Chartered Surveyors is of a good standard.'

There is little from the review that contradicts or challenges the DPR report or its conclusions. It is noted, however, within section 3.2 & 3.3 that there are short list of points where further clarity has been requested. Below we provide the further assessments and points of clarification requested.

Light within the Scheme

We have undertaken an assessment of the internal daylight adequacy within the scheme itself which demonstrates 100% compliance of that primary ADF assessment criteria for new development. This assessment covered the lowest two floors only as the worst case scenario for rooms within the scheme. A point raised by Daylight & Sunlight Solutions is that there are other criteria which can also be assessed. We have now undertaken those additional studies and are able to report on those as follows:

Daylight

The additional findings for the no sky line (NSL) and room depth criterion (RDC) assessments are included along with the original average daylight factor ADF findings are included at the Appendices with this letter.

As previously reported the ADF assessment illustrates that all 81 (100%) of the rooms assessed will fully comply with the assessment criteria. The NSL assessment illustrates that 77 (95%) out of the 81 rooms assessed will fully comply with the assessment criteria. The RDC assessment illustrates that all 81 (100%) of the rooms assessed will fully comply with the assessment criteria.

The 4 rooms that fall short of the NSL target are all to bedrooms and all are located in the tower to the north, Block A with an aspect of the tower to the south, Block B.

Paragraph 2.2.8 from the BRE Guide "bedrooms should also be analysed although they are less important". This is because they are typically occupied at night-time when there is clearly a lower expectation for daylight.

All infringements are within 6% of compliance and 2 are within 2% so all are only very minor infringements beyond the Guidance.

Also at: Delva Patman Redler The Quay 12 Princes Parade Liverpool L3 1BG

Delva Patman Redler 40 Berkeley Square Bristol BS8 1HP







Appendix F of the BRE Guide discusses adopting alternative target values for skylight and sunlight access stating that:

These values are purely advisory and different targets may be used based on the special requirements of the proposed development or its location. Such alternative targets may be generated from the layout dimensions of existing development, or they may be derived from considering the internal layout and daylighting needs of the proposed development itself.

On review only a minor adjustment from an 80% target down to 70% on the NSL assessment target would see all of the rooms comfortably achieve this alternative target value. This would not be unreasonable given that the rooms are fully compliant with the ADF and RDC assessment criteria.

The daylight results based on the numerical target values within the BRE Guide are illustrated in full in the Appendices and below is a summary of the findings from all three sets of internal daylight assessment criteria.

		ADF			NSL			RDC		
Building	No. of rooms tested	ooms Meeting guideli		No. below	Meeting guideline		No. below	Meeting guideline		No. below
	iesieu	No.	%	guideline	No.	%	guideline	No.	%	guideline
Block A	41	41	100%	0	37	90%	4	41	100%	0
Block B	40	40	100%	0	40	100%	0	40	100%	0
Totals:	81	81		0	77		4	81		0
Totals:		100%		0%	95%		5%	100%		0%

Sunlight

In housing, sunlight should be assessed in living rooms and conservatories. The amount of sunlight reaching the interior of a space is measured by calculating the percentage of annual probable sunlight hours (APSH) reaching the centre of each window.

The BRE guide recommends that living rooms and conservatories should receive at least 25% APSH, including least 5% of APSH in the winter months between 21 September and 21 March. Where groups of dwellings are planned, site layout design should aim to maximise the number of dwellings meeting this recommendation.

All main living rooms of dwellings, and conservatories, should be checked if they have a window facing within 90° of due south.

When asked to clarify whether bedrooms should be assessed, the author of the BRE guide, Dr Paul Littlefair, wrote:

"The BRE Report 'Site layout planning for daylight and sunlight: a guide to good practice' recommends that 'all main living rooms of dwellings, and conservatories, should be checked if they have a window facing within 90° of due south. Kitchens and bedrooms are less important, although care should be taken not to block too much sun.' Normally we would not include loss of sunlight to bedrooms in a detailed analysis; and loss of sunlight to bedrooms would not be treated as a material issue except in bedrooms that also comprised a living space, for example a bed sitting room in an old people's home. Loss of diffuse daylight to bedrooms does need to be taken into account, as stated in paragraph 2.2.2 of the BRE Report."

Our assessment has therefore assessed the loss of sunlight to all primary living rooms within the scheme at first and second floors.

There are a total of 31 living rooms within the lowest two floors of the scheme of which 20 will have at least one window facing within 90° of due south.

Of the total 31 living rooms around the scheme 21 (68%) of those will comply with both the annual and winter sunlight criteria and a further 1 room (3%) will meet the annual criteria only. Therefore, a total of 71% of all living rooms assessed will achieve the APSH assessment criteria.

Of the 20 living rooms with at least one a one window facing within 90° of due south 17 (85%) of those will comply with both the annual and winter sunlight criteria and a further 1 room (5%) will meet the annual criteria only. Therefore, a total of 90% of all living rooms assessed with at least one window facing within 90° of due south will achieve the APSH assessment criteria.



The sunlight results based on the numerical target values within the BRE Guide are illustrated in full in the Appendices and below is a summary of the findings from all three sets of internal sunlight assessment criteria.

Table A6 - Adherence to APSH guidelines - main living rooms, all orientations

		APSH (main living rooms)								
Building		No. of main living	Meeting (Ann 8	guideline § <i>Win)</i>	No. below guideline					
		rooms tested	No.	%	Meets Annual only	Meets Winter only	Meets neither			
Block A		15	8	28%	1	0	6			
Block B		16	13	43%	0	0	3			
	Totals:	24	21		1	0	9			
		31	68%		3%	0%	29%			

Table A7 - Adherence to APSH guidelines - main living rooms with at least one window facing within 90° of due so

		APSH (main living rooms with a southerly-aspect window)								
Building		No. of main living	mooning galaciino		No. below guideline					
		rooms tested	No.	%	Meets Annual only	Meets Winter only	Meets neither			
Block A		11	8	47%	1	0	2			
Block B		9	9	69%	0	0	0			
7	Totals:	20	17		1	0	2			
'			85%		5%	0%	10%			

Taking into account of the orientation of the towers and the scheme itself these findings illustrate a very good level of sunlight attainment for the primary habitable rooms within the scheme. This on top of the internal daylight adequacy studies illustrate that the proposed scheme will achieve very good levels of internal daylight and sunlight attainment and will achieve very good levels of compliance when measured against the BRE assessment criteria.

There are additional points of clarity requested in 3.3.1 which are also addressed individually below:

- 1. We consider this to be a statement of fact and we have nothing further to comment.
- 2. We can confirm that the London location has indeed been used for these assessments.
- 3. 28-44 High Street has not been assessed as no residential use has been identified from our research for these neighbours.
- 4. Clarifications from the results tables in Appendix 4:
 - 46 and 48 High Street. Reading the building from the street side there is an additional window at second floor which suggests a likelihood that windows W2, W3 & W4 served the same space. This additional window is not present at first floor and so it was considered likely that the configuration could well be more compartmentalised at this level. Either way as the effects on this neighbour are marginal, it is not considered that an alternative configuration of the spaces would derive any material alternative conclusion to the current findings.
 - 59 High Street. Windows W1 & 2 which serve R1 in 59 High Street are understood to serve non
 habitable spaces and so have been discounted from consideration as part of these daylight and
 sunlight assessments.
 - 55 High Street. Layouts for this property have not been obtained so alternative configurations are certainly a possibility. However, given that the findings for this neighbour are very marginal, it is not considered that an alternative configuration of the spaces would derive any material alternative conclusion to the current findings.
 - 53 High Street. Layouts for this property have not been obtained so alternative configurations are certainly a possibility. However, given that the findings for this neighbour are very marginal, it is



not considered that an alternative configuration of the spaces would derive any material alternative conclusion to the current findings.

- 47 High Street. The rooms in question front onto the High Street and are understood to serve commercial uses rather than residential uses so have been discounted from these assessments.
- Spelthorne House. The windows and rooms referred to serve a stairwell.

We trust the above is clear and responds to the daylight, sunlight and shadowing points raised in the comments from Daylight & Sunlight Solutions.

DELVA PATMAN REDLER LLP

Project: XXXXX - XYZ Road,London,E3 Date: DD/MM/YYYY

Scheme: XX/XX/YYYY/MM/DD Scenario: Existing v Proposed

Self-test



Block A	Prope	rty & roon	n attribi	utes				Dayli	ght (BRE)		Sunligh	t (BRE
Block A			Room			AE)F	NICI	Room depth crite	erion	APSH	room
For Plan(s) R1 Residential Bedroom 1.0 4.30 88% 11.7 (Current: 2.5) Yes 25	Floor	Flat no.		Property type	Room use				Limit (current) (m)			Winter (%)
Plan(s) R2 Residential Bedroom 1.0 4.30 98% 11.7 (Current: 2.5) Yes 25	Block	A										
Plan(s) R3	F01	Plan(s)	R1	Residential	LKD	2.0	4.27	100%	Exempt: Dual Aspec	Yes	26	4
Plan(s) R4		Plan(s)	R2	Residential	Bedroom	1.0	4.30	98%	11.7 (Current: 2.5)	Yes	25	2
R5		Plan(s)	R3	Residential	Bedroom	1.0	4.38	99%	10.2 (Current: 4.3)	Yes	8	0
Plan(s) R7 Residential Bedroom 1.0 2.13 99% 10.3 (Current: 4.2) Yes N/R N		Plan(s)	R4	Residential	LKD	2.0	2.93	100%	Exempt: Dual Aspec	Yes	10	0
Plan(s) R7			R5	Residential	Bedroom	1.0	2.10	99%	10.3 (Current: 4.2)	Yes	N/R	N/R
Plan(s) R8			R6	Residential	Bedroom	1.0	2.13	99%	10.3 (Current: 4.2)	Yes	N/R	N/R
Plan(s) R9		Plan(s)	R7	Residential	LKD	2.0	2.93	100%	Exempt: Dual Aspec	Yes	8	0
Plan(s)		Plan(s)	R8	Residential	Bedroom	1.0	3.28	99%	10.3 (Current: 6.5)	Yes	11	1
R11 Residential Bedroom 1.0 1.48 78% 9.7 (Current: 4) Yes N/R N/R		Plan(s)	R9	Residential	Bedroom	1.0	4.04	98%	11.8 (Current: 2.5)	Yes	3	0
Plan(s) R12		Plan(s)	R10	Residential	LKD	2.0	2.62	99%	Exempt: Dual Aspec	Yes	1	0
R13 Residential Bedroom 1.0 2.06 79% 8.6 (Current: 4.5) Yes N/R N/R R14 Residential Bedroom 1.0 2.09 89% 8.6 (Current: 4.5) Yes N/R N/R N/R R14 Residential LD 1.5 2.87 100% 9.9 (Current: 5.7) Yes 55 2.87 100% 9.9 (Current: 5.7) Yes 55 2.87 100% 9.9 (Current: 5.7) Yes N/R N/R N/R R16 Residential Bedroom 1.0 1.42 75% 9.7 (Current: 4.7) Yes N/R N/R Plan(s) R17 Residential Bedroom 1.0 2.10 95% 12 (Current: 2.6) Yes 54 Yes Ye			R11	Residential	Bedroom	1.0	1.48	78%	9.7 (Current: 4)	Yes	N/R	N/R
R14 Residential Bedroom 1.0 2.09 89% 8.6 (Current: 4.5) Yes N/R N/R N/R N/R N/R N/R R15 Residential LD 1.5 2.87 100% 9.9 (Current: 5.7) Yes 55 2.87 100% 9.9 (Current: 5.7) Yes 55 2.87 100% 9.9 (Current: 5.7) Yes 55 2.87 100% 9.9 (Current: 5.7) Yes N/R N/		Plan(s)	R12	Residential	LD	1.5	2.72	100%	9.9 (Current: 5.7)	Yes	55	18
Plan(s)			R13	Residential	Bedroom	1.0	2.06	79%	8.6 (Current: 4.5)	Yes	N/R	N/R
R16			R14	Residential	Bedroom	1.0	2.09	89%	8.6 (Current: 4.5)	Yes	N/R	N/R
R16		Plan(s)	R15	Residential	LD	1.5	2.87	100%	9.9 (Current: 5.7)	Yes	55	21
Plan(s) R18 Residential Bedroom 1.0 2.10 95% 12 (Current: 2.6) Yes 54 Plan(s) R19 Residential LKD 2.0 4.07 97% Exempt: Dual Aspec Yes 60 1 F02 Plan(s) R1 Residential LKD 2.0 4.58 100% Exempt: Dual Aspec Yes 30 Plan(s) R2 Residential Bedroom 1.0 4.42 98% 11.7 (Current: 2.5) Yes 25 Plan(s) R3 Residential Bedroom 1.0 3.54 99% 10.3 (Current: 6.5) Yes 8 Plan(s) R4 Residential LKD 2.0 3.09 100% Exempt: Dual Aspec Yes N/R		. ,	R16	Residential	Bedroom	1.0	1.42	75%	9.7 (Current: 4)	Yes	N/R	N/R
Plan(s) R18 Residential Bedroom 1.0 2.10 95% 12 (Current: 2.6) Yes 54 1 Plan(s) R19 Residential LKD 2.0 4.07 97% Exempt: Dual Aspec Yes 60 1 F02 Plan(s) R1 Residential LKD 2.0 4.58 100% Exempt: Dual Aspec Yes 30 Plan(s) R2 Residential Bedroom 1.0 4.42 98% 11.7 (Current: 2.5) Yes 25 Plan(s) R3 Residential Bedroom 1.0 3.54 99% 10.3 (Current: 6.5) Yes 8 Plan(s) R4 Residential LKD 2.0 3.09 100% Exempt: Dual Aspec Yes N/R		Plan(s)	R17	Residential	Bedroom	1.0	3.16	100%	9.9 (Current: 3.7)	Yes	47	15
Plan(s) R19 Residential LKD 2.0 4.07 97% Exempt: Dual Aspec Yes 60 10			R18	Residential	Bedroom		2.10		` ,	Yes	54	18
Plan(s) R1 Residential LKD 2.0 4.58 100% Exempt: Dual Aspec Yes 30 Plan(s) R2 Residential Bedroom 1.0 4.42 98% 11.7 (Current: 2.5) Yes 25 Plan(s) R3 Residential Bedroom 1.0 3.54 99% 10.3 (Current: 6.5) Yes 8 Plan(s) R4 Residential LKD 2.0 3.09 100% Exempt: Dual Aspec Yes 10 R5 Residential Bedroom 1.0 2.30 99% 10.3 (Current: 4.2) Yes N/R N/R				Residential	LKD		4.07		, ,	Yes	60	16
Plan(s) R2 Residential Bedroom 1.0 4.42 98% 11.7 (Current: 2.5) Yes 25 Plan(s) R3 Residential Bedroom 1.0 3.54 99% 10.3 (Current: 6.5) Yes 8 Plan(s) R4 Residential LKD 2.0 3.09 100% Exempt: Dual Aspec Yes N/R N/R R6 Residential Bedroom 1.0 2.33 99% 10.3 (Current: 4.2) Yes N/R N/R Plan(s) R7 Residential LKD 2.0 3.09 100% Exempt: Dual Aspec Yes 8 Plan(s) R8 Residential Bedroom 1.0 4.54 98% 11.8 (Current: 6.5) Yes 11 Plan(s) R8 Residential Bedroom 1.0 4.54 98% 11.8 (Current: 6.5) Yes 5 Plan(s) R10 Residential Bedroom 1.0 4.54 98% 11.8 (Current: 2.5)	F02	Plan(s)	R1	Residential	LKD	2.0	4.58	100%	Exempt: Dual Aspec	Yes	30	9
Plan(s) R3 Residential Bedroom 1.0 3.54 99% 10.3 (Current: 6.5) Yes 8 Plan(s) R4 Residential LKD 2.0 3.09 100% Exempt: Dual Aspec Yes 10 R5 Residential Bedroom 1.0 2.30 99% 10.3 (Current: 4.2) Yes N/R N Plan(s) R7 Residential LKD 2.0 3.09 100% Exempt: Dual Aspec Yes 8 Plan(s) R8 Residential Bedroom 1.0 3.49 99% 10.3 (Current: 4.2) Yes N/R N Plan(s) R8 Residential Bedroom 1.0 3.49 99% 10.3 (Current: 6.5) Yes 8 11 Plan(s) R8 Residential Bedroom 1.0 4.54 98% 11.8 (Current: 6.5) Yes 5 15 Plan(s) R10 Residential LKD 2.0 5.14 100% <td< td=""><td></td><td></td><td>R2</td><td>Residential</td><td>Bedroom</td><td></td><td>4.42</td><td></td><td></td><td></td><td>25</td><td>4</td></td<>			R2	Residential	Bedroom		4.42				25	4
Plan(s) R4 Residential LKD 2.0 3.09 100% Exempt: Dual Aspec Yes 10 R5 Residential Bedroom 1.0 2.30 99% 10.3 (Current: 4.2) Yes N/R N R6 Residential Bedroom 1.0 2.33 99% 10.3 (Current: 4.2) Yes N/R N Plan(s) R7 Residential LKD 2.0 3.09 10.0% Exempt: Dual Aspec Yes N/R N Plan(s) R8 Residential Bedroom 1.0 3.49 99% 10.3 (Current: 6.5) Yes 11 Plan(s) R9 Residential Bedroom 1.0 4.54 98% 11.8 (Current: 6.5) Yes 5 Plan(s) R10 Residential LKD 2.0 5.14 100% Exempt: Dual Aspec Yes 15 Plan(s) R11 Residential LKD 2.0 5.42 99% Exempt: Dual Aspec Yes			R3	Residential	Bedroom		3.54		10.3 (Current: 6.5)	Yes	8	0
R5 Residential Bedroom 1.0 2.30 99% 10.3 (Current: 4.2) Yes N/R N R6 Residential Bedroom 1.0 2.33 99% 10.3 (Current: 4.2) Yes N/R N Plan(s) R7 Residential LKD 2.0 3.09 100% Exempt: Dual Aspec Yes 8 Plan(s) R8 Residential Bedroom 1.0 3.49 99% 10.3 (Current: 6.5) Yes 11 Plan(s) R9 Residential Bedroom 1.0 4.54 98% 11.8 (Current: 2.5) Yes 5 Plan(s) R10 Residential LKD 2.0 5.14 100% Exempt: Dual Aspec Yes 5 Plan(s) R11 Residential LKD 2.0 5.42 99% Exempt: Dual Aspec Yes 15 Plan(s) R12 Residential Bedroom 1.0 4.38 96% 12 (Current: 2.1) Yes 33				Residential	LKD		3.09	100%	, ,	Yes	10	0
R6 Residential Bedroom 1.0 2.33 99% 10.3 (Current: 4.2) Yes N/R N Plan(s) R7 Residential LKD 2.0 3.09 100% Exempt: Dual Aspec Yes 8 Plan(s) R8 Residential Bedroom 1.0 3.49 99% 10.3 (Current: 6.5) Yes 11 Plan(s) R9 Residential Bedroom 1.0 4.54 98% 11.8 (Current: 2.5) Yes 5 Plan(s) R10 Residential LKD 2.0 5.14 100% Exempt: Dual Aspec Yes 15 Plan(s) R11 Residential LKD 2.0 5.42 99% Exempt: Dual Aspec Yes 35 Plan(s) R12 Residential Bedroom 1.0 4.38 96% 12 (Current: 2.1) Yes 35 Plan(s) R13 Residential Bedroom 1.0 1.51 81% 9.9 (Current: 3.7) Yes N		,	R5	Residential	Bedroom	1.0	2.30	99%			N/R	N/R
Plan(s) R7 Residential LKD 2.0 3.09 100% Exempt: Dual Aspec Yes 8 Plan(s) R8 Residential Bedroom 1.0 3.49 99% 10.3 (Current: 6.5) Yes 11 Plan(s) R9 Residential Bedroom 1.0 4.54 98% 11.8 (Current: 2.5) Yes 5 Plan(s) R10 Residential LKD 2.0 5.14 100% Exempt: Dual Aspec Yes 35 Plan(s) R11 Residential LKD 2.0 5.42 99% Exempt: Dual Aspec Yes 35 Plan(s) R12 Residential LKD 2.0 5.42 99% Exempt: Dual Aspec Yes 35 Plan(s) R12 Residential Bedroom 1.0 4.38 96% 12 (Current: 2.1) Yes 35 Plan(s) R13 Residential Bedroom 1.0 1.51 81% 9.9 (Current: 3.7) Yes			R6	Residential	Bedroom	1.0	2.33	99%	10.3 (Current: 4.2)	Yes	N/R	N/R
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Plan(s) R10 Residential LKD 2.0 5.14 100% Exempt: Dual Aspec Yes 15 Plan(s) R11 Residential LKD 2.0 5.42 99% Exempt: Dual Aspec Yes 35 Plan(s) R12 Residential Bedroom 1.0 4.38 96% 12 (Current: 2.1) Yes 33 Plan(s) R13 Residential Bedroom 1.0 3.14 88% 9.9 (Current: 3.7) Yes 51 11 R14 Residential Bedroom 1.0 1.51 81% 9.7 (Current: 4) Yes N/R										Yes		0
Plan(s) R11 Residential LKD 2.0 5.42 99% Exempt: Dual Aspec Yes 35 Plan(s) R12 Residential Bedroom 1.0 4.38 96% 12 (Current: 2.1) Yes 33 Plan(s) R13 Residential Bedroom 1.0 3.14 88% 9.9 (Current: 3.7) Yes 51 11 R14 Residential Bedroom 1.0 1.51 81% 9.7 (Current: 4) Yes N/R N Plan(s) R15 Residential LD 1.5 2.78 100% 9.9 (Current: 5.7) Yes 55 1 R16 Residential Bedroom 1.0 2.11 82% 8.6 (Current: 4.5) Yes N/R N Plan(s) R18 Residential LD 1.5 2.93 100% 9.9 (Current: 5.7) Yes 56 2 R19 Residential Bedroom 1.0 1.46 74% 9.7 (Current: 4) <		Plan(s)	R10	Residential	LKD	2.0	5.14	100%		Yes	15	3
Plan(s) R12 Residential Bedroom 1.0 4.38 96% 12 (Current: 2.1) Yes 33 Plan(s) R13 Residential Bedroom 1.0 3.14 88% 9.9 (Current: 3.7) Yes 51 11 R14 Residential Bedroom 1.0 1.51 81% 9.7 (Current: 4) Yes N/R N Plan(s) R15 Residential LD 1.5 2.78 100% 9.9 (Current: 5.7) Yes 55 14 R16 Residential Bedroom 1.0 2.11 82% 8.6 (Current: 4.5) Yes N/R N R17 Residential Bedroom 1.0 2.14 90% 8.6 (Current: 4.5) Yes N/R N Plan(s) R18 Residential LD 1.5 2.93 100% 9.9 (Current: 5.7) Yes 56 2 R19 Residential Bedroom 1.0 1.46 74% 9.7 (Current: 4) Yes N/R N Plan(s) R20 Residential Bedroo			R11	Residential	LKD		5.42	99%	Exempt: Dual Aspec	Yes	35	7
Plan(s) R13 Residential Bedroom 1.0 3.14 88% 9.9 (Current: 3.7) Yes 51 1 R14 Residential Bedroom 1.0 1.51 81% 9.7 (Current: 4) Yes N/R N Plan(s) R15 Residential LD 1.5 2.78 100% 9.9 (Current: 5.7) Yes 55 1 R16 Residential Bedroom 1.0 2.11 82% 8.6 (Current: 4.5) Yes N/R N R17 Residential Bedroom 1.0 2.14 90% 8.6 (Current: 4.5) Yes N/R N Plan(s) R18 Residential LD 1.5 2.93 100% 9.9 (Current: 5.7) Yes 56 2 R19 Residential Bedroom 1.0 1.46 74% 9.7 (Current: 4) Yes N/R N Plan(s) R20 Residential Bedroom 1.0 3.24 100% 9.9 (Current: 3.7) Yes 50 1 Plan(s) R21 Residential			R12		Bedroom		4.38		12 (Current: 2.1)	Yes	33	6
R14 Residential Bedroom 1.0 1.51 81% 9.7 (Current: 4) Yes N/R N Plan(s) R15 Residential LD 1.5 2.78 100% 9.9 (Current: 5.7) Yes 55 1 R16 Residential Bedroom 1.0 2.11 82% 8.6 (Current: 4.5) Yes N/R N R17 Residential Bedroom 1.0 2.14 90% 8.6 (Current: 4.5) Yes N/R N Plan(s) R18 Residential LD 1.5 2.93 100% 9.9 (Current: 5.7) Yes 56 2 R19 Residential Bedroom 1.0 1.46 74% 9.7 (Current: 4) Yes N/R N Plan(s) R20 Residential Bedroom 1.0 3.24 100% 9.9 (Current: 3.7) Yes 50 10 Plan(s) R21 Residential Bedroom 1.0 2.22 95% 12 (Current: 2.6) Yes 57 2			R13	Residential	Bedroom	1.0	3.14	88%		Yes	51	17
Plan(s) R15 Residential LD 1.5 2.78 100% 9.9 (Current: 5.7) Yes 55 1 R16 Residential Bedroom 1.0 2.11 82% 8.6 (Current: 4.5) Yes N/R N R17 Residential Bedroom 1.0 2.14 90% 8.6 (Current: 4.5) Yes N/R N Plan(s) R18 Residential LD 1.5 2.93 100% 9.9 (Current: 5.7) Yes 56 2 R19 Residential Bedroom 1.0 1.46 74% 9.7 (Current: 4) Yes N/R N Plan(s) R20 Residential Bedroom 1.0 3.24 100% 9.9 (Current: 3.7) Yes 50 10 Plan(s) R21 Residential Bedroom 1.0 2.22 95% 12 (Current: 2.6) Yes 57 2		. ,	R14	Residential	Bedroom			81%		Yes	N/R	N/R
R16 Residential Bedroom 1.0 2.11 82% 8.6 (Current: 4.5) Yes N/R N R17 Residential Bedroom 1.0 2.14 90% 8.6 (Current: 4.5) Yes N/R N Plan(s) R18 Residential LD 1.5 2.93 100% 9.9 (Current: 5.7) Yes 56 2 R19 Residential Bedroom 1.0 1.46 74% 9.7 (Current: 4) Yes N/R N Plan(s) R20 Residential Bedroom 1.0 3.24 100% 9.9 (Current: 3.7) Yes 50 11 Plan(s) R21 Residential Bedroom 1.0 2.22 95% 12 (Current: 2.6) Yes 57 22		Plan(s)	R15	Residential	LD			100%	9.9 (Current: 5.7)	Yes	55	18
R17 Residential Bedroom 1.0 2.14 90% 8.6 (Current: 4.5) Yes N/R N Plan(s) R18 Residential LD 1.5 2.93 100% 9.9 (Current: 5.7) Yes 56 2 R19 Residential Bedroom 1.0 1.46 74% 9.7 (Current: 4) Yes N/R N Plan(s) R20 Residential Bedroom 1.0 3.24 100% 9.9 (Current: 3.7) Yes 50 11 Plan(s) R21 Residential Bedroom 1.0 2.22 95% 12 (Current: 2.6) Yes 57 22		. ,	R16		Bedroom			82%		Yes		N/R
Plan(s) R18 Residential LD 1.5 2.93 100% 9.9 (Current: 5.7) Yes 56 2 R19 Residential Bedroom 1.0 1.46 74% 9.7 (Current: 4) Yes N/R N Plan(s) R20 Residential Bedroom 1.0 3.24 100% 9.9 (Current: 3.7) Yes 50 11 Plan(s) R21 Residential Bedroom 1.0 2.22 95% 12 (Current: 2.6) Yes 57 22												N/R
R19 Residential Bedroom 1.0 1.46 74% 9.7 (Current: 4) Yes N/R N Plan(s) R20 Residential Bedroom 1.0 3.24 100% 9.9 (Current: 3.7) Yes 50 1 Plan(s) R21 Residential Bedroom 1.0 2.22 95% 12 (Current: 2.6) Yes 57 2		Plan(s)										21
Plan(s) R20 Residential Bedroom 1.0 3.24 100% 9.9 (Current: 3.7) Yes 50 1 Plan(s) R21 Residential Bedroom 1.0 2.22 95% 12 (Current: 2.6) Yes 57 2		, ,			Bedroom				, ,			N/R
Plan(s) R21 Residential Bedroom 1.0 2.22 95% 12 (Current: 2.6) Yes 57		Plan(s)										17
												21
												20
Block B	Block	В										

Daylight Sunlight Self-test

Project : XXXXX - XYZ Road,London,E3

Date: DD/MM/YYYY

Scheme: XX/XX/YYYY/MM/DD Scenario: Existing v Proposed



Property & room attributes						Daylight (BRE)					
E. E. Room					AD)F	NSL	Room depth crite	APSH room		
Floor	Flat no.	ref.	Property type	Room use	Target (%)	ADF (%)	(% room)	Limit (current) (m)	Criterio n met?	Annual (%)	Winter (%)
F01		R1	Residential	Bedroom	1.0	3.04	80%	10.2 (Current: 6.6)	Yes	N/R	N/R
		R2	Residential	Bedroom	1.0	3.32	99%	11.7 (Current: 2.5)	Yes	N/R	N/R
	Plan(s)	R3	Residential	LKD	2.0	2.21	94%	9.8 (Current: 4.6)	Yes	24	2
	Plan(s)	R4	Residential	Bedroom	1.0	2.06	98%	9.7 (Current: 4)	Yes	23	3
	Plan(s)	R5	Residential	LD	1.5	3.40	100%	9.9 (Current: 5.7)	Yes	25	5
	Plan(s)	R6	Residential	Bedroom	1.0	2.77	99%	8.6 (Current: 4.5)	Yes	25	5
		R7	Residential	Bedroom	1.0	2.82	99%	8.5 (Current: 4.5)	Yes	N/R	N/R
	Plan(s)	R8	Residential	LD	1.5	3.61	100%	9.8 (Current: 5.7)	Yes	25	5
	Plan(s)	R9	Residential	Bedroom	1.0	1.82	98%	9.7 (Current: 4)	Yes	24	4
	Plan(s)	R10	Residential	Bedroom	1.0	5.54	100%	9.7 (Current: 3.7)	Yes	19	2
	Plan(s)	R11	Residential	Bedroom	1.0	2.45	99%	12 (Current: 2.7)	Yes	45	15
	Plan(s)	R12	Residential	LKD	2.0	5.55	100%	Exempt: Dual Aspec	Yes	52	20
	Plan(s)	R13	Residential	LKD	2.0	5.11	100%	Exempt: Dual Aspec	Yes	73	27
	Plan(s)	R14	Residential	Bedroom	1.0	5.28	99%	11.6 (Current: 2.5)	Yes	65	27
		R15	Residential	Bedroom	1.0	4.28	100%	10.2 (Current: 4.3)	Yes	N/R	N/R
	Plan(s)	R16	Residential	LKD	2.0	2.93	84%	Exempt: Dual Aspec	Yes	47	18
		R17	Residential	Bedroom	1.0	2.48	86%	10.3 (Current: 4.2)	Yes	N/R	N/R
		R18	Residential	Bedroom	1.0	2.56	87%	10.3 (Current: 4.2)	Yes	N/R	N/R
	Plan(s)	R19	Residential	LKD	2.0	2.94	92%	Exempt: Dual Aspec	Yes	44	14
F02	Plan(s)	R1	Residential	LKD	2.0	5.47	99%	Exempt: Dual Aspec	Yes	48	17
	Plan(s)	R2	Residential	Bedroom	1.0	3.23	82%	10.9 (Current: 3.3)	Yes	26	3
	Plan(s)	R3	Residential	LD	1.5	3.84	83%	12.2 (Current: 4.1)	Yes	8	0
	Plan(s)	R4	Residential	Bedroom	1.0	3.86	96%	12.1 (Current: 4.5)	Yes	7	0
	Plan(s)	R5	Residential	Bedroom	1.0	3.96	92%	11 (Current: 3.3)	Yes	5	0
	Plan(s)	R6	Residential	LKD	2.0	4.70	100%	Exempt: Dual Aspec	Yes	26	6
	Plan(s)	R7	Residential	LKD	2.0	2.83	100%	10.3 (Current: 6.9)	Yes	20	2
	Plan(s)	R8	Residential	Bedroom	1.0	4.02	100%	10.3 (Current: 4.1)	Yes	26	6
		R9	Residential	Bedroom	1.0	2.89	99%	8.5 (Current: 4.5)	Yes	N/R	N/R
	Plan(s)	R10	Residential	LD	1.5	3.68	100%	9.8 (Current: 5.7)	Yes	26	6
	Plan(s)	R11	Residential	Bedroom	1.0	1.86	98%	9.7 (Current: 4)	Yes	25	5
	Plan(s)	R12	Residential	Bedroom	1.0	4.11	100%	9.9 (Current: 3.7)	Yes	20	2
	Plan(s)	R13	Residential	Bedroom	1.0	2.51	99%	12 (Current: 2.7)	Yes	47	16
	Plan(s)	R14	Residential	LKD	2.0	5.55	100%	Exempt: Dual Aspec	Yes	52	21
	Plan(s)	R15	Residential	LKD	2.0	5.11	100%	Exempt: Dual Aspec	Yes	75	28
	Plan(s)	R16	Residential	Bedroom	1.0	5.36	99%	11.6 (Current: 2.5)	Yes	66	27
	(-/	R17	Residential	Bedroom	1.0	4.42	100%	10.2 (Current: 4.3)	Yes	N/R	N/R
	Plan(s)	R18	Residential	LKD	2.0	3.01	92%	Exempt: Dual Aspec	Yes	49	18
	(0)	R19	Residential	Bedroom	1.0	2.24	100%	10.3 (Current: 4.2)	Yes	N/R	N/R
		R20	Residential	Bedroom	1.0	2.30	99%	10.3 (Current: 4.2)	Yes	N/R	N/R
	Plan(s)	R21	Residential	LKD	2.0	3.00	99%	Exempt: Dual Aspec	Yes	45	14
	i iaii(s)	1141	residertial	LIND	2.0	5.00	33/0	Exempt. Dual Aspec	163	70	14



