

Our ref: TR-L/Kilburn High Road/LQ

Your ref:

For att: Laurence Quail
254 Kilburn High Road LLP
254 Kilburn High Road
London
NW6 2BS

8 October 2015

Dear Laurence

**Daylight & Sunlight Levels within the Proposed Scheme at
254 Kilburn High Road, London NW6 2BS**

Following receipt of the amended Claridge Architect's drawings, received on 5 October 2015, we have undertaken further daylight amenity studies for the residential accommodation within the proposed scheme. Our analysis shows that the minor amendments will improve the daylight amenity levels with an increase in the number of Living/Dining/Kitchen (LKD) rooms seeing full BRE Report¹ compliance.

As you will be aware, the proposed scheme (Application Number: 2015/2775/P) achieved a very high Average Daylight Factor (ADF) compliance rate of 90%. This was a significant improvement over the previously submitted scheme (2014/3244/P), which saw a compliance rate of 78.6%. The proposed scheme sees 41 of the 59 LKDs see full BRE Report compliance with 53 LKDs seeing ADF values in excess of 1.5%.

As discussed in the submitted Daylight and Sunlight report, the guidance ADF values for kitchens is 2% and the guidance value for living rooms is 1.5%.

The recent revisions will see 42 LKDs achieving full BRE Report compliance. The main revision has been to review the layout of units 109 and 210. The revisions see the LKD for unit 210 now achieve full BRE Report compliance and the LKD for unit 109 see the ADF improved from 0.62% to 1.82%, only marginally below the 2% guidance value. The revisions also see the number of LKDs seeing in excess of 1.5% ADF rise from 53 to 55 equating to 93% of the living spaces seeing ADF values above the guidance for living areas. Below is a table summarising the ADF results for each scheme discussed.

Analysis type	Previous Scheme (2014/3244/P)	Proposed Scheme (2015/2775/P)	Minor revisions to 2015/2775/P Scheme
Average Daylight Factor (ADF) LKDs above 2%	27/62 (43.5%)	41/59 (69.5%)	42/59 (72.7%)
Average Daylight Factor (ADF) LKDs above 1.5%	44/62 (71%)	53/59 (89.8%)	55/59 (93.2%)

¹ British Research Establishment Site Layout Planning for Daylight and Sunlight, a guide to good practice

Daylight distribution analysis of the current scheme shows that 185 of 187 room complied with the BRE Report guidance of daylight penetration to over 80% of the room's area. This level of compliance (99%) will be slightly revised by the revisions as the improvements to the transgressing LKDs will see a bedroom (room R5%) slightly transgress the BRE Report guidance. Room R5 will see daylight distribution to 68.56% of the room area. This level of daylight penetration within a bedroom would be considered as above expectations for an urban area.

The revisions to unit 109 and 210 will see the daylight distribution values for the LKDs within the units improve from 41.08% and 68.58% to 60.47% and 75.63% a significant improvement comparing favourably with the BRE Report guidance of 80%. Study of the daylight distribution contours on drawings J031611/10 and /11 shows daylight penetration will occur to the majority of the living and dining area aspects of the LKDs. The BRE Report gives the following guidance with regards to rooms containing kitchens:

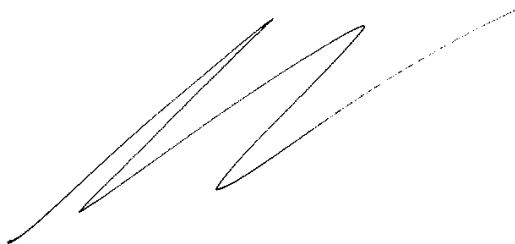
“Non-daylit internal kitchens should be avoided wherever possible, especially if the kitchen is used as a dining area too. If the layout means that a small internal galley-type kitchen is inevitable, it should be directly linked to a well daylit living room.”

The analysis shows that the kitchens will be directly linked to a well daylit living area in line with the above guidance.

Our analysis shows that the minor revisions will improve the daylight levels to those few rooms previously transgressing BRE Report guidance

If you have any further queries, please do not hesitate to contact me.

Yours sincerely



Toby Rogan-Lyons
Senior Surveyor

toby.rogan-lyons@glhearn.com






Enc. Drawings J031611/10 to 13
Analysis spreadsheets for ADF and Daylight Distribution.

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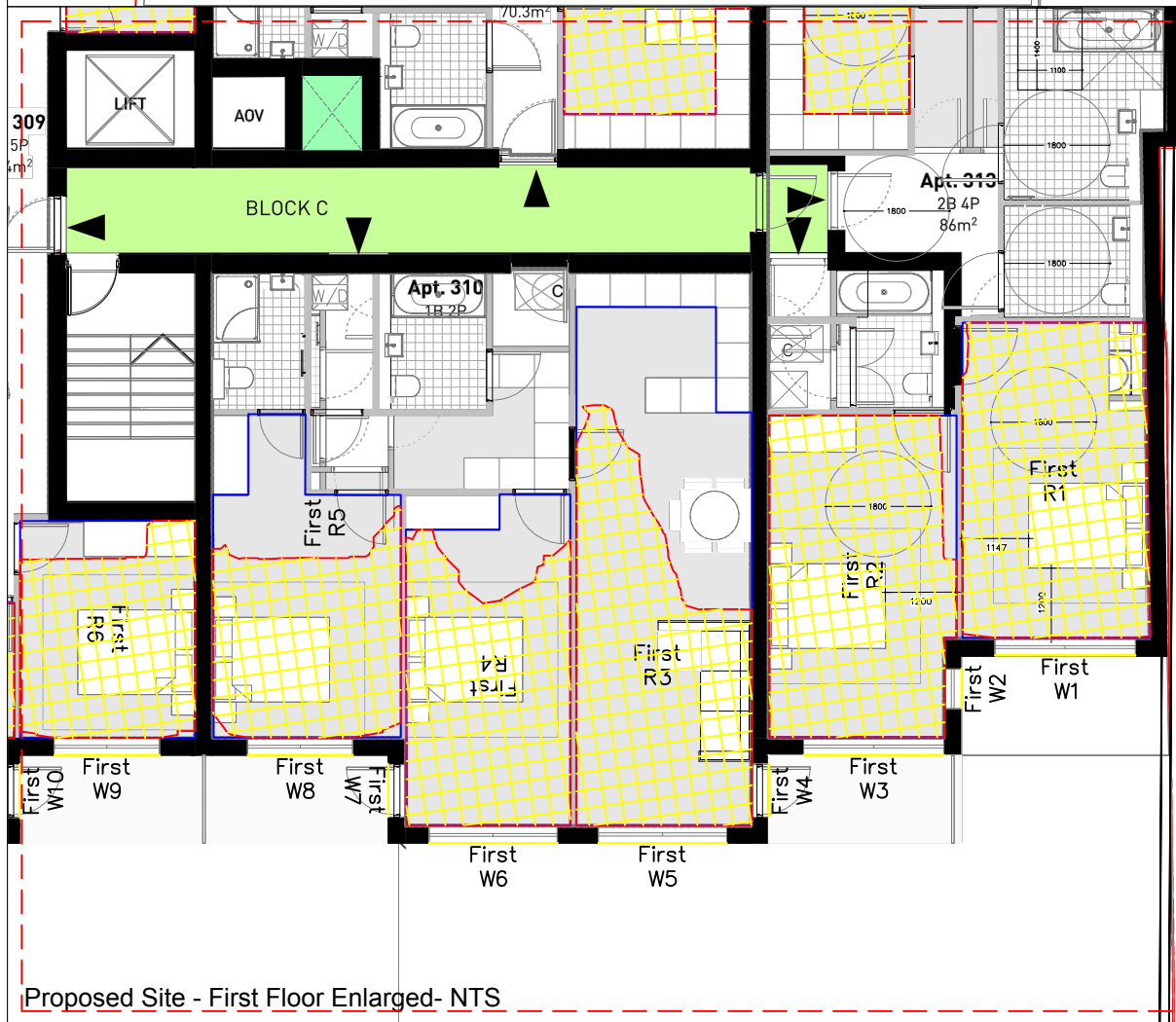
NOTES :
 INFORMATION USED IN ANALYSIS:
 From - Claridge Architects
 Rec - 21/03/2014 - Topo Survey, Existing Elevations
 Proposed Scheme Drawings
 Rec. 05/10/2015

PLAN KEY:

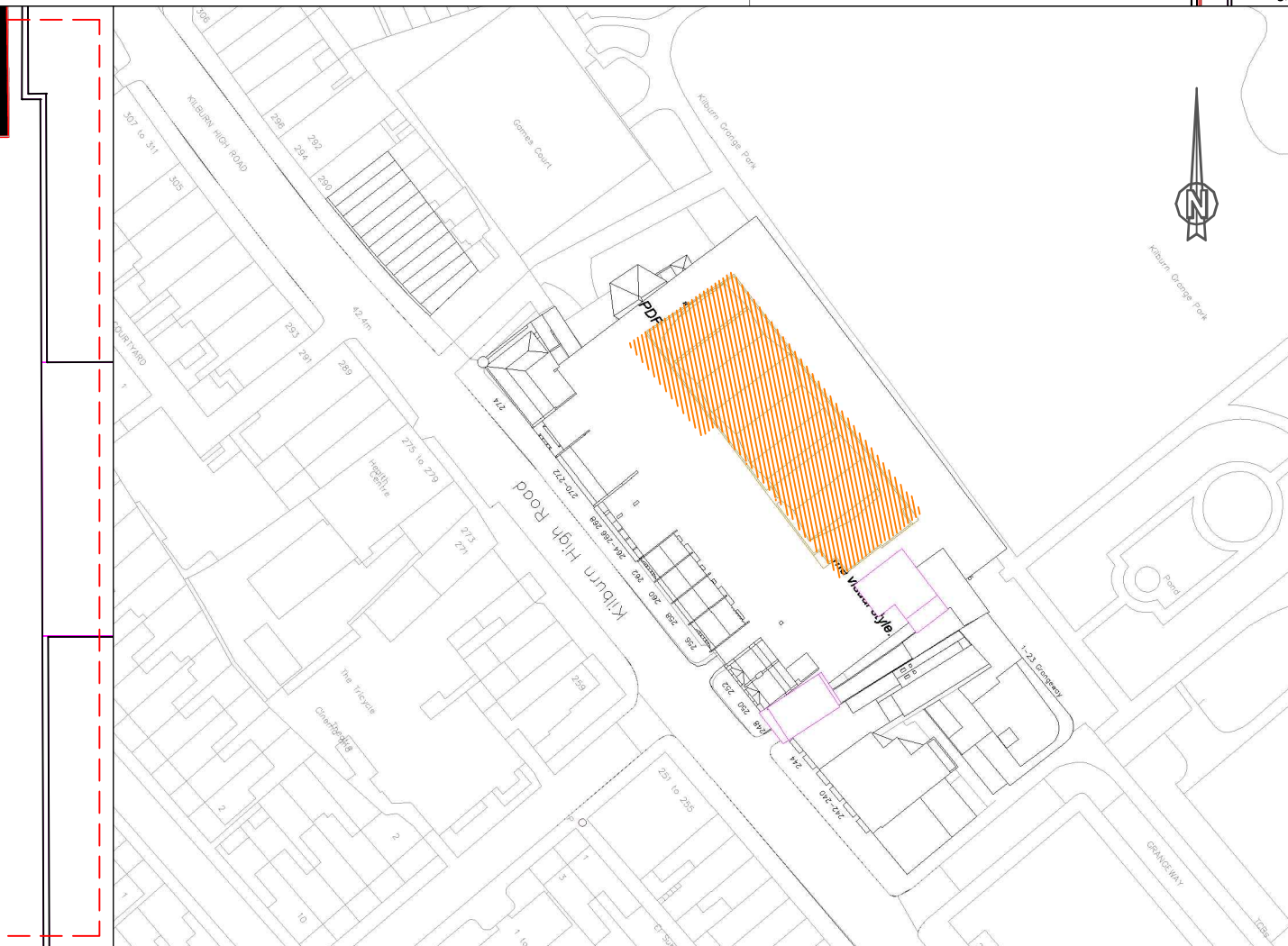
-  Existing Buildings and Structures
-  Room Layout
-  Proposed Contour
-  Area of Visible Skyline
-  Building Location on site



Proposed Site - First Floor



Proposed Site - First Floor Enlarged- NTS



280 High Holborn, London, WC1V 7EE
 T: +44 (0)20 7851 4900
 F: +44 (0)20 7851 4910

PROJECT:
 Kilburn High Road

CLIENT:
 254 Kilburn High Road
 LLP

DRAWING TITLE:
 Daylight Distribution Contours
 254 - Kilburn High Road

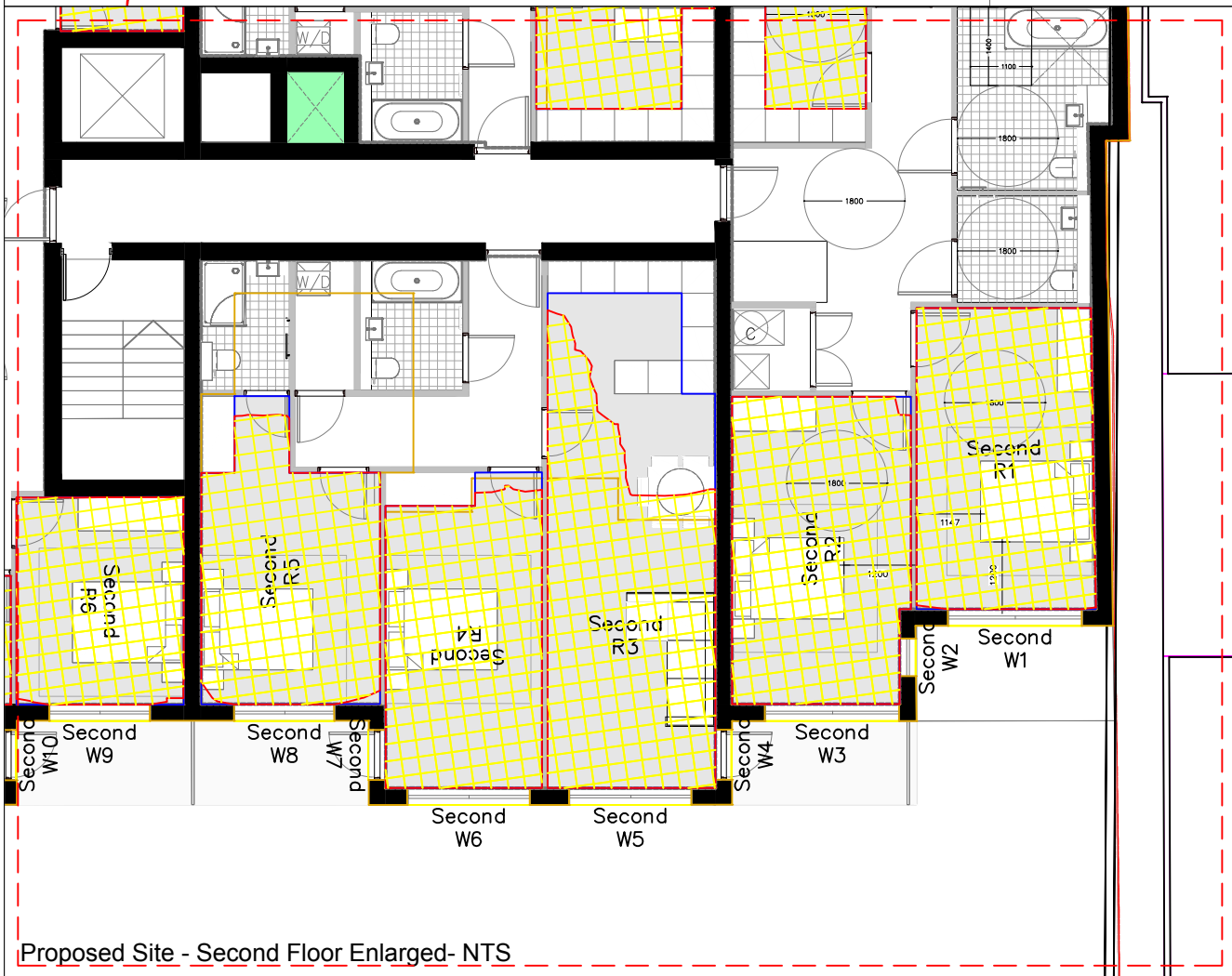
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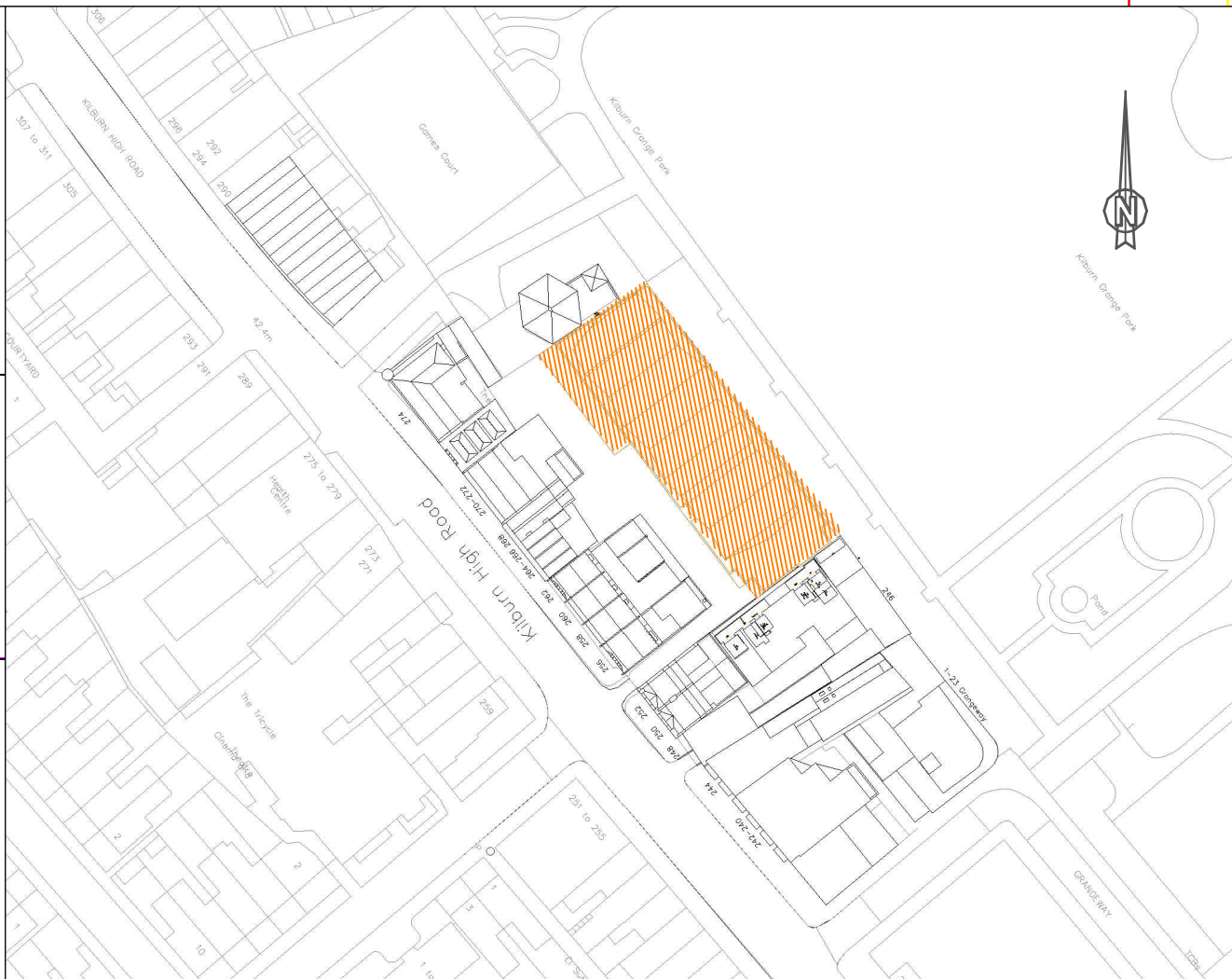
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Proposed Site - Second Floor



Proposed Site - Second Floor Enlarged- NTS



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Proposed Scheme Drawings
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- PLAN KEY:
- Existing Buildings and Structures
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PROJECT:
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CLIENT:
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LLP

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Daylight Distribution Contours
254 - Kilburn High Road

DRAWING NO: J031611/11	REVISION: A
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Proposed Site - Third Floor

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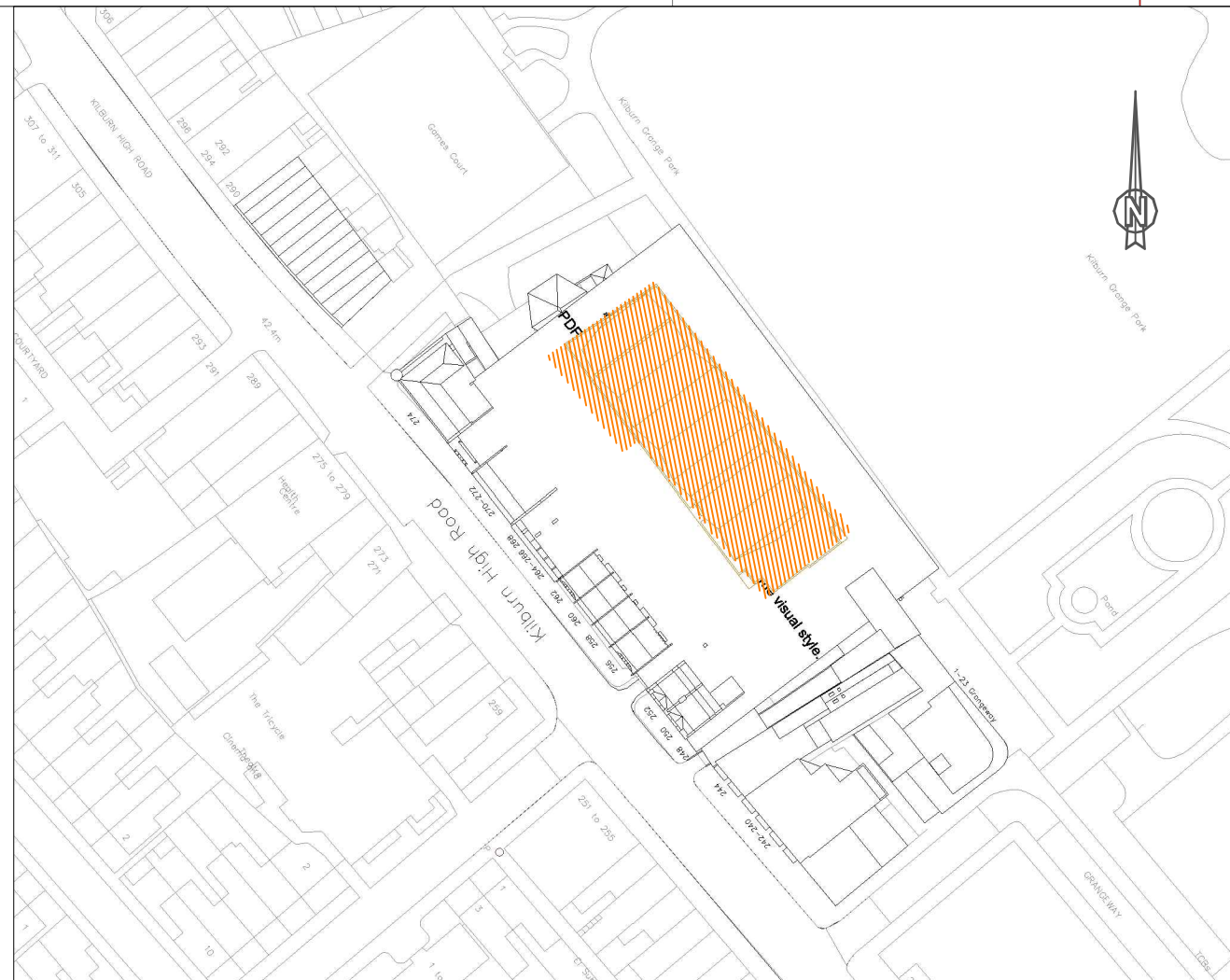
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Elevations

Proposed Scheme Drawings
Rec. 05/10/2015

- PLAN KEY:
- Existing Buildings and Structures
 - Room Layout
 - Proposed Contour
 - Area of Visible Skyline
 - Building Location on site



280 High Holborn, London, WC1V 7EE
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PROJECT:
Kilburn High Road

CLIENT:
254 Kilburn High Road
LLP

DRAWING TITLE:
Daylight Distribution Contours
254 - Kilburn High Road
(Proposed Appeal Scheme)

DRAWING NO: J031611/12	REVISION: A
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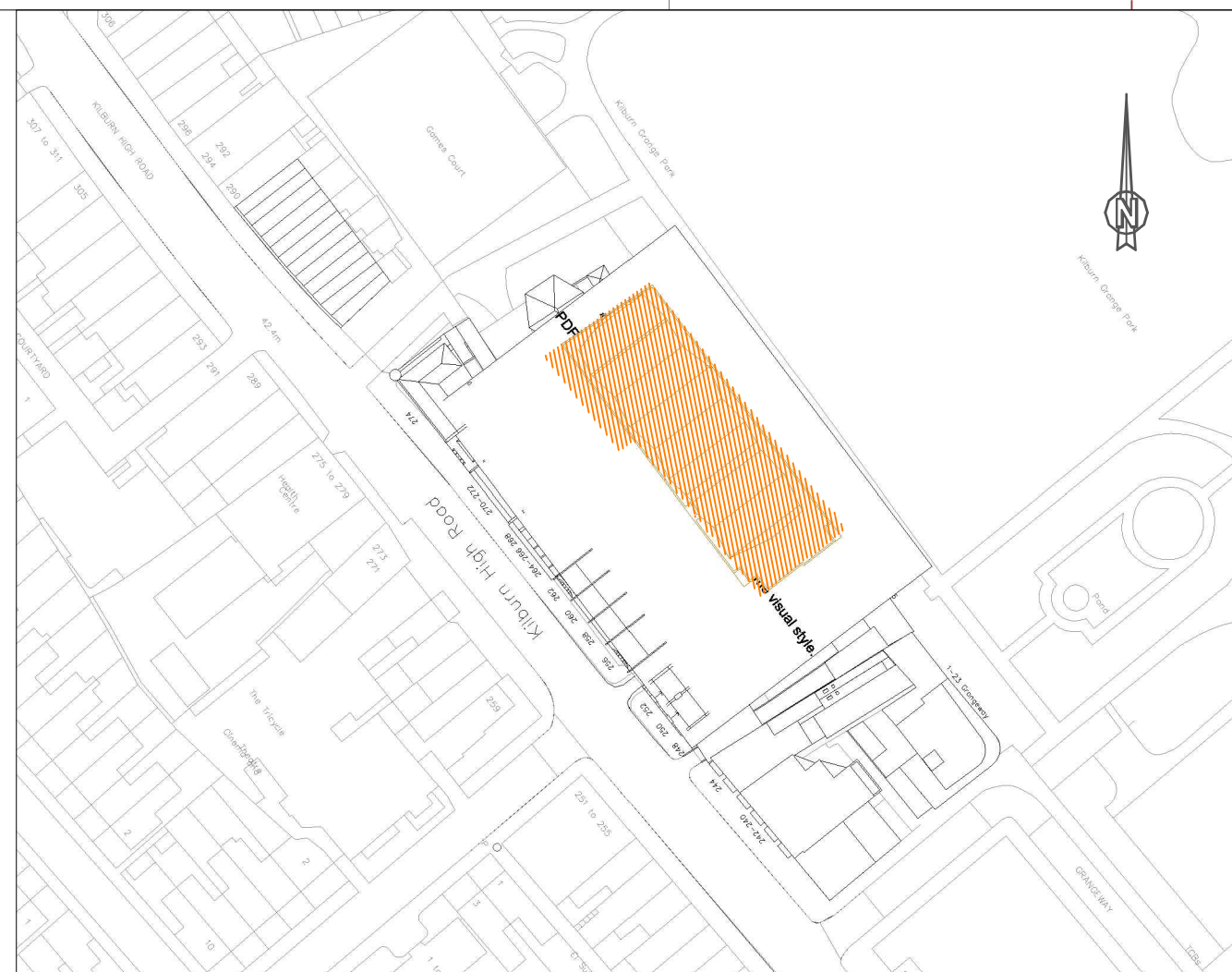
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 Rec - 21/03/2014 - Topo Survey, Existing
 Elevations

Proposed Scheme Drawings
 Rec. 05/10/2015

PLAN KEY:
 Existing Buildings and Structures
 Room Layout
 Proposed Contour
 Area of Visible Skyline
 Building Location on site



Proposed Site - Fourth Floor



280 High Holborn, London, WC1V 7EE
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PROJECT:
 Kilburn High Road

CLIENT:
 254 Kilburn High Road
 LLP

DRAWING TITLE:
 Daylight Distribution Contours
 254 - Kilburn High Road

DRAWING NO:
 J031611/13

REVISION:
 A

DATE:
 06/10/15

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Floor Ref.	Room Ref.	Room Use	Window Ref.	ADF Proposed	Req'd Value
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Proposed Scheme

First	R1	Bedroom	W1-L	0.16	1
			W1-U	2.01	
				2.17	
First	R2	Bedroom	W2-L	0.04	1
			W2-U	0.45	
			W3-L	0.13	
			W3-U	1.05	
				1.67	
First	R3	LKD	W4-L	0.03	2
			W4-U	0.22	
			W5-L	0.11	
			W5-U	1.45	
				1.82	
First	R4	Bedroom	W6-L	0.17	1
			W6-U	2.23	
			W7-L	0.04	
			W7-U	0.38	
				2.82	
First	R5	Bedroom	W8-L	0.10	1
			W8-U	0.77	
				0.87	
First	R6	Bedroom	W9-L	0.13	1
			W9-U	1.02	
				1.15	
First	R7	Bedroom	W10-L	0.04	1
			W10-U	0.35	
			W11-L	0.19	
			W11-U	2.40	
				2.98	
First	R8	Bedroom	W12-L	0.15	1
			W12-U	1.28	
				1.44	
First	R9	Bedroom	W13-L	0.03	1
			W13-U	0.28	
			W14-L	0.16	
			W14-U	2.04	
				2.51	
First	R10	LKD	W15-L	0.14	2
			W15-U	1.82	
			W16-L	0.03	
			W16-U	0.29	
				2.29	
First	R11	Bedroom	W17-L	0.13	1
			W17-U	1.06	
				1.19	
First	R12	Bedroom	W18-L	0.14	1
			W18-U	1.20	
				1.34	

Floor Ref.	Room Ref.	Room Use	Window Ref.	ADF Proposed	Req'd Value
First	R13	Bedroom	W19-L	0.04	1
			W19-U	0.36	
			W20-L	0.20	
			W20-U	2.53	
				3.13	
First	R14	Bedroom	W21-L	0.20	1
			W21-U	2.52	
			W22-L	0.04	
			W22-U	0.40	
				3.16	
First	R15	Bedroom	W23-L	0.20	1
			W23-U	1.63	
				1.83	
First	R16	Bedroom	W24-L	0.15	1
			W24-U	1.21	
				1.36	
First	R17	Bedroom	W25-L	0.04	1
			W25-U	0.36	
			W26-L	0.19	
			W26-U	2.38	
				2.96	
First	R18	Bedroom	W27-L	0.17	1
			W27-U	2.14	
			W28-L	0.03	
			W28-U	0.33	
			W29-L	0.03	
			W29-U	0.29	
				3.00	
First	R19	LKD	W30-L	0.12	2
			W30-U	1.00	
			W31-L	0.05	
			W31-U	0.75	
			W32-L	0.09	
			W32-U	1.27	
				3.29	
First	R20	LKD	W33-L	0.13	2
			W33-U	1.70	
			W34-L	0.11	
			W34-U	1.39	
			W35-L	0.11	
			W35-U	1.03	
				4.46	
First	R21	Bedroom	W36-L	0.20	1
			W36-U	2.38	
			W37-L	0.04	
			W37-U	0.39	
				3.01	
First	R22	Bedroom	W38-L	0.21	1
			W38-U	1.90	
				2.12	

Floor Ref.	Room Ref.	Room Use	Window Ref.	ADF Proposed	Req'd Value
First	R23	Bedroom	W39-L	0.17	1
			W39-U	1.55	
				1.72	
First	R24	Bedroom	W40-L	0.15	1
			W40-U	1.33	
				1.47	
First	R25	LKD	W41-L	0.16	2
			W41-U	1.46	
				1.63	
First	R26	LKD	W42-L	0.16	2
			W42-U	1.46	
				1.63	
First	R27	Bedroom	W43-L	0.15	1
			W43-U	1.36	
				1.51	
First	R28	Bedroom	W44-L	0.23	1
			W44-U	2.01	
				2.24	
First	R29	Bedroom	W45-L	0.24	1
			W45-U	2.17	
				2.41	
First	R30	LKD	W46-L	0.03	2
			W46-U	0.30	
			W47-L	0.14	
			W47-U	1.76	
				2.23	
First	R31	LKD	W48-L	0.13	2
			W48-U	1.24	
				1.37	
First	R32	LKD	W49-L	0.17	2
			W49-U	1.52	
				1.69	
First	R33	Bedroom	W50-L	0.14	1
			W50-U	1.30	
				1.44	
First	R34	Bedroom	W51-L	0.23	1
			W51-U	2.02	
				2.25	
First	R35	Bedroom	W52-L	0.24	1
			W52-U	2.19	
				2.44	
First	R36	LKD	W53-L	0.03	2
			W53-U	0.30	
			W54-L	0.17	
			W54-U	2.12	
				2.62	
First	R37	LKD	W55-L	0.18	2
			W55-U	2.22	
			W56-L	0.03	
			W56-U	0.26	
				2.69	

Floor Ref.	Room Ref.	Room Use	Window Ref.	ADF Proposed	Req'd Value
First	R38	Bedroom	W57-L	0.14	1
			W57-U	1.35	
				1.50	
Second	R1	Bedroom	W1-L	0.17	1
			W1-U	2.18	
				2.36	
Second	R2	Bedroom	W2-L	0.04	1
			W2-U	0.48	
			W3-L	0.15	
			W3-U	1.29	
				1.95	
Second	R3	LKD	W4-L	0.03	2
			W4-U	0.26	
			W5-L	0.13	
			W5-U	1.61	
				2.03	
Second	R4	Bedroom	W6-L	0.19	1
			W6-U	2.46	
			W7-L	0.04	
			W7-U	0.41	
				3.11	
Second	R5	Bedroom	W8-L	0.11	1
			W8-U	0.95	
				1.07	
Second	R6	Bedroom	W9-L	0.15	1
			W9-U	1.25	
				1.40	
Second	R7	Bedroom	W10-L	0.04	1
			W10-U	0.39	
			W11-L	0.21	
			W11-U	2.64	
				3.28	
Second	R8	Bedroom	W12-L	0.17	1
			W12-U	1.53	
				1.70	
Second	R9	Bedroom	W13-L	0.03	1
			W13-U	0.31	
			W14-L	0.18	
			W14-U	2.23	
				2.75	
Second	R10	LKD	W15-L	0.16	2
			W15-U	2.00	
			W16-L	0.03	
			W16-U	0.31	
				2.50	
Second	R11	Bedroom	W17-L	0.14	1
			W17-U	1.25	
				1.39	
Second	R12	Bedroom	W18-L	0.16	1
			W18-U	1.40	
				1.56	

Floor Ref.	Room Ref.	Room Use	Window Ref.	ADF Proposed	Req'd Value
Second	R13	Bedroom	W19-L	0.04	1
			W19-U	0.40	
			W20-L	0.22	
			W20-U	2.77	
				3.43	
Second	R14	Bedroom	W21-L	0.22	1
			W21-U	2.77	
			W22-L	0.04	
			W22-U	0.43	
				3.46	
Second	R15	Bedroom	W23-L	0.22	1
			W23-U	1.92	
				2.13	
Second	R16	Bedroom	W24-L	0.19	1
			W24-U	1.69	
				1.88	
Second	R17	LKD	W25-L	0.03	2
			W25-U	0.31	
			W26-L	0.16	
			W26-U	2.03	
				2.53	
Second	R18	Bedroom	W27-L	0.21	1
			W27-U	2.63	
			W28-L	0.04	
			W28-U	0.40	
				3.28	
Second	R19	Bedroom	W29-L	0.04	1
			W29-U	0.40	
			W30-L	0.22	
			W30-U	1.91	
			W31-L	0.11	
			W31-U	1.36	
				4.04	
Second	R20	Bedroom	W32-L	0.26	1
			W32-U	3.22	
				3.48	
Second	R21	Kitchen	W58	2.36	2
				2.36	
Second	R22	LD	W33-L	0.16	1.5
			W33-U	1.94	
			W34-L	0.12	
			W34-U	1.52	
			W35-L	0.12	
			W35-U	1.10	
				4.95	
Second	R23	LKD	W36-L	0.14	2
			W36-U	1.73	
			W37-L	0.03	
			W37-U	0.28	
				2.19	

Floor Ref.	Room Ref.	Room Use	Window Ref.	ADF Proposed	Req'd Value
Second	R24	Bedroom	W40-L	0.15	1
			W40-U	1.33	
				1.47	
Second	R25	LKD	W41-L	0.16	2
			W41-U	1.46	
				1.63	
Second	R26	LKD	W42-L	0.16	2
			W42-U	1.46	
				1.63	
Second	R27	Bedroom	W43-L	0.15	1
			W43-U	1.36	
				1.51	
Second	R28	Bedroom	W44-L	0.23	1
			W44-U	2.02	
				2.25	
Second	R29	Bedroom	W45-L	0.24	1
			W45-U	2.15	
				2.40	
Second	R30	LKD	W46-L	0.03	2
			W46-U	0.30	
			W47-L	0.15	
			W47-U	1.77	
				2.24	
Second	R31	LKD	W48-L	0.21	2
			W48-U	1.01	
				1.22	
Second	R32	LKD	W49-L	0.17	2
			W49-U	1.53	
				1.70	
Second	R33	Bedroom	W50-L	0.14	1
			W50-U	1.30	
				1.44	
Second	R34	Bedroom	W51-L	0.23	1
			W51-U	2.04	
				2.26	
Second	R35	Bedroom	W52-L	0.23	1
			W52-U	2.10	
				2.34	
Second	R36	LKD	W53-L	0.03	2
			W53-U	0.30	
			W54-L	0.17	
			W54-U	2.12	
				2.63	
Second	R37	LKD	W55-L	0.18	2
			W55-U	2.22	
			W56-L	0.03	
			W56-U	0.30	
				2.74	
Second	R38	Bedroom	W57-L	0.16	1
			W57-U	1.48	
				1.64	

Floor Ref.	Room Ref.	Room Use	Window Ref.	ADF Proposed	Req'd Value
Second	R39	Bedroom	W38-L	0.24	1
			W38-U	2.11	
				2.35	
Second	R40	Bedroom	W39-L	0.23	1
			W39-U	2.04	
				2.27	
Third	R1	Bedroom	W1-L	0.24	1
			W1-U	2.97	
				3.20	
Third	R2	Bedroom	W2-L	0.05	1
			W2-U	0.63	
			W3-L	0.21	
			W3-U	1.86	
				2.75	
Third	R3	LKD	W4-L	0.04	2
			W4-U	0.34	
			W5-L	0.16	
			W5-U	2.07	
				2.62	
Third	R4	LKD	W6-L	0.16	2
			W6-U	2.07	
			W7-L	0.03	
			W7-U	0.33	
				2.60	
Third	R5	Bedroom	W8-L	0.14	1
			W8-U	1.29	
				1.43	
Third	R6	Bedroom	W9-L	0.16	1
			W9-U	1.44	
				1.61	
Third	R7	Bedroom	W10-L	0.04	1
			W10-U	0.43	
			W11-L	0.23	
			W11-U	2.86	
				3.56	
Third	R8	Bedroom	W12-L	0.19	1
			W12-U	1.72	
				1.91	
Third	R9	Bedroom	W13-L	0.03	1
			W13-U	0.34	
			W14-L	0.19	
			W14-U	2.40	
				2.97	
Third	R10	LKD	W15-L	0.17	2
			W15-U	2.15	
			W16-L	0.03	
			W16-U	0.33	
				2.68	
Third	R11	Bedroom	W17-L	0.15	1
			W17-U	1.37	
				1.53	

Floor Ref.	Room Ref.	Room Use	Window Ref.	ADF Proposed	Req'd Value
Third	R12	Bedroom	W18-L	0.17	1
			W18-U	1.54	
				1.71	
Third	R13	Bedroom	W19-L	0.04	1
			W19-U	0.43	
			W20-L	0.24	
			W20-U	2.97	
				3.68	
Third	R14	Bedroom	W21-L	0.24	1
			W21-U	2.97	
			W22-L	0.05	
			W22-U	0.45	
				3.71	
Third	R15	Bedroom	W23-L	0.23	1
			W23-U	2.12	
				2.35	
Third	R16	Bedroom	W24-L	0.21	1
			W24-U	1.87	
				2.07	
Third	R17	LKD	W25-L	0.03	2
			W25-U	0.33	
			W26-L	0.17	
			W26-U	2.18	
				2.72	
Third	R18	Bedroom	W27-L	0.22	1
			W27-U	2.82	
			W28-L	0.04	
			W28-U	0.43	
				3.51	
Third	R19	Bedroom	W29-L	0.05	1
			W29-U	0.44	
			W30-L	0.23	
			W30-U	2.11	
			W31-L	0.11	
			W31-U	1.39	
				4.33	
Third	R20	Bedroom	W32-L	0.27	1
			W32-U	3.26	
				3.53	
Third	R21	Kitchen	W58	2.39	2
				2.39	
Third	R22	LD	W33-L	0.16	1.5
			W33-U	1.96	
			W34-L	0.12	
			W34-U	1.53	
			W35-L	0.12	
			W35-U	1.10	
				4.99	

Floor Ref.	Room Ref.	Room Use	Window Ref.	ADF Proposed	Req'd Value
Third	R23	LKD	W36-L	0.14	2
			W36-U	1.73	
			W37-L	0.03	
			W37-U	0.28	
				2.19	
Third	R24	Bedroom	W40-L	0.15	1
			W40-U	1.33	
				1.47	
Third	R25	LKD	W41-L	0.16	2
			W41-U	1.46	
				1.63	
Third	R26	LKD	W42-L	0.16	2
			W42-U	1.46	
				1.63	
Third	R27	Bedroom	W43-L	0.15	1
			W43-U	1.36	
				1.51	
Third	R28	Bedroom	W44-L	0.23	1
			W44-U	2.02	
				2.25	
Third	R29	Bedroom	W45-L	0.23	1
			W45-U	2.09	
				2.32	
Third	R30	LKD	W46-L	0.03	2
			W46-U	0.30	
			W47-L	0.15	
			W47-U	1.76	
				2.24	
Third	R31	LKD	W48-L	0.13	2
			W48-U	1.23	
				1.36	
Third	R32	LKD	W49-L	0.17	2
			W49-U	1.52	
				1.69	
Third	R33	Bedroom	W50-L	0.14	1
			W50-U	1.30	
				1.44	
Third	R34	Bedroom	W51-L	0.23	1
			W51-U	2.03	
				2.25	
Third	R35	Bedroom	W52-L	0.24	1
			W52-U	2.19	
				2.43	
Third	R36	LKD	W53-L	0.03	2
			W53-U	0.30	
			W54-L	0.17	
			W54-U	2.12	
				2.62	

Floor Ref.	Room Ref.	Room Use	Window Ref.	ADF Proposed	Req'd Value
Third	R37	Kitchen	W55-L	0.17	2
			W55-U	2.03	
			W56-L	0.03	
			W56-U	0.29	
				2.52	
Third	R38	Bedroom	W57-L	0.14	1
			W57-U	1.28	
				1.42	
Third	R39	Bedroom	W38-L	0.25	1
			W38-U	2.19	
				2.43	
Third	R40	Bedroom	W39-L	0.22	1
			W39-U	1.97	
				2.20	
Fourth	R1	Bedroom	W1-L	0.26	1
			W1-U	3.31	
				3.57	
Fourth	R2	Bedroom	W2-L	0.05	1
			W2-U	0.69	
			W3-L	0.22	
			W3-U	2.05	
				3.02	
Fourth	R3	LKD	W4-L	0.04	2
			W4-U	0.37	
			W5-L	0.18	
			W5-U	2.24	
				2.83	
Fourth	R4	LKD	W6-L	0.18	2
			W6-U	2.24	
			W7-L	0.03	
			W7-U	0.34	
				2.79	
Fourth	R5	Bedroom	W8-L	0.15	1
			W8-U	1.42	
				1.58	
Fourth	R6	Bedroom	W9-L	0.17	1
			W9-U	1.59	
				1.77	
Fourth	R7	Bedroom	W10-L	0.05	1
			W10-U	0.46	
Fourth	R7	Bedroom	W11-L	0.24	1
			W11-U	3.06	
				3.81	
Fourth	R8	Bedroom	W12-L	0.20	1
			W12-U	1.85	
				2.05	
Fourth	R9	Bedroom	W13-L	0.03	1
			W13-U	0.36	
			W14-L	0.20	
			W14-U	2.54	
				3.14	

Floor Ref.	Room Ref.	Room Use	Window Ref.	ADF Proposed	Req'd Value
Fourth	R10	LKD	W15-L	0.18	2
			W15-U	2.26	
			W16-L	0.03	
			W16-U	0.35	
				2.82	
Fourth	R11	Bedroom	W17-L	0.16	1
			W17-U	1.45	
				1.61	
Fourth	R12	Bedroom	W18-L	0.18	1
			W18-U	1.63	
				1.80	
Fourth	R13	Bedroom	W19-L	0.05	1
			W19-U	0.46	
			W20-L	0.25	
			W20-U	3.10	
				3.86	
Fourth	R14	Bedroom	W21-L	0.25	1
			W21-U	3.11	
			W22-L	0.05	
			W22-U	0.47	
				3.88	
Fourth	R15	Bedroom	W23-L	0.25	1
			W23-U	2.23	
				2.48	
Fourth	R16	Bedroom	W24-L	0.22	1
			W24-U	1.97	
				2.19	
Fourth	R17	LKD	W25-L	0.03	2
			W25-U	0.34	
			W26-L	0.18	
			W26-U	2.29	
				2.84	
Fourth	R18	Bedroom	W27-L	0.24	1
			W27-U	2.96	
			W28-L	0.04	
			W28-U	0.45	
				3.68	
Fourth	R19	Bedroom	W29-L	0.05	1
			W29-U	0.47	
			W30-L	0.25	
			W30-U	2.24	
			W31-L	0.11	
			W31-U	1.40	
				4.52	
Fourth	R20	Bedroom	W32-L	0.27	1
			W32-U	3.28	
				3.55	
Fourth	R21	Kitchen	W58	2.39	2
				2.39	

Floor Ref.	Room Ref.	Room Use	Window Ref.	ADF Proposed	Req'd Value
Fourth	R22	LD	W33-L	0.16	1.5
			W33-U	1.97	
			W34-L	0.13	
			W34-U	1.53	
			W35-L	0.12	
			W35-U	1.10	
				5.01	
Fourth	R23	LKD	W36-L	0.14	2
			W36-U	1.74	
			W37-L	0.03	
			W37-U	0.28	
				2.19	
Fourth	R24	Bedroom	W40-L	0.15	1
			W40-U	1.34	
				1.48	
Fourth	R25	LKD	W41-L	0.17	2
			W41-U	1.47	
				1.64	
Fourth	R26	LKD	W42-L	0.16	2
			W42-U	1.45	
				1.62	
Fourth	R27	Bedroom	W43-L	0.15	1
			W43-U	1.37	
				1.53	
Fourth	R28	Bedroom	W44-L	0.23	1
			W44-U	2.06	
				2.29	
Fourth	R29	Bedroom	W45-L	0.24	1
			W45-U	2.13	
				2.37	
Fourth	R30	LKD	W46-L	0.03	2
			W46-U	0.30	
			W47-L	0.15	
			W47-U	1.77	
				2.25	
Fourth	R31	LKD	W48-L	0.14	2
			W48-U	1.33	
				1.48	
Fourth	R32	LKD	W49-L	0.17	2
			W49-U	1.52	
				1.69	
Fourth	R33	Bedroom	W50-L	0.14	1
			W50-U	1.30	
				1.44	
Fourth	R34	Bedroom	W51-L	0.23	1
			W51-U	2.05	
				2.28	
Fourth	R35	Bedroom	W52-L	0.24	1
			W52-U	2.16	
				2.40	

Floor Ref.	Room Ref.	Room Use	Window Ref.	ADF Proposed	Req'd Value
Fourth	R36	LKD	W53-L	0.03	2
			W53-U	0.30	
			W54-L	0.17	
			W54-U	2.12	
				2.63	
Fourth	R37	Kitchen	W55-L	0.17	2
			W55-U	2.03	
			W56-L	0.03	
			W56-U	0.29	
				2.52	
Fourth	R38	Bedroom	W57-L	0.14	1
			W57-U	1.28	
				1.42	
Fourth	R39	Bedroom	W38-L	0.25	1
			W38-U	2.21	
				2.46	
Fourth	R40	Bedroom	W39-L	0.22	1
			W39-U	1.96	
				2.18	
Fifth	R1	LKD	W1-L	0.20	2
			W1-U	2.65	
			W2-L	0.20	
			W2-U	2.65	
				5.70	
Fifth	R2	Bedroom	W3-L	0.15	1
			W3-U	1.99	
			W4-L	0.15	
			W4-U	1.99	
				4.28	
Fifth	R3	LKD	W5-L	0.15	2
			W5-U	2.15	
				2.30	
Fifth	R4	Bedroom	W6-L	0.31	1
			W6-U	4.21	
				4.52	
Fifth	R5	Bedroom	W7-L	0.25	1
			W7-U	3.38	
				3.63	
Fifth	R6	LKD	W8-L	0.19	2
			W8-U	2.60	
				2.79	
Fifth	R7	Bedroom	W9-L	0.32	1
			W9-U	4.29	
				4.60	
Fifth	R8	LKD	W10-L	0.15	
			W10-U	2.05	
Fifth	R8	LKD	W11-L	0.15	2
			W11-U	2.06	
				4.41	

Floor Ref.	Room Ref.	Room Use	Window Ref.	ADF Proposed	Req'd Value
Fifth	R9	LKD	W12-L	0.15	2
			W12-U	2.07	
			W13-L	0.15	
			W13-U	2.05	
				4.42	
Fifth	R10	Bedroom	W14-L	0.32	1
			W14-U	4.36	
				4.68	
Fifth	R11	LKD	W15-L	0.20	2
			W15-U	2.65	
				2.84	
Fifth	R12	Bedroom	W16-L	0.30	1
			W16-U	4.11	
				4.42	
Fifth	R13	Bedroom	W17-L	0.15	1
			W17-U	1.97	
			W18-L	0.33	
			W18-U	4.43	
				6.87	
Fifth	R14	LKD	W19-L	0.16	2
			W19-U	2.01	
			W20-L	0.16	
			W20-U	2.11	
				4.43	
Fifth	R15	LKD	W21-L	0.22	2
			W21-U	2.96	
				3.18	
Fifth	R16	Bedroom	W22-L	0.37	1
			W22-U	4.92	
				5.29	
Fifth	R17	Bedroom	W23-L	0.33	1
			W23-U	4.43	
				4.76	
Fifth	R18	Bedroom	W24-L	0.20	1
			W24-U	2.67	
				2.87	
Fifth	R19	Bedroom	W25-L	0.23	1
			W25-U	3.09	
				3.31	
Fifth	R20	Bedroom	W26-L	0.23	1
			W26-U	3.08	
				3.31	
Fifth	R21	Bedroom	W27-L	0.20	1
			W27-U	2.66	
				2.86	
Fifth	R22	Bedroom	W28-L	0.29	1
			W28-U	3.93	
				4.22	
Fifth	R23	Bedroom	W29-L	0.36	1
			W29-U	4.84	
				5.20	

Floor Ref.	Room Ref.	Room Use	Window Ref.	ADF Proposed	Req'd Value
Fifth	R24	LKD	W31-L	0.22	2
			W31-U	2.96	
				3.18	
Fifth	R25	Bedroom	W32-L	0.37	1
			W32-U	4.97	
				5.35	
Fifth	R27	LKD	W34-L	0.19	2
			W34-U	2.53	
			W35-L	0.19	
			W35-U	2.53	
				5.44	
Fifth	R28	Bedroom	W36-L	0.24	1
			W36-U	3.09	
				3.32	
Fifth	R29	Bedroom	W37-L	0.31	1
			W37-U	4.08	
				4.39	
Fifth	R30	LKD	W30-L	0.217485021	2
			W30-U	2.914616589	
				3.13	

Floor Ref.	Room Ref.	Room Use.	Room Area	Lit Area Proposed
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Proposed Scheme

First	R1	Bedroom	Area m2 % of room	17.06 16.96	99.41%
First	R2	Bedroom	Area m2 % of room	17.26 16.65	96.47%
First	R3	LKD	Area m2 % of room	25.45 15.39	60.47%
First	R4	Bedroom	Area m2 % of room	14.9 12.25	82.21%
First	R5	Bedroom	Area m2 % of room	14.63 10.03	68.56%
First	R6	Bedroom	Area m2 % of room	11.08 9.61	86.73%
First	R7	Bedroom	Area m2 % of room	13.05 11.33	86.82%
First	R8	Bedroom	Area m2 % of room	11.64 11.27	96.82%
First	R9	Bedroom	Area m2 % of room	15.55 15.19	97.68%
First	R10	LKD	Area m2 % of room	20.92 20.91	99.95%
First	R11	Bedroom	Area m2 % of room	12.35 12.28	99.43%
First	R12	Bedroom	Area m2 % of room	11.07 10.95	98.92%
First	R13	Bedroom	Area m2 % of room	13.06 12.75	97.63%
First	R14	Bedroom	Area m2 % of room	13.04 12.76	97.85%
First	R15	Bedroom	Area m2 % of room	11.07 11.04	99.73%
First	R16	Bedroom	Area m2 % of room	16.27 16.23	99.75%
First	R17	Bedroom	Area m2 % of room	16.05 16.05	100.00%
First	R18	Bedroom	Area m2 % of room	18.28 18.28	100.00%
First	R19	LKD	Area m2 % of room	27.47 27.47	100.00%

Floor Ref.	Room Ref.	Room Use.		Room Area	Lit Area Proposed
First	R20	LKD	Area m2 % of room	29.73	29.73 100.00%
First	R21	Bedroom	Area m2 % of room	17.91	17.91 100.00%
First	R22	Bedroom	Area m2 % of room	13.46	13.43 99.78%
First	R23	Bedroom	Area m2 % of room	17.18	17.15 99.83%
First	R24	Bedroom	Area m2 % of room	12.44	12.42 99.84%
First	R25	LKD	Area m2 % of room	24.31	24.26 99.79%
First	R26	LKD	Area m2 % of room	24.29	24.25 99.84%
First	R27	Bedroom	Area m2 % of room	12.43	12.42 99.92%
First	R28	Bedroom	Area m2 % of room	11.98	11.96 99.83%
First	R29	Bedroom	Area m2 % of room	11.98	11.97 99.92%
First	R30	LKD	Area m2 % of room	25.71	25.67 99.84%
First	R31	LKD	Area m2 % of room	26.17	26.17 100.00%
First	R32	LKD	Area m2 % of room	22.8	22.79 99.96%
First	R33	Bedroom	Area m2 % of room	12.46	12.45 99.92%
First	R34	Bedroom	Area m2 % of room	12	11.98 99.83%
First	R35	Bedroom	Area m2 % of room	11.97	11.96 99.92%
First	R36	LKD	Area m2 % of room	25.68	25.68 100.00%
First	R37	LKD	Area m2 % of room	25.03	25.03 100.00%
First	R38	Bedroom	Area m2 % of room	17.35	16.56 95.45%
Second	R1	Bedroom	Area m2 % of room	17.06	17.04 99.88%
Second	R2	Bedroom	Area m2 % of room	17.26	17.18 99.54%

Floor Ref.	Room Ref.	Room Use.		Room Area	Lit Area Proposed
Second	R3	LKD	Area m2 % of room	25.48	19.27 75.63%
Second	R4	Bedroom	Area m2 % of room	14.85	14.46 97.37%
Second	R5	Bedroom	Area m2 % of room	14.6	14.11 96.64%
Second	R6	Bedroom	Area m2 % of room	11.08	11.01 99.37%
Second	R7	Bedroom	Area m2 % of room	13.05	12.71 97.39%
Second	R8	Bedroom	Area m2 % of room	11.64	11.61 99.74%
Second	R9	Bedroom	Area m2 % of room	15.55	15.22 97.88%
Second	R10	LKD	Area m2 % of room	20.92	20.92 100.00%
Second	R11	Bedroom	Area m2 % of room	12.35	12.28 99.43%
Second	R12	Bedroom	Area m2 % of room	11.07	10.95 98.92%
Second	R13	Bedroom	Area m2 % of room	13.06	12.8 98.01%
Second	R14	Bedroom	Area m2 % of room	13.04	12.8 98.16%
Second	R15	Bedroom	Area m2 % of room	11.07	11.04 99.73%
Second	R16	Bedroom	Area m2 % of room	12.33	12.3 99.76%
Second	R17	LKD	Area m2 % of room	20.91	20.91 100.00%
Second	R18	Bedroom	Area m2 % of room	13.31	13.31 100.00%
Second	R19	Bedroom	Area m2 % of room	14.67	14.65 99.86%
Second	R20	Bedroom	Area m2 % of room	8.68	8.58 98.85%
Second	R21	Kitchen	Area m2 % of room	4.25	3.83 90.12%
Second	R22	LD	Area m2 % of room	28.55	28.55 100.00%
Second	R23	LKD	Area m2 % of room	26.07	26.07 100.00%

Floor Ref.	Room Ref.	Room Use.		Room Area	Lit Area Proposed
Second	R24	Bedroom	Area m2 % of room	12.44	12.42 99.84%
Second	R25	LKD	Area m2 % of room	24.31	24.26 99.79%
Second	R26	LKD	Area m2 % of room	24.29	24.25 99.84%
Second	R27	Bedroom	Area m2 % of room	12.43	12.42 99.92%
Second	R28	Bedroom	Area m2 % of room	12.06	12.04 99.83%
Second	R29	Bedroom	Area m2 % of room	11.98	11.97 99.92%
Second	R30	LKD	Area m2 % of room	25.57	25.53 99.84%
Second	R31	LKD	Area m2 % of room	26.36	26.36 100.00%
Second	R32	LKD	Area m2 % of room	22.67	22.66 99.96%
Second	R33	Bedroom	Area m2 % of room	12.46	12.45 99.92%
Second	R34	Bedroom	Area m2 % of room	12.07	12.04 99.75%
Second	R35	Bedroom	Area m2 % of room	12.02	12 99.83%
Second	R36	LKD	Area m2 % of room	25.64	25.64 100.00%
Second	R37	LKD	Area m2 % of room	25.03	25.03 100.00%
Second	R38	Bedroom	Area m2 % of room	17.35	16.56 95.45%
Second	R39	Bedroom	Area m2 % of room	11.57	11.56 99.91%
Second	R40	Bedroom	Area m2 % of room	12.4	12.38 99.84%
Third	R1	Bedroom	Area m2 % of room	12.76	12.74 99.84%
Third	R2	Bedroom	Area m2 % of room	12.35	12.35 100.00%
Third	R3	LKD	Area m2 % of room	20.91	20.85 99.71%
Third	R4	LKD	Area m2 % of room	20.91	20.89 99.90%

Floor Ref.	Room Ref.	Room Use.		Room Area	Lit Area Proposed
Third	R5	Bedroom	Area m2 % of room	12.35	12.27 99.35%
Third	R6	Bedroom	Area m2 % of room	11.08	11.01 99.37%
Third	R7	Bedroom	Area m2 % of room	13.05	12.78 97.93%
Third	R8	Bedroom	Area m2 % of room	11.64	11.61 99.74%
Third	R9	Bedroom	Area m2 % of room	15.55	15.23 97.94%
Third	R10	LKD	Area m2 % of room	20.92	20.92 100.00%
Third	R11	Bedroom	Area m2 % of room	12.35	12.28 99.43%
Third	R12	Bedroom	Area m2 % of room	11.07	10.95 98.92%
Third	R13	Bedroom	Area m2 % of room	13.06	12.82 98.16%
Third	R14	Bedroom	Area m2 % of room	13.04	12.8 98.16%
Third	R15	Bedroom	Area m2 % of room	11.07	11.05 99.82%
Third	R16	Bedroom	Area m2 % of room	12.33	12.3 99.76%
Third	R17	LKD	Area m2 % of room	20.91	20.91 100.00%
Third	R18	Bedroom	Area m2 % of room	13.31	13.31 100.00%
Third	R19	Bedroom	Area m2 % of room	14.67	14.65 99.86%
Third	R20	Bedroom	Area m2 % of room	8.68	8.58 98.85%
Third	R21	Kitchen	Area m2 % of room	4.25	3.83 90.12%
Third	R22	LD	Area m2 % of room	28.55	28.55 100.00%
Third	R23	LKD	Area m2 % of room	26.06	26.05 99.96%
Third	R24	Bedroom	Area m2 % of room	12.44	12.42 99.84%
Third	R25	LKD	Area m2 % of room	24.31	24.26 99.79%

Floor Ref.	Room Ref.	Room Use.		Room Area	Lit Area Proposed
Third	R26	LKD	Area m2 % of room	24.29	24.25 99.84%
Third	R27	Bedroom	Area m2 % of room	12.43	12.42 99.92%
Third	R28	Bedroom	Area m2 % of room	12.06	-12.03 -99.75%
Third	R29	Bedroom	Area m2 % of room	11.95	11.94 99.92%
Third	R30	LKD	Area m2 % of room	25.59	25.55 99.84%
Third	R31	LKD	Area m2 % of room	26.32	26.31 99.96%
Third	R32	LKD	Area m2 % of room	22.74	22.73 99.96%
Third	R33	Bedroom	Area m2 % of room	12.46	12.45 99.92%
Third	R34	Bedroom	Area m2 % of room	12.02	12 99.83%
Third	R35	Bedroom	Area m2 % of room	12.03	12.02 99.92%
Third	R36	LKD	Area m2 % of room	25.73	25.73 100.00%
Third	R37	Kitchen	Area m2 % of room	29.03	29 99.90%
Third	R38	Bedroom	Area m2 % of room	20.23	20.11 99.41%
Third	R39	Bedroom	Area m2 % of room	11.97	11.95 99.83%
Third	R40	Bedroom	Area m2 % of room	11.92	11.9 99.83%
Fourth	R1	Bedroom	Area m2 % of room	12.76	12.74 99.84%
Fourth	R2	Bedroom	Area m2 % of room	12.35	12.35 100.00%
Fourth	R3	LKD	Area m2 % of room	20.91	20.88 99.86%
Fourth	R4	LKD	Area m2 % of room	20.91	20.9 99.95%
Fourth	R5	Bedroom	Area m2 % of room	12.35	12.28 99.43%
Fourth	R6	Bedroom	Area m2 % of room	11.08	11.01 99.37%

Floor Ref.	Room Ref.	Room Use.		Room Area	Lit Area Proposed
Fourth	R7	Bedroom	Area m2 % of room	13.05	12.79 98.01%
Fourth	R8	Bedroom	Area m2 % of room	11.64	11.61 99.74%
Fourth	R9	Bedroom	Area m2 % of room	15.55	15.23 97.94%
Fourth	R10	LKD	Area m2 % of room	20.92	20.92 100.00%
Fourth	R11	Bedroom	Area m2 % of room	12.35	12.28 99.43%
Fourth	R12	Bedroom	Area m2 % of room	11.07	10.95 98.92%
Fourth	R13	Bedroom	Area m2 % of room	13.06	12.82 98.16%
Fourth	R14	Bedroom	Area m2 % of room	13.04	12.81 98.24%
Fourth	R15	Bedroom	Area m2 % of room	11.07	11.05 99.82%
Fourth	R16	Bedroom	Area m2 % of room	12.33	12.3 99.76%
Fourth	R17	LKD	Area m2 % of room	20.91	20.91 100.00%
Fourth	R18	Bedroom	Area m2 % of room	13.31	13.31 100.00%
Fourth	R19	Bedroom	Area m2 % of room	14.67	14.65 99.86%
Fourth	R20	Bedroom	Area m2 % of room	8.68	8.58 98.85%
Fourth	R21	Kitchen	Area m2 % of room	4.25	3.83 90.12%
Fourth	R22	LD	Area m2 % of room	28.55	28.55 100.00%
Fourth	R23	LKD	Area m2 % of room	26.01	26.3 101.11%
Fourth	R24	Bedroom	Area m2 % of room	12.44	12.4 99.68%
Fourth	R25	LKD	Area m2 % of room	24.01	24.23 100.92%
Fourth	R26	LKD	Area m2 % of room	24.58	24.23 98.58%
Fourth	R27	Bedroom	Area m2 % of room	12.13	12.39 102.14%

Floor Ref.	Room Ref.	Room Use.		Room Area	Lit Area Proposed
Fourth	R28	Bedroom	Area m2 % of room	11.93	11.9 99.75%
Fourth	R29	Bedroom	Area m2 % of room	11.95	11.94 99.92%
Fourth	R30	LKD	Area m2 % of room	25.44	25.4 99.84%
Fourth	R31	LKD	Area m2 % of room	26.15	26.15 100.00%
Fourth	R32	LKD	Area m2 % of room	22.68	22.66 99.91%
Fourth	R33	Bedroom	Area m2 % of room	12.48	12.46 99.84%
Fourth	R34	Bedroom	Area m2 % of room	12.01	11.99 99.83%
Fourth	R35	Bedroom	Area m2 % of room	11.99	11.98 99.92%
Fourth	R36	LKD	Area m2 % of room	25.56	25.55 99.96%
Fourth	R37	Kitchen	Area m2 % of room	29.03	29 99.90%
Fourth	R38	Bedroom	Area m2 % of room	20.23	20.11 99.41%
Fourth	R39	Bedroom	Area m2 % of room	11.98	11.98 100.00%
Fourth	R40	Bedroom	Area m2 % of room	11.95	11.89 99.50%
Fifth	R1	LKD	Area m2 % of room	21.46	21.46 100.00%
Fifth	R2	Bedroom	Area m2 % of room	12.12	12.12 100.00%
Fifth	R3	LKD	Area m2 % of room	29.18	29.04 99.52%
Fifth	R4	Bedroom	Area m2 % of room	11.83	11.8 99.75%
Fifth	R5	Bedroom	Area m2 % of room	15.65	15.65 100.00%
Fifth	R6	LKD	Area m2 % of room	21.55	21.53 99.91%
Fifth	R7	Bedroom	Area m2 % of room	11.03	11.01 99.82%
Fifth	R8	LKD	Area m2 % of room	29.13	29.09 99.86%

Floor Ref.	Room Ref.	Room Use.		Room Area	Lit Area Proposed
Fifth	R9	LKD	Area m2 % of room	29.08	29.04 99.86%
Fifth	R10	Bedroom	Area m2 % of room	10.85	10.83 99.82%
Fifth	R11	LKD	Area m2 % of room	21.05	21.03 99.90%
Fifth	R12	Bedroom	Area m2 % of room	12.48	12.45 99.76%
Fifth	R13	Bedroom	Area m2 % of room	10.17	10.16 99.90%
Fifth	R14	LKD	Area m2 % of room	27.74	27.72 99.93%
Fifth	R15	LKD	Area m2 % of room	18.27	18.26 99.95%
Fifth	R16	Bedroom	Area m2 % of room	9.58	9.57 99.90%
Fifth	R17	Bedroom	Area m2 % of room	11.17	11.13 99.64%
Fifth	R18	Bedroom	Area m2 % of room	14.61	14.54 99.52%
Fifth	R19	Bedroom	Area m2 % of room	17.46	17.43 99.83%
Fifth	R20	Bedroom	Area m2 % of room	17.46	17.43 99.83%
Fifth	R21	Bedroom	Area m2 % of room	14.63	14.56 99.52%
Fifth	R22	Bedroom	Area m2 % of room	12.92	12.88 99.69%
Fifth	R23	Bedroom	Area m2 % of room	9.81	9.81 100.00%
Fifth	R24	LKD	Area m2 % of room	18.4	18.36 99.78%
Fifth	R25	Bedroom	Area m2 % of room	9.42	9.4 99.79%
Fifth	R27	LKD	Area m2 % of room	22.82	22.71 99.52%
Fifth	R28	Bedroom	Area m2 % of room	12.53	12.37 98.72%
Fifth	R29	Bedroom	Area m2 % of room	12.46	12.45 99.92%
Fifth	R30	LKD	Area m2 % of room	18.61	18.59 99.89%