



90-102 Bonner Road

Sources: OS MAP
Digital Superplan Data

Point 2 Surveyors
Laser Scan Survey

Allford Hall Monaghan Morris
Proposed Scheme 3D Model (received 24/11/23)
DL0163-AHMM-ZZ-ZZ-M3-A-00002.dwg

Key:

Scheme Confirmed: -

Date: -

Project: London Chest Hospital
London E2

Drawn By: AR

Scale: NTS @ A3

Date: Dec 23

Title: Window Locations
102-90 Bonner Road

Dwg No: P3145/WM/10

Rel: 07





76-88 Bonner Road

Sources: OS MAP
Digital Superplan Data

Point 2 Surveyors
Laser Scan Survey

Allford Hall Monaghan Morris
Proposed Scheme 3D Model (received 24/11/23)
DL0163-AHMM-ZZ-ZZ-M3-A-00002.dwg

Key:

Scheme Confirmed: -

Date: -

Project: London Chest Hospital
London E2

Drawn By: AR

Scale: NTS @ A3

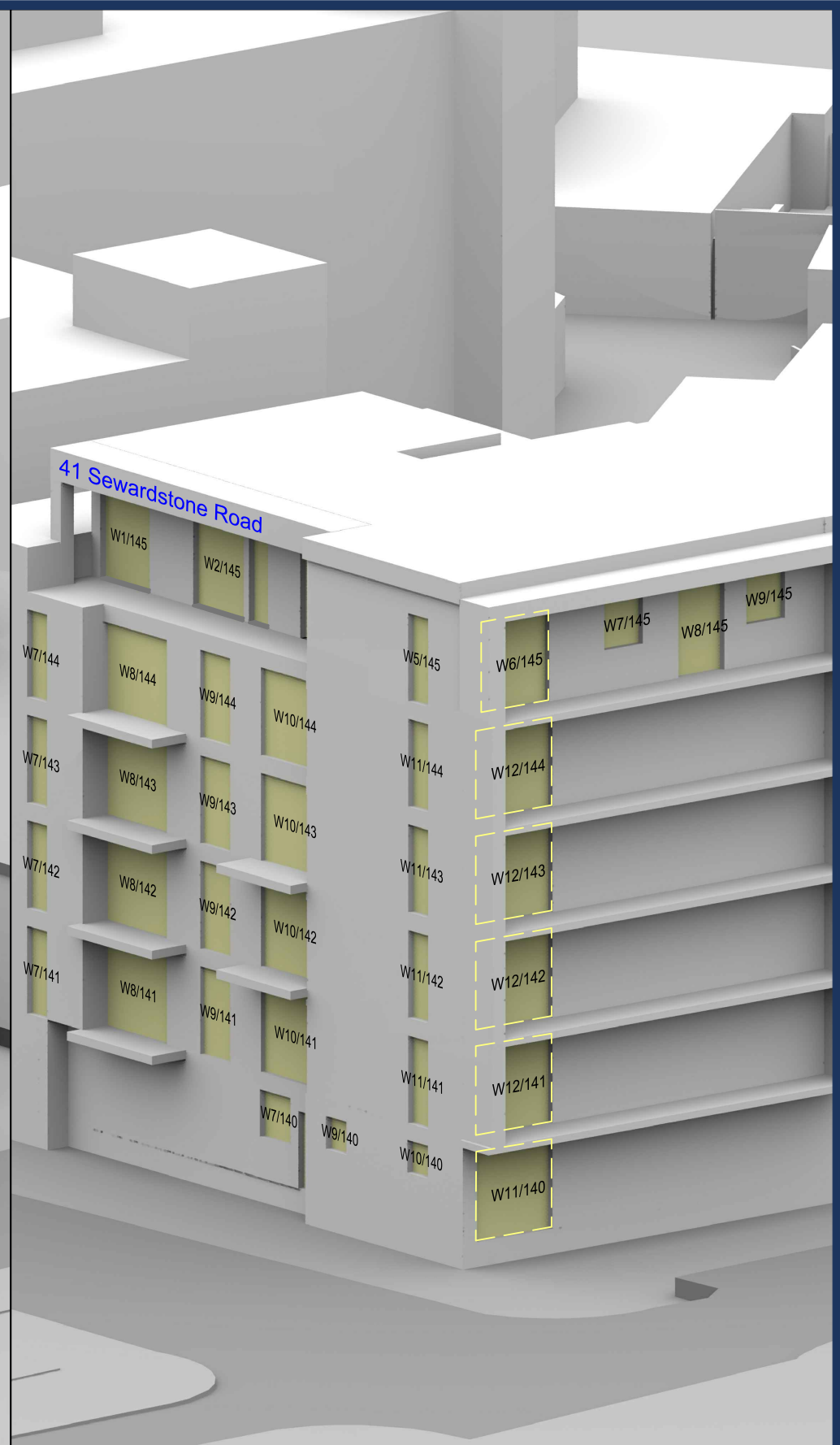
Date: Dec 23

Title: Window Locations
76-88 Bonner Road

Dwg No: P3145 / WM / 11

Rel: 07





Sources: OS MAP
Digital Superplan Data

Point 2 Surveyors
Laser Scan Survey

Allford Hall Monaghan Morris
Proposed Scheme 3D Model (received 24/11/23)
DL0163-AHMM-ZZ-ZZ-M3-A-00002.dwg

Key:

Scheme Confirmed: -

Date: -

Project: London Chest Hospital
London E2

Drawn By: AR

Scale: NTS @ A3

Date: Dec 23

Title: Window Locations
41 Sewardstone Road

Dwg No: P3145/WM/12

Rel: 07



Appendix 3:

Daylight and Sunlight Technical Analysis



DAYLIGHT & SUNLIGHT ANALYSIS
LONDON CHEST HOSPITAL
EXISTING vs PROPOSED SCHEME 24/11/23

Table with 28 columns: Location (Room, Window), Vertical Sky Component (VSC) Existing/Proposed/%Loss, Average Vertical Sky Component (VSC) Existing/Proposed/%Loss, Vertical Sky Component (VSC) Balcony/Walkway Effects Removed Existing/Proposed/%Loss, No-Sky Line (NSL) Whole Room sq ft, EXISTING sq ft, PROPOSED sq ft, %Loss, Window Angle from South, Aspect, Annual Probable Sunlight Hours (APSH) (window) EXISTING/PROPOSED Winter % Annual % Winter % Annual % Winter % Loss, Annual % Loss, Annual Probable Sunlight Hours (APSH) (room) EXISTING/PROPOSED Winter % Annual % Winter % Annual % Winter % Loss, Annual % Loss. Data rows include REYNOLDS HOUSE, 1-60 APPROACH ROAD.



DAYLIGHT & SUNLIGHT ANALYSIS

LONDON CHEST HOSPITAL
EXISTING vs PROPOSED SCHEME 24/11/23

Table with columns: Location (Room, Window), Vertical Sky Component (VSC), Average Vertical Sky Component (VSC), Vertical Sky Component (VSC) Balcony/Walkway Effects Removed, No-Sky Line (NSL), Window, Annual Probable Sunlight Hours (APSH) (window), Annual Probable Sunlight Hours (APSH) (room). Rows include R7/12 through R11/14.



DAYLIGHT & SUNLIGHT ANALYSIS

LONDON CHEST HOSPITAL
EXISTING vs PROPOSED SCHEME 24/11/23

Location		Vertical Sky Component (VSC)			Average Vertical Sky Component (VSC) (weighted by window area)			Vertical Sky Component (VSC) Balcony/Walkway Effects Removed			No-Sky Line (NSL)				Window		Annual Probable Sunlight Hours (APSH) (window)				Annual Probable Sunlight Hours (APSH) (room)											
Room	Window	Existing VSC	Proposed VSC	%Loss	Existing VSC	Proposed VSC	%Loss	Existing VSC	Proposed VSC	%Loss	Whole Room sq ft	EXISTING sq ft	PROPOSED sq ft	%Loss	Angle from South	Aspect	EXISTING		PROPOSED		Winter %	Annual %	Winter %	Annual %	Winter %Loss	Annual %Loss	EXISTING Winter %	Annual %	PROPOSED Winter %	Annual %	Winter %Loss	Annual %Loss
R12/14	W10/14	38.5	35.0	9.07	38.5	35.0	9.1	38.5	35.0	9.1	103.9	100.7	100.7	0.0	59.9°E	Southerly	23	68	21	63	8.7	7.4	23	68	21	63	8.7	7.4				
R13/14	W11/14	38.5	34.9	9.26	38.5	34.9	9.3	38.5	34.9	9.3	106.6	103.2	103.2	0.0	59.9°E	Southerly	23	68	21	62	8.7	8.8	23	68	21	62	8.7	8.8				
R1/15	W1/15	39.0	37.4	4.10	39.0	37.4	4.1	39.0	37.4	4.1	175.4	172.6	172.6	0.0	59.6°E	Southerly	23	68	23	66	0.0	2.9	23	68	23	66	0.0	2.9				
R2/15	W2/15	39.1	37.3	4.53	39.1	37.3	4.5	39.1	37.3	4.5	188.0	185.2	185.2	0.0	59.6°E	Southerly	23	68	23	66	0.0	2.9	23	68	23	66	0.0	2.9				
R3/15	W3/15	39.1	37.1	5.14	39.1	37.1	5.1	39.1	37.1	5.1	169.8	166.1	166.1	0.0	59.6°E	Southerly	23	68	23	67	0.0	1.5	23	68	23	67	0.0	1.5				
R4/15	W4/15	33.0	31.0	6.33	33.0	31.0	6.3	32.9	30.8	6.4	130.7	128.7	128.7	0.0	59.9°E	Southerly	8	51	8	50	0.0	2.0	8	51	8	50	0.0	2.0				
R5/15	W6/15	38.9	36.5	6.05	38.9	36.5	6.0	38.9	36.5	6.0	160.3	159.3	159.3	0.0	59.9°E	Southerly	23	68	23	67	0.0	1.5	23	68	23	67	0.0	1.5				
R6/15	W7/15	39.1	36.5	6.57	39.1	36.5	6.6	39.1	36.5	6.6	161.2	160.1	160.1	0.0	59.9°E	Southerly	23	68	23	67	0.0	1.5	23	68	23	67	0.0	1.5				
R7/15	W8/15	39.2	36.5	6.92	39.2	36.5	6.9	39.2	36.5	6.9	105.6	102.3	102.3	0.0	59.9°E	Southerly	23	68	22	66	4.3	2.9	23	68	22	66	4.3	2.9				
R8/15	W9/15	39.1	36.4	7.08	39.1	36.4	7.1	39.1	36.4	7.1	107.0	103.4	103.4	0.0	59.9°E	Southerly	23	68	22	66	4.3	2.9	23	68	22	66	4.3	2.9				
R9/15	W12/15	39.0	35.8	8.17	39.0	35.8	8.2	39.0	35.8	8.2	159.0	158.0	158.0	0.0	59.9°E	Southerly	23	68	21	65	8.7	4.4	23	68	21	65	8.7	4.4				
R10/15	W13/15	37.5	34.3	8.74	37.5	34.3	8.7	37.5	34.3	8.7	172.0	170.5	170.5	0.0	59.9°E	Southerly	23	67	20	63	13.0	6.0	23	67	20	63	13.0	6.0				
R11/15	W5/15	37.8	35.6	5.67	37.8	35.6	5.7	37.8	35.6	5.6	134.8	132.5	132.5	0.0	59.9°E	Southerly	19	64	19	63	0.0	1.6	19	64	19	63	0.0	1.6				
R12/15	W10/15	39.2	36.2	7.53	39.2	36.2	7.5	39.2	36.2	7.5	103.9	100.7	100.7	0.0	59.9°E	Southerly	23	68	22	66	4.3	2.9	23	68	22	66	4.3	2.9				
R13/15	W11/15	39.2	36.2	7.66	39.2	36.2	7.7	39.2	36.2	7.7	106.6	103.2	103.2	0.0	59.9°E	Southerly	23	68	22	66	4.3	2.9	23	68	22	66	4.3	2.9				
CLELAND HOUSE																																
R1/20	W1/20	38.7	38.7	0.00				38.7	38.7	0.0					152.8°W	Northerly	0	16	0	16	-	0.0										
R1/20	W2/20	34.8	32.2	7.56	36.7	35.4	3.6	34.8	32.2	7.6	78.1	77.5	77.5	0.0	62.8°W	Southerly	12	47	8	43	33.3	8.5	12	48	8	44	33.3	8.3				
R2/20	W3/20	25.5	24.8	2.75	25.5	24.8	2.7	25.5	24.8	2.7	66.4	58.4	58.4	0.0	62.8°W	Southerly	3	27	2	26	33.3	3.7	3	27	2	26	33.3	3.7				
R4/20	W6/20	14.2	11.2	20.99	14.2	11.2	21.0	35.8	32.6	9.1	110.4	103.8	103.8	0.0	62.8°W	Southerly	8	23	4	19	50.0	17.4	8	23	4	19	50.0	17.4				
R5/20	W7/20	15.7	12.3	21.81	15.7	12.3	21.8	35.8	32.2	9.9	89.7	88.4	88.2	0.2	62.8°W	Southerly	12	28	7	23	41.7	17.9	12	28	7	23	41.7	17.9				
R7/20	W10/20	10.1	6.3	38.06	10.1	6.3	38.1	35.8	31.8	11.2	42.9	39.3	39.1	0.3	62.8°W	Southerly	11	17	5	11	54.5	35.3	11	17	5	11	54.5	35.3				
R9/20	W12/20	15.9	12.1	24.15	15.9	12.1	24.2	35.5	31.2	12.0	86.2	84.8	84.8	0.0	62.8°W	Southerly	10	26	4	20	60.0	23.1	10	26	4	20	60.0	23.1				
R10/20	W13/20	15.6	11.3	27.93	15.6	11.3	27.9	35.3	30.8	12.6	90.3	88.5	80.4	9.2	62.8°W	Southerly	12	27	6	21	50.0	22.2	12	27	6	21	50.0	22.2				
R12/20	W15/20	12.6	8.9	29.79	12.6	8.9	29.8	12.6	8.9	29.8	41.1	37.6	36.4	3.2	62.8°W	Southerly	6	20	1	15	83.3	25.0	6	20	1	15	83.3	25.0				
R13/20	W16/20	9.2	4.7	49.02	9.2	4.7	49.0	33.8	29.0	14.4	40.2	36.9	35.8	2.7	62.8°W	Southerly	10	15	5	9	50.0	40.0	10	15	5	9	50.0	40.0				
R15/20	W18/20	12.4	9.2	25.65	12.4	9.2	25.6	26.2	22.1	15.8	85.0	83.4	75.6	9.4	62.8°W	Southerly	4	19	1	15	75.0	21.1	4	19	1	15	75.0	21.1				
R16/20	W9/20	12.4	10.0	19.60	12.4	10.0	19.6	35.4	31.6	10.9	38.8	35.4	35.4	0.0	62.8°W	Southerly	6	21	1	16	83.3	23.8	6	21	1	16	83.3	23.8				
R1/21	W1/21	39.3	39.3	0.00				39.3	39.3	0.0					152.8°W	Northerly	0	16	0	16	-	0.0										
R1/21	W2/21	35.7	33.2	6.87	37.4	36.2	3.3	35.7	33.2	6.9	78.1	77.5	77.5	0.0	62.8°W	Southerly	12	47	8	43	33.3	8.5	12	48	8	44	33.3	8.3				
R2/21	W3/21	26.2	25.5	2.49	26.2	25.5	2.5	26.2	25.5	2.5	66.4	58.4	58.4	0.0	62.8°W	Southerly	5	29	4	28	20.0	3.4	5	29	4	28	20.0	3.4				



DAYLIGHT & SUNLIGHT ANALYSIS

LONDON CHEST HOSPITAL
EXISTING vs PROPOSED SCHEME 24/11/23

Location		Vertical Sky Component (VSC)			Average Vertical Sky Component (VSC) (weighted by window area)			Vertical Sky Component (VSC) Balcony/Walkway Effects Removed			No-Sky Line (NSL)				Window		Annual Probable Sunlight Hours (APSH) (window)						Annual Probable Sunlight Hours (APSH) (room)					
Room	Window	Existing VSC	Proposed VSC	%Loss	Existing VSC	Proposed VSC	%Loss	Existing VSC	Proposed VSC	%Loss	Whole Room sq ft	EXISTING sq ft	PROPOSED sq ft	%Loss	Angle from South	Aspect	EXISTING		PROPOSED		Winter %Loss	Annual %Loss	EXISTING		PROPOSED		Winter %Loss	Annual %Loss
																	Winter %	Annual %	Winter %	Annual %			Winter %	Annual %	Winter %	Annual %		
R6/24	W7/24	14.1	11.8	16.41	14.1	11.8	16.4	34.5	32.1	6.9	66.4	59.1	59.1	0.0	62.8°W	Southerly	10	21	7	18	30.0	14.3	10	21	7	18	30.0	14.3
R8/24	W10/24	14.1	11.5	18.08	14.1	11.5	18.1	34.4	31.8	7.7	110.4	102.4	102.4	0.0	62.8°W	Southerly	10	21	8	19	20.0	9.5	10	21	8	19	20.0	9.5
R9/24	W11/24	14.0	11.3	19.35	14.0	11.3	19.4	34.3	31.5	8.1	78.1	69.6	69.6	0.0	62.8°W	Southerly	10	21	7	18	30.0	14.3	10	21	7	18	30.0	14.3
R10/24	W12/24	13.6	10.8	20.40	13.6	10.8	20.4	13.6	10.8	20.4	66.4	58.0	58.0	0.0	62.8°W	Southerly	10	21	7	18	30.0	14.3	10	21	7	18	30.0	14.3
R12/24	W15/24	10.1	8.1	19.68	10.1	8.1	19.7	25.6	22.9	10.3	110.4	97.9	97.9	0.0	62.8°W	Southerly	5	16	4	15	20.0	6.3	5	16	4	15	20.0	6.3
GOODRICH HOUSE																												
R1/30	W1/30	33.9	33.9	0.00				33.9	33.9	0.0					152.8°W	Northerly	0	2	0	2	-	0.0						
R1/30	W2/30	23.8	22.0	7.24	28.9	28.0	2.9	23.8	22.0	7.2	78.1	77.5	77.5	0.0	62.8°W	Southerly	13	32	11	30	15.4	6.3	13	34	11	32	15.4	5.9
R2/30	W3/30	16.4	14.3	12.62	16.4	14.3	12.6	16.4	14.3	12.7	66.4	54.2	54.2	0.0	62.8°W	Southerly	4	14	2	12	50.0	14.3	4	14	2	12	50.0	14.3
R4/30	W6/30	9.2	6.3	31.11	9.2	6.3	31.1	28.4	25.4	10.5	110.4	99.9	98.7	1.2	62.8°W	Southerly	8	15	6	12	25.0	20.0	8	15	6	12	25.0	20.0
R5/30	W7/30	12.4	9.5	23.55	12.4	9.5	23.5	29.7	26.7	10.1	90.3	88.9	87.6	1.3	62.8°W	Southerly	11	20	9	17	18.2	15.0	11	20	9	17	18.2	15.0
R7/30	W10/30	9.1	6.3	30.18	9.1	6.3	30.2	30.6	27.6	9.7	41.9	38.3	38.3	0.0	62.8°W	Southerly	5	14	3	11	40.0	21.4	5	14	3	11	40.0	21.4
R8/30	W11/30	10.5	7.6	27.71	10.5	7.6	27.7	31.4	28.3	9.8	39.8	36.5	36.5	0.0	62.8°W	Southerly	10	15	8	12	20.0	20.0	10	15	8	12	20.0	20.0
R10/30	W13/30	13.6	10.7	21.37	13.6	10.7	21.4	31.9	28.9	9.4	86.2	84.5	83.3	1.4	62.8°W	Southerly	9	21	7	18	22.2	14.3	9	21	7	18	22.2	14.3
R11/30	W14/30	15.1	12.2	19.58	15.1	12.2	19.6	32.3	29.3	9.2	90.3	88.5	87.0	1.7	62.8°W	Southerly	12	26	9	22	25.0	15.4	12	26	9	22	25.0	15.4
R13/30	W16/30	11.3	8.4	24.98	11.3	8.4	25.0	32.1	29.1	9.3	41.1	37.6	37.6	0.0	62.8°W	Southerly	6	20	3	16	50.0	20.0	6	20	3	16	50.0	20.0
R14/30	W17/30	9.9	7.0	29.48	9.9	7.0	29.5	31.7	28.7	9.4	40.2	36.9	36.9	0.0	62.8°W	Southerly	10	16	7	12	30.0	25.0	10	16	7	12	30.0	25.0
R16/30	W19/30	11.5	8.8	23.20	11.5	8.8	23.2	24.6	21.8	11.4	85.0	83.4	81.8	1.8	62.8°W	Southerly	4	20	2	17	50.0	15.0	4	20	2	17	50.0	15.0
R1/31	W1/31	35.1	35.1	0.00				35.1	35.1	0.0					152.8°W	Northerly	0	5	0	5	-	0.0						
R1/31	W2/31	26.4	24.7	6.43	30.7	29.8	2.8	26.4	24.7	6.4	78.1	77.5	77.5	0.0	62.8°W	Southerly	13	36	11	34	15.4	5.6	13	38	11	36	15.4	5.3
R2/31	W3/31	18.5	16.6	10.63	18.5	16.6	10.6	18.5	16.6	10.6	66.4	56.7	56.7	0.0	62.8°W	Southerly	4	16	3	15	25.0	6.3	4	16	3	15	25.0	6.3
R4/31	W6/31	10.6	7.8	26.52	10.6	7.8	26.5	30.6	27.7	9.5	110.4	103.5	103.5	0.0	62.8°W	Southerly	12	18	9	15	25.0	16.7	12	18	9	15	25.0	16.7
R5/31	W7/31	11.6	8.8	24.57	11.6	8.8	24.6	31.8	28.8	9.3	78.1	67.7	67.7	0.0	62.8°W	Southerly	11	19	9	17	18.2	10.5	11	19	9	17	18.2	10.5
R6/31	W8/31	12.0	9.1	24.48	12.0	9.1	24.5	32.5	29.5	9.1	66.4	61.1	61.1	0.0	62.8°W	Southerly	10	18	6	14	40.0	22.2	10	18	6	14	40.0	22.2
R8/31	W11/31	13.6	10.7	21.33	13.6	10.7	21.3	33.7	30.7	8.9	110.4	104.5	104.5	0.0	62.8°W	Southerly	11	21	8	18	27.3	14.3	11	21	8	18	27.3	14.3
R9/31	W12/31	14.1	11.1	21.30	14.1	11.1	21.3	34.0	31.0	8.9	78.1	71.9	71.9	0.0	62.8°W	Southerly	11	23	8	20	27.3	13.0	11	23	8	20	27.3	13.0
R10/31	W13/31	13.4	10.5	21.95	13.4	10.5	21.9	33.6	30.5	9.1	66.4	59.5	59.5	0.0	62.8°W	Southerly	9	22	6	18	33.3	18.2	9	22	6	18	33.3	18.2
R12/31	W16/31	10.6	8.1	23.67	10.6	8.1	23.7	25.7	23.0	10.6	110.4	99.5	99.5	0.0	62.8°W	Southerly	4	18	2	15	50.0	16.7	4	18	2	15	50.0	16.7
R1/32	W1/32	36.3	36.3	0.00				36.3	36.3	0.0					152.8°W	Northerly	0	8	0	8	-	0.0						
R1/32	W2/32	29.5	27.9	5.36	32.8	32.0	2.4	29.5	27.9	5.4	78.1	77.5	77.5	0.0	62.8°W	Southerly	13	39	12	38	7.7	2.6	13	41	12	40	7.7	2.4
R2/32	W3/32	20.9	19.1	8.60	20.9	19.1	8.6	20.9	19.1	8.6	66.4	58.4	58.4	0.0	62.8°W	Southerly	4	19	3	18	25.0	5.3	4	19	3	18	25.0	5.3
R4/32	W6/32	12.5	10.0	20.53	12.5	10.0	20.5	32.8	30.2	8.1	110.4	104.7	104.7	0.0	62.8°W	Southerly	12	20	9	17	25.0	15.0	12	20	9	17	25.0	15.0



DAYLIGHT & SUNLIGHT ANALYSIS

LONDON CHEST HOSPITAL
EXISTING vs PROPOSED SCHEME 24/11/23

Table with columns: Location (Room, Window), Vertical Sky Component (VSC), Average Vertical Sky Component (VSC), Vertical Sky Component (VSC) Balcony/Walkway Effects Removed, No-Sky Line (NSL), Window, Annual Probable Sunlight Hours (APSH) (window), Annual Probable Sunlight Hours (APSH) (room). Rows include R8/50, R9/50, R10/50, R11/50, R12/50, R1/51, R2/51, R3/51, R4/51, R5/51, R6/51, R7/51, R8/51, R9/51, R10/51, R11/51, R12/51, R1/52, R2/52, R3/52, R4/52, R5/52, R6/52, R7/52, R8/52, R9/52.



DAYLIGHT & SUNLIGHT ANALYSIS

LONDON CHEST HOSPITAL
EXISTING vs PROPOSED SCHEME 24/11/23

Location		Vertical Sky Component (VSC)			Average Vertical Sky Component (VSC) (weighted by window area)			Vertical Sky Component (VSC) Balcony/Walkway Effects Removed			No-Sky Line (NSL)				Window		Annual Probable Sunlight Hours (APSH) (window)						Annual Probable Sunlight Hours (APSH) (room)					
Room	Window	Existing VSC	Proposed VSC	%Loss	Existing VSC	Proposed VSC	%Loss	Existing VSC	Proposed VSC	%Loss	Whole Room sq ft	EXISTING sq ft	PROPOSED sq ft	%Loss	Angle from South	Aspect	EXISTING		PROPOSED		Winter %Loss	Annual %Loss	EXISTING		PROPOSED		Winter %Loss	Annual %Loss
																	Winter %	Annual %	Winter %	Annual %			Winter %	Annual %	Winter %	Annual %		
R4/94	W7/94	9.0	9.0	0.00	27.8	26.8	3.5	9.0	9.0	0.0	157.9	156.9	156.9	0.0	20.5°E	Southerly	13	25	13	25	0.0	0.0	18	51	18	50	0.0	2.0
R5/94	W8/94	14.3	13.6	5.02	14.3	13.6	5.0	36.4	35.2	3.2	135.7	131.9	131.9	0.0	69.5°W	Southerly	8	20	8	19	0.0	5.0	8	20	8	19	0.0	5.0
R6/94	W9/94	8.7	7.2	16.84	27.7	26.6	4.1	8.7	7.2	16.8	158.0	157.2	157.2	0.0	159.5°W	Northerly	1	14	1	13	0.0	7.1	18	51	18	50	0.0	2.0
R6/94	W10/94	36.3	35.4	2.70				36.3	35.4	2.7					69.5°W	Southerly	18	51	18	50	0.0	2.0						
R7/94	W11/94	36.4	35.5	2.23	27.8	27.3	2.0	36.4	35.5	2.2	152.1	151.2	151.2	0.0	69.5°W	Southerly	18	51	18	50	0.0	2.0	18	51	18	50	0.0	2.0
R7/94	W12/94	9.0	9.0	0.00				9.0	9.0	0.0					20.5°E	Southerly	13	25	13	25	0.0	0.0						
R8/94	W13/94	14.3	14.0	1.75	14.3	14.0	1.7	36.4	35.7	1.9	140.9	136.4	136.4	0.0	69.5°W	Southerly	8	20	8	19	0.0	5.0	8	20	8	19	0.0	5.0
R9/94	W14/94	8.7	7.7	11.65	27.8	27.0	2.6	8.7	7.7	11.6	154.5	153.7	153.7	0.0	159.5°W	Northerly	1	14	1	13	0.0	7.1	19	52	19	51	0.0	1.9
R9/94	W15/94	36.4	35.8	1.65				36.4	35.8	1.6					69.5°W	Southerly	19	52	19	51	0.0	1.9						
116 BONNER ROAD																												
R1/100	W1/100	29.2	28.4	2.64	29.7	26.4	11.1	29.2	28.4	2.6	222.1	214.5	201.8	5.9														
R1/100	W2/100	32.6	28.4	12.74				32.6	28.4	12.7																		
R1/100	W3/100	24.0	19.9	16.93				24.0	19.9	16.9																		
R1/101	W1/101	31.4	30.6	2.61	32.8	29.2	11.0	31.4	30.6	2.6	203.4	198.8	192.0	3.4														
R1/101	W2/101	34.9	30.6	12.41				34.9	30.6	12.4																		
R1/101	W3/101	29.7	24.7	16.72				29.7	24.7	16.7																		
R1/102	W1/102	36.4	32.5	10.48	36.4	32.4	10.9	36.4	32.5	10.5	187.3	167.8	160.5	4.4														
R1/102	W2/102	36.4	32.4	10.91				36.4	32.4	10.9																		
R1/102	W3/102	36.4	32.4	11.15				36.4	32.4	11.2																		
R1/103	W1/103	37.4	34.0	9.05	38.1	36.5	4.2	37.4	34.0	9.0	187.3	184.7	180.7	2.2	155.4°E	Northerly	2	18	2	18	0.0	0.0	21	64	21	64	0.0	0.0
R1/103	W14/103	38.8	38.8	0.00				38.8	38.8	0.0					65.9°E	Southerly	21	63	21	63	0.0	0.0						
114 BONNER ROAD																												
R2/100	W4/100	18.3	17.0	7.11	25.3	21.5	15.2	18.3	17.0	7.1	149.4	148.0	132.1	10.8														
R2/100	W5/100	31.6	26.7	15.50				31.6	26.7	15.5																		
R2/100	W6/100	18.7	14.6	21.68				18.7	14.6	21.7																		
R2/101	W7/101	29.0	27.6	4.76	32.3	27.9	13.7	29.0	27.6	4.8	149.4	147.7	134.6	8.9														
R2/101	W8/101	35.1	29.8	15.15				35.1	29.8	15.1																		
R2/101	W9/101	29.6	24.1	18.48				29.6	24.1	18.5																		
R3/102	W4/102	36.3	31.9	12.05	36.5	31.8	12.8	36.3	31.9	12.0	184.6	177.4	177.4	0.0														
R3/102	W5/102	36.6	31.8	13.11				36.6	31.8	13.1																		
R3/102	W6/102	36.6	31.7	13.25				36.6	31.7	13.3																		
R3/102	W7/102	36.6	31.7	13.40				36.6	31.7	13.4																		
R3/103	W2/103	37.2	33.4	10.17	37.3	33.3	10.7	37.2	33.4	10.2	184.6	177.5	177.5	0.0														
R3/103	W3/103	37.5	33.3	11.23				37.5	33.3	11.2																		
112 BONNER ROAD																												
R3/100	W7/100	17.8	15.8	11.27	25.3	20.8	17.7	17.8	15.8	11.3	150.8	149.1	129.2	13.3														
R3/100	W8/100	31.4	25.7	17.97				31.4	25.7	18.0																		
R3/100	W9/100	19.7	15.2	22.75				19.7	15.2	22.7																		
R3/101	W11/101	29.1	26.9	7.53	32.3	27.2	15.9	29.1	26.9	7.5	150.7	149.0	136.4	8.5														
R3/101	W12/101	35.2	29.0	17.66				35.2	29.0	17.7																		
R3/101	W13/101	29.5	23.6	20.09				29.5	23.6	20.1																		
R5/102	W8/102	36.5	31.2	14.49	36.5	31.2	14.5																					



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Location		Vertical Sky Component (VSC)			Average Vertical Sky Component (VSC) (weighted by window area)			Vertical Sky Component (VSC) Balcony/Walkway Effects Removed			No-Sky Line (NSL)				Window		Annual Probable Sunlight Hours (APSH) (window)				Annual Probable Sunlight Hours (APSH) (room)								
Room	Window	Existing VSC	Proposed VSC	%Loss	Existing VSC	Proposed VSC	%Loss	Existing VSC	Proposed VSC	%Loss	Whole Room sq ft	EXISTING sq ft	PROPOSED sq ft	%Loss	Angle from South	Aspect	EXISTING		PROPOSED		%Loss		EXISTING		PROPOSED		%Loss		
																	Winter %	Annual %	Winter %	Annual %	Winter %	Annual %	Winter %	Annual %	Winter %	Annual %	Winter %	Annual %	Winter %
R12/112	W14/112	36.2	29.6	18.19	36.2	29.6	18.2	36.2	29.6	18.2	129.7	126.3	126.3	0.0															
R11/113	W11/113	37.3	31.9	14.49	37.3	31.9	14.5	37.3	31.9	14.5	120.4	117.4	117.4	0.0															
R12/113	W12/113	37.3	32.0	14.24	37.3	32.0	14.2	37.3	32.0	14.2	129.7	126.3	126.3	0.0															
90 BONNER ROAD																													
R13/110	W19/110	24.5	18.2	25.72				24.5	18.2	25.7																			
R13/110	W20/110	31.4	23.6	24.80				31.4	23.6	24.8																			
R13/110	W21/110	11.7	8.6	25.96	24.6	18.4	25.2	11.7	8.6	26.0	195.8	185.4	119.1	35.8															
R13/111	W37/111	26.9	20.7	23.05				26.9	20.7	23.0																			
R13/111	W38/111	34.4	27.0	21.47				34.4	27.0	21.5																			
R13/111	W39/111	27.8	25.0	10.07	30.8	24.9	19.2	27.8	25.0	10.1	195.8	194.7	176.6	9.3															
R13/112	W15/112	36.0	29.8	17.31	36.0	29.8	17.3	36.0	29.8	17.3	111.1	108.8	108.8	0.0															
R14/112	W16/112	36.0	30.0	16.78	36.0	30.0	16.8	36.0	30.0	16.8	126.7	123.8	123.8	0.0															
R13/113	W13/113	37.2	32.2	13.47	37.2	32.2	13.5	37.2	32.2	13.5	111.1	108.8	108.8	0.0															
R14/113	W14/113	37.1	32.3	13.00	37.1	32.3	13.0	37.1	32.3	13.0	126.7	123.8	123.8	0.0															
88 BONNER ROAD																													
R16/110	W22/110	11.7	8.8	25.17				11.7	8.8	25.2																			
R16/110	W23/110	30.9	25.0	19.18				30.9	25.0	19.2																			
R16/110	W24/110	23.5	21.5	8.51	24.3	20.1	17.4	23.5	21.5	8.5	202.3	189.0	130.7	30.9															
R16/111	W46/111	28.2	22.1	21.73				28.2	22.1	21.7																			
R16/111	W47/111	34.3	27.6	19.36				34.3	27.6	19.4																			
R16/111	W48/111	25.7	23.9	7.16	30.7	25.3	17.4	25.7	23.9	7.2	202.3	200.8	186.6	7.1															
R15/112	W17/112	35.9	30.2	15.90	35.9	30.2	15.9	35.9	30.2	15.9	120.0	117.3	117.3	0.0															
R16/112	W18/112	35.8	30.3	15.28	35.8	30.3	15.3	35.8	30.3	15.3	125.3	122.9	122.9	0.0															
R15/113	W15/113	37.0	32.5	12.24	37.0	32.5	12.2	37.0	32.5	12.2	120.0	117.3	117.3	0.0															
R16/113	W16/113	37.0	32.6	11.74	37.0	32.6	11.7	37.0	32.6	11.7	125.3	122.9	122.9	0.0															
86 BONNER ROAD																													
R17/110	W25/110	24.6	18.3	25.68				24.6	18.3	25.7																			
R17/110	W26/110	31.1	24.7	20.50				31.1	24.7	20.5																			
R17/110	W27/110	12.2	10.1	16.90	24.8	19.5	21.3	12.2	10.1	16.9	197.2	183.5	136.7	25.5															
R17/111	W49/111	26.6	20.7	22.31				26.6	20.7	22.3																			
R17/111	W50/111	34.1	28.1	17.62				34.1	28.1	17.6																			
R17/111	W51/111	28.2	26.4	6.56	30.8	25.8	16.1	28.2	26.4	6.6	197.2	196.3	186.4	5.0															
R17/112	W19/112	35.6	30.6	14.03	35.6	30.6	14.0	35.6	30.6	14.0	113.7	111.4	111.4	0.0															
R18/112	W20/112	35.5	30.8	13.15	35.5	30.8	13.2	35.5	30.8	13.2	128.9	125.7	125.7	0.0															
R17/113	W17/113	36.9	32.9	10.76	36.9	32.9	10.8	36.9	32.9	10.8	113.7	111.4	111.4	0.0															
R18/113	W18/113	36.8	33.1	10.03	36.8	33.1	10.0	36.8	33.1	10.0	128.9	125.7	125.7	0.0															

84 BONNER ROAD



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Location		Vertical Sky Component (VSC)			Average Vertical Sky Component (VSC) (weighted by window area)			Vertical Sky Component (VSC) Balcony/Walkway Effects Removed			No-Sky Line (NSL)				Window		Annual Probable Sunlight Hours (APSH) (window)				Annual Probable Sunlight Hours (APSH) (room)							
Room	Window	Existing VSC	Proposed VSC	%Loss	Existing VSC	Proposed VSC	%Loss	Existing VSC	Proposed VSC	%Loss	Whole Room sq ft	EXISTING sq ft	PROPOSED sq ft	%Loss	Angle from South	Aspect	EXISTING		PROPOSED		%Loss		EXISTING		PROPOSED		%Loss	
																	Winter %	Annual %	Winter %	Annual %	Winter %Loss	Annual %Loss	Winter %	Annual %	Winter %Loss	Annual %Loss	Winter %Loss	Annual %Loss
R18/110	W28/110	18.5	14.9	19.35				18.5	14.9	19.4																		
R18/110	W29/110	31.3	26.6	14.96				31.3	26.6	15.0																		
R18/110	W30/110	26.1	24.8	4.72	26.4	23.0	13.1	26.1	24.8	4.7	227.4	219.7	172.9	21.3														
R20/111	W56/111	29.4	23.8	19.06				29.4	23.8	19.1																		
R20/111	W57/111	33.8	29.2	13.86				33.8	29.2	13.9																		
R20/111	W58/111	28.4	27.2	4.19	31.2	27.2	12.8	28.4	27.2	4.2	222.2	221.0	219.3	0.8														
R19/112	W21/112	34.6	30.3	12.30	34.6	30.3	12.3	34.6	30.3	12.3	115.3	114.1	114.1	0.0														
R20/112	W22/112	31.0	26.3	15.40				31.0	26.3	15.4																		
R20/112	W23/112	35.4	31.4	11.17				35.4	31.4	11.2																		
R20/112	W24/112	30.9	29.9	3.14	33.0	29.6	10.2	30.9	29.9	3.1	187.5	187.1	187.1	0.0														
R19/113	W19/113	36.7	33.4	9.18	36.7	33.4	9.2	36.7	33.4	9.2	115.3	114.1	114.1	0.0														
R20/113	W20/113	36.6	33.5	8.54	36.6	33.5	8.5	36.6	33.5	8.5	171.0	169.9	169.9	0.0														
82 BONNER ROAD																												
R1/120	W1/120	24.1	19.0	21.03				24.1	19.0	21.0																		
R1/120	W2/120	30.8	27.0	12.39				30.8	27.0	12.4																		
R1/120	W3/120	11.7	11.5	2.30	25.1	21.8	13.2	11.7	11.5	2.3	224.0	199.2	173.9	12.8														
R1/121	W1/121	25.4	20.7	18.55				25.4	20.7	18.6																		
R1/121	W2/121	33.8	30.0	11.34				33.8	30.0	11.3																		
R1/121	W3/121	26.8	26.6	0.89	30.4	27.1	10.6	26.8	26.6	0.9	207.7	206.3	199.1	3.5														
R1/122	W1/122	35.2	32.0	9.21	35.2	32.0	9.2	35.2	32.0	9.2	134.3	130.1	130.1	0.0														
R2/122	W2/122	35.3	32.3	8.34	35.3	32.3	8.3	35.3	32.3	8.3	138.9	134.8	134.8	0.0														
R1/123	W1/123	36.6	34.0	7.08	36.6	34.0	7.1	36.6	34.0	7.1	134.3	130.6	130.6	0.0														
R2/123	W2/123	36.5	34.2	6.43	36.5	34.2	6.4	36.5	34.2	6.4	138.9	135.3	135.3	0.0														
80 BONNER ROAD																												
R2/120	W4/120	12.7	12.3	3.07				12.7	12.3	3.1																		
R2/120	W5/120	30.0	27.3	8.75				30.0	27.3	8.7																		
R2/120	W6/120	19.0	18.9	0.47	23.6	22.0	6.5	19.0	18.9	0.5	233.1	213.9	192.8	9.9														
R4/121	W10/121	26.9	23.0	14.63				26.9	23.0	14.6																		
R4/121	W11/121	33.7	30.9	8.40				33.7	30.9	8.4																		
R4/121	W12/121	25.8	25.7	0.27	30.4	27.9	8.1	25.8	25.7	0.3	235.1	233.1	232.7	0.1														
R3/122	W3/122	35.3	32.8	7.12	35.3	32.8	7.1	35.3	32.8	7.1	133.5	129.9	129.9	0.0														
R4/122	W4/122	35.2	32.9	6.73	35.2	32.9	6.7	35.2	32.9	6.7	140.7	137.1	137.1	0.0														
R3/123	W3/123	36.5	34.5	5.45	36.5	34.5	5.5	36.5	34.5	5.5	133.5	130.4	130.4	0.0														
R4/123	W4/123	36.5	34.6	5.18	36.5	34.6	5.2	36.5	34.6	5.2	140.7	137.2	137.2	0.0														
78 BONNER ROAD																												
R3/120	W7/120	19.1	17.9	6.04				19.1	17.9	6.0																		
R3/120	W8/120	29.9	28.5	4.85				29.9	28.5	4.8																		
R3/120	W9/120	12.8	12.7	0.16	23.3	22.3	4.5	12.8	12.7	0.2	237.7	216.6	207.0	4.4														



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Location		Vertical Sky Component (VSC)			Average Vertical Sky Component (VSC) (weighted by window area)			Vertical Sky Component (VSC) Balcony/Walkway Effects Removed			No-Sky Line (NSL)				Window		Annual Probable Sunlight Hours (APSH) (window)						Annual Probable Sunlight Hours (APSH) (room)					
Room	Window	Existing VSC	Proposed VSC	%Loss	Existing VSC	Proposed VSC	%Loss	Existing VSC	Proposed VSC	%Loss	Whole Room sq ft	EXISTING sq ft	PROPOSED sq ft	%Loss	Angle from South	Aspect	EXISTING		PROPOSED		Winter %Loss	Annual %Loss	EXISTING		PROPOSED		Winter %Loss	Annual %Loss
																	Winter %	Annual %	Winter %	Annual %			Winter %	Annual %	Winter %	Annual %		
R5/144	W8/144	37.3	31.8	14.73	37.7	32.1	14.9	37.3	31.8	14.7	311.9	303.4	276.3	8.9	59.9°E	Southerly	15	54	9	48	40.0	11.1	23	68	17	62	26.1	8.8
R6/144	W9/144	38.9	33.9	12.86	38.9	33.9	12.9	38.9	33.9	12.9	134.2	132.5	129.9	1.9	59.9°E	Southerly	22	67	17	62	22.7	7.5	22	67	17	62	22.7	7.5
R7/144	W10/144	37.4	33.0	11.79	37.4	33.0	11.8	37.4	33.0	11.8	217.9	196.7	179.4	8.8	59.9°E	Southerly	23	68	19	64	17.4	5.9	23	68	19	64	17.4	5.9
R8/144	W11/144	39.1	35.5	9.16				39.1	35.5	9.2					59.9°E	Southerly	23	68	19	64	17.4	5.9						
R8/144	W12/144	24.4	24.4	0.00	28.0	27.1	3.2	39.5	39.5	0.0	266.1	258.2	258.2	0.0	149.1°E	Northerly	0	2	0	2	-	0.0	23	68	19	64	17.4	5.9
R1/145	W1/145	24.3	20.2	17.11	24.3	20.2	17.1	39.5	35.0	11.2	192.2	190.3	188.3	1.1	59.2°E	Southerly	17	46	14	43	17.6	6.5	17	46	14	43	17.6	6.5
R2/145	W2/145	26.1	22.4	14.39	26.1	22.4	14.4	39.4	35.4	10.4	104.5	104.1	104.1	0.0	59.2°E	Southerly	17	43	14	40	17.6	7.0	17	43	14	40	17.6	7.0
R4/145	W4/145	23.2	19.9	14.17	23.2	19.9	14.2	38.2	34.7	9.3	104.5	104.3	104.3	0.0	59.2°E	Southerly	17	40	15	38	11.8	5.0	17	40	15	38	11.8	5.0
R5/145	W5/145	39.3	36.5	7.17				39.3	36.5	7.2					59.9°E	Southerly	23	66	21	64	8.7	3.0						
R5/145	W6/145	24.9	24.9	0.00				39.6	39.6	0.0					149.1°E	Northerly	0	2	0	2	-	0.0						
R5/145	W7/145	19.9	19.9	0.00				39.6	39.6	0.0					149.1°E	Northerly	0	5	0	5	-	0.0						
R5/145	W8/145	27.3	27.3	0.00				39.6	39.6	0.0					149.1°E	Northerly	0	9	0	9	-	0.0						
R5/145	W9/145	19.2	19.2	0.00	26.2	25.8	1.5	39.6	39.6	0.0	698.1	691.7	691.7	0.0	149.1°E	Northerly	0	5	0	5	-	0.0	23	66	21	64	8.7	3.0