

**APPENDIX 12.6**

**EXISTING VS. PROPOSED APSH TABULAR ANALYSIS (SUNLIGHT ANALYSIS)**



# SUNLIGHT ANALYSIS

Homebase, Syon Lane

Existing vs Proposed Scheme Received 17/20/2020

P1964 - Rel18 - Updated 3D Model, 2D Plans

APSH														
Room	Window	Room Use	Window				Winter %Loss	Annual %Loss	Room				Winter %Loss	Annual %Loss
			Existing		Proposed				Existing		Proposed			
			Winter APSH	Annual APSH	Winter APSH	Annual APSH			Winter APSH	Annual APSH	Winter APSH	Annual APSH		

## Block 1, 1 New Horizons Court

R1/130	W2/130	BEDROOM	21	63	19	61	9.5	3.2	21	63	19	61	9.5	3.2
R2/130	W1/130	LKD	24	70	21	67	12.5	4.3						
R2/130	W3/130	LKD	21	64	19	62	9.5	3.1						
R2/130	W4/130	LKD	27	77	24	74	11.1	3.9						
R2/130	W5/130	LKD	28	82	24	78	14.3	4.9						
R2/130	W6/130	LKD	28	86	23	81	17.9	5.8						
R2/130	W7/130	LKD	28	84	23	79	17.9	6.0	28	89	25	86	10.7	3.4
R3/130	W8/130	BEDROOM	28	84	23	79	17.9	6.0	28	84	23	79	17.9	6.0
R4/130	W9/130	LKD	27	78	22	73	18.5	6.4	27	78	22	73	18.5	6.4
R5/130	W10/130	BEDROOM	27	76	23	72	14.8	5.3	27	76	23	72	14.8	5.3
R7/130	W12/130	STUDIO	25	72	19	66	24.0	8.3	25	72	19	66	24.0	8.3
R8/130	W13/130	BEDROOM	23	75	18	70	21.7	6.7	23	75	18	70	21.7	6.7
R9/130	W14/130	LKD	23	73	19	69	17.4	5.5	23	73	19	69	17.4	5.5



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Homebase, Syon Lane

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P1964 - Rel18 - Updated 3D Model, 2D Plans

## APSH

Room	Window	Room Use	Window				Winter %Loss	Annual %Loss	Room				Winter %Loss	Annual %Loss
			Existing		Proposed				Existing		Proposed			
			Winter APSH	Annual APSH	Winter APSH	Annual APSH			Winter APSH	Annual APSH	Winter APSH	Annual APSH		
R10/130	W15/130	BEDROOM	20	69	18	67	10.0	2.9	20	69	18	67	10.0	2.9
R11/130	W16/130	LKD	17	64	16	63	5.9	1.6	17	64	16	63	5.9	1.6
R1/131	W4/131	BEDROOM	21	54	19	52	9.5	3.7	21	54	19	52	9.5	3.7
R2/131	W1/131	LKD	21	56	19	54	9.5	3.6						
R2/131	W2/131	LKD	24	60	21	57	12.5	5.0						
R2/131	W3/131	LKD	26	65	23	62	11.5	4.6						
R2/131	W5/131	LKD	28	73	24	69	14.3	5.5						
R2/131	W6/131	LKD	28	79	25	76	10.7	3.8						
R2/131	W7/131	LKD	28	77	25	74	10.7	3.9	28	83	26	81	7.1	2.4
R3/131	W8/131	BEDROOM	28	76	25	73	10.7	3.9	28	76	25	73	10.7	3.9
R4/131	W9/131	LKD	26	34	23	31	11.5	8.8	26	34	23	31	11.5	8.8
R5/131	W10/131	BEDROOM	26	36	23	33	11.5	8.3	26	36	23	33	11.5	8.3
R7/131	W12/131	STUDIO	26	78	21	73	19.2	6.4	26	78	21	73	19.2	6.4
R8/131	W13/131	BEDROOM	24	79	20	75	16.7	5.1	24	79	20	75	16.7	5.1



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APSH														
Room	Window	Room Use	Window				Winter %Loss	Annual %Loss	Room				Winter %Loss	Annual %Loss
			Existing		Proposed				Existing		Proposed			
			Winter APSH	Annual APSH	Winter APSH	Annual APSH			Winter APSH	Annual APSH	Winter APSH	Annual APSH		
R9/131	W14/131	LKD	23	77	19	73	17.4	5.2	23	77	19	73	17.4	5.2
R10/131	W15/131	BEDROOM	22	74	19	71	13.6	4.1	22	74	19	71	13.6	4.1
R11/131	W16/131	LKD	22	73	19	70	13.6	4.1	22	73	19	70	13.6	4.1
R1/132	W2/132		21	61	20	60	4.8	1.6	21	61	20	60	4.8	1.6
R2/132	W1/132		27	69	25	67	7.4	2.9	27	69	25	67	7.4	2.9
R3/132	W4/132	LKD	11	38	11	38	0.0	0.0	11	38	11	38	0.0	0.0
R4/132	W5/132	LKD	13	41	13	41	0.0	0.0						
R4/132	W6/132	LKD	28	51	24	47	14.3	7.8	28	75	24	71	14.3	5.3
R5/132	W7/132	BEDROOM	26	51	23	48	11.5	5.9	26	51	23	48	11.5	5.9
R6/132	W8/132	BEDROOM	26	51	23	48	11.5	5.9	26	51	23	48	11.5	5.9
R7/132	W9/132	LKD	26	53	23	50	11.5	5.7	26	53	23	50	11.5	5.7
R1/133	W2/133	BEDROOM	27	70	25	68	7.4	2.9	27	70	25	68	7.4	2.9



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Room	Window	Room Use	Window				Winter %Loss	Annual %Loss	Room				Winter %Loss	Annual %Loss
			Existing		Proposed				Existing		Proposed			
			Winter APSH	Annual APSH	Winter APSH	Annual APSH			Winter APSH	Annual APSH	Winter APSH	Annual APSH		
R2/133	W3/133	LKD	27	71	25	69	7.4	2.8	27	71	25	69	7.4	2.8
R3/133	W1/133	LKD	29	74	27	72	6.9	2.7						
R3/133	W4/133	LKD	18	53	18	53	0.0	0.0	29	91	27	89	6.9	2.2
R4/133	W5/133	LKD	15	43	15	43	0.0	0.0	15	43	15	43	0.0	0.0
R5/133	W6/133	BEDROOM	15	44	15	44	0.0	0.0	15	44	15	44	0.0	0.0
R6/133	W7/133	LKD	15	44	15	44	0.0	0.0						
R6/133	W8/133	LKD	28	73	25	70	10.7	4.1	28	91	25	88	10.7	3.3
R7/133	W9/133	BEDROOM	28	72	25	69	10.7	4.2	28	72	25	69	10.7	4.2
R8/133	W10/133	BEDROOM	11	11	8	8	27.3	27.3						
R8/133	W11/133	BEDROOM	21	35	19	33	9.5	5.7	22	36	19	33	13.6	8.3
R9/133	W12/133	LKD	25	61	23	59	8.0	3.3						
R9/133	W13/133	LKD	28	76	25	73	10.7	3.9						
R9/133	W14/133	LKD	28	81	26	79	7.1	2.5	29	85	26	82	10.3	3.5
R1/134	W1/134	BEDROOM	30	86	30	86	0.0	0.0	30	86	30	86	0.0	0.0



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Room	Window	Room Use	Window				Winter %Loss	Annual %Loss	Room				Winter %Loss	Annual %Loss
			Existing		Proposed				Existing		Proposed			
			Winter APSH	Annual APSH	Winter APSH	Annual APSH			Winter APSH	Annual APSH	Winter APSH	Annual APSH		
R2/134	W2/134	LKD	18	58	18	58	0.0	0.0						
R2/134	W3/134	LKD	30	99	27	96	10.0	3.0	30	100	28	98	6.7	2.0

## Block 4, 1 New Horizons Court

R1/510	W2/510	RESI_ASSUMED	20	56	13	49	35.0	12.5						
R1/510	W3/510	RESI_ASSUMED	23	67	13	57	43.5	14.9						
R1/510	W4/510	RESI_ASSUMED	24	69	13	58	45.8	15.9						
R1/510	W5/510	RESI_ASSUMED	25	72	12	59	52.0	18.1	25	72	13	60	48.0	16.7
R2/510	W6/510	RESI_ASSUMED	28	75	16	63	42.9	16.0	28	75	16	63	42.9	16.0
R3/510	W7/510	RESI_ASSUMED	26	73	14	61	46.2	16.4	26	73	14	61	46.2	16.4
R4/510	W8/510	RESI_ASSUMED	27	76	16	65	40.7	14.5	27	76	16	65	40.7	14.5
R5/510	W9/510	RESI_ASSUMED	26	74	15	63	42.3	14.9	26	74	15	63	42.3	14.9
R6/510	W10/510	RESI_ASSUMED	27	78	15	65	44.4	16.7	27	78	15	65	44.4	16.7
R7/510	W11/510	RESI_ASSUMED	25	74	12	60	52.0	18.9	25	74	12	60	52.0	18.9
R8/510	W12/510	RESI_ASSUMED	26	81	14	68	46.2	16.0						



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			Existing		Proposed				Existing		Proposed			
			Winter APSH	Annual APSH	Winter APSH	Annual APSH			Winter APSH	Annual APSH	Winter APSH	Annual APSH		
R8/510	W13/510	RESI_ASSUMED	26	82	14	68	46.2	17.1						
R8/510	W14/510	RESI_ASSUMED	26	83	14	69	46.2	16.9						
R8/510	W15/510	RESI_ASSUMED	26	78	14	64	46.2	17.9	26	85	14	72	46.2	15.3
R9/510	W16/510	RESI_ASSUMED	27	74	13	59	51.9	20.3						
R9/510	W17/510	RESI_ASSUMED	25	70	11	55	56.0	21.4						
R9/510	W18/510	RESI_ASSUMED	25	67	11	52	56.0	22.4						
R9/510	W19/510	RESI_ASSUMED	22	59	8	44	63.6	25.4	27	74	13	59	51.9	20.3
R10/510	W1/510	RESI_ASSUMED	15	43	10	38	33.3	11.6						
R10/510	W20/510	RESI_ASSUMED	12	40	9	37	25.0	7.5						
R10/510	W21/510	RESI_ASSUMED	10	37	9	36	10.0	2.7						
R10/510	W22/510	RESI_ASSUMED	8	36	8	36	0.0	0.0	18	55	13	50	27.8	9.1
R1/511	W5/511	RESI_ASSUMED	17	21	11	15	35.3	28.6						
R1/511	W6/511	RESI_ASSUMED	23	45	13	35	43.5	22.2						
R1/511	W7/511	RESI_ASSUMED	24	67	13	56	45.8	16.4						
R1/511	W8/511	RESI_ASSUMED	25	71	13	59	48.0	16.9	25	71	13	59	48.0	16.9
R2/511	W2/511	RESI_ASSUMED	27	65	15	53	44.4	18.5	27	65	15	53	44.4	18.5
R3/511	W3/511	RESI_ASSUMED	25	64	14	53	44.0	17.2	25	64	14	53	44.0	17.2



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			Existing		Proposed				Existing		Proposed			
			Winter APSH	Annual APSH	Winter APSH	Annual APSH			Winter APSH	Annual APSH	Winter APSH	Annual APSH		
R4/511	W4/511	RESI_ASSUMED	26	64	17	55	34.6	14.1	26	64	17	55	34.6	14.1
R5/511	W9/511	RESI_ASSUMED	24	64	16	56	33.3	12.5	24	64	16	56	33.3	12.5
R6/511	W10/511	RESI_ASSUMED	27	65	17	55	37.0	15.4	27	65	17	55	37.0	15.4
R7/511	W11/511	RESI_ASSUMED	25	65	13	52	48.0	20.0	25	65	13	52	48.0	20.0
R8/511	W13/511	RESI_ASSUMED	28	84	15	70	46.4	16.7						
R8/511	W14/511	RESI_ASSUMED	27	84	15	71	44.4	15.5						
R8/511	W15/511	RESI_ASSUMED	28	86	15	72	46.4	16.3						
R8/511	W16/511	RESI_ASSUMED	28	84	15	70	46.4	16.7	28	91	15	77	46.4	15.4
R9/511	W17/511	RESI_ASSUMED	28	79	14	64	50.0	19.0						
R9/511	W18/511	RESI_ASSUMED	26	75	13	61	50.0	18.7						
R9/511	W19/511	RESI_ASSUMED	25	71	12	58	52.0	18.3						
R9/511	W20/511	RESI_ASSUMED	22	62	9	49	59.1	21.0	28	79	15	66	46.4	16.5
R10/511	W12/511	RESI_ASSUMED	6	16	3	13	50.0	18.8						
R10/511	W21/511	RESI_ASSUMED	5	21	3	19	40.0	9.5						
R10/511	W22/511	RESI_ASSUMED	6	25	6	25	0.0	0.0						
R10/511	W23/511	RESI_ASSUMED	6	31	6	31	0.0	0.0	10	36	7	33	30.0	8.3





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			Existing		Proposed				Existing		Proposed			
			Winter APSH	Annual APSH	Winter APSH	Annual APSH			Winter APSH	Annual APSH	Winter APSH	Annual APSH		
R1/512	W2/512	RESI_ASSUMED	20	56	16	52	20.0	7.1						
R1/512	W3/512	RESI_ASSUMED	22	58	15	51	31.8	12.1						
R1/512	W4/512	RESI_ASSUMED	22	62	14	54	36.4	12.9						
R1/512	W5/512	RESI_ASSUMED	21	61	13	53	38.1	13.1	23	64	16	57	30.4	10.9
R2/512	W6/512	RESI_ASSUMED	18	24	11	17	38.9	29.2	18	24	11	17	38.9	29.2
R3/512	W7/512	RESI_ASSUMED	18	21	11	14	38.9	33.3	18	21	11	14	38.9	33.3
R4/512	W8/512	RESI_ASSUMED	17	19	11	13	35.3	31.6	17	19	11	13	35.3	31.6
R5/512	W9/512	RESI_ASSUMED	18	20	11	13	38.9	35.0	18	20	11	13	38.9	35.0
R6/512	W10/512	RESI_ASSUMED	18	20	10	12	44.4	40.0	18	20	10	12	44.4	40.0
R7/512	W11/512	RESI_ASSUMED	19	21	11	13	42.1	38.1	19	21	11	13	42.1	38.1
R8/512	W12/512	RESI_ASSUMED	29	72	18	61	37.9	15.3						
R8/512	W13/512	RESI_ASSUMED	29	80	18	69	37.9	13.8						
R8/512	W14/512	RESI_ASSUMED	29	83	17	71	41.4	14.5						
R8/512	W15/512	RESI_ASSUMED	29	83	17	71	41.4	14.5	29	89	18	78	37.9	12.4
R9/512	W16/512	RESI_ASSUMED	29	78	17	66	41.4	15.4						



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			Existing		Proposed				Existing		Proposed			
			Winter APSH	Annual APSH	Winter APSH	Annual APSH			Winter APSH	Annual APSH	Winter APSH	Annual APSH		
R9/512	W17/512	RESI_ASSUMED	29	78	16	65	44.8	16.7						
R9/512	W18/512	RESI_ASSUMED	27	72	14	59	48.1	18.1						
R9/512	W19/512	RESI_ASSUMED	26	67	13	54	50.0	19.4						
R9/512	W20/512	RESI_ASSUMED	23	62	10	49	56.5	21.0	29	80	18	69	37.9	13.8
R10/512	W21/512	RESI_ASSUMED	15	44	14	43	6.7	2.3						
R10/512	W22/512	RESI_ASSUMED	16	49	14	47	12.5	4.1						
R10/512	W23/512	RESI_ASSUMED	12	40	11	39	8.3	2.5						
R10/512	W24/512	RESI_ASSUMED	10	38	10	38	0.0	0.0	16	49	14	47	12.5	4.1
R1/513	W1/513	LKD	27	90	21	84	22.2	6.7						
R1/513	W2/513	LKD	28	82	22	76	21.4	7.3	28	91	22	85	21.4	6.6
R2/513	W3/513	BEDROOM	18	44	13	39	27.8	11.4	18	44	13	39	27.8	11.4
R3/513	W4/513	LKD	28	82	20	74	28.6	9.8	28	82	20	74	28.6	9.8
R4/513	W5/513	BEDROOM	17	39	11	33	35.3	15.4	17	39	11	33	35.3	15.4
R5/513	W6/513	LKD	28	82	19	73	32.1	11.0						
R5/513	W7/513	LKD	30	99	24	93	20.0	6.1	30	99	24	93	20.0	6.1



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## APSH

Room	Window	Room Use	Window				Winter %Loss	Annual %Loss	Room				Winter %Loss	Annual %Loss
			Existing		Proposed				Existing		Proposed			
			Winter APSH	Annual APSH	Winter APSH	Annual APSH			Winter APSH	Annual APSH	Winter APSH	Annual APSH		
R4/50	W6/50	RECEPTION_ASSUMED	3	24	3	19	0.0	20.8						
R4/50	W7/50	RECEPTION_ASSUMED	3	26	3	20	0.0	23.1						
R4/50	W8/50	RECEPTION_ASSUMED	4	19	4	13	0.0	31.6	4	27	4	22	0.0	18.5
R4/51	W6/51	RECEPTION_ASSUMED	3	24	3	19	0.0	20.8						
R4/51	W7/51	RECEPTION_ASSUMED	4	32	4	27	0.0	15.6						
R4/51	W8/51	RECEPTION_ASSUMED	3	22	3	17	0.0	22.7	4	32	4	27	0.0	15.6

### 13-14 Northumberland Gardens

R4/40	W6/40	RECEPTION_ASSUMED	3	24	3	17	0.0	29.2						
R4/40	W7/40	RECEPTION_ASSUMED	4	27	4	20	0.0	25.9						
R4/40	W8/40	RECEPTION_ASSUMED	4	19	4	12	0.0	36.8	4	27	4	20	0.0	25.9
R4/41	W6/41	RECEPTION_ASSUMED	3	24	3	19	0.0	20.8						
R4/41	W7/41	RECEPTION_ASSUMED	5	33	5	28	0.0	15.2						
R4/41	W8/41	RECEPTION_ASSUMED	3	23	3	18	0.0	21.7	5	33	5	28	0.0	15.2

### 9-10 Northumberland Gardens

R4/30	W6/30	RECEPTION_ASSUMED	3	24	3	18	0.0	25.0						
R4/30	W7/30	RECEPTION_ASSUMED	4	27	4	21	0.0	22.2						



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Room	Window	Room Use	Window				Winter %Loss	Annual %Loss	Room				Winter %Loss	Annual %Loss
			Existing		Proposed				Existing		Proposed			
			Winter APSH	Annual APSH	Winter APSH	Annual APSH			Winter APSH	Annual APSH	Winter APSH	Annual APSH		
R4/30	W8/30	RECEPTION_ASSUMED	3	19	3	13	0.0	31.6	4	27	4	21	0.0	22.2
R4/31	W6/31	RECEPTION_ASSUMED	3	24	3	18	0.0	25.0						
R4/31	W7/31	RECEPTION_ASSUMED	4	32	4	26	0.0	18.8						
R4/31	W8/31	RECEPTION_ASSUMED	3	23	3	17	0.0	26.1	4	32	4	26	0.0	18.8

### 5-6 Northumberland Gardens

R4/20	W8/20	RECEPTION_ASSUMED	3	23	3	19	0.0	17.4						
R4/20	W9/20	RECEPTION_ASSUMED	4	26	4	22	0.0	15.4						
R4/20	W10/20	RECEPTION_ASSUMED	4	18	4	14	0.0	22.2	4	26	4	22	0.0	15.4
R4/21	W6/21	RECEPTION_ASSUMED	3	24	3	19	0.0	20.8						
R4/21	W7/21	RECEPTION_ASSUMED	4	32	4	27	0.0	15.6						
R4/21	W8/21	RECEPTION_ASSUMED	3	23	3	18	0.0	21.7	4	32	4	27	0.0	15.6

### 1-2 Northumberland Gardens

R5/10	W14/10	RECEPTION_ASSUMED	3	24	3	21	0.0	12.5						
R5/10	W15/10	RECEPTION_ASSUMED	4	27	4	24	0.0	11.1						
R5/10	W16/10	RECEPTION_ASSUMED	4	20	4	17	0.0	15.0	4	27	4	24	0.0	11.1
R4/11	W6/11	RECEPTION_ASSUMED	3	24	3	21	0.0	12.5						



# SUNLIGHT ANALYSIS

Homebase, Syon Lane

Existing vs Proposed Scheme Received 17/20/2020

P1964 - Rel18 - Updated 3D Model, 2D Plans

APSH														
Room	Window	Room Use	Window				Winter %Loss	Annual %Loss	Room				Winter %Loss	Annual %Loss
			Existing		Proposed				Existing		Proposed			
			Winter APSH	Annual APSH	Winter APSH	Annual APSH			Winter APSH	Annual APSH	Winter APSH	Annual APSH		
R4/11	W7/11	RECEPTION_ASSUMED	4	32	4	29	0.0	9.4						
R4/11	W8/11	RECEPTION_ASSUMED	3	23	3	20	0.0	13.0	4	32	4	29	0.0	9.4

## 46 Cherry Crescent

R1/350	W1/350	LIVINGROOM	8	42	8	37	0.0	11.9						
R1/350	W2/350	LIVINGROOM	6	39	6	35	0.0	10.3						
R1/350	W3/350	LIVINGROOM	2	21	2	16	0.0	23.8						
R1/350	W4/350	LIVINGROOM	6	31	6	26	0.0	16.1	8	42	8	38	0.0	9.5