

FORMER KEW BIOTHANE PLANT DAYLIGHT ANALYSIS
LONDON Existing_trees vs PROPOSED SCHEME DATED 010818

AUG 2018

Room	Room Use	Window	EXISTING VSC	PROPOSED VSC	LOSS VSC	%LOSS VSC
R4/261	LKD	W24/261	21.01	21.03	-0.02	-0.10
R4/261	LKD	W25/261	21.40	21.55	-0.15	-0.70
R4/261	LKD	W26/261	33.17	32.87	0.30	0.90
R5/261	BEDROOM	W27/261	36.89	36.68	0.21	0.57
R6/261	BEDROOM	W28/261	37.32	37.04	0.28	0.75
R1/262	ASSUMED_LKD_PCD	W1/262	19.27	19.27	0.00	0.00
R1/262	ASSUMED_LKD_PCD	W2/262	19.51	19.51	0.00	0.00
R1/262	ASSUMED_LKD_PCD	W3/262	34.82	34.71	0.11	0.32
R1/262	ASSUMED_LKD_PCD	W4/262	35.41	34.59	0.82	2.32
R1/262	ASSUMED_LKD_PCD	W5/262	36.10	33.99	2.11	5.84
R1/262	ASSUMED_LKD_PCD	W6/262	36.83	33.02	3.81	10.34
R1/262	ASSUMED_LKD_PCD	W7/262	37.60	32.33	5.27	14.02
R1/262	ASSUMED_LKD_PCD	W8/262	31.99	26.57	5.42	16.94
R1/262	ASSUMED_LKD_PCD	W9/262	34.26	28.31	5.95	17.37
R1/262	ASSUMED_LKD_PCD	W10/262	36.88	30.60	6.28	17.03
R2/262	BEDROOM	W11/262	36.64	30.06	6.58	17.96
R2/262	BEDROOM	W12/262	8.65	6.74	1.91	22.08
R2/262	BEDROOM	W13/262	15.87	9.43	6.44	40.58
R3/262	LKD	W14/262	15.23	10.55	4.68	30.73
R3/262	LKD	W15/262	7.72	7.28	0.44	5.70
R3/262	LKD	W16/262	36.50	29.32	7.18	19.67
R4/262	LKD	W17/262	33.88	26.48	7.40	21.84
R4/262	LKD	W18/262	30.82	26.84	3.98	12.91
R4/262	LKD	W19/262	38.76	30.50	8.26	21.31
R4/262	LKD	W20/262	39.06	31.58	7.48	19.15
R4/262	LKD	W21/262	39.29	33.36	5.93	15.09
R4/262	LKD	W22/262	39.41	35.54	3.87	9.82
R4/262	LKD	W23/262	39.29	37.24	2.05	5.22
R4/262	LKD	W24/262	21.61	21.61	0.00	0.00
R4/262	LKD	W25/262	22.11	21.89	0.22	1.00
R4/262	LKD	W26/262	34.68	34.07	0.61	1.76
R5/262	BEDROOM	W27/262	38.03	37.50	0.53	1.39
R6/262	BEDROOM	W28/262	38.24	37.73	0.51	1.33
R1/263	ASSUMED_LKD_PCD	W1/263	34.73	34.73	0.00	0.00
R1/263	ASSUMED_LKD_PCD	W2/263	32.13	32.13	0.00	0.00

FORMER KEW BIOTHANE PLANT DAYLIGHT ANALYSIS
LONDON Existing_trees vs PROPOSED SCHEME DATED 010818

AUG 2018

Room	Room Use	Window	EXISTING VSC	PROPOSED VSC	LOSS VSC	%LOSS VSC
R1/263	ASSUMED_LKD_PCD	W3/263	37.42	37.34	0.08	0.21
R1/263	ASSUMED_LKD_PCD	W4/263	37.78	37.17	0.61	1.61
R1/263	ASSUMED_LKD_PCD	W5/263	38.13	36.53	1.60	4.20
R1/263	ASSUMED_LKD_PCD	W6/263	38.44	35.54	2.90	7.54
R1/263	ASSUMED_LKD_PCD	W7/263	38.74	34.72	4.02	10.38
R1/263	ASSUMED_LKD_PCD	W8/263	33.53	29.35	4.18	12.47
R1/263	ASSUMED_LKD_PCD	W9/263	34.94	30.40	4.54	12.99
R1/263	ASSUMED_LKD_PCD	W10/263	37.95	33.15	4.80	12.65
R2/263	BEDROOM	W11/263	38.46	33.41	5.05	13.13
R2/263	BEDROOM	W12/263	10.33	8.85	1.48	14.33
R2/263	BEDROOM	W13/263	17.67	12.71	4.96	28.07
R3/263	LKD	W14/263	17.20	13.59	3.61	20.99
R3/263	LKD	W15/263	9.71	9.40	0.31	3.19
R3/263	LKD	W16/263	38.11	32.59	5.52	14.48
R4/263	LKD	W17/263	34.32	28.60	5.72	16.67
R4/263	LKD	W18/263	33.07	29.99	3.08	9.31
R4/263	LKD	W19/263	39.13	32.70	6.43	16.43
R4/263	LKD	W20/263	39.31	33.47	5.84	14.86
R4/263	LKD	W21/263	39.43	34.80	4.63	11.74
R4/263	LKD	W22/263	39.50	36.46	3.04	7.70
R4/263	LKD	W23/263	39.41	37.81	1.60	4.06
R4/263	LKD	W24/263	32.91	32.91	0.00	0.00
R4/263	LKD	W25/263	36.24	36.06	0.18	0.50
R4/263	LKD	W26/263	38.35	37.86	0.49	1.28
R5/263	BEDROOM	W27/263	38.69	38.19	0.50	1.29
R6/263	BEDROOM	W28/263	38.75	38.33	0.42	1.08
R1/264	BEDROOM	W1/264	33.76	33.75	0.01	0.03
R1/264	BEDROOM	W2/264	33.28	30.32	2.96	8.89
R2/264	LKD	W3/264	37.99	34.36	3.63	9.56
R2/264	LKD	W4/264	28.48	24.93	3.55	12.46
R2/264	LKD	W5/264	22.44	19.55	2.89	12.88
R2/264	LKD	W6/264	24.85	22.92	1.93	7.77
R2/264	LKD	W7/264	16.20	16.12	0.08	0.49
R2/264	LKD	W8/264	31.12	30.31	0.81	2.60
R2/264	LKD	W9/264	36.41	34.38	2.03	5.58
R2/264	LKD	W10/264	38.13	34.83	3.30	8.65
R2/264	LKD	W11/264	38.60	34.47	4.13	10.70

FORMER KEW BIOTHANE PLANT DAYLIGHT ANALYSIS
LONDON Existing_trees vs PROPOSED SCHEME DATED 010818

AUG 2018

Room	Room Use	Window	EXISTING VSC	PROPOSED VSC	LOSS VSC	%LOSS VSC
R2/264	LKD	W12/264	38.91	34.45	4.46	11.46
R2/264	LKD	W13/264	38.90	34.86	4.04	10.39
R2/264	LKD	W14/264	38.87	35.66	3.21	8.26
R2/264	LKD	W15/264	38.81	36.72	2.09	5.39
R2/264	LKD	W16/264	38.70	37.62	1.08	2.79
R2/264	LKD	W17/264	37.97	37.68	0.29	0.76
R2/264	LKD	W18/264	37.22	37.22	0.00	0.00
R2/264	LKD	W19/264	35.46	35.46	0.00	0.00
R2/264	LKD	W20/264	30.46	30.46	0.00	0.00
R2/264	LKD	W21/264	16.59	16.59	0.00	0.00
R2/264	LKD	W22/264	24.56	24.56	0.00	0.00
R2/264	LKD	W23/264	22.64	22.64	0.00	0.00
R2/264	LKD	W24/264	28.27	28.24	0.03	0.11
R2/264	LKD	W25/264	12.61	11.73	0.88	6.98
R2/264	LKD	W26/264	17.98	17.92	0.06	0.33
R2/264	LKD	W27/264	30.16	29.48	0.68	2.25
R2/264	LKD	W28/264	32.67	30.95	1.72	5.26
R2/264	LKD	W29/264	33.31	30.49	2.82	8.47
R2/264	LKD	W30/264	33.29	29.75	3.54	10.63
R2/264	LKD	W31/264	33.17	29.51	3.66	11.03
R2/264	LKD	W32/264	32.69	29.37	3.32	10.16
R2/264	LKD	W33/264	32.14	29.50	2.64	8.21
R2/264	LKD	W34/264	31.57	29.86	1.71	5.42
R2/264	LKD	W35/264	31.03	30.15	0.88	2.84
R2/264	LKD	W36/264	30.08	29.83	0.25	0.83
R2/264	LKD	W37/264	29.44	29.44	0.00	0.00
R2/264	LKD	W38/264	28.91	28.91	0.00	0.00
R2/264	LKD	W39/264	26.87	26.87	0.00	0.00
R2/264	LKD	W40/264	16.93	16.93	0.00	0.00
R2/264	LKD	W41/264	12.62	12.62	0.00	0.00
R3/264	ASSUMED_PCD	W42/264	37.99	37.65	0.34	0.89
R3/264	ASSUMED_PCD	W43/264	31.26	31.26	0.00	0.00

Room/ Floor	Room Use	Whole Room	Prev sq ft	New sq ft	Loss sq ft	%Loss
----------------	----------	---------------	---------------	--------------	---------------	-------

13 WOODMAN MEWS

R1/10	ASSUMED_KD	207.2	204.6	170.3	34.3	16.8
R1/11	ASSUMED_DINING	209.3	207.3	189.2	18.1	8.7
R1/12	ASSUMED_BEDROOM	209.3	207.3	195.8	11.5	5.5
R1/13	ASSUMED_BEDROOM	102.7	100.0	93.6	6.4	6.4
R2/13	ASSUMED_BEDROOM	102.7	100.8	95.6	5.2	5.2

11 WOODMAN MEWS

R2/10	KD	207.2	200.5	168.2	32.3	16.1
R2/11	DINING	209.3	202.4	188.9	13.5	6.7
R2/12	BEDROOM	209.3	202.9	195.9	7.0	3.4
R3/13	BEDROOM	102.7	99.9	95.8	4.1	4.1
R4/13	BEDROOM	102.7	100.3	96.3	4.0	4.0

9 WOODMAN MEWS

R3/10	ASSUMED_KD	207.2	198.4	147.9	50.5	25.5
R3/11	ASSUMED_DINING	209.3	204.3	182.6	21.6	10.6
R3/12	ASSUMED_BEDROOM	209.3	205.8	193.8	12.0	5.8
R5/13	ASSUMED_BEDROOM	102.7	100.1	94.1	6.0	6.0
R6/13	ASSUMED_BEDROOM	102.7	100.8	93.6	7.2	7.1

1-43 SAFFRON HOUSE

R1/20	ASSUMED	155.3	154.4	59.8	94.5	61.2
R2/20	ASSUMED	141.0	140.7	71.7	68.9	49.0
R3/20	ASSUMED	173.2	170.5	98.4	72.1	42.3
R4/20	ASSUMED	140.2	139.9	101.9	38.1	27.2
R5/20	ASSUMED	153.1	151.7	127.8	24.0	15.8
R6/20	ASSUMED	151.2	149.0	140.2	8.8	5.9
R7/20	ASSUMED	151.3	150.0	149.8	0.2	0.1
R8/20	ASSUMED	152.4	151.0	151.0	0.0	0.0
R9/20	ASSUMED	140.6	140.4	140.4	0.0	0.0
R10/20	ASSUMED	170.3	161.0	161.0	0.0	0.0
R11/20	ASSUMED	140.6	134.2	134.2	0.0	0.0
R12/20	ASSUMED	159.8	155.0	155.0	0.0	0.0
R1/21	ASSUMED	155.3	154.4	76.5	77.9	50.5
R2/21	ASSUMED	141.0	140.6	85.2	55.4	39.4
R3/21	ASSUMED	173.2	170.5	111.6	58.9	34.5
R4/21	ASSUMED	140.2	140.0	106.9	33.1	23.6
R5/21	ASSUMED	153.1	151.9	133.5	18.4	12.1
R6/21	ASSUMED	151.2	149.2	145.0	4.2	2.8
R7/21	ASSUMED	151.3	150.0	150.0	0.0	0.0
R8/21	ASSUMED	152.4	151.1	151.1	0.0	0.0
R9/21	ASSUMED	140.6	140.4	140.4	0.0	0.0
R10/21	ASSUMED	170.3	167.7	167.7	0.0	0.0
R11/21	ASSUMED	140.6	140.4	140.4	0.0	0.0
R12/21	ASSUMED	159.8	158.8	158.8	0.0	0.0

Room/ Floor	Room Use	Whole Room	Prev sq ft	New sq ft	Loss sq ft	%Loss
R1/22	ASSUMED	155.3	154.4	95.7	58.7	38.0
R2/22	ASSUMED	141.0	140.6	100.1	40.5	28.8
R3/22	ASSUMED	173.2	170.5	143.9	26.6	15.6
R4/22	ASSUMED	140.2	140.0	124.9	15.0	10.7
R5/22	ASSUMED	153.1	151.9	149.9	1.9	1.3
R6/22	ASSUMED	151.2	149.2	149.1	0.0	0.0
R7/22	ASSUMED	151.3	150.0	150.0	0.0	0.0
R8/22	ASSUMED	152.4	151.1	151.1	0.0	0.0
R9/22	ASSUMED	140.6	140.4	140.4	0.0	0.0
R10/22	ASSUMED	170.3	167.7	167.7	0.0	0.0
R11/22	ASSUMED	140.6	140.4	140.4	0.0	0.0
R12/22	ASSUMED	159.8	158.8	158.8	0.0	0.0
R1/23	ASSUMED	144.8	144.1	144.1	0.0	0.0
R2/23	ASSUMED	160.5	160.5	160.2	0.3	0.2
R3/23	ASSUMED	141.0	141.0	141.0	0.0	0.0
R4/23	ASSUMED	140.2	140.2	136.4	3.8	2.7
R5/23	ASSUMED	148.7	148.5	148.5	0.0	0.0
R6/23	ASSUMED	166.2	166.0	166.0	0.0	0.0
R8/23	ASSUMED	166.3	166.2	166.2	0.0	0.0
R9/23	ASSUMED	142.8	142.7	142.7	0.0	0.0
R10/23	ASSUMED	140.6	140.2	140.2	0.0	0.0
R11/23	ASSUMED	160.8	160.4	160.4	0.0	0.0
R12/23	ASSUMED	170.7	170.6	170.6	0.0	0.0
R13/23	ASSUMED	142.4	141.8	141.8	0.0	0.0

78 MELLISS AVENUE

R1/40	ASSUMED	149.2	148.1	144.7	3.4	2.3
R1/41	ASSUMED_PCD	195.3	192.0	191.9	0.1	0.1
R1/42	ASSUMED	195.3	192.0	192.0	0.0	0.0

76 MELLISS AVENUE

R1/50	ASSUMED	193.8	191.1	166.0	25.1	13.1
R1/51	ASSUMED_PCD	181.5	179.5	171.9	7.5	4.2
R1/52	ASSUMED	181.5	179.5	175.3	4.2	2.3

74 MELLISS AVENUE

R1/60	ASSUMED	193.8	191.4	153.7	37.7	19.7
R1/61	ASSUMED_PCD	181.7	179.7	159.6	20.2	11.2
R1/62	ASSUMED	181.7	179.7	164.1	15.6	8.7

72 MELLISS AVENUE

R1/70	ASSUMED	193.7	191.7	134.2	57.5	30.0
R1/71	ASSUMED_PCD	181.2	179.2	152.7	26.5	14.8
R1/72	ASSUMED	181.2	179.2	161.2	18.0	10.0

Room/ Floor	Room Use	Whole Room	Prev sq ft	New sq ft	Loss sq ft	%Loss
----------------	----------	---------------	---------------	--------------	---------------	-------

70 MELLISS AVENUE

R1/80	ASSUMED	193.5	191.2	113.7	77.5	40.5
R1/81	ASSUMED_PCD	179.8	177.8	129.5	48.3	27.2
R1/82	ASSUMED	179.8	177.8	141.0	36.8	20.7

68 MELLISS AVENUE

R1/90	ASSUMED	149.2	148.6	61.5	87.1	58.6
R1/91	ASSUMED_PCD	176.0	174.2	116.8	57.4	33.0
R1/92	ASSUMED	176.0	174.1	131.8	42.4	24.4

66 MELLISS AVENUE

R1/100	ASSUMED	147.7	147.1	52.5	94.5	64.2
R1/101	ASSUMED_PCD	176.5	174.2	117.3	56.9	32.7
R1/102	ASSUMED_PCD	176.5	174.2	133.6	40.6	23.3

64 MELLISS AVENUE

R1/110	ASSUMED	193.4	191.4	82.7	108.7	56.8
R1/111	ASSUMED_PCD	180.8	178.7	101.6	77.1	43.1
R1/112	ASSUMED_PCD	180.8	178.7	119.6	59.2	33.1

62 MELLISS AVENUE

R1/120	ASSUMED	193.4	191.7	82.4	109.3	57.0
R1/121	ASSUMED_PCD	180.8	178.7	101.4	77.4	43.3
R1/122	ASSUMED_PCD	180.8	178.7	118.9	59.8	33.5

60 MELLISS AVENUE

R1/130	ASSUMED	193.4	191.4	82.2	109.2	57.1
R1/131	ASSUMED_PCD	180.8	178.7	101.4	77.4	43.3
R1/132	ASSUMED_PCD	180.8	178.7	119.0	59.7	33.4

58 MELLISS AVENUE

R1/140	ASSUMED	193.4	191.2	81.1	110.1	57.6
R1/141	ASSUMED_PCD	180.8	178.7	101.7	77.0	43.1
R1/142	ASSUMED_PCD	180.8	178.7	120.0	58.7	32.8

56 MELLISS AVENUE

Room/ Floor	Room Use	Whole Room	Prev sq ft	New sq ft	Loss sq ft	%Loss
R1/150	ASSUMED	148.3	147.7	53.4	94.3	63.8
R1/151	ASSUMED_PCD	176.4	174.5	103.7	70.9	40.6
R1/152	ASSUMED_PCD	176.4	174.5	119.5	55.1	31.6
54 MELLISS AVENUE						
R1/160	ASSUMED	149.1	147.1	61.6	85.5	58.1
R1/161	ASSUMED	199.3	196.7	142.7	54.0	27.5
R1/162	ASSUMED	199.3	196.7	157.3	39.4	20.0
52 MELLISS AVENUE						
R1/170	ASSUMED	189.2	187.3	121.0	66.3	35.4
R1/171	ASSUMED	178.0	176.2	131.0	45.2	25.7
R1/172	ASSUMED	178.0	176.2	140.7	35.5	20.1
50 MELLISS AVENUE						
R1/180	ASSUMED	189.4	187.4	138.1	49.3	26.3
R1/181	ASSUMED	178.0	176.2	154.6	21.7	12.3
R1/182	ASSUMED	178.0	176.2	161.3	14.9	8.5
48 MELLISS AVENUE						
R1/190	ASSUMED	189.4	187.4	155.1	32.3	17.2
R1/191	ASSUMED	178.0	176.2	160.6	15.6	8.9
R1/192	ASSUMED_PCD	163.6	161.8	155.6	6.2	3.8
46 MELLISS AVENUE						
R1/200	ASSUMED	189.2	187.5	165.6	21.9	11.7
R1/201	ASSUMED	178.0	176.1	170.9	5.2	3.0
R1/202	ASSUMED	178.0	176.4	173.7	2.8	1.6
44 MELLISS AVENUE						
R1/210	ASSUMED_PCD	210.9	205.7	203.9	1.9	0.9
R1/211	ASSUMED_PCD	178.0	176.1	176.1	0.0	0.0
R1/212	ASSUMED_PCD	163.6	161.7	161.7	0.0	0.0
8-14 OAK HOUSE						
R1/220	ASSUMED	173.0	171.7	171.5	0.2	0.1
R2/220	ASSUMED	112.8	110.9	110.9	0.0	0.0

Room/ Floor	Room Use	Whole Room	Prev sq ft	New sq ft	Loss sq ft	%Loss
R1/221	ASSUMED_PCD	125.1	123.7	123.7	0.0	0.0
R2/221	ASSUMED	112.8	110.9	110.9	0.0	0.0
R1/222	ASSUMED_PCD	125.1	123.9	123.9	0.0	0.0
R2/222	ASSUMED	112.8	110.9	110.9	0.0	0.0
R1/223	ASSUMED	290.4	228.4	223.8	4.7	2.1
R1/230	ASSUMED	112.4	110.4	110.4	0.0	0.0
R2/230	ASSUMED	178.5	176.5	176.5	0.0	0.0
R1/231	ASSUMED	112.4	110.5	110.5	0.0	0.0
R2/231	ASSUMED	178.5	176.9	176.9	0.0	0.0
R1/232	ASSUMED_PCD	99.5	97.5	97.5	0.0	0.0
R2/232	ASSUMED	178.5	176.9	176.9	0.0	0.0
R1/233		295.5	187.0	184.6	2.4	1.3

1-7 OAK HOUSE

R1/240	ASSUMED	177.4	165.5	165.5	0.0	0.0
R2/240	ASSUMED	112.5	97.8	97.8	0.0	0.0
R1/241	ASSUMED	177.4	172.1	172.1	0.0	0.0
R2/241	ASSUMED	112.5	103.4	103.4	0.0	0.0
R1/242	ASSUMED_PCD	126.1	124.6	124.6	0.0	0.0
R2/242	ASSUMED	100.2	98.3	98.3	0.0	0.0
R1/243		295.5	213.5	165.5	47.9	22.4
R1/250	ASSUMED	111.6	88.3	88.3	0.0	0.0
R2/250	ASSUMED	174.0	139.2	139.2	0.0	0.0
R1/251	ASSUMED_PCD	93.2	81.1	81.1	0.0	0.0
R2/251	ASSUMED	174.0	146.8	146.8	0.0	0.0
R1/252	ASSUMED	95.9	93.2	93.2	0.0	0.0
R2/252	ASSUMED	174.0	156.6	156.6	0.0	0.0
R1/253		290.2	244.7	243.9	0.9	0.4

TERRANO HOUSE

R1/260	ASSUMED_LKD_PCD	495.9	495.9	495.1	0.8	0.2
R2/260	BEDROOM	123.6	123.2	107.6	15.6	12.7
R3/260	LKD	249.6	247.4	149.2	98.1	39.7
R4/260	LKD	473.5	473.5	472.5	1.0	0.2
R5/260	BEDROOM	100.0	99.0	99.0	0.0	0.0
R6/260	BEDROOM	136.3	135.1	135.1	0.0	0.0
R1/261	ASSUMED_LKD_PCD	495.9	495.9	495.1	0.8	0.2
R2/261	BEDROOM	123.6	123.2	116.6	6.5	5.3
R3/261	LKD	249.6	247.4	173.6	73.8	29.8
R4/261	LKD	557.8	557.8	555.4	2.4	0.4
R5/261	BEDROOM	125.6	124.8	124.8	0.0	0.0
R6/261	BEDROOM	157.6	154.8	154.8	0.0	0.0
R1/262	ASSUMED_LKD_PCD	495.9	495.9	495.1	0.8	0.2
R2/262	BEDROOM	123.6	123.2	123.1	0.1	0.1
R3/262	LKD	249.6	247.4	217.4	30.1	12.2
R4/262	LKD	557.8	557.8	556.8	1.0	0.2

Room/ Floor	Room Use	Whole Room	Prev sq ft	New sq ft	Loss sq ft	%Loss
R5/262	BEDROOM	125.6	124.8	124.8	0.0	0.0
R6/262	BEDROOM	157.6	154.8	154.8	0.0	0.0
R1/263	ASSUMED_LKD_PCD	495.9	495.9	495.7	0.2	0.0
R2/263	BEDROOM	123.6	123.2	123.2	0.0	0.0
R3/263	LKD	249.6	247.4	224.7	22.7	9.2
R4/263	LKD	557.8	557.8	557.8	0.0	0.0
R5/263	BEDROOM	125.6	124.8	124.8	0.0	0.0
R6/263	BEDROOM	157.6	154.8	154.8	0.0	0.0
R1/264	BEDROOM	221.5	220.4	220.4	0.0	0.0
R2/264	LKD	671.8	671.8	671.8	0.0	0.0
R3/264	ASSUMED_PCD	352.7	350.8	350.8	0.0	0.0



			Window						Room					
			Existing		Proposed				Existing		Proposed			
Room	Window	Room Use	Winter APSH	Annual APSH	Winter APSH	Annual APSH	Winter %Loss	Annual %Loss	Winter APSH	Annual APSH	Winter APSH	Annual APSH	Winter %Loss	Annual %Loss
1-43 SAFFRON HOUSE														
R4/23	W4/23	ASSUMED	0	12	0	12	-	0.0						
R4/23	W5/23	ASSUMED	0	16	0	16	-	0.0	0	17	0	17	-	0.0
8-14 OAK HOUSE														
R1/223	W1/223	ASSUMED	9	39	7	35	22.2	10.3						
R1/223	W2/223	ASSUMED	4	53	3	50	25.0	5.7	10	60	8	57	20.0	5.0
TERRANO HOUSE														
R1/260	W1/260	ASSUMED_LKD_PCD	6	21	6	21	0.0	0.0						
R1/260	W2/260	ASSUMED_LKD_PCD	1	21	1	21	0.0	0.0						
R1/260	W3/260	ASSUMED_LKD_PCD	18	55	16	53	11.1	3.6						
R1/260	W4/260	ASSUMED_LKD_PCD	21	66	16	61	23.8	7.6						
R1/260	W5/260	ASSUMED_LKD_PCD	23	73	15	65	34.8	11.0						
R1/260	W6/260	ASSUMED_LKD_PCD	23	80	14	70	39.1	12.5						
R1/260	W7/260	ASSUMED_LKD_PCD	23	80	14	70	39.1	12.5						
R1/260	W8/260	ASSUMED_LKD_PCD	18	57	7	45	61.1	21.1						
R1/260	W9/260	ASSUMED_LKD_PCD	22	65	13	55	40.9	15.4						
R1/260	W10/260	ASSUMED_LKD_PCD	23	71	14	62	39.1	12.7	24	89	17	82	29.2	7.9
R2/260	W11/260	BEDROOM	25	74	14	63	44.0	14.9						
R2/260	W12/260	BEDROOM	8	24	1	17	87.5	29.2						
R2/260	W13/260	BEDROOM	14	27	3	16	78.6	40.7	25	74	14	63	44.0	14.9
R3/260	W14/260	LKD	18	22	9	13	50.0	40.9						

Room	Window	Room Use	Window						Room					
			Existing		Proposed		Winter %Loss	Annual %Loss	Existing		Proposed		Winter %Loss	Annual %Loss
			Winter APSH	Annual APSH	Winter APSH	Annual APSH			Winter APSH	Annual APSH	Winter APSH	Annual APSH		
R3/260	W15/260	LKD	17	21	13	17	23.5	19.0						
R3/260	W16/260	LKD	25	67	13	55	48.0	17.9	25	67	14	56	44.0	16.4
R4/260	W17/260	LKD	24	67	13	56	45.8	16.4						
R4/260	W18/260	LKD	23	61	11	49	52.2	19.7						
R4/260	W19/260	LKD	24	78	12	66	50.0	15.4						
R4/260	W20/260	LKD	22	69	10	57	54.5	17.4						
R4/260	W21/260	LKD	19	62	7	50	63.2	19.4						
R4/260	W22/260	LKD	13	50	3	40	76.9	20.0						
R4/260	W23/260	LKD	9	42	3	36	66.7	14.3						
R4/260	W24/260	LKD	0	11	0	11	-	0.0						
R4/260	W25/260	LKD	1	16	2	17	-100.0	-6.3						
R4/260	W26/260	LKD	1	11	2	12	-100.0	-9.1	24	80	14	70	41.7	12.5
R1/261	W1/261	ASSUMED_LKD_PCD	8	25	8	25	0.0	0.0						
R1/261	W2/261	ASSUMED_LKD_PCD	3	25	3	25	0.0	0.0						
R1/261	W3/261	ASSUMED_LKD_PCD	20	59	18	57	10.0	3.4						
R1/261	W4/261	ASSUMED_LKD_PCD	23	69	18	64	21.7	7.2						
R1/261	W5/261	ASSUMED_LKD_PCD	26	78	18	70	30.8	10.3						
R1/261	W6/261	ASSUMED_LKD_PCD	26	84	18	75	30.8	10.7						
R1/261	W7/261	ASSUMED_LKD_PCD	26	84	18	75	30.8	10.7						
R1/261	W8/261	ASSUMED_LKD_PCD	19	58	10	49	47.4	15.5						
R1/261	W9/261	ASSUMED_LKD_PCD	23	66	14	57	39.1	13.6						
R1/261	W10/261	ASSUMED_LKD_PCD	25	73	15	63	40.0	13.7	26	93	18	85	30.8	8.6
R2/261	W11/261	BEDROOM	26	75	16	65	38.5	13.3						
R2/261	W12/261	BEDROOM	9	24	3	18	66.7	25.0						
R2/261	W13/261	BEDROOM	15	25	6	16	60.0	36.0	26	75	17	66	34.6	12.0

Room	Window	Room Use	Window						Room					
			Existing		Proposed		Winter %Loss	Annual %Loss	Existing		Proposed		Winter %Loss	Annual %Loss
			Winter APSH	Annual APSH	Winter APSH	Annual APSH			Winter APSH	Annual APSH	Winter APSH	Annual APSH		
R3/261	W14/261	LKD	19	23	13	17	31.6	26.1						
R3/261	W15/261	LKD	18	21	15	18	16.7	14.3						
R3/261	W16/261	LKD	27	68	16	57	40.7	16.2	27	68	17	58	37.0	14.7
R4/261	W17/261	LKD	27	69	16	58	40.7	15.9						
R4/261	W18/261	LKD	25	63	15	53	40.0	15.9						
R4/261	W19/261	LKD	27	81	16	70	40.7	13.6						
R4/261	W20/261	LKD	25	72	14	61	44.0	15.3						
R4/261	W21/261	LKD	21	64	10	53	52.4	17.2						
R4/261	W22/261	LKD	15	52	6	43	60.0	17.3						
R4/261	W23/261	LKD	11	44	4	37	63.6	15.9						
R4/261	W24/261	LKD	0	11	0	11	-	0.0						
R4/261	W25/261	LKD	3	18	2	17	33.3	5.6						
R4/261	W26/261	LKD	1	14	0	13	100.0	7.1	27	83	17	73	37.0	12.0
R1/262	W1/262	ASSUMED_LKD_PCD	10	29	10	29	0.0	0.0						
R1/262	W2/262	ASSUMED_LKD_PCD	5	29	5	29	0.0	0.0						
R1/262	W3/262	ASSUMED_LKD_PCD	22	63	21	62	4.5	1.6						
R1/262	W4/262	ASSUMED_LKD_PCD	25	73	22	70	12.0	4.1						
R1/262	W5/262	ASSUMED_LKD_PCD	28	81	22	75	21.4	7.4						
R1/262	W6/262	ASSUMED_LKD_PCD	28	87	22	81	21.4	6.9						
R1/262	W7/262	ASSUMED_LKD_PCD	28	86	22	80	21.4	7.0						
R1/262	W8/262	ASSUMED_LKD_PCD	19	58	13	52	31.6	10.3						
R1/262	W9/262	ASSUMED_LKD_PCD	23	66	16	59	30.4	10.6						
R1/262	W10/262	ASSUMED_LKD_PCD	26	74	19	67	26.9	9.5	28	96	22	90	21.4	6.3
R2/262	W11/262	BEDROOM	27	77	19	69	29.6	10.4						

Room	Window	Room Use	Window						Room					
			Existing		Proposed		Winter %Loss	Annual %Loss	Existing		Proposed		Winter %Loss	Annual %Loss
			Winter APSH	Annual APSH	Winter APSH	Annual APSH			Winter APSH	Annual APSH	Winter APSH	Annual APSH		
R2/262	W12/262	BEDROOM	9	24	4	19	55.6	20.8						
R2/262	W13/262	BEDROOM	15	25	8	18	46.7	28.0	27	77	20	70	25.9	9.1
R3/262	W14/262	LKD	19	23	14	18	26.3	21.7						
R3/262	W15/262	LKD	18	21	16	19	11.1	9.5						
R3/262	W16/262	LKD	27	68	19	60	29.6	11.8	27	68	20	61	25.9	10.3
R4/262	W17/262	LKD	27	71	19	63	29.6	11.3						
R4/262	W18/262	LKD	25	65	17	57	32.0	12.3						
R4/262	W19/262	LKD	27	81	18	72	33.3	11.1						
R4/262	W20/262	LKD	25	72	16	63	36.0	12.5						
R4/262	W21/262	LKD	21	64	13	56	38.1	12.5						
R4/262	W22/262	LKD	15	52	8	45	46.7	13.5						
R4/262	W23/262	LKD	11	44	6	39	45.5	11.4						
R4/262	W24/262	LKD	0	11	0	11	-	0.0						
R4/262	W25/262	LKD	3	17	2	16	33.3	5.9						
R4/262	W26/262	LKD	1	14	0	13	100.0	7.1	27	85	20	78	25.9	8.2
R1/263	W1/263	ASSUMED_LKD_PCD	12	43	12	43	0.0	0.0						
R1/263	W2/263	ASSUMED_LKD_PCD	7	32	7	32	0.0	0.0						
R1/263	W3/263	ASSUMED_LKD_PCD	24	66	24	66	0.0	0.0						
R1/263	W4/263	ASSUMED_LKD_PCD	27	76	26	75	3.7	1.3						
R1/263	W5/263	ASSUMED_LKD_PCD	30	83	26	79	13.3	4.8						
R1/263	W6/263	ASSUMED_LKD_PCD	30	89	26	85	13.3	4.5						
R1/263	W7/263	ASSUMED_LKD_PCD	30	88	26	84	13.3	4.5						
R1/263	W8/263	ASSUMED_LKD_PCD	19	58	15	54	21.1	6.9						
R1/263	W9/263	ASSUMED_LKD_PCD	23	66	18	61	21.7	7.6						
R1/263	W10/263	ASSUMED_LKD_PCD	26	76	21	71	19.2	6.6	30	99	27	96	10.0	3.0

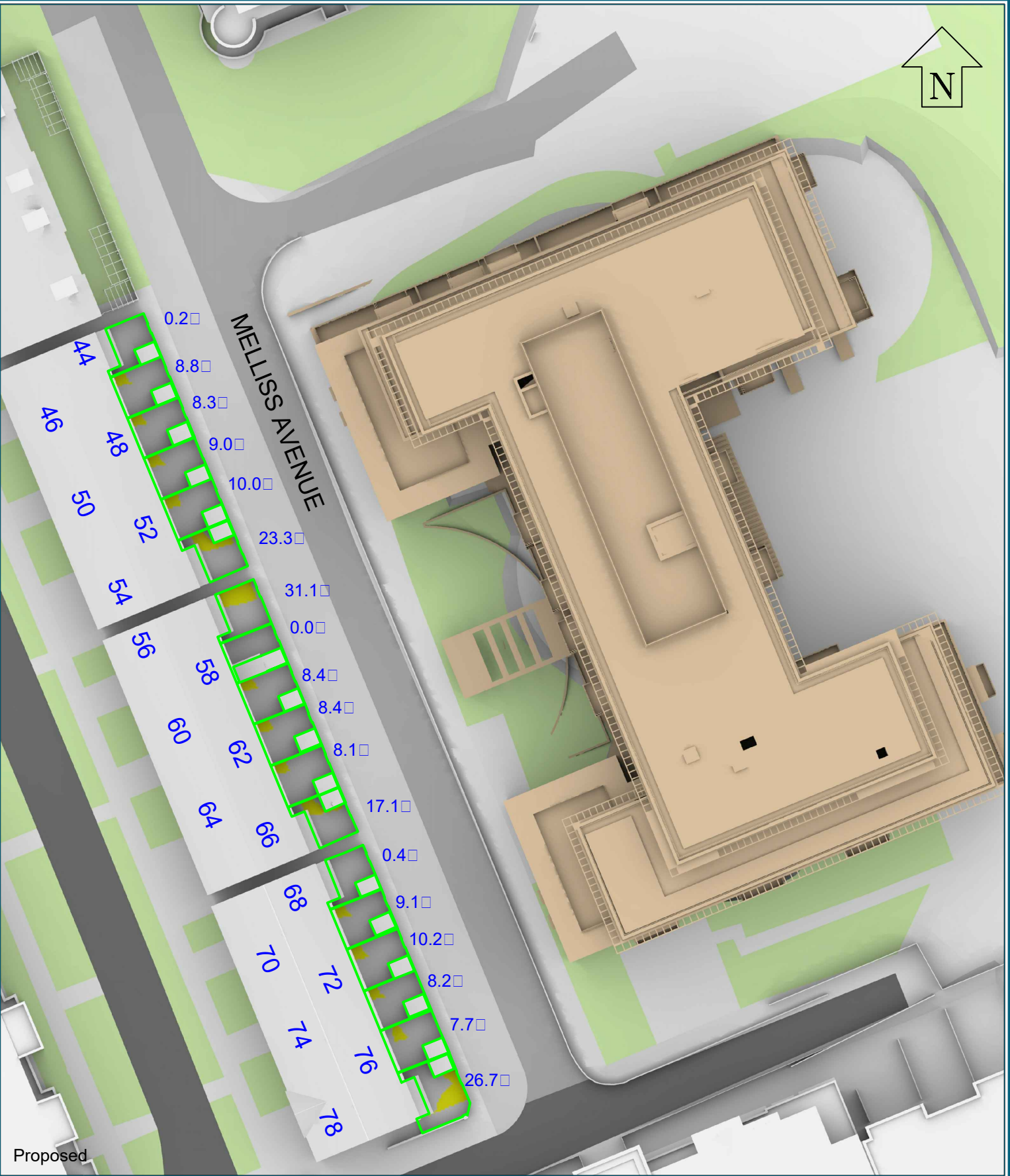
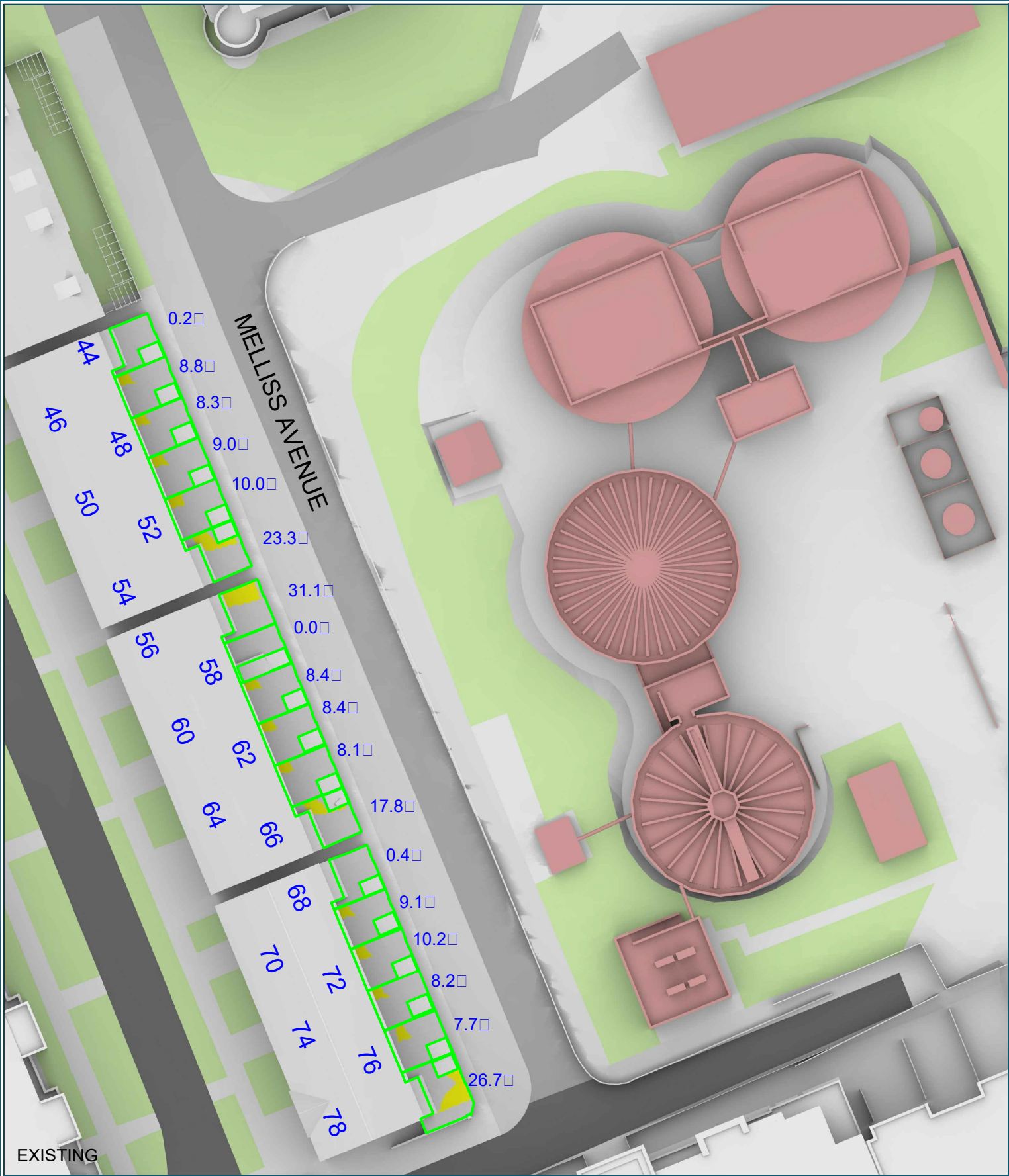
Room	Window	Room Use	Window						Room					
			Existing		Proposed		Winter %Loss	Annual %Loss	Existing		Proposed		Winter %Loss	Annual %Loss
			Winter APSH	Annual APSH	Winter APSH	Annual APSH			Winter APSH	Annual APSH	Winter APSH	Annual APSH		
R2/263	W11/263	BEDROOM	28	83	23	78	17.9	6.0						
R2/263	W12/263	BEDROOM	9	35	5	31	44.4	11.4						
R2/263	W13/263	BEDROOM	15	30	9	24	40.0	20.0	28	83	23	78	17.9	6.0
R3/263	W14/263	LKD	20	27	16	23	20.0	14.8						
R3/263	W15/263	LKD	19	30	17	28	10.5	6.7						
R3/263	W16/263	LKD	28	80	22	74	21.4	7.5	28	80	22	74	21.4	7.5
R4/263	W17/263	LKD	28	72	23	67	17.9	6.9						
R4/263	W18/263	LKD	27	67	22	62	18.5	7.5						
R4/263	W19/263	LKD	28	82	22	76	21.4	7.3						
R4/263	W20/263	LKD	25	72	19	66	24.0	8.3						
R4/263	W21/263	LKD	21	64	15	58	28.6	9.4						
R4/263	W22/263	LKD	15	52	10	47	33.3	9.6						
R4/263	W23/263	LKD	11	44	7	40	36.4	9.1						
R4/263	W24/263	LKD	0	11	0	11	-	0.0						
R4/263	W25/263	LKD	3	23	2	22	33.3	4.3						
R4/263	W26/263	LKD	5	32	4	31	20.0	3.1	29	87	24	82	17.2	5.7
R1/264	W1/264	BEDROOM	20	52	20	52	0.0	0.0						
R1/264	W2/264	BEDROOM	28	67	26	65	7.1	3.0	30	92	28	90	6.7	2.2
R2/264	W3/264	LKD	28	81	26	79	7.1	2.5						
R2/264	W4/264	LKD	22	52	21	51	4.5	1.9						
R2/264	W5/264	LKD	21	41	21	41	0.0	0.0						
R2/264	W6/264	LKD	22	43	22	43	0.0	0.0						
R2/264	W7/264	LKD	15	39	15	39	0.0	0.0						

Room	Window	Room Use	Window						Room					
			Existing			Proposed			Existing			Proposed		
			Winter APSH	Annual APSH	Winter APSH	Annual APSH	Winter %Loss	Annual %Loss	Winter APSH	Annual APSH	Winter APSH	Annual APSH	Winter %Loss	Annual %Loss
R2/264	W8/264	LKD	22	57	22	57	0.0	0.0						
R2/264	W9/264	LKD	28	74	27	73	3.6	1.4						
R2/264	W10/264	LKD	30	84	29	83	3.3	1.2						
R2/264	W11/264	LKD	30	88	29	87	3.3	1.1						
R2/264	W12/264	LKD	28	82	27	81	3.6	1.2						
R2/264	W13/264	LKD	25	72	24	71	4.0	1.4						
R2/264	W14/264	LKD	21	63	20	62	4.8	1.6						
R2/264	W15/264	LKD	15	52	14	51	6.7	1.9						
R2/264	W16/264	LKD	11	43	10	42	9.1	2.3						
R2/264	W17/264	LKD	6	33	5	32	16.7	3.0						
R2/264	W18/264	LKD	2	22	2	22	0.0	0.0						
R2/264	W19/264	LKD	0	11	0	11	-	0.0						
R2/264	W20/264	LKD	0	3	0	3	-	0.0						
R2/264	W21/264	LKD	0	0	0	0	-	-						
R2/264	W22/264	LKD	0	5	0	5	-	0.0						
R2/264	W23/264	LKD	0	5	0	5	-	0.0						
R2/264	W24/264	LKD	2	24	2	24	0.0	0.0						
R2/264	W25/264	LKD	13	16	13	16	0.0	0.0						
R2/264	W26/264	LKD	15	34	15	34	0.0	0.0						
R2/264	W27/264	LKD	22	53	22	53	0.0	0.0						
R2/264	W28/264	LKD	28	66	27	65	3.6	1.5						
R2/264	W29/264	LKD	30	77	29	76	3.3	1.3						
R2/264	W30/264	LKD	30	81	29	80	3.3	1.2						
R2/264	W31/264	LKD	28	71	27	70	3.6	1.4						
R2/264	W32/264	LKD	25	60	24	59	4.0	1.7						
R2/264	W33/264	LKD	21	51	20	50	4.8	2.0						
R2/264	W34/264	LKD	14	41	13	40	7.1	2.4						
R2/264	W35/264	LKD	11	35	11	35	0.0	0.0						

Room	Window	Room Use	Window						Room					
			Existing		Proposed		Winter %Loss	Annual %Loss	Existing		Proposed		Winter %Loss	Annual %Loss
			Winter APSH	Annual APSH	Winter APSH	Annual APSH			Winter APSH	Annual APSH	Winter APSH	Annual APSH		
R2/264	W36/264	LKD	6	24	6	24	0.0	0.0						
R2/264	W37/264	LKD	2	14	2	14	0.0	0.0						
R2/264	W38/264	LKD	0	8	0	8	-	0.0						
R2/264	W39/264	LKD	0	5	0	5	-	0.0						
R2/264	W40/264	LKD	0	0	0	0	-	-						
R2/264	W41/264	LKD	0	1	0	1	-	0.0	30	99	30	99	0.0	0.0

Appendix 9 – Sun on Ground Results (No Trees Included)

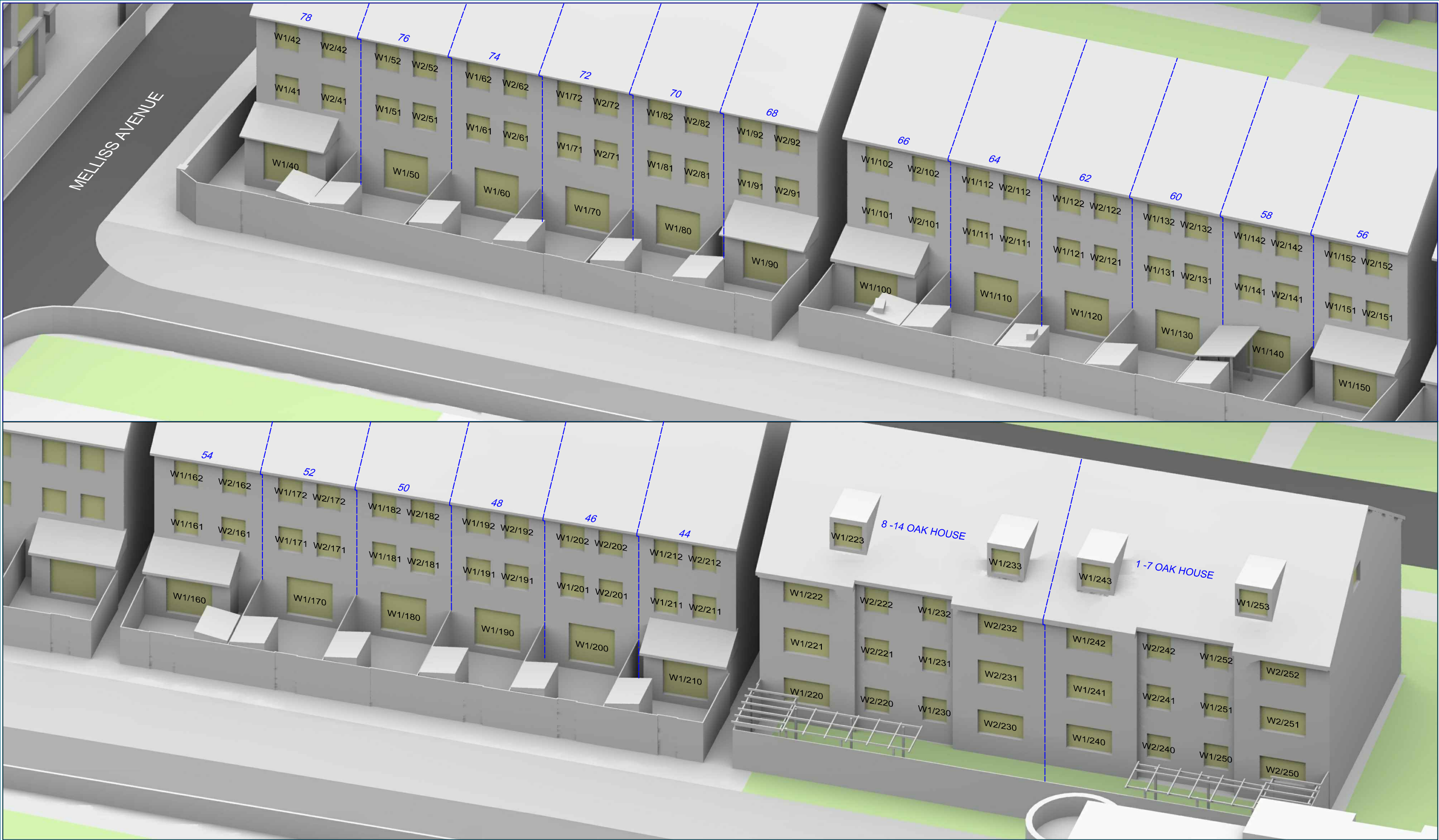




Sources: Point 2 Surveyors Point Cloud Data Site Photos Marchese Partners Proposed Info (received 01/08/18) File Name: 180731 KEW-revised model.rvt MJ Rees and Company Tree Survey (received 26/03/18) File Name: 8850.dwg		Key: Area analysed Area with more than 2 hours of direct sunlight Area with less than 2 hours of direct sunlight 50Percentage of area with more than 2 hours of direct sunlight		Project: Former Kew Biothane Plant		Title: Plan View Proposed Scheme 01/08/18 2hr BRE Sunlight Test March 21st		Point 2 Surveyors Ltd, 3rd Floor, 17 Slingsby Place, London WC2E 9AB 0207 836 5828 www.point2surveyors.com	
Scheme Confirmed: -		Date : -		Drawn By: JF		Scale: 1:500 @ A3		Date: AUG 18	
				Dwg No: P1572_SHA_04		Rel: 06		POINT surveyors	

Appendix 10 – Window Maps





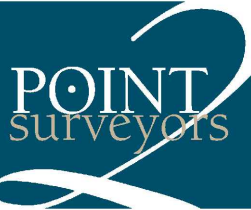
Sources: Point 2 Surveyors
Point Cloud Data
Site Photos
Marchese Partners
Proposed Info (received 01/08/18)
File Name: 180731 KEW_revised model.rvt
MJ Rees and Company
Tree Survey (received 26/03/18)
File Name: 8850.dwg

Key:

Project: Former Kew Biothane Plant

Title: Window Map
1 - 14 Oak House
44 - 54 Melliss Avenue
56 - 66 Melliss Avenue
68 - 78 Melliss Avenue

Point 2 Surveyors Ltd,
3rd Floor,
17 Slingsby Place,
London WC2E 9AB
0207 836 5828
www.point2surveyors.com



Scheme Confirmed: -

Date : -

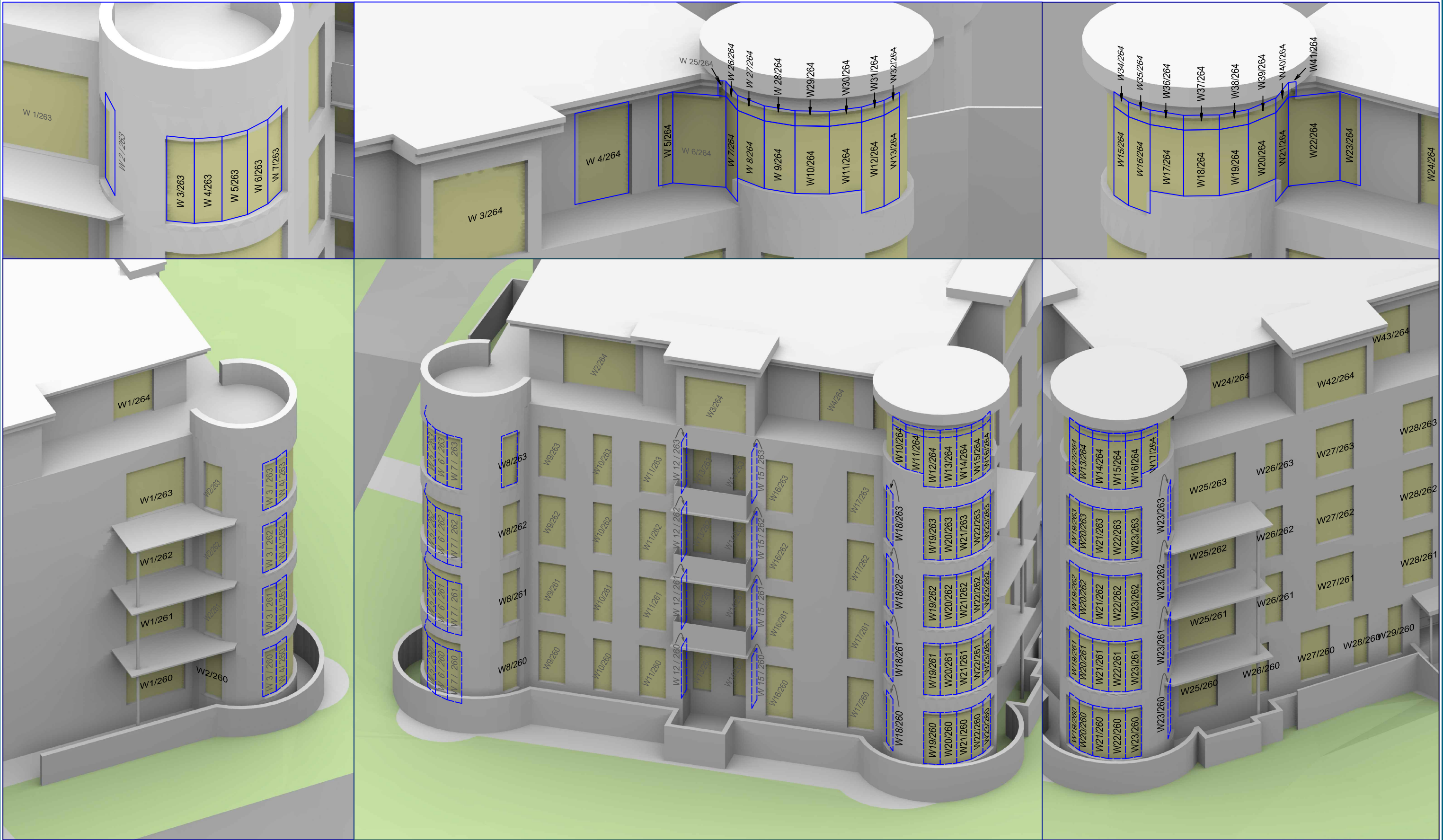
Drawn By: JF

Scale: NTS

Date: AUG 18

Dwg No: P1572_WM01

Rel: 06



Sources: Point 2 Surveyors
Point Cloud Data
Site Photos
Marchese Partners
Proposed Info (received 01/08/18)
File Name: 180731 KEW-revised model.rvt
MJ Rees and Company
Tree Survey (received 26/03/18)
File Name: 8850.dwg

Key:

Project: Former Kew Biothane Plant

Title: Window Map
Terrano House

Point 2 Surveyors Ltd,
3rd Floor,
17 Slingsby Place,
London WC2E 9AB
0207 836 5828
www.point2surveyors.com

Scheme Confirmed: -

Date : -

Drawn By: JF

Scale: NTS

Date: AUG 18

Dwg No: **P1572_WM03**

Rel: 06



invest  **change**