

Do not scale from this drawing
All dimensions to be checked on site

Notes:

- Proposed Building

Amendments:

Drawing type:

Daylight & Sunlight Analysis

Client:

Morley Pooled Pensions Ltd

Project:

31-37 Whitfield Street
London W1

Title:

3d View
Proposed Scheme

Scale: NTS

Date: 24.07.06

Drawn: JG / TDRL

Checked:

Dwg.no: 100366/Whitfield/06

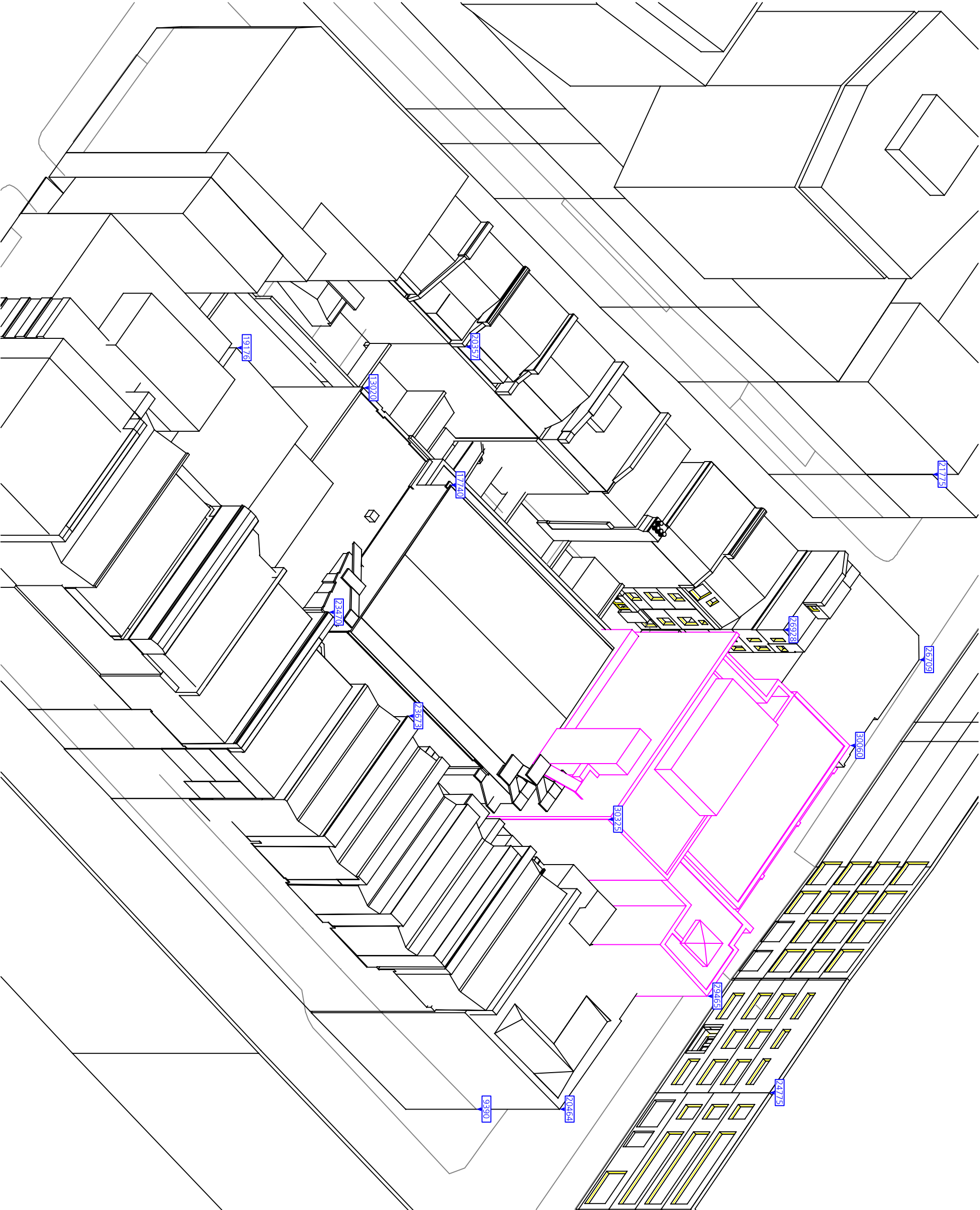
Rev:

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3D VIEW, PROPOSED SCHEME

NOT TO SCALE

23 August 2006

Our reference: AJC/JN/100366

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Appendix C

Daylight Assessment Tables: -

Vertical Sky Component and Average Daylight Factor Results table

Daylight Distribution Results table

		VERTICAL SKY COMPONENT (VSC)				AVERAGE DAYLIGHT FACTOR (ADF)					
Room	Window	EXISTING VSC (%)	PROPOSED VSC (%)	REDUCTION FACTOR	SATISFIES BRE?	EXISTING ADF (%)		PROPOSED ADF (%)		REDUCTION FACTOR	SATISFIES BRE
						Window	Room	Window	Room		
30-32 Whitfield Street (Tescos)											
First Floor											
R1/11	W2/11	21.01	20.46	0.97	YES	1.84	1.84	1.81	1.81	0.98	YES
R2/11	W1/11	24.36	24.11	0.99	YES	4.68	4.68	4.65	4.65	0.99	YES
Second Floor											
R1/12	W1/12	29.77	29.63	1.00	YES	5.41	5.41	5.39	5.39	1.00	YES
R2/12	W2/12	26.39	25.94	0.98	YES	2.15	2.15	2.13	2.13	0.99	YES
Third Floor											
R1/13	W1/13	34.28	34.20	1.00	YES	6.07	6.07	6.06	6.06	1.00	YES
R2/13	W2/13	31.21	31.00	0.99	YES	2.44	2.44	2.43	2.43	0.99	YES
30-32 Whitfield Street (Offices)											
Ground Floor											
R1/20	W2/20	14.08	13.47	0.96	YES	1.69	1.69	1.65	1.65	0.98	YES
R2/20	W1/20	12.63	11.66	0.92	YES	1.09		1.04			
R2/20	W3/20	0.00	0.00	-	YES	0.00	1.09	0.00	1.04	0.96	YES
First Floor											
R1/21	W1/21	19.22	18.32	0.95	YES	2.51	2.51	2.44	2.44	0.97	YES
R2/21	W2/21	17.74	16.49	0.93	YES	1.21		1.16			
R2/21	W3/21	17.29	15.75	0.91	YES	1.62	2.83	1.54	2.69	0.95	YES
Second Floor											
R1/22	W3/22	23.89	22.87	0.96	YES	2.89	2.89	2.81	2.81	0.97	YES
R2/22	W1/22	21.97	19.87	0.90	YES	1.84		1.73			
R2/22	W2/22	22.32	20.73	0.93	YES	1.40	3.24	1.33	3.06	0.94	YES
Third Floor											
R1/23	W2/23	25.09	23.69	0.94	YES	0.81		0.78			
R1/23	W3/23	24.91	22.90	0.92	YES	1.10	1.92	1.04	1.82	0.95	YES
R2/23	W1/23	26.56	25.77	0.97	YES	1.71	1.71	1.68	1.68	0.98	YES
40 Whitfield Street											
Ground Floor											
R1/30	W1/30	13.02	12.09	0.93	YES	1.25		1.20			
R1/30	W2/30	13.46	12.65	0.94	YES	1.28	2.53	1.24	2.43	0.96	YES
First Floor											
R1/31	W2/31	17.31	15.55	0.90	YES	1.13		1.06			
R1/31	W3/31	17.91	16.59	0.93	YES	1.16		1.11			
R1/31	W4/31	17.51	15.96	0.91	YES	1.14	3.43	1.08	3.25	0.95	YES
R2/31	W1/31	17.10	15.39	0.90	YES	3.31	3.31	3.11	3.11	0.94	YES
Second Floor											
R1/32	W1/32	23.24	20.55	0.88	YES	1.97		1.82			
R1/32	W2/32	22.94	20.29	0.88	YES	1.96	3.93	1.81	3.63	0.92	YES
R2/32	W3/32	23.76	21.79	0.92	YES	2.07		1.96			
R2/32	W4/32	23.42	21.07	0.90	YES	2.04	4.11	1.90	3.86	0.94	YES
Third Floor											
R1/33	W1/33	28.67	26.26	0.92	YES	2.29		2.15			
R1/33	W2/33	29.04	26.48	0.91	YES	2.30	4.59	2.15	4.30	0.94	YES
R2/33	W3/33	29.15	26.99	0.93	YES	2.38		2.25			
R2/33	W4/33	29.48	27.76	0.94	YES	2.42	4.79	2.31	4.55	0.95	YES
23 Scala Street											
Lower Ground											
R1/59	W1/59	1.87	2.07	1.11	YES	0.19		0.20			
R1/59	W2/59	1.62	1.88	1.16	YES	0.20		0.21			
R1/59	W3/59	1.14	1.38	1.21	YES	0.15	0.53	0.16	0.58	1.08	YES
Upper Ground											
R1/50	W1/50	0.85	0.88	1.04	YES	0.28	0.28	0.28	0.28	1.01	YES
Upper Ground											
R1/60	W1/60	5.68	6.04	1.06	YES	0.48	0.48	0.50	0.50	1.03	YES
Upper First											
R1/51	W1/51	3.71	3.81	1.03	YES	0.54	0.54	0.55	0.55	1.01	YES

Room	Window	VERTICAL SKY COMPONENT (VSC)				AVERAGE DAYLIGHT FACTOR (ADF)					
		EXISTING VSC (%)	PROPOSED VSC (%)	REDUCTION FACTOR	SATISFIES BRE?	EXISTING ADF (%)	PROPOSED ADF (%)	REDUCTION FACTOR	SATISFIES BRE	EXISTING ADF (%)	PROPOSED ADF (%)
Upper First R1/61	W1/61	9.24	9.65	1.04	YES	0.88	0.88	0.90	0.90	1.02	YES
Upper Second R1/52	W1/52	3.31	3.33	1.01	YES	0.15	0.15	0.15	0.15	1.01	YES
R1/52	W2/52	5.61	5.68	1.01	YES	0.89	1.04	0.90	1.04	1.01	YES
Upper Second R1/62	W1/62	11.86	11.96	1.01	YES	0.72	0.72	0.72	0.72	1.00	YES
Upper Third R1/53	W1/53	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
R2/53	W2/53	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A