

# 10.0 APPENDICES

Ref	1423	Project	Agar Grove
Printed Date	16/12/2013		

Document No	Document Name	Scale	Size
1423_DWG_PL_00_001	Site Location Plan	1250	A3
1423_DWG_PL_00_010	Existing Ground Floor Plan	500	A1
1423_DWG_PL_00_011	Existing First to Third Floor Plan	500	A1
1423_DWG_PL_00_012	Existing Fourth to Seventeenth Floor Plan	500	A1
1423_DWG_PL_00_013	Existing Eighteenth Floor	500	A1
1423_DWG_PL_00_014	Existing Roof Plan	500	A1
1423_DWG_PL_00_050	Existing Site Elevation AA & BB	500	A1
1423_DWG_PL_00_051	Existing Site Elevation CC & DD	500	A1
1423_DWG_PL_00_060	Existing Unit Plans Ashmore	50	A3
1423_DWG_PL_00_061	Existing Unit Plans Ashmore	50	A3
1423_DWG_PL_00_062	Existing Unit Plans Abbotsbury	50	A3
1423_DWG_PL_00_063	Existing Unit Plans Abbotsbury	50	A3
1423_DWG_PL_00_064	Existing Unit Plans Sherborne	50	A3
1423_DWG_PL_00_065	Existing Unit Plans Sherborne	50	A3
1423_DWG_PL_00_080	Existing Lulworth Basement & Ground Plan	100	A1
1423_DWG_PL_00_081	Existing Lulworth Typical Upper Plans	100	A1
1423_DWG_PL_00_082	Existing Lulworth Roof Plan	100	A1
1423_DWG_PL_00_085	Existing Lulworth North & West Elevation	100	A0
1423_DWG_PL_00_086	Existing Lulworth South & East Elevation	100	A0
1423_DWG_PL_00_100	Proposed Masterplan Site Plan Block	500	A1
1423_DWG_PL_00_101	Proposed Masterplan Site Plan Ground	500	A1
1423_DWG_PL_00_102	Proposed Masterplan Site Plan Typical Floor	500	A1
1423_DWG_PL_00_103	Proposed Masterplan Site Roof Plan	500	A1
1423_DWG_PL_00_130	Proposed Site Elevations AA & BB	500	A1
1423_DWG_PL_00_131	Proposed Site Elevations CC & DD	500	A1
1423_DWG_PL_00_132	Proposed Site Elevations EE, FF & GG	500	A1
1423_DWG_PL_00_133	Proposed Site Elevations HH & II	500	A1
1423_DWG_PL_00_134	Proposed Site Elevations JJ, KK & LL	500	A1
1423_DWG_PL_00_135	Proposed Site Elevations MM	1000	A1

Ref	1423	Project	Agar Grove
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Document No	Document Name	Scale	Size
1423_DWG_PL_A_00_200	Plot A Ground Floor Plan	100	A1
1423_DWG_PL_A_00_201	Plot A First Floor Plan	100	A1
1423_DWG_PL_A_00_202	Plot A Second Floor Plan	100	A1
1423_DWG_PL_A_00_203	Plot A Third Floor Plan	100	A1
1423_DWG_PL_A_00_204	Plot A Fourth Floor Plan	100	A1
1423_DWG_PL_A_00_205	Plot A Fifth Floor Plan	100	A1
1423_DWG_PL_A_00_206	Plot A Sixth Floor Plan	100	A1
1423_DWG_PL_A_00_207	Plot A Roof Plan	100	A1
1423_DWG_PL_A_00_250	Plot A Elevation North	100	A1
1423_DWG_PL_A_00_251	Plot A Elevation South	100	A1
1423_DWG_PL_A_00_252	Plot A Side Elevation E1 & W1	100	A1
1423_DWG_PL_A_00_253	Plot A Side Elevation E2 & W2	100	A1
1423_DWG_PL_A_00_280	Plot A Typical Details 01	50	A1
1423_DWG_PL_A_00_281	Plot A Typical Details 02	varies	A1
1423_DWG_PL_A_00_282	Plot A Typical Details 03	varies	A1
1423_DWG_PL_B_00_200	Plot B Ground Floor	100	A1
1423_DWG_PL_B_00_201	Plot B First Floor	100	A1
1423_DWG_PL_B_00_202	Plot B Second Floor	100	A1
1423_DWG_PL_B_00_203	Plot B Third Floor	100	A1
1423_DWG_PL_B_00_204	Plot B Fourth Floor	100	A1
1423_DWG_PL_B_00_205	Plot B Fifth Floor	100	A1
1423_DWG_PL_B_00_206	Plot B Sixth Floor	100	A1
1423_DWG_PL_B_00_207	Plot B Seventh Floor	100	A1
1423_DWG_PL_B_00_208	Plot B Eighth Floor	100	A1
1423_DWG_PL_B_00_209	Plot B Ninth Floor	100	A1
1423_DWG_PL_B_00_210	Plot B Tenth Floor	100	A1
1423_DWG_PL_B_00_211	Plot B Eleventh Floor	100	A1
1423_DWG_PL_B_00_212	Plot B Twelfth Floor	100	A1
1423_DWG_PL_B_00_213	Plot B Thirteenth Floor	100	A1

# Hawkins\ Brown Document Register

Ref	1423	Project	Agar Grove
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Document No	Document Name	Scale	Size
1423_DWG_PL_B_00_214	Plot B Fourteenth Floor	100	A1
1423_DWG_PL_B_00_215	Plot B Fifteenth Floor	100	A1
1423_DWG_PL_B_00_216	Plot B Sixteenth Floor	100	A1
1423_DWG_PL_B_00_217	Plot B Seventeenth Floor	100	A1
1423_DWG_PL_B_00_218	Plot B Roof Plan	100	A1
1423_DWG_PL_B_00_250	Plot B Elevation North	100	A0
1423_DWG_PL_B_00_251	Plot B Elevation South	100	A0
1423_DWG_PL_B_00_252	Plot B2 Elevation East & West	100	A0
1423_DWG_PL_B_00_253	Plot B1 Elevation East & West	100	A0
1423_DWG_PL_B_00_280	Plot B Typical Details 01	50	A1
1423_DWG_PL_B_00_281	Plot B Typical Details 02	50	A1
1423_DWG_PL_CDE_00_200	Plot CDE Ground Floor Plan	100	A1
1423_DWG_PL_CDE_00_201	Plot CDE First Floor Plan	100	A1
1423_DWG_PL_CDE_00_202	Plot CDE Second Floor Plan	100	A1
1423_DWG_PL_CDE_00_203	Plot CDE Third Floor Plan	100	A1
1423_DWG_PL_CDE_00_204	Plot CDE Fourth Floor Plan	100	A1
1423_DWG_PL_CDE_00_205	Plot CDE Fifth Floor Plan	100	A1
1423_DWG_PL_CDE_00_206	Plot CDE Roof Plan	100	A1
1423_DWG_PL_CDE_00_250	Plot CDE Elevation North	100	A1
1423_DWG_PL_CDE_00_251	Plot CD Elevation East	100	A1
1423_DWG_PL_CDE_00_252	Plot E Elevation East	100	A1
1423_DWG_PL_CDE_00_253	Plot CDE Elevations South	100	A1
1423_DWG_PL_CDE_00_254	Plot E Elevation West	100	A1
1423_DWG_PL_CDE_00_255	Plot CD Elevation West	100	A1
1423_DWG_PL_CDE_00_280	Plot CDE Typical Details 01	varies	A1
1423_DWG_PL_CDE_00_281	Plot CDEFGHI Typical Details 01	varies	A1
1423_DWG_PL_CDE_00_282	Plot CDEFGHI Typical Details 02	varies	A1
1423_DWG_PL_F_00_200	Plot F Ground Floor Plan	100	A1
1423_DWG_PL_F_00_201	Plot F First Floor Plan	100	A1

Ref	1423	Project	Agar Grove
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Document No	Document Name	Scale	Size
1423_DWG_PL_F_00_202	Plot F Second Floor Plan	100	A1
1423_DWG_PL_F_00_203	Plot F Third Floor Plan	100	A1
1423_DWG_PL_F_00_204	Plot F Roof Plan	100	A1
1423_DWG_PL_F_00_250	Plot F Elevation North	100	A1
1423_DWG_PL_F_00_251	Plot F Elevations East & West	100	A1
1423_DWG_PL_F_00_252	Plot F Elevation South	100	A1
1423_DWG_PL_F_00_280	Plot F Typical Details 01	varies	A1
1423_DWG_PL_G_00_200	Plot G Ground Floor Plan	100	A1
1423_DWG_PL_G_00_201	Plot G First Floor Plan	100	A1
1423_DWG_PL_G_00_202	Plot G Second Floor Plan	100	A1
1423_DWG_PL_G_00_203	Plot G Third Floor Plan	100	A1
1423_DWG_PL_G_00_204	Plot G Fourth Floor Plan	100	A1
1423_DWG_PL_G_00_205	Plot G Fifth Floor Plan	100	A1
1423_DWG_PL_G_00_206	Plot G Roof Plan	100	A1
1423_DWG_PL_G_00_230	Plot G Section AA	100	A1
1423_DWG_PL_G_00_231	Plot G Section BB	100	A1
1423_DWG_PL_G_00_250	Plot G Elevations North & South	100	A1
1423_DWG_PL_G_00_251	Plot G Elevation East	100	A1
1423_DWG_PL_G_00_252	Plot G Elevation West	100	A1
1423_DWG_PL_G_00_280	Plot G Typical Details 01	varies	A1
1423_DWG_PL_H_00_200	Plot H Ground Floor Plan	100	A1
1423_DWG_PL_H_00_201	Plot H First Floor Plan	100	A1
1423_DWG_PL_H_00_202	Plot H Second Floor Plan	100	A1
1423_DWG_PL_H_00_203	Plot H Third Floor Plan	100	A1
1423_DWG_PL_H_00_204	Plot H Fourth Floor Plan	100	A1
1423_DWG_PL_H_00_205	Plot H Roof Plan	100	A1
1423_DWG_PL_H_00_250	Plot H Elevation North	100	A1
1423_DWG_PL_H_00_251	Plot H Elevation East & West	100	A1
1423_DWG_PL_H_00_252	Plot H Elevation South	100	A1

Ref	1423	Project	Agar Grove
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Document No	Document Name	Scale	Size
1423_DWG_PL_H_00_280	Plot H Typical Details 01	varies	A1
1423_DWG_PL_I_00_200	Plot I Ground Floor Plan	100	A1
1423_DWG_PL_I_00_201	Plot I First Floor Plan	100	A1
1423_DWG_PL_I_00_202	Plot I Second Floor Plan	100	A1
1423_DWG_PL_I_00_203	Plot I Third Floor Plan	100	A1
1423_DWG_PL_I_00_204	Plot I Fourth Floor Plan	100	A1
1423_DWG_PL_I_00_205	Plot I Fifth Floor Plan	100	A1
1423_DWG_PL_I_00_206	Plot I Roof Plan	100	A1
1423_DWG_PL_I_00_250	Plot I Elevation North	100	A1
1423_DWG_PL_I_00_251	Plot I Elevation East	100	A1
1423_DWG_PL_I_00_252	Plot I Elevation South	100	A1
1423_DWG_PL_I_00_253	Plot I Elevation West	100	A1
1423_DWG_PL_I_00_280	Plot I Typical Details 01	20	A1
1423_DWG_PL_JKL_00_200	Plot JKL Ground Floor Plan	100	A0
1423_DWG_PL_JKL_00_201	Plot JKL First Floor Plan	100	A0
1423_DWG_PL_JKL_00_202	Plot JKL Second Floor Plan	100	A0
1423_DWG_PL_JKL_00_203	Plot JKL Third Floor Plan	100	A0
1423_DWG_PL_JKL_00_204	Plot JKL Fourth Floor Plan	100	A0
1423_DWG_PL_JKL_00_205	Plot JKL Fifth Floor Plan	100	A0
1423_DWG_PL_JKL_00_206	Plot JKL Roof Plan	100	A0
1423_DWG_PL_JKL_00_250	Plot JKL East & North Elevations	100	A0
1423_DWG_PL_JKL_00_251	Plot JKL West & South Elevations	100	A0
1423_DWG_PL_JKL_00_252	Plot JKL Internal Courtyard Elevations	100	A0
1423_DWG_PL_JKL_00_280	Plot JKL Typical Details 01	varies	A1
1423_DWG_PL_JKL_00_281	Plot JKL Typical Details 02	50	A1
1423_DWG_PL_JKL_00_282	Plot JKL Typical Details 03	varies	A1
1423_DWG_PL_LUL_00_200	Lulworth Basement Plan	100	A1
1423_DWG_PL_LUL_00_201	Lulworth Ground Floor Plan	100	A1
1423_DWG_PL_LUL_00_202	Lulworth Mezzanine Floor Plan	100	A1

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Ref	1423	Project	Agar Grove
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Document No	Document Name	Scale	Size
1423_DWG_PL_LUL_00_203	Lulworth First Floor Plan	100	A1
1423_DWG_PL_LUL_00_204	Lulworth Second Floor Plan	100	A1
1423_DWG_PL_LUL_00_205	Lulworth Third Floor Plan	100	A1
1423_DWG_PL_LUL_00_206	Lulworth Fourth Floor Plan	100	A1
1423_DWG_PL_LUL_00_207	Lulworth Fifth Floor Plan	100	A1
1423_DWG_PL_LUL_00_208	Lulworth Sixth Floor Plan	100	A1
1423_DWG_PL_LUL_00_209	Lulworth Seventh Floor Plan	100	A1
1423_DWG_PL_LUL_00_210	Lulworth Eighth Floor Plan	100	A1
1423_DWG_PL_LUL_00_211	Lulworth Ninth Floor Plan	100	A1
1423_DWG_PL_LUL_00_212	Lulworth Tenth Floor Plan	100	A1
1423_DWG_PL_LUL_00_213	Lulworth Eleventh Floor Plan	100	A1
1423_DWG_PL_LUL_00_214	Lulworth Twelfth Floor Plan	100	A1
1423_DWG_PL_LUL_00_215	Lulworth Thirteenth Floor Plan	100	A1
1423_DWG_PL_LUL_00_216	Lulworth Fourteenth Floor Plan	100	A1
1423_DWG_PL_LUL_00_217	Lulworth Fifteenth Floor Plan	100	A1
1423_DWG_PL_LUL_00_218	Lulworth Sixteenth Floor Plan	100	A1
1423_DWG_PL_LUL_00_219	Lulworth Seventeenth Floor Plan	100	A1
1423_DWG_PL_LUL_00_220	Lulworth Eighteenth Floor Plan	100	A1
1423_DWG_PL_LUL_00_221	Lulworth Nineteenth Floor Plan	100	A1
1423_DWG_PL_LUL_00_222	Lulworth Roof Plan	100	A1
1423_DWG_PL_LUL_00_250	Lulworth Elevation North & East	100	A0
1423_DWG_PL_LUL_00_251	Lulworth Elevation South & West	100	A0
1423_DWG_PL_LUL_00_280	Lulworth Typical Details 01	varies	A1
1423_DWG_PL_LUL_00_281	Lulworth Typical Details 02	50	A1
1423_DWG_PL_LUL_00_282	Lulworth Typical Details 03	50	A1
1423_DWG_PL_LUL_00_283	Lulworth Typical Details 04	20	A1
1423_DWG_PL_LUL_00_284	Lulworth Typical Details 05	varies	A1





PLOT A

DWELLING REFERENCE	LHDG TARGET AREA	TOTAL RESIDENTIAL N/A-Flat		DWELLING TYPE	HABITABLE ROOMS	EN-SUITE	TENURE	LHDG AMENITY TARGET AREA	AMENITY SPACE	AMENITY SPACE TYPE	TOTAL GIA		TOTAL GEA	
Plot-Level Unit	sq.m	sq.m	sq.ft	xRpP				sq.m	sq.m		sq.m	sq.ft	sq.m	sq.ft
GROUND FLOOR														
PA-00-01- Maisonette	107	130	1394	4B6P	6	N	SR	9	25	Garden+Balcony	773	8319	773	8319
PA-00-02- Maisonette	96	100	1072	3B5P	5	N	SR	8	26	Garden+Balcony				
PA-00-03- Maisonette	107	120	1288	4B6P	6	N	SR	9	15	Garden+Balcony				
PA-00-04- Maisonette	107	122	1315	4B6P	6	N	SR	9	15	Garden+Balcony				
PA-00-05- Maisonette	107	116	1250	4B6P	6	N	SR	9	17	Garden+Balcony				
PA-00-06- Maisonette	96	100	1072	3B5P	5	N	SR	8	26	Garden+Balcony				
PA-00-07- Maisonette	107	116	1252	4B6P	6	N	SR	9	17	Garden+Balcony				
PA-00-08- Maisonette	107	116	1253	4B6P	6	N	SR	9	17	Garden+Balcony				
FIRST FLOOR														
PA-01-01	50	51	547	1B2P	2	N	SR	5	9	Balcony	697	7501	788	8487
PA-01-02	50	51	549	1B2P	2	N	SR	5	9	Balcony				
SECOND FLOOR														
PA-02-01	n/a	151	1630	3B6P	5	N	SR WA	9	25	Balcony	658	7083	724	7798
PA-02-02	86	90	966	3B5P	5	N	SR	8	15	Balcony				
PA-02-03	86	99	1063	3B5P	5	N	SR	8	9	Balcony				
PA-02-04	50	51	553	1B2P	2	N	SR	5	14	Balcony				
PA-02-05	50	51	553	1B2P	2	N	SR	5	14	Balcony				
PA-02-06	n/a	97	1042	2B3P	3	N	SR WA	6	74	Balcony+Roof Garden	658	7083	724	7798
THIRD FLOOR														
PA-03-01	61	62	664	2B3P	3	N	SR	6	80	Balcony+Roof Garden				
PA-03-02	50	51	546	1B2P	2	N	SR	5	13	Balcony				
PA-03-03	61	67	718	2B3P	3	N	SR	6	9	Balcony				
PA-03-04	86	99	1063	3B5P	5	N	SR	8	9	Balcony				
PA-03-05	50	51	553	1B2P	2	N	SR	5	14	Balcony				
PA-03-06	50	51	553	1B2P	2	N	SR	5	14	Balcony				
PA-03-07	n/a	97	1042	2B3P	3	N	SR WA	6	11	Balcony	531	5717	596	6414
FOURTH FLOOR														
PA-04-01	61	62	664	2B3P	3	N	SR	6	9	Balcony				
PA-04-02	50	51	546	1B2P	2	N	SR	5	13	Balcony				
PA-04-03	61	67	718	2B3P	3	N	SR	6	37	Balcony				
PA-04-04	86	99	989	3B5P	5	N	SR	8	53	Balcony+Roof Garden				
PA-04-05	50	51	552	1B2P	2	N	SR	5	14	Balcony				
PA-04-06	86	97	1042	3B5P	5	N	SR	8	11	Balcony				
FIFTH FLOOR														
PA-05-01	61	62	664	2B3P	3	N	SR	6	9	Balcony	531	5717	596	6414
PA-05-02	50	51	546	1B2P	2	N	SR	5	13	Balcony				
PA-05-03	61	67	718	2B3P	3	N	SR	6	9	Balcony				
PA-05-04	86	92	989	3B5P	5	N	SR	8	16	Balcony				
PA-05-05	50	51	552	1B2P	2	N	SR	5	14	Balcony				
PA-05-06	86	97	1042	3B5P	5	N	SR	8	11	Balcony				
SIXTH FLOOR														
PA-06-01	86	92	989	3B5P	5	N	SR	8	16	Balcony	316	3400	361	3886
PA-06-02	50	51	552	1B2P	2	N	SR	5	14	Balcony				
PA-06-03	86	97	1042	3B5P	5	N	SR	8	11	Balcony				
ROOF														
											46	491	59	632

SUMMARY - PLOT A							
TOTAL RESIDENTIAL N/A Flat				TOTAL HABITABLE ROOMS	TOTAL EN-SUITE	TOTAL N/A	TOTAL GIA (sq.m)
3116				144	0	3	4,210
				TOTAL GIA (sq.ft)	TOTAL GEA (sq.m)	TOTAL GEA (sq.ft)	
				45,311	4622	49748	

Tenure	No.
PR	
INT	
SR	38
TOTAL	38

TENURE KEY	
PR	Private
SR	Social Rent
INT	Intermediate
WA	Wheelchair access

UNIT SUMMARY	
Studio	
1B2P	12
2B3P	8
3B4P	
3B5P	11
3B6P	1
4B6P	6
TOTAL	38 SR - Social Rent

			Communal Areas	
	N/A	GIA	-146	GEA
	919	773		773
0	130			
0	100			
0	120			
0	122			
0	116			
0	100			
0	116			
0	116			
0	116			
0	102	697	595	788
0	51			
0	51			
0	539	658	119	724
0	151			
0	90			
0	99			
0	51			
0	51			
0	97			
0	477	658	181	724
0	62			
0	51			
0	67			
0	99			
0	51			
0	51			
0	97			
0	419	531	112	596
0	62			
0	51			
0	67			
0	92			
0	51			
0	97			
0	240	316	76	361
0	92			
0	51			
0	97			
		46	38	59
	3116	4,209.51	1088	4622

Final

PLOT B

DWELLING REFERENCE	LHDG TARGET AREA	TOTAL RESIDENTIAL N/A-Flat		DWELLING TYPE	HABITABLE ROOMS	EN-SUITE	TENURE	LHDG AMENITY TARGET AREA	AMENITY SPACE	AMENITY SPACE TYPE	TOTAL GIA*		TOTAL GEA*		Communal Areas			
Plot-Level-Unit	sq.m	sq.m	sq.ft	xbp				sq.m	sq.m		sq.m	sq.ft	sq.m	sq.ft	N/A (sq.m)	GIA (sq.m)	(sq.m)	GEA (sq.m)
GROUND FLOOR											1,046	11,259	1,121	12,065	0	1046	1046	1121
FIRST FLOOR											730	7,854	1,123	12,086	0	730	730	1123
SECOND FLOOR											828	8,916	911	9,805	0	828	828	911
PB1-02-01	61	62	668	2B3P	3	N	SR	6	7	Balcony					0	62		
PB1-02-02	50	72	774	2B4P	3	N	SR	7	8	Balcony					0	72		
PB1-02-03	61	65	701	2B3P	2	N	SR	6	16	Balcony					0	65		
PB1-02-04	61	72	774	2B4P	3	N	SR	7	7	Balcony					0	72		
PB1-02-05	61	62	668	2B3P	2	N	SR	6	7	Balcony					0	62		
PB2-02-01	70	71	760	2B4P	3	N	SR	7	8	Balcony					0	71		
PB2-02-02	70	73	789	2B4P	3	N	SR	7	8	Balcony					0	73		
PB2-02-03	50	52	556	1B2P	2	N	SR	5	5	Balcony					0	52		
PB2-02-04	70	71	765	2B4P	3	N	SR	7	8	Balcony					0	71		
PB2-02-05	70	77	832	2B4P	3	N	SR	7	8	Balcony					0	77		
THIRD FLOOR											828	8,916	911	9,805	0	828	828	911
PB1-03-01	61	62	668	2B3P	3	N	SR	6	7	Balcony					0	62		
PB1-03-02	70	72	774	2B4P	3	N	SR	7	7	Balcony					0	72		
PB1-03-03	61	65	701	2B3P	2	N	SR	6	16	Balcony					0	65		
PB1-03-04	61	72	774	2B4P	3	N	SR	7	7	Balcony					0	72		
PB1-03-05	61	62	668	2B3P	2	N	SR	6	7	Balcony					0	62		
PB2-03-01	70	71	760	2B4P	3	N	SR	7	8	Balcony					0	71		
PB2-03-02	70	73	789	2B4P	3	N	SR	7	8	Balcony					0	73		
PB2-03-03	50	52	556	1B2P	2	N	SR	5	5	Balcony					0	52		
PB2-03-04	70	71	765	2B4P	3	N	SR	7	8	Balcony					0	71		
PB2-03-05	70	77	832	2B4P	3	N	SR	7	8	Balcony					0	77		
FOURTH FLOOR											828	8,916	911	9,805	0	828	828	911
PB1-04-01	61	62	668	2B3P	3	N	SR	6	7	Balcony					0	62		
PB1-04-02	70	72	774	2B4P	3	N	SR	7	7	Balcony					0	72		
PB1-04-03	61	65	701	2B3P	2	N	SR	6	16	Balcony					0	65		
PB1-04-04	70	72	774	2B4P	3	N	SR	7	7	Balcony					0	72		
PB1-04-05	61	62	668	2B3P	2	N	SR	6	7	Balcony					0	62		
PB2-04-01	70	71	760	2B4P	3	N	SR	7	8	Balcony					0	71		
PB2-04-02	70	73	789	2B4P	3	N	SR	7	8	Balcony					0	73		
PB2-04-03	50	52	556	1B2P	2	N	SR	5	5	Balcony					0	52		
PB2-04-04	70	71	765	2B4P	3	N	SR	7	8	Balcony					0	71		
PB2-04-05	70	77	832	2B4P	3	N	SR	7	8	Balcony					0	77		
FIFTH FLOOR											828	8,916	911	9,805	0	828	828	911
PB1-05-01	61	62	668	2B3P	3	N	SR	6	7	Balcony					0	62		
PB1-05-02	70	72	774	2B4P	3	N	SR	7	7	Balcony					0	72		
PB1-05-03	61	65	701	2B3P	2	N	SR	6	16	Balcony					0	65		
PB1-05-04	70	72	774	2B4P	3	N	SR	7	7	Balcony					0	72		
PB1-05-05	61	62	668	2B3P	2	N	SR	6	7	Balcony					0	62		
PB2-05-01	70	71	760	2B4P	3	N	SR	7	8	Balcony					0	71		
PB2-05-02	70	73	789	2B4P	3	N	SR	7	8	Balcony					0	73		
PB2-05-03	50	52	556	1B2P	2	N	SR	5	5	Balcony					0	52		
PB2-05-04	70	71	765	2B4P	3	N	SR	7	8	Balcony					0	71		
PB2-05-05	70	77	832	2B4P	3	N	SR	7	8	Balcony					0	77		
SIXTH FLOOR											828	8,916	911	9,805	0	828	828	911
PB1-06-01	61	62	668	2B3P	3	N	SR	6	7	Balcony					0	62		
PB1-06-02	70	72	774	2B4P	3	N	SR	7	7	Balcony					0	72		
PB1-06-03	61	65	701	2B3P	2	N	SR	6	16	Balcony					0	65		
PB1-06-04	70	72	774	2B4P	3	N	SR	7	7	Balcony					0	72		
PB1-06-05	61	62	668	2B3P	2	N	SR	6	7	Balcony					0	62		
PB2-06-01	70	71	760	2B4P	3	N	SR	7	8	Balcony					0	71		
PB2-06-02	70	73	789	2B4P	3	N	SR	7	8	Balcony					0	73		
PB2-06-03	50	52	556	1B2P	2	N	SR	5	5	Balcony					0	52		
PB2-06-04	70	71	765	2B4P	3	N	SR	7	8	Balcony					0	71		
PB2-06-05	70	77	832	2B4P	3	N	SR	7	8	Balcony					0	77		
SEVENTH FLOOR											416	4,476	457	4,916	0	344	416	457
PB2-07-01	70	71	760	2B4P	3	N	SR	7	8	Balcony					0	71		
PB2-07-02	70	73	789	2B4P	3	N	SR	7	8	Balcony					0	73		
PB2-07-03	50	52	556	1B2P	2	N	SR	5	5	Balcony					0	52		
PB2-07-04	70	71	768	2B4P	3	N	SR	7	8	Balcony					0	71		
PB2-07-05	70	77	832	2B4P	3	N	SR	7	8	Balcony					0	77		
EIGHTH FLOOR											387	4,167	427	4,592	0	344	387	427
PB2-08-01	61	71	760	2B3P	3	N	SR	6	8	Balcony					0	71		
PB2-08-02	50	73	789	1B2P	2	N	SR	5	8	Balcony					0	73		
PB2-08-03	50	52	556	1B2P	2	N	SR	5	5	Balcony					0	52		
PB2-08-04	70	71	768	2B4P	3	N	SR	7	8	Balcony					0	71		
PB2-08-05	70	77	832	2B4P	3	N	SR	7	8	Balcony					0	77		
NINTH FLOOR											387	4,167	427	4,592	0	344	387	427
PB2-09-01	61	71	760	2B3P	3	N	SR	6	8	Balcony					0	71		
PB2-09-02	50	73	789	1B2P	2	N	SR	5	8	Balcony					0	73		
PB2-09-03	50	52	556	1B2P	2	N	SR	5	5	Balcony					0	52		
PB2-09-04	70	71	768	2B4P	3	N	SR	7	8	Balcony					0	71		
PB2-09-05	70	77	832	2B4P	3	N	SR	7	8	Balcony					0	77		
TENTH FLOOR											387	4,167	427	4,592	0	344	387	427
PB2-10-01	61	71	760	2B3P	3	N	SR	6	8	Balcony					0	71		
PB2-10-02	50	73	789	1B2P	2	N	SR	5	8	Balcony					0	73		
PB2-10-03	50	52	556	1B2P	2	N	SR	5	5	Balcony					0	52		
PB2-10-04	70	71	768	2B4P	3	N	SR	7	8	Balcony					0	71		
PB2-10-05	70	77	832	2B4P	3	N	SR	7	8	Balcony					0	77		
ELEVENTH FLOOR											387	4,167	427	4,592	0	344	387	427
PB2-11-01	61	71	760	2B3P	3	N	SR	6	8	Balcony					0	71		
PB2-11-02	50	73	789	1B2P	2	N	SR	5	8	Balcony					0	73		
PB2-11-03	50	52	556	1B2P	2	N	SR	5	5	Balcony					0	52		
PB2-11-04	70	71	768	2B4P	3	N	SR	7	8	Balcony					0	71		
PB2-11-05	70	77	832	2B4P	3	N	SR	7	8	Balcony					0	77		
TWELFTH FLOOR											344	3,707	382	4,108	0	276	344	382
PB2-12-01	50	52	557	1B2P	2	N	SR	5	6	Balcony					0	52		
PB2-12-02	50	50	538	1B2P	2	N	SR	5	13	Balcony					0	50		
PB2-12-03	50	50	538	1B2P	2	N	SR	5	12	Balcony					0	50		
PB2-12-04	50	50	538	1B2P	2	N	SR	5	14	Balcony					0	50		
PB2-12-05	70	75	804	2B4P	3	N	SR	7	8	Balcony					0	75		
THIRTEENTH FLOOR											344	3,707	382	4,108	0	276	344	382
PB2-13-01	50	52	557	1B2P	2	N	SR	5	6	Balcony					0	52		
PB2-13-02	50	50	538	1B2P	2	N	SR	5	5	Balcony					0	50		
PB2-13-03	50	50	538	1B2P	2	N	SR	5	5	Balcony					0	50		
PB2-13-04	50	50	538	1B2P	2	N	SR	5	6	Balcony					0	50		
PB2-13-05	70	75	804															

Plot CD- Phase 3

DWELLING REFERENCE	LHDG TARGET AREA	TOTAL RESIDENTIAL N/A-Flat		DWELLING TYPE	HABITABLE ROOMS	EN-SUITE	TENURE	LHDG AMENITY TARGET AREA	AMENITY SPACE	AMENITY SPACE TYPE	TOTAL GIA		TOTAL GEA	
	sq.m	sq.m	sq.ft	xBrP				sq.m	sq.m		sq.m	sq.ft	sq.m	sq.ft
Plot-Level-Unit														
GROUND FLOOR											777	8363.628	866	9321.624
PCD-00-01	107 (+4)	123	1324	4B6P	6	N	SR	5	19	Balcony				
PCD-00-02	107 (+4)	111	1195	3B5P	5	N	SR	5	21	Balcony				
PCD-00-03	107 (+4)	122	1313	4B6P	6	N	SR	5	19	Balcony				
PCD-00-04	113 (+4)	127	1367	4B6P	6	Y	SR	6	24	Roof Terrace				
PCD-00-05	113 (+4)	127	1367	4B6P	6	Y	SR	9	29	Roof Terrace				
SECOND FLOOR											343	3692.052	390	4197.96
PCD-02-01	70 (+3)	74	797	2B4P	3	N	SR	7	7.5	Balcony				
PCD-02-02	61 (+3)	65	700	2B3P	3	N	SR	6	6	Balcony				
PCD-02-03	96 (+3)	104	1119	3B6P	4	N	SR	9	13	Balcony				
THIRD FLOOR											291	3132.324	318	3422.952
PCD-03-01	70 (+3)	74	797	2B4P	3	N	SR	7	7.5	Balcony				
PCD-03-02	61 (+3)	65	700	2B3P	3	N	SR	6	6	Balcony				
PCD-03-03	96 (+3)	104	1119	3B6P	4	N	SR	9	13	Balcony				
FOURTH FLOOR											291	3132.324	318	3422.952
PCD-04-01	70 (+3)	74	797	2B4P	3	N	SR	7	7.5	Balcony				
PCD-04-02	61 (+3)	65	700	2B3P	3	N	SR	6	6	Balcony				
PCD-04-03	96 (+3)	104	1119	3B6P	4	N	SR	9	13	Balcony				
ROOF													333	3584.412

NIA		GIA	Communal areas sqm	GEA
610	123	777	167	866
111				
122				
127				
243				
74	343		100	390
65				
104				
243	291		48	318
74				
65				
104				
243	291		48	318
74				
65				
104				
0	0		0	0

SUMMARY - PLOT CD					
TOTAL RESIDENTIAL N/A Flat	TOTAL HABITABLE ROOMS	TOTAL EN-SUITE	TOTAL N/A	TOTAL GIA (sq.m)	TOTAL GIA (sq.ft)
1339	14413	59	0	1702	18320
27.11%					

Tenure	No.
PR	
INT	
SR	14
TOTAL	14
TENURE KEY	
PR - Private	
SR - Social Rent	
INT - Intermediate	
WA - Wheelchair access	

UNIT SUMMARY	
1B2P	0
2B3P	3
2B4P	3
3B5P	1
3B6P	3
4B6P	4
TOTAL	14 SR - Social Rent

Non Residential Accommodation		
Plot-Level-Accommodation	sq.m	sq.ft
PA-00-RefuseStore01	16	172
		tbc
PA-00-CycleStore01	10	108
PA-00-CycleStore02	10	108
PA-00-PlantRoom01	20	215
		inside building envelope
TOTAL	56	602.784

Plot E- Phase 3

DWELLING REFERENCE	LHDG TARGET AREA	TOTAL RESIDENTIAL N/A-Flat		INCORPORATING PASSIVE HOUSE MVR ROOM	DWELLING TYPE	HABITABLE ROOMS	EN-SUITE	TENURE	LHDG AMENITY TARGET AREA	AMENITY SPACE	AMENITY SPACE TYPE	TOTAL GIA		TOTAL GEA						
Plot-Level-Unit	sq.m	sq.m	sq.ft		xBxP				sq.m	sq.m		sq.m	sq.ft	sq.m	sq.ft		N/A	GIA	Communal areas sqm	GEA
GROUND FLOOR												538	5791.032	621	6684.444					
PE-00-01	96 (+4)	100	1076	Y	385P	4	N	SR	8	22	Ground + balcony						404	538	134	621
PE-00-02	96 (+4)	102	1098	Y	385P	4	N	SR	8	22	Ground + balcony						100			
PE-00-03	96 (+4)	101	1087	Y	385P	4	N	SR	8	22	Ground + balcony						102			
PE-00-04	96 (+4)	101	1087	Y	385P	4	N	SR	8	22	Ground + balcony						101			
SECOND FLOOR												256	2755.584	296	3186.144					
PE-02-01	61 (+3)	64	689	Y	283P	3	N	SR	6	7	Balcony						64	256	18	296
PE-02-02	50 (+3) WCA	55	592	Y	182P	2	N	SR WCA	5	11	Balcony						55			
PE-02-03	50 (+3) WCA	55	592	Y	182P	2	N	SR WCA	5	12	Balcony						55			
PE-02-04	61 (+3)	64	689	Y	283P	3	N	SR	6	6	Balcony						64			
THIRD FLOOR												256	2755.584	296	3186.144					
PE-03-01	61 (+3)	64	689	Y	283P	3	N	SR	6	7	Balcony						64	256	18	296
PE-03-02	50 (+3) WCA	55	592	Y	182P	2	N	SR WCA	5	11	Balcony						55			
PE-03-03	50 (+3) WCA	55	592	Y	182P	2	N	SR WCA	5	12	Balcony						55			
PE-03-04	61 (+3)	64	689	Y	283P	3	N	SR	6	6	Balcony						64			
FOURTH FLOOR												256	2755.584	296	3186.144					
PE-04-01	61 (+3)	64	689	Y	283P	3	N	SR	6	6	Balcony						64	256	18	296
PE-04-02	50 (+3) WCA	55	592	Y	182P	2	N	SR WCA	5	11	Balcony						55			
PE-04-03	50 (+3) WCA	55	592	Y	182P	2	N	SR WCA	5	12	Balcony						55			
PE-04-04	61 (+3)	64	689	Y	283P	3	N	SR	6	6	Balcony						64			
FIFTH FLOOR	(note stair not incl)											250	2691	294	3164.616					
PE-05-01	61 (+3)	61	657	Y	283P	3	N	SR	6	5	Balcony						61	250	23	294
PE-05-02	50 (+3)	52	560	Y	182P	2	N	SR	5	6	Balcony						52			
PE-05-03	50 (+3)	53	570	Y	182P	2	N	SR	5	9	Balcony						53			
PE-05-04	61 (+3)	61	657	Y	283P	3	N	SR	6	6	Balcony						61			
ROOF												0		523	5629.572					

SUMMARY - PLOT E					
TOTAL RESIDENTIAL N/A Flat					
	TOTAL HABITABLE ROOMS	TOTAL EN-SUITE	TOTAL N/A	TOTAL GIA (sq.m)	TOTAL GIA (sq.ft)
1345	14478	56	6	1556	16749
				15.69%	

Tenure	No.
PR	
INT	
SR	20
TOTAL	20

TENURE KEY	
PR - Private	
SR - Social Rent	
INT - Intermediate	
N/A - Wheelchair access	

UNIT SUMMARY	
Studio	
182P	8
283P	
284P	8
385P	4
486P	
TOTAL	20 SR

To be read in conjunction with latest plans and accompanying notes

Plot F- Phase 2

DWELLING REFERENCE	LHDG TARGET AREA	TOTAL RESIDENTIAL NIA-Flat		INCORPORATING PASSIVE HOUSE MVR-R ROOM	DWELLING TYPE	HABITABLE ROOMS	EN-SUITE	TENURE	LHDG AMENITY TARGET AREA	AMENITY SPACE	AMENITY SPACE TYPE	TOTAL GIA		TOTAL GEA	
Plot-Level-Unit	sq.m	sq.m	sq.ft		xBxP				sq.m	sq.m		sq.m	sq.ft	sq.m	sq.ft
GROUND FLOOR												863	9289	964	10376.496
PF-00-01	107 (+3 PH)	119	1281	Y	4B6P	5	N	SR	9	35	Ground				
PF-00-02	107 (+3 PH)	119	1281	Y	4B6P	5	N	SR	9	35	Ground				
PF-00-03	107 (+3 PH)	119	1281	Y	4B6P	5	N	SR	9	35	Ground				
PF-00-04	107 (+3 PH)	119	1281	Y	4B6P	5	N	SR	9	35	Ground				
PF-00-05	107 (+3 PH)	119	1281	Y	4B6P	5	N	SR	9	35	Ground				
PF-00-06	107 (+3 PH)	119	1281	Y	4B6P	5	N	SR	9	35	Ground				
PF-00-07	107 (+3 PH)	119	1281	Y	4B6P	5	N	SR	9	35	Ground				
FIRST FLOOR															
SECOND FLOOR												717	7718	827	8901.828
PF-02-01	96 (+3 PH)	98	1055	Y	3B5P	4	N	SR	8	9	Balcony				
PF-02-02	96 (+3 PH)	98	1055	Y	3B5P	4	N	SR	8	9	Balcony				
PF-02-03	96 (+3 PH)	98	1055	Y	3B5P	4	N	SR	8	9	Balcony				
PF-02-04	96 (+3 PH)	98	1055	Y	3B5P	4	N	SR	8	9	Balcony				
PF-02-05	96 (+3 PH)	98	1055	Y	3B5P	4	N	SR	8	9	Balcony				
PF-02-06	96 (+3 PH)	98	1055	Y	3B5P	4	N	SR	8	9	Balcony				
PF-02-07	96 (+3 PH)	98	1055	Y	3B5P	4	N	SR	8	9	Balcony				
THIRD FLOOR															
ROOF															

SUMMARY -PLOT F					
TOTAL RESIDENTIAL NIA Flat					
1519	16351			63	0
					1580 17007 4.02%

Tenure	No.
PR	
INT	
SR	14
TOTAL	14

TENURE KEY	
PR - Private	
SR - Social Rent	
INT - Intermediate	
WA - Wheelchair access	

UNIT SUMMARY	
Studio	
1B2P	
2B3P	
2B4P	
3B5P	7
4B6P	7
TOTAL	14 SR - Social Rent

NIA	GIA	Communal areas sqm
833	863	30
119		
119		
119		
119		
119		
0	0	0
686	717	31
98		
98		
98		
98		
98		
0	0	0

1519	1580	61
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Plot G- Phase 2

DWELLING REFERENCE	LHDG TARGET AREA	TOTAL RESIDENTIAL NIA-Flat		INCORPORATING PASSIVE HOUSE MINIM ROOM	DWELLING TYPE	HABITABLE ROOMS	EN-SUITE	TENURE	LHDG AMENITY TARGET AREA	AMENITY SPACE	AMENITY SPACE TYPE	TOTAL GIA		TOTAL GEA	
Plot-Level-Unit	sq.m	sq.m	sq.ft		xBxP				sq.m	sq.m		sq.m	sq.ft	sq.m	sq.ft
GROUND FLOOR												408	4391.712	457	4919.148
PG-00-01	53 (50+3) WCA	56	603	Y	1B2P	2	N	PR WCA	5	5	Ground		602.784		
PG-00-02	53 (50+3) WCA	56	603	Y	1B2P	2	N	PR WCA	5	5	Ground		602.784		
PG-00-03	53 (50+3)	56	603	Y	1B2P	2	N	PR	5	7	Ground		602.784		
PG-00-04	53 (50+3)	56	603	Y	1B2P	2	N	PR	5	7	Ground		602.784		
PG-00-05	53 (50+3)	59	635	Y	1B2P	2	N	PR	5	15	Ground		635.076		
FIRST FLOOR												472	5080.608	381	4101.084
PG-01-01	70.5 (61+6.5+3)	78	840	Y	2B3P	3	Y	PR	7	7	Balcony		839.592		
PG-01-02	57.5 (50+4.5+3)	61	657	Y	1B2P	3	N	PR	5	7	Balcony		656.604		
PG-01-03	57.5 (50+4.5+3)	61	657	Y	1B2P	3	N	PR	6	7	Balcony		656.604		
PG-01-04	57.5 (50+4.5+3)	61	657	Y	1B2P	3	N	PR	6	7	Balcony		656.604		
PG-01-05	57.5 (50+4.5+3)	61	657	Y	1B2P	3	N	PR	5	7	Balcony		656.604		
PG-01-06	70.5 (61+6.5+3)	78	840	Y	2B3P	3	Y	PR	7	7	Balcony		839.592		
SECOND FLOOR												0	0	381	4101.084
THIRD FLOOR												522	5618.808	412	4434.768
PG-03-01	81.5 (70+8.5+3)	82	883	Y	2B4P	3	Y	PR	7	7	Balcony		882.648		
PG-03-02	57.5 (50+4.5+3)	64	689	Y	1B2P	3	N	PR	5	7	Balcony		688.896		
PG-03-03	57.5 (50+4.5+3)	64	689	Y	1B2P	3	N	PR	6	7	Balcony		688.896		
PG-03-04	57.5 (50+4.5+3)	64	689	Y	1B2P	3	N	PR	6	7	Balcony		688.896		
PG-03-05	57.5 (50+4.5+3)	64	689	Y	1B2P	3	N	PR	5	7	Balcony		688.896		
PG-03-06	81.5 (70+8.5+3)	82	883	Y	2B4P	3	Y	PR	7	7	Balcony		882.648		
FOURTH FLOOR												342	3681.288	381	
PG-04-01	74 (61+10+3)	84	904	Y	2B3P	3	Y	PR	7	7	Balcony		904.176		
PG-04-02	57.5 (50+4.5+3)	61	657	Y	1B2P	3	N	PR	5	7	Balcony		656.604		
PG-04-03	57.5 (50+4.5+3)	61	657	Y	1B2P	3	N	PR	6	7	Balcony		656.604		
PG-04-04	57.5 (50+4.5+3)	61	657	Y	1B2P	3	N	PR	6	7	Balcony		656.604		
PG-04-05	57.5 (50+4.5+3)	61	657	Y	1B2P	3	N	PR	5	7	Balcony		656.604		
PG-04-06	74 (61+10+3)	84	904	Y	2B3P	3	Y	PR	7	7	Balcony		904.176		
FIFTH FLOOR												222	2389.608	258	
ROOF														520	5597.28

SUMMARY - PLOT G					
TOTAL RESIDENTIAL NIA Flat				TOTAL HABITABLE ROOMS	TOTAL EN-SUITE
1515	16307			64	6
					2
					1966
					25.77%
					21162

Tenure	No.
PR	23
INT	
SR	
TOTAL	23

TENURE KEY	
PR - Private	
SR - Social Rent	
INT - Intermediate	
WA - Wheelchair access	

UNIT SUMMARY	
Studio	
1B2P	17
2B3P	4
2B4P	2
3B5P	
4B6P	
TOTAL	23 PR - Private

NIA		GIA	Communal areas sqm	GEA
	282	408	125	457
	56			
	56			
	56			
	56			
	59			
	400	472	72	381
	78			
	61			
	61			
	61			
	61			
	78			
	0	0	0	381
	420	522	102	412
	82			
	64			
	64			
	64			
	64			
	82			
	412	342	-70	381
	84			
	61			
	61			
	61			
	84			
		222	222	258

1515	1966	451	2270
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DWELLING REFERENCE	LHDG TARGET AREA	TOTAL RESIDENTIAL N/A-Flat		INCORPORATING PASSIVE HOUSE MYHR ROOM	DWELLING TYPE	HABITABLE ROOMS	EN-SUITE	TENURE	LHDG AMENITY TARGET AREA	AMENITY SPACE	AMENITY SPACE TYPE	TOTAL GIA		TOTAL GEA						
Plot-Level-Unit	sq.m	sq.m	sq.ft		2B2P				sq.m	sq.m		sq.m	sq.ft	sq.m	sq.ft		N/A	GIA	Communal area sqm	GEA
GROUND FLOOR												647	6964.308	725	7803.9					
PH-00-01	107 (+3)	111	1195	Y	4B6P	5	N	SR	9	25	Ground						1104	647	-457	725
PH-00-02	96 (+3)	108	1163	Y	3B5P	4	N	SR	9	14	Ground						1111			
PH-00-03	107 (+3)	111	1195	Y	4B6P	5	N	SR	9	25	Ground						108			
PH-00-04	107 (+3)	111	1195	Y	4B6P	5	N	SR	9	25	Ground						111			
PH-00-05	107 (+3)	111	1195	Y	4B6P	5	N	SR	9	25	Ground						111			
PH-00-06	107 (+3)	111	1195	Y	4B6P	5	N	SR	9	25	Ground						111			
PH-00-07	107 (+3)	111	1195	Y	4B6P	5	N	SR	9	25	Ground						111			
PH-00-08	96 (+3)	108	1163	Y	3B5P	4	N	SR	9	14	Ground						108			
PH-00-09	107 (+3)	111	1195	Y	4B6P	5	N	SR	9	25	Ground						111			
PH-00-10	107 (+3)	111	1195	Y	4B6P	5	N	SR	9	25	Ground						111			
FIRST FLOOR												696	7491.744	776	8352.864		0	696	696	776
SECOND FLOOR												700	7534.8	783	8428.212		1038	700	-338	783
PH-03-01	109 (+3)	118	1270	Y	3B6P	5	N	SR	8	18	Balcony/Roof Terrace						118			
PH-03-02	102 (+3)	114	1227	Y	3B5P	5	N	SR	8	17	Balcony/Roof Terrace						114			
PH-03-03	109 (+3)	118	1270	Y	3B6P	5	N	SR	8	18	Balcony/Roof Terrace						101			
PH-03-04	109 (+3)	118	1270	Y	3B6P	5	N	SR	8	21	Balcony/Roof Terrace						101			
PH-03-05	109 (+3)	118	1270	Y	3B6P	5	N	SR	8	18	Balcony/Roof Terrace						101			
PH-03-06	109 (+3)	118	1270	Y	3B6P	5	N	SR	8	20	Balcony/Roof Terrace						101			
PH-03-07	109 (+3)	118	1270	Y	3B6P	5	N	SR	8	18	Balcony/Roof Terrace						101			
PH-03-08	102 (+3)	114	1227	Y	3B5P	5	N	SR	8	17	Balcony/Roof Terrace						101			
PH-03-09	109 (+3)	118	1270	Y	3B6P	5	N	SR	8	18	Balcony/Roof Terrace						96			
PH-03-10	109 (+3)	118	1270	Y	3B6P	5	N	SR	8	21	Balcony/Roof Terrace						104			
THIRD FLOOR												475	5112.9	549	5909.436		0	475	475	549
FOURTH FLOOR												232	4037	309			0	232	232	309
ROOF												0		788	8482.032					

SUMMARY - PLOT H								
TOTAL RESIDENTIAL N/A Flat				TOTAL HABITABLE ROOMS	TOTAL EN-SUITE	TOTAL N/A	TOTAL GIA (sq.m)	TOTAL GIA (sq.ft)
2276	24499			98	0		2750	31140
							20.83%	

Tenure	No.
PR	
INT	
SR	20
TOTAL	20

TENURE KEY	
PR - Private	
SR - Social Rent	
INT - Intermediate	
W/A - Wheelchair access	

UNIT SUMMARY	
Studio	
1B2P	
2B3P	
2B4P	
3B5P	4
3B6P	8
4B6P	8
TOTAL	20 SR - Social Rent

DWELLING REFERENCE	LAND TARGET AREA	TOTAL RESIDENTIAL MA-Fit		INCORPORATE DWELLING TYPE	HABITABLE ROOMS	ON-SITE	TITLE	LAND AMENITY TARGET AREA	AMENITY SPACE	AMENITY SPACE TYPE	TOTAL GEA		TOTAL GEA					
Plot/Land/Unit	sq.m	sq.m	sq.ft	dbp				sq.m	sq.m		sq.m	sq.ft	sq.m	sq.ft	NA	GA	Communal area sq.m	GEA
SECOND FLOOR											513		670	7211.88				
P1-00-01	N/A (CWA)	127	1367	Y	182P	4	N	SR WCA	18	18								
P1-00-02	N/A (CWA)	87	935	Y	182P	2	N	SR WCA	5	5								
P1-00-03	N/A (CWA)	79	850	Y	182P	2	N	SR WCA	5	5								
P1-00-04	50 (+3)	55	592	Y	182P	2	N	SR	5	5								
P1-00-05	50 (+3)	65	700	Y	182P	2	N	SR	5	7								
P1-00-06	83 (+3)	88	947	Y	284P	3	N	INT	6	12								
P1-00-07	51 (+3)	58	647	Y	284P	3	N	INT	6	12								
FIRST FLOOR											581	6233.894	622	6695.208				
P1-01-01	50 (+3)	51	549	Y	182P	2	N	INT	5	5								
P1-01-02	70 (+3)	72	775	Y	284P	3	N	INT	6	11								
P1-01-03	70 (+3)	73	786	Y	284P	3	N	INT	6	10								
P1-01-04	50 (+3)	57	614	Y	182P	2	N	INT	5	8								
P1-01-05	50 (+3)	52	560	Y	182P	2	N	INT	5	8								
SECOND FLOOR											581	6361.524	639	6876.196				
P1-02-01	61 (+3)	63	678	Y	283P	3	N	INT	6	8								
P1-02-02	50 (+3)	51	549	Y	182P	2	N	INT	5	5								
P1-02-03	70 (+3)	72	775	Y	284P	3	N	INT	6	11								
P1-02-04	70 (+3)	73	786	Y	284P	3	N	INT	6	10								
P1-02-05	50 (+3)	57	614	Y	182P	2	N	INT	5	8								
P1-02-06	50 (+3)	52	560	Y	182P	2	N	INT	5	8								
P1-02-07	50 (+3)	58	624	Y	182P	2	N	INT	5	10								
P1-02-08	50 (+3)	54	581	Y	182P	2	N	INT	5	9								
THIRD FLOOR											468	5016.024	519	5521.992				
P1-03-01	61 (+3)	63	678	Y	283P	3	N	INT	6	10								
P1-03-02	50 (+3)	54	581	Y	182P	2	N	INT	5	10								
P1-03-03	70 (+3)	72	775	Y	284P	3	N	INT	7	10								
P1-03-04	61 (+3)	63	678	Y	283P	3	N	INT	6	10								
P1-03-05	70 (+3)	72	775	Y	284P	3	N	INT	7	10								
P1-03-06	50 (+3)	54	581	Y	182P	2	N	INT	5	10								
FOURTH FLOOR											468	5016.024	519	5521.992				
P1-04-01	61 (+3)	63	678	Y	283P	3	N	INT	6	10								
P1-04-02	50 (+3)	54	581	Y	182P	2	N	INT	5	10								
P1-04-03	70 (+3)	72	775	Y	284P	3	N	INT	7	10								
P1-04-04	61 (+3)	63	678	Y	283P	3	N	INT	6	10								
P1-04-05	70 (+3)	72	775	Y	284P	3	N	INT	7	10								
P1-04-06	50 (+3)	54	581	Y	182P	2	N	INT	5	10								
FIFTH FLOOR											464	4984.496	520	5587.28				
P1-05-01	50 (+3)	63	678	Y	182P	2	N	INT	5	6								
P1-05-02	50 (+3)	56	603	Y	182P	2	N	INT	5	5								
P1-05-03	50 (+3)	68	732	Y	182P	2	N	INT	5	9								
P1-05-04	50 (+3)	63	678	Y	182P	2	N	INT	5	6								
P1-05-05	56 (+3)	56	603	Y	182P	2	N	INT	5	6								
P1-05-06	50 (+3)	58	732	Y	182P	2	N	INT	5	8								
ROOF													0	0				

SUMMARY - PLOT 1				TOTAL HABITABLE ROOMS	TOTAL ON-SITE	TOTAL NA	TOTAL GEA (sq.m)	TOTAL GEA (sq.ft)
TOTAL RESIDENTIAL MA-Fit				93	0	1	3181	34240
	2499	2499					27.29%	

Types	No.
PR	18
SR	5
TOTAL	18

TITLE KEY	
PR	Private
SR	Social Rent
INT	Intermediate
W&L	Wheelchair Access

UNIT SUMMARY	
Size	
182P	22
284P	5
284P	10
182P	1
TOTAL	38

2499	3181	682	3477
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DWELLING REFERENCE	LHDG TARGET AREA	TOTAL RESIDENTIAL N/A-Flat	DWELLING TYPE	HABITABLE ROOMS	EN-SUITE	TENURE	LHDG AMENITY TARGET AREA	AMENITY SPACE	AMENITY SPACE TYPE	TOTAL G/A	TOTAL GEA	
Plot-Level Unit	sq.m	sq.m	sq.ft	xBoP			sq.m	sq.m		sq.m	sq.ft	
PRST FLOOR										1366	14698	
PJKL-00-01-MAISONETTE	83	94	1011	2B4P	3	1	PR	7	TBC	Ground	1465	15770
PJKL-00-02-MAISONETTE	83	94	1009	2B4P	3	1	PR	7	TBC	Ground		
PJKL-00-03-MAISONETTE	83	104	1121	2B4P	3	1	PR	7	TBC	Ground		
PJKL-00-04-MAISONETTE	83	102	1101	2B4P	3	1	PR	7	TBC	Ground		
PJKL-00-05-MAISONETTE	83	89	957	2B4P	3	1	PR	7	TBC	Ground		
PJKL-00-06-MAISONETTE	83	89	957	2B4P	3	1	PR	7	TBC	Ground		
PJKL-00-07-MAISONETTE	83	89	957	2B4P	3	1	PR	7	TBC	Ground		
PJKL-00-08-MAISONETTE	83	89	957	2B4P	3	1	PR	7	TBC	Ground		
PJKL-00-09-MAISONETTE	83	89	957	2B4P	3	1	PR	7	TBC	Ground		
PJKL-00-10-MAISONETTE	83	89	959	2B4P	3	1	PR	7	TBC	Ground		
PJKL-00-11-MAISONETTE	83	89	959	2B4P	3	1	PR	7	TBC	Ground		
PJKL-00-12-MAISONETTE	83	89	959	2B4P	3	1	PR	7	TBC	Ground		
PJKL-00-13-MAISONETTE	83	89	961	2B4P	3	1	PR	7	TBC	Ground		
PJKL-00-14-MAISONETTE	83	89	959	2B4P	3	1	PR	7	TBC	Ground		
PJKL-00-15-MAISONETTE	83	89	959	2B4P	3	1	PR	7	TBC	Ground		
PJKL-00-16-MAISONETTE	96	118	1274	3B5P	5	1	PR	8	TBC	Ground		
PJKL-00-17-MAISONETTE	103	137	1473	3B6P	5	1	PR	9	TBC	Ground		
PJKL-00-18-MAISONETTE	83	91	983	2B4P	3	1	PR	7	TBC	Ground		
PRST FLOOR										1379	14841	
PJKL-01-01	70	73	789	2B4P	3	1	PR	7	Balcony		1491	16052
SECOND FLOOR										1354	14571	
PJKL-02-01	50	52	564	1B2P	2	N	PR	5	Balcony		1495	16091
PJKL-02-02	50	53	570	1B2P	2	N	PR	5	Balcony			
PJKL-02-03	50	57	609	1B2P	2	N	PR WCA	5	Balcony			
PJKL-02-04	50	53	590	1B2P	2	N	PR	5	Balcony			
PJKL-02-05	50	54	580	1B2P	2	N	PR	5	Balcony			
PJKL-02-06	70	71	750	2B4P	3	1	PR	5	Balcony			
PJKL-02-07	70	71	769	2B4P	3	1	PR	7	Balcony			
PJKL-02-08	37	37	398	1B1P	1	N	PR	4	Balcony			
PJKL-02-09	50	55	594	1B2P	2	N	PR	5	Balcony			
PJKL-02-10	86	104	1122	3B5P	4	1	PR WCA	8	Balcony			
PJKL-02-11	50	61	652	1B2P	2	N	PR WCA	5	Balcony			
PJKL-02-12	70	77	825	2B4P	3	1	PR	7	Balcony			
PJKL-02-13	70	71	769	2B4P	3	1	PR	7	Balcony			
PJKL-02-14	86	88	946	3B5P	4	1	PR	8	Balcony			
PJKL-02-15	50	54	579	1B2P	2	N	PR	5	Balcony			
PJKL-02-16	50	54	576	1B2P	2	N	PR	5	Balcony			
PJKL-02-17	50	53	569	1B2P	2	N	PR	5	Balcony			
THIRD FLOOR										882	9491	
PJKL-03-01	50	52	564	1B2P	2	N	PR	5	Balcony		1470	15818
PJKL-03-02	50	53	570	1B2P	2	N	PR	5</				

			Communal Areas	
	NIA	GIA		GEA
	1,491.90	1,577.60	86.30	1,710.40
90				
90				
90				
90				
90				
125				
90				
91				
90				
90				
90				
107				
88				
90				
90				
	76.60	1,532.20	1,453.60	1,668.70
79	1,107.20	1,584.10	476.90	1,725.30
51				
79				
73				
53				
57				
53				
72				
69				
55				
60				
54				
55				
75				
105				
88				
54				
54				
	1,071.20	1,549.80	478.60	1,695.70
51				
79				
73				
52				
57				
51.90				
65				
61				
55				
59				
55				
55				
66				
95				
88				
54				
54				
	679.40	1,109.70	430.30	1,252.00
59				
52				
57				
79				
61				
73				
92				
99				
54				
	473.60	698.70	225.10	783.50
59				
52				
57				
79				
61				
73				
93				
			98.30	125.30
	4,901.30	8,052.10	3,150.80	8,815.60

<b>Tenure</b>	<b>No.</b>
<b>PR</b>	<b>73</b>
<b>INT</b>	
<b>SR</b>	
<b>TOTAL</b>	<b>73</b>

<b>TENURE KEY</b>
<b>PR - Private</b>
<b>SR - Social Rent</b>
<b>INT - Intermediate</b>
<b>WA - Wheelchair access</b>

UNIT SUMMARY	
Studio	4
183P	29
283P	5
284P	27
383P	5
384P	5
TOTAL	73 PR - Private

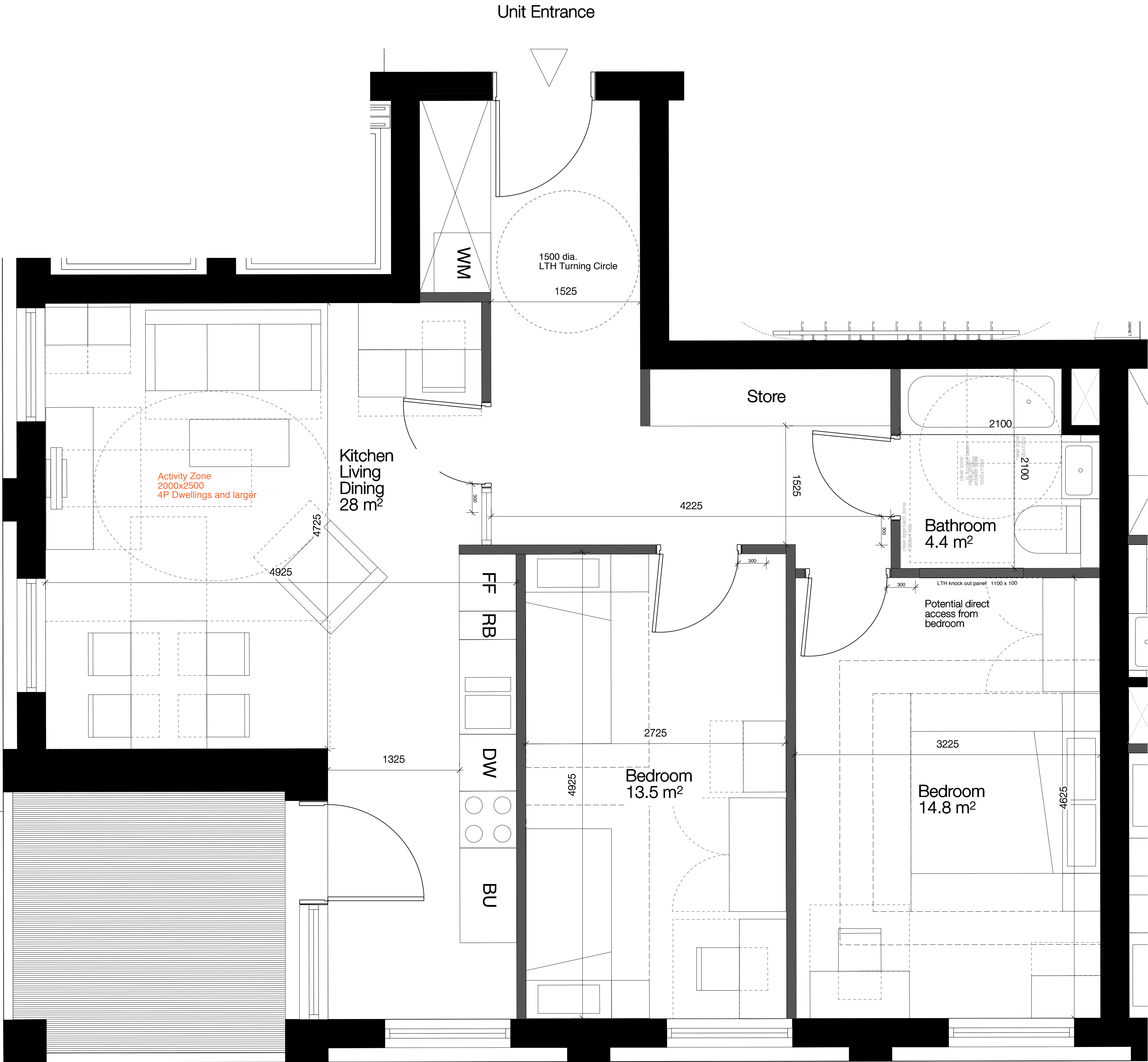
Lulworth Refurbishment

DWELLING REFERENCE	LONDON PLAN TARGET AREA	TOTAL RESIDENTIAL		DWELLING TYPE	HABITABLE ROOMS	EN-SUITE	TENURE	LDG AMENITY TARGET AREA	AMENITY SPACE	AMENITY SPACE TYPE	TOTAL GIA	TOTAL GEA
Plot/Level/Unit	sq.m	sq.m	sq.ft	>B&P				sq.m	sq.m		Per Floor	Per Floor
BASEMENT**	0	0	0					0	0		535	5759
GROUND FLOOR*											580	6248
PLUL-00-01	50	61	660	1B2P	1	N	PR	5	14	Terrace	691	7436
PLUL-00-02	50	82	886	1B2P	2	N	PR	5	14	Terrace		
PLUL-00-03	50	64	692	1B2P	1	N	PR	5	14	Terrace		
PLUL-00-04	50	58	624	1B2P	1	N	PR	5	14	Terrace	744	8008
FIRST FLOOR											798	8590
PLUL-01-01	70	96	1037	2B4P	3	Y	PR	7	28	Balcony/Winter Garden		
PLUL-01-02	50	67	717	1B2P	2	N	INT	5	10	Balcony/Winter Garden		
PLUL-01-03	50	66	714	1B2P	2	N	INT	5	10	Balcony/Winter Garden		
PLUL-01-04	70	78	841	2B4P	3	Y	PR	7	12	Balcony/Winter Garden		
PLUL-01-05	70	79	847	2B4P	3	Y	PR	7	26	Balcony/Winter Garden		
PLUL-01-06	50	68	733	1B2P	2	N	INT WA	5	10	Balcony/Winter Garden		
PLUL-01-07	37	44	474	STUDIO	1	N	INT	4	7	Balcony/Winter Garden		
PLUL-01-08	70	79	848	2B4P	3	Y	PR	7	11	Balcony/Winter Garden	744	8008
SECOND FLOOR											798	8590
PLUL-02-01	70	96	1037	2B4P	3	Y	PR	7	28	Balcony/Winter Garden		
PLUL-02-02	50	67	717	1B2P	2	N	PR	5	10	Balcony/Winter Garden		
PLUL-02-03	50	66	714	1B2P	2	N	PR	5	10	Balcony/Winter Garden		
PLUL-02-04	70	78	841	2B4P	3	Y	PR	7	12	Balcony/Winter Garden		
PLUL-02-05	70	79	847	2B4P	3	Y	PR	7	26	Balcony/Winter Garden		
PLUL-02-06	50	68	733	1B2P	2	N	PR WA	5	10	Balcony/Winter Garden		
PLUL-02-07	37	44	474	STUDIO	1	N	PR	4	7	Balcony/Winter Garden		
PLUL-02-08	70	79	848	2B4P	3	Y	PR	7	11	Balcony/Winter Garden	744	8008
THIRD FLOOR											798	8590
PLUL-03-01	70	96	1037	2B4P	3	Y	PR	7	28	Balcony/Winter Garden		
PLUL-03-02	50	67	717	1B2P	2	N	PR	5	10	Balcony/Winter Garden		
PLUL-03-03	50	66	714	1B2P	2	N	PR	5	10	Balcony/Winter Garden		
PLUL-03-04	70	78	841	2B4P	3	Y	PR	7	12	Balcony/Winter Garden		
PLUL-03-05	70	79	847	2B4P	3	Y	PR	7	26	Balcony/Winter Garden		
PLUL-03-06	50	68	733	1B2P	2	N	PR WA	5	10	Balcony/Winter Garden		
PLUL-03-07	37	44	474	STUDIO	1	N	PR	4	7	Balcony/Winter Garden		
PLUL-03-08	70	79	848	2B4P	3	Y	PR	7	11	Balcony/Winter Garden	744	8008
FOURTH FLOOR											798	8590
PLUL-04-01	70	96	1037	2B4P	3	Y	PR	7	28	Balcony/Winter Garden		
PLUL-04-02	50	67	717	1B2P	2	N	PR	5	10	Balcony/Winter Garden		
PLUL-04-03	50	66	714	1B2P	2	N	PR	5	10	Balcony/Winter Garden		
PLUL-04-04	70	78	841	2B4P	3	Y	PR	7	12	Balcony/Winter Garden		
PLUL-04-05	70	79	847	2B4P	3	Y	PR	7	26	Balcony/Winter Garden		
PLUL-04-06	50	68	733	1B2P	2	N	PR WA	5	10	Balcony/Winter Garden		
PLUL-04-07	37	44	474	STUDIO	1	N	PR	4	7	Balcony/Winter Garden		
PLUL-04-08	70	79	848	2B4P	3	Y	PR	7	11	Balcony/Winter Garden	744	8008
FIFTH FLOOR											798	8590
PLUL-05-01	70	96	1037	2B4P	3	Y	PR	7	28	Balcony/Winter Garden		
PLUL-05-02	50	67	717	1B2P	2	N	PR	5	10	Balcony/Winter Garden		
PLUL-05-03	50	66	714	1B2P	2	N	PR	5	10	Balcony/Winter Garden		
PLUL-05-04	70	78	841	2B4P	3	Y	PR	7	12	Balcony/Winter Garden		
PLUL-05-05	70	79	847	2B4P	3	Y	PR	7	26	Balcony/Winter Garden		
PLUL-05-06	50	68	733	1B2P	2	N	PR WA	5	10	Balcony/Winter Garden		
PLUL-05-07	37	44	474	STUDIO	1	N	PR	4	7	Balcony/Winter Garden		
PLUL-05-08	70	79	848	2B4P	3	Y	PR	7	11	Balcony/Winter Garden	744	8008
SIXTH FLOOR											798	8590
PLUL-06-01	70	96	1037	2B4P	3	Y	PR	7	28	Balcony/Winter Garden		
PLUL-06-02	50	67	717	1B2P	2	N	PR	5	10	Balcony/Winter Garden		
PLUL-06-03	50	66	714	1B2P	2	N	PR	5	10	Balcony/Winter Garden		
PLUL-06-04	70	78	841	2B4P	3	Y	PR	7	12	Balcony/Winter Garden		
PLUL-06-05	70	79	847	2B4P	3	Y	PR	7	26	Balcony/Winter Garden		
PLUL-06-06	50	68	733	1B2P	2	N	PR WA	5	10	Balcony/Winter Garden		
PLUL-06-07	37	44	474	STUDIO	1	N	PR	4	7	Balcony/Winter Garden		
PLUL-06-08	70	79	848	2B4P	3	Y	PR	7	11	Balcony/Winter Garden	744	8008
SEVENTH FLOOR											798	8590
PLUL-07-01	70	96	1037	2B4P	3	Y	PR	7	28	Balcony/Winter Garden		
PLUL-07-02	50	67	717	1B2P	2	N	PR	5	10	Balcony/Winter Garden		
PLUL-07-03	50	66	714	1B2P	2	N	PR	5	10	Balcony/Winter Garden		
PLUL-07-04	70	78	841	2B4P	3	Y	PR	7	12	Balcony/Winter Garden		
PLUL-07-05	70	79	847	2B4P	3	Y	PR	7	26	Balcony/Winter Garden		
PLUL-07-06	50	68	733	1B2P	2	N	PR WA	5	10	Balcony/Winter Garden		
PLUL-07-07	37	44	474	STUDIO	1	N	PR	4	7	Balcony/Winter Garden		
PLUL-07-08	70	79	848	2B4P	3	Y	PR	7	11	Balcony/Winter Garden	744	8008
EIGHTH FLOOR											798	8590
PLUL-08-01	70	96	1037	2B4P	3	Y	PR	7	28	Balcony/Winter Garden		
PLUL-08-02	50	67	717	1B2P	2	N	PR	5	10	Balcony/Winter Garden		
PLUL-08-03	50	66	714	1B2P	2	N	PR	5	10	Balcony/Winter Garden		
PLUL-08-04	70	78	841	2B4P	3	Y	PR	7	12	Balcony/Winter Garden		
PLUL-08-05	70	79	847	2B4P	3	Y	PR	7	26	Balcony/Winter Garden		
PLUL-08-06	50	68	733	1B2P	2	N	PR WA	5	10	Balcony/Winter Garden		
PLUL-08-07	37	44	474	STUDIO	1	N	PR	4	7	Balcony/Winter Garden		
PLUL-08-08	70	79	848	2B4P	3	Y	PR	7	11	Balcony/Winter Garden	744	8008
NINTH FLOOR											798	8590
PLUL-09-01	70	96	1037	2B4P	3	Y	PR	7	28	Balcony/Winter Garden		
PLUL-09-02	50	67	717	1B2P	2	N	PR	5	10	Balcony/Winter Garden		
PLUL-09-03	50	66	714	1B2P	2	N	PR	5	10	Balcony/Winter Garden		
PLUL-09-04	70	78	841	2B4P	3	Y	PR	7	12	Balcony/Winter Garden		
PLUL-09-05	70	79	847	2B4P	3	Y	PR	7	26	Balcony/Winter Garden		
PLUL-09-06	50	68	733	1B2P	2	N	PR WA	5	10	Balcony/Winter Garden		
PLUL-09-07	37	44	474	STUDIO	1	N	PR	4	7	Balcony/Winter Garden		
PLUL-09-08	70	79	848	2B4P	3	Y	PR	7	11	Balcony/Winter Garden	744	8008
TENTH FLOOR											798	8590
PLUL-10-01	70	96	1037	2B4P	3	Y	PR	7	28	Balcony/Winter Garden		
PLUL-10-02	50	67	717	1B2P	2	N	PR	5	10	Balcony/Winter Garden		
PLUL-10-03	50	66	714	1B2P	2	N	PR	5	10	Balcony/Winter Garden		
PLUL-10-04	70	78	841	2B4P	3	Y	PR	7	12	Balcony/Winter Garden		
PLUL-10-05	70	79	847	2B4P	3	Y	PR	7	26	Balcony/Winter Garden		
PLUL-10-06	50	68	733	1B2P	2	N	PR WA	5	10	Balcony/Winter Garden		
PLUL-10-07	37	44	474	STUDIO	1	N	PR	4	7	Balcony/Winter Garden		
PLUL-10-08	70	79	848	2B4P	3	Y	PR	7	11	Balcony/Winter Garden	744	8008
ELEVENTH FLOOR											798	8590
PLUL-11-01	70	96	1037	2B4P	3	Y	PR	7	28	Balcony/Winter Garden		
PLUL-11-02	50	67	717	1B2P	2	N	PR	5	10	Balcony/Winter Garden		
PLUL-11-03	50	66	714	1B2P	2	N	PR	5	10	Balcony/Winter Garden		
PLUL-11-04	70	78	841	2B4P	3	Y	PR	7	12	Balcony/Winter Garden		
PLUL-11-05	70	79	847	2B4P	3	Y	PR	7	26	Balcony/Winter Garden		
PLUL-11-06	50	68	733	1B2P	2	N	PR WA	5	10	Balcony/Winter Garden		
PLUL-11-07	37	44	474	STUDIO	1	N	PR	4	7	Balcony/Winter Garden		
PLUL-11-08	70	79	848	2B4P	3	Y	PR	7	11	Balcony/Winter Garden	744	8008
TWELFTH FLOOR											798	8590
PLUL-12-01	70	96	1037	2B4P	3	Y	PR	7	28	Balcony/Winter Garden		
PLUL-12-02	50	67	717	1B2P	2	N	PR	5	10	Balcony/Winter Garden		
PLUL-12-03	50	66	714	1B2P	2	N	PR	5	10	Balcony/Winter Garden		
PLUL-12-04	70	78	841	2B4P	3	Y	PR	7	12	Balcony/Winter Garden		
PLUL-12-05	70	79	847	2B4P	3	Y	PR	7	26	Balcony/Winter Garden		
PLUL-12-06	50	68	733	1B2P	2	N	PR WA	5	10	Balcony/Winter Garden		
PLUL-12-07	37	44	474	STUDIO	1	N	PR	4	7	Balcony/Winter Garden		
PLUL-12-08	70	79	848	2B4P	3	Y	PR	7	11	Balcony/Winter Garden	744	8008
THIRTEENTH FLOOR											798	8590
PLUL-13-01	70	96	1037	2B4P	3	Y	PR	7	28	Balcony/Winter Garden		
PLUL-13-02	50	67	717	1B2P	2	N	PR	5	10	Balcony/Winter Garden		
PLUL-13-03	50	66	714	1B2P	2	N	PR	5	10	Balcony/Winter Garden		
PLUL-13-04	70	78	841	2B4P	3	Y	PR	7	12	Balcony/Winter Garden		
PLUL-13-05	70	79	847	2B4P	3	Y	PR	7	26	Balcony/Winter Garden		
PLUL-13-06	50	68	733	1B2P	2	N	PR WA	5	10	Balcony/Winter Garden		
PLUL-13-07	37	44	474	STUDIO	1	N	PR	4	7	Balcony/Winter Garden		
PLUL-13-08	70	79	848	2B4P	3	Y	PR	7	11	Balcony/Winter Garden	744	8008
FOURTEENTH FLOOR											798	8590
PLUL-14-01	70	96	1037	2B4P	3	Y	PR	7	28	Balcony/Winter Garden		
PLUL-14-02	50	67	717	1B2P	2	N	PR	5	10	Balcony/Winter Garden		
PLUL-14-03	50	66	714	1B2P	2	N	PR	5	10	Balcony/Winter Garden		
PLUL-14-04	70	78	841	2B4P	3	Y	PR	7	12	Balcony/Winter Garden		

Type 03  
2B 4P

Units:  
P-B2-02-05, P-B2-03-05, P-B2-04-05, P-B2-05-05, P-B2-06-05, P-B2-07-05, P-B2-08-05, P-B2-09-05, P-B2-10-05, P-B2-11-05

GIA  
77sqm

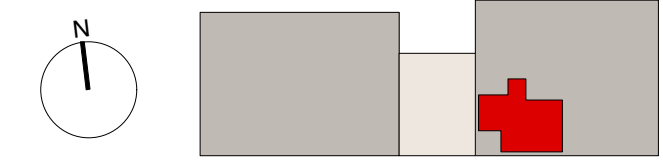


LIFETIME HOMES CHECKLIST		
1	Parking	
2	Approach to dwelling from parking	
3	Approach to all entrances	
4	Entrances	
5	Communal stairs and lifts	
6	Internal doorways and hallways	
7	Circulation space	
8	Entrance level living space	
9	Potential for entrance level bed space	
10	Entrance level WC and shower drainage	
11	WC and bathroom walls	
12	Stairs and potential through floor lift in dwelling	
13	A potential for fitting hoists and bedroom / bathroom	
14	Bathrooms	
15	Glazing and window handle heights	
16	Location of service controls	
NOTE: Checklist applies to information shown on drawing only.		

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Note:  
All dimension are approximate



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Project  
Agar Grove  
Estate Regeneration

Drawing  
Plot B2  
Typical 2B4P

Scale @ A1 @ (A3) 1:25 (1:50)	Date December 2013
Drawn by JW	Checked by AC
Job Number HB1423	Status Planning

Drawing No. & Revision  
1423\_DWG\_PlotB\_00\_302

Type 02  
2B 3P

Units:  
P-B1-02-05, P-B1-03-05, P-B1-04-05, P-B1-05-05, P-B1-06-05

GIA  
62sqm

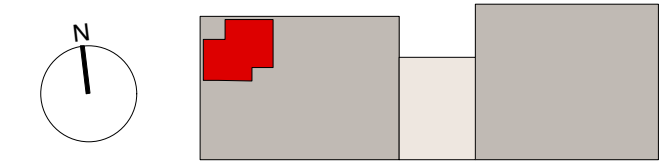


LIFETIME HOMES CHECKLIST		
1	Parking	
2	Approach to dwelling from parking	
3	Approach to all entrances	
4	Entrances	
5	Communal stairs and lifts	
6	Internal doorways and hallways	
7	Circulation space	
8	Entrance level living space	
9	Potential for entrance level bed space	
10	Entrance level WC and shower drainage	
11	WC and bathroom walls	
12	Stairs and potential through floor lift in dwelling	
13	A potential for fitting hoists and bedroom / bathroom	
14	Bathrooms	
15	Glazing and window handle heights	
16	Location of service controls	
NOTE: Checklist applies to information shown on drawing only.		

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Note:  
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Project  
Agar Grove  
Estate Regeneration

Drawing  
Plot B  
Typical 2B3P

Scale @ A1 @ (A3) 1:25 (1:50)	Date December 2013
Drawn by JW	Checked by AC
Job Number HB1423	Status Planning

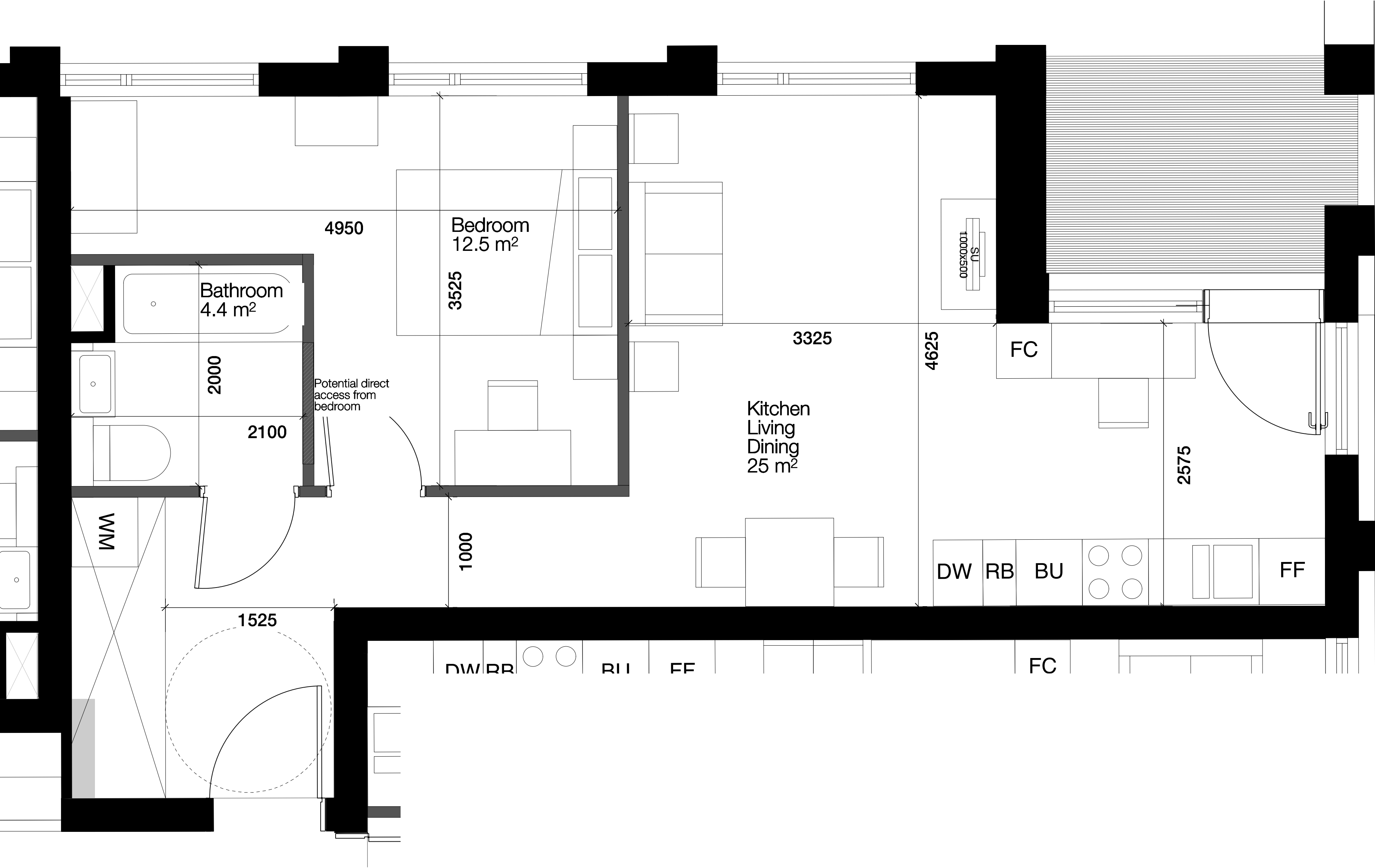
Drawing No. & Revision  
1423\_DWG\_PlotB\_00\_301



Type 01  
1B 2P

Units:  
P-B2-08-02, P-B2-09-02, P-B2-10-02, P-B2-11-02

GIA  
51sqm

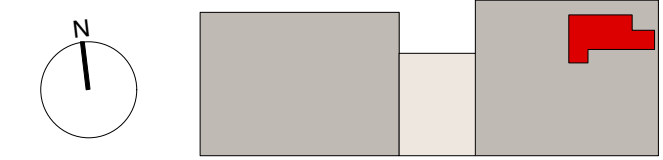


LIFETIME HOMES CHECKLIST		
1	Parking	
2	Approach to dwelling from parking	
3	Approach to all entrances	
4	Entrances	
5	Communal stairs and lifts	
6	Internal doorways and hallways	
7	Circulation space	
8	Entrance level living space	
9	Potential for entrance level bed space	
10	Entrance level WC and shower drainage	
11	WC and bathroom walls	
12	Stairs and potential through floor lift in dwelling	
13	A potential for fitting hoists and bedroom / bathroom	
14	Bathrooms	
15	Glazing and window handle heights	
16	Location of service controls	
NOTE: Checklist applies to information shown on drawing only.		

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Note:  
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Project  
Agar Grove  
Estate Regeneration

Drawing  
Plot B  
Typical 1B2P

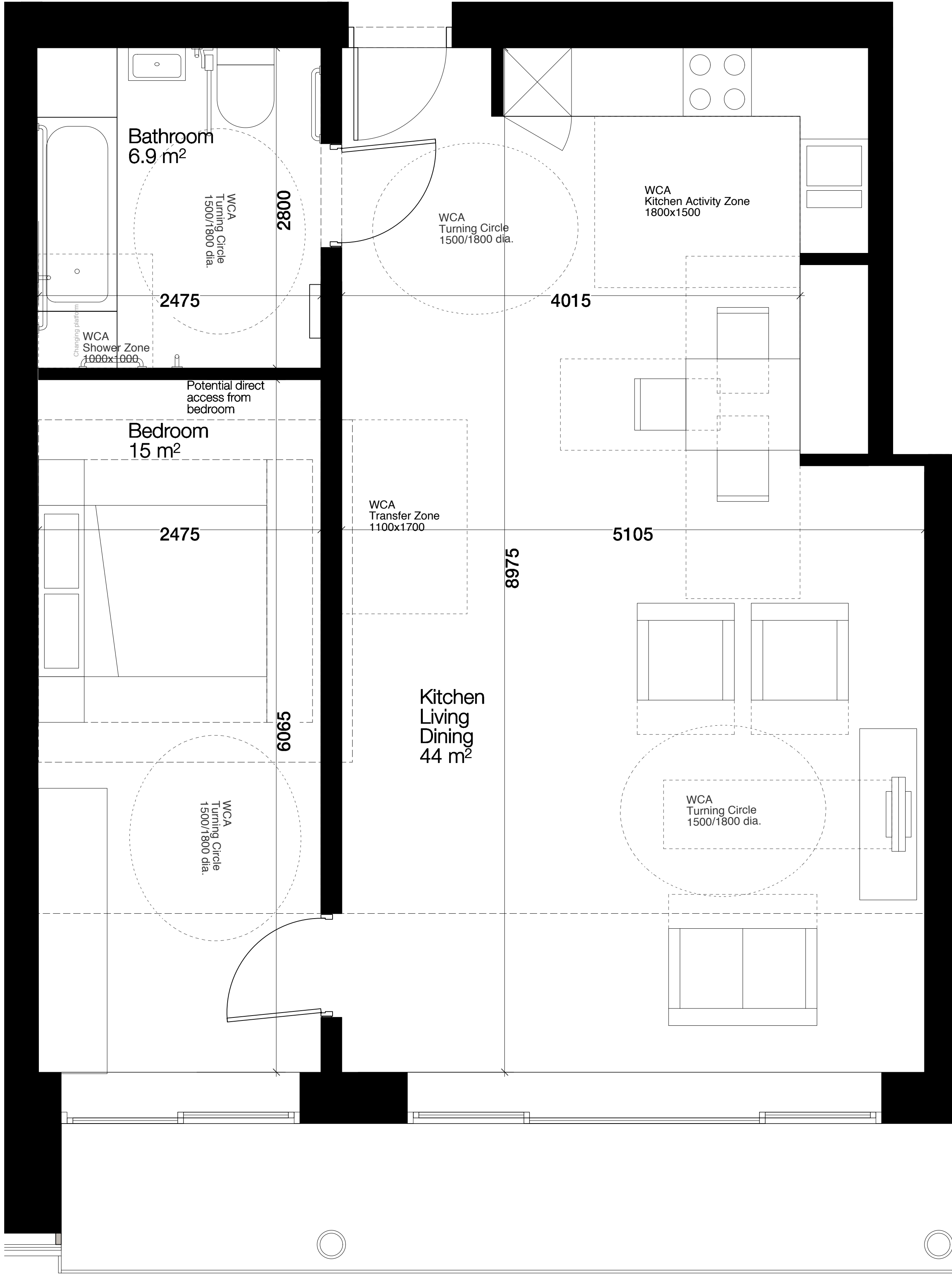
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1:25 (1:50)	December 2013
Drawn by	Checked by
JW	AC
Job Number	Status
HB1423	Planning

Drawing No. & Revision  
1423\_DWG\_PlotB\_00\_300

Type 03  
1B 2P WA

Units:  
P-LUL-01-06, P-LUL-02-06, P-LUL-03-06, P-LUL-04-06, P-LUL-05-06, P-LUL-06-06,  
P-LUL-07-06, P-LUL-08-06, P-LUL-09-06, P-LUL-10-06, P-LUL-11-06, P-LUL-12-06,  
P-LUL-13-06, P-LUL-14-06, P-LUL-15-06

GIA  
44sqm



WHEELCHAIR ACCESSIBLE HOUSING CHECKLIST		
GLA GUIDANCE SEPTEMBER 2007		
1	Moving around outside	N/A
2	Using the outdoor spaces	✓
3	Approaching the home	N/A
4	Negotiating the entrance door	✓
5	Entering and leaving; dealing with callers	✓
6	Negotiating the secondary door	N/A
7	Moving around inside; storing things	✓
8	Moving between levels in a building	N/A
9	Using living spaces	✓
10	Using the kitchen	✓
11	Using the bathroom	✓
12	Using the bedrooms	✓
13	Internal doors	✓
14	Windows	N/A
NOTE: Checklist applies to information shown on drawing only.		

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Revisions

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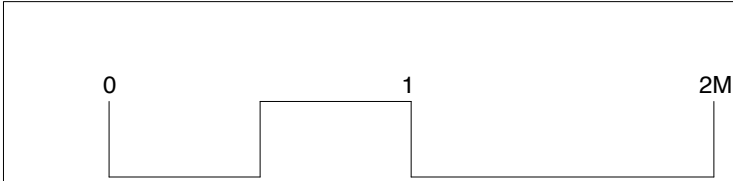
Project  
Agar Grove  
Estate Regeneration

Drawing  
Plot Lulworth  
Flat Type 03

Scale @ A1 @ (A3) 1:50 (1:100)	Date December 2013
Drawn by IC	Checked by SR
Job Number HB1423	Status Planning

Drawing No. & Revision  
1423\_DWG\_PL\_LUL\_00\_302

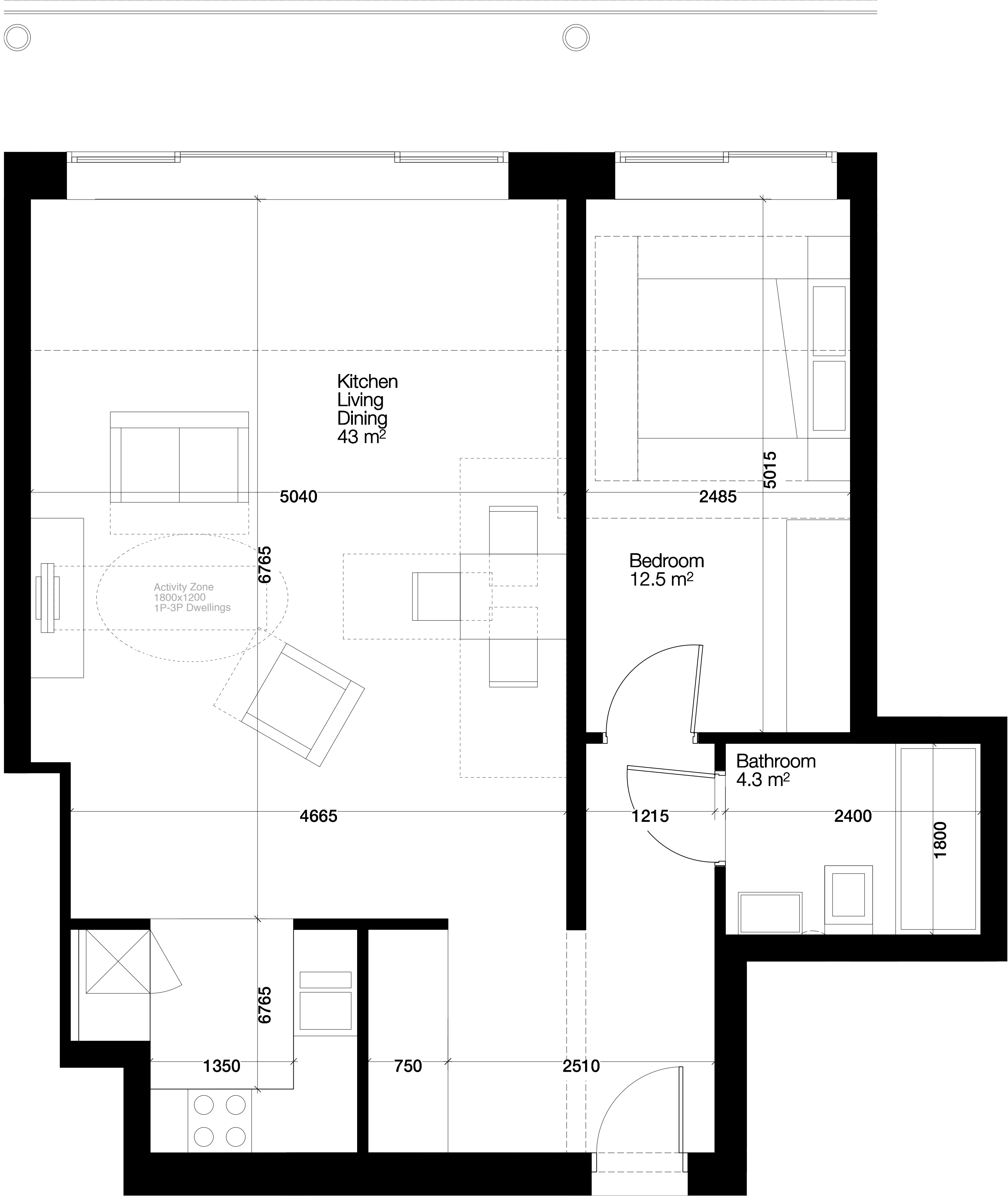
1B2P WA Floor Plan



Type 02  
1B 2P

Units:  
P-LUL-01-02, P-LUL-01-02, P-LUL-02-02, P-LUL-03-02, P-LUL-04-02, P-LUL-05-02,  
P-LUL-06-02, P-LUL-07-02, P-LUL-08-02, P-LUL-09-02, P-LUL-10-02, P-LUL-11-02,  
P-LUL-12-02, P-LUL-13-02, P-LUL-14-02, P-LUL-15-02, P-LUL-16-02, P-LUL-17-02,

GIA  
67sqm



1B2P Floor Plan

LIFETIME HOMES CHECKLIST		
1	Parking	N/A
2	Approach to dwelling from parking	N/A
3	Approach to all entrances	N/A
4	Entrances	N/A
5	Communal stairs and lifts	N/A
6	Internal doorways and hallways	✓
7	Circulation space	✓
8	Entrance level living space	✓
9	Potential for entrance level bed space	✓
10	Entrance level WC and shower drainage	✓
11	WC and bathroom walls	✓
12	Stairs and potential through floor lift in dwelling	✓
13	A potential for fitting hoists and bedroom / bathroom	✓
14	Bathrooms	✓
15	Glazing and window handle heights	N/A
16	Location of service controls	N/A

NOTE:  
Checklist applies to information shown on drawing only.

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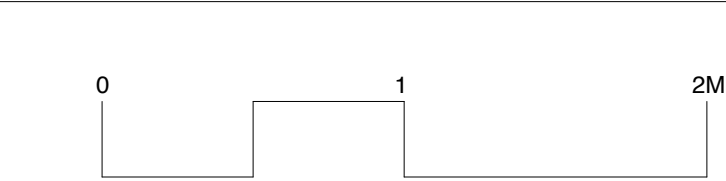
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Project  
Agar Grove  
Estate Regeneration

Drawing  
Plot Lulworth  
Flat Type 02

Scale @ A1 @ (A3) 1:50 (1:100)	Date December 2013
Drawn by IC	Checked by SR
Job Number HB1423	Status Planning

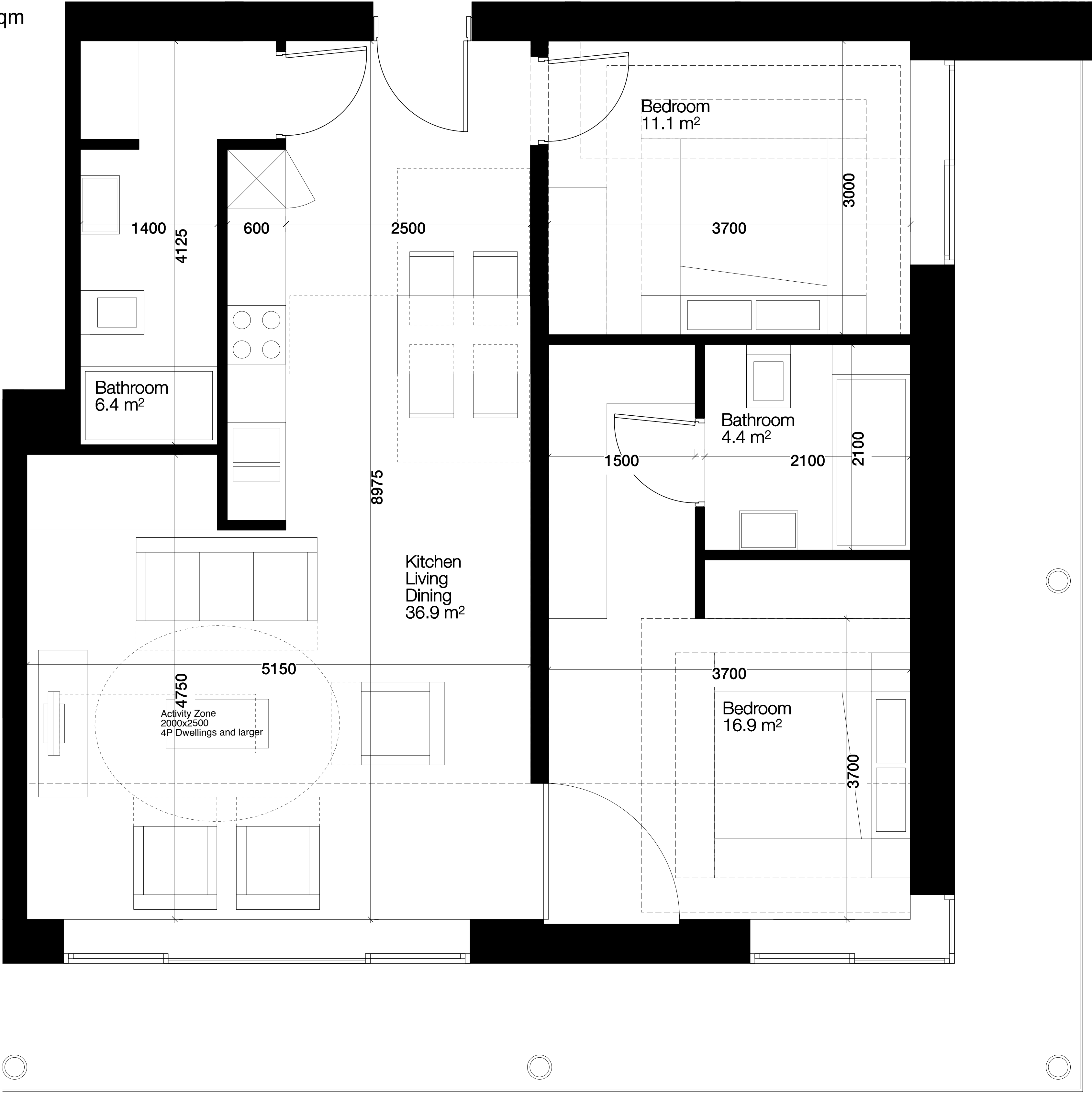
Drawing No. & Revision  
1423\_DWG\_PL\_LUL\_00\_301



Type 01  
2B 4P

Units:  
P-LUL-01-05, P-LUL-02-05, P-LUL-03-05, P-LUL-04-05, P-LUL-05-05, P-LUL-06-05,  
P-LUL-07-05, P-LUL-08-05, P-LUL-09-05, P-LUL-10-05, P-LUL-11-05, P-LUL-12-05,  
P-LUL-13-05, P-LUL-14-05, P-LUL-15-05, P-LUL-16-05, P-LUL-17-05,

GIA  
79sqm



2B4P Floor Plan

LIFETIME HOMES CHECKLIST		
1	Parking	N/A
2	Approach to dwelling from parking	N/A
3	Approach to all entrances	N/A
4	Entrances	N/A
5	Communal stairs and lifts	N/A
6	Internal doorways and hallways	✓
7	Circulation space	✓
8	Entrance level living space	✓
9	Potential for entrance level bed space	✓
10	Entrance level WC and shower drainage	✓
11	WC and bathroom walls	✓
12	Stairs and potential through floor lift in dwelling	✓
13	A potential for fitting hoists and bedroom / bathroom	✓
14	Bathrooms	✓
15	Glazing and window handle heights	N/A
16	Location of service controls	N/A

NOTE:  
Checklist applies to information shown on drawing only.

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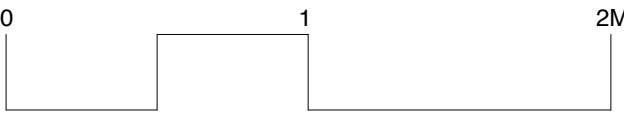
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Project  
Agar Grove  
Estate Regeneration

Drawing  
Plot Lulworth  
Flat Type 01

Scale @ A1 @ (A3)	Date
1:50 (1:100)	December 2013
Drawn by	Checked by
IC	SR
Job Number	Status
HB1423	Planning

Drawing No. & Revision  
1423\_DWG\_PL\_LUL\_00\_300





Type 26  
2B 4P

Units:  
P-JKL-04-05

NIA  
61 m²

WHEELCHAIR ACESIBLE HOUSING CHECKLIST		
GLA GUIDANCE SEPTEMBER 2007		
1	Moving around outside	N/A
2	Using the outdoor spaces	✓
3	Approaching the home	N/A
4	Negotiating the entrance door	✓
5	Entering and leaving; dealing with callers	✓
6	Negotiating the secondary door	N/A
7	Moving around inside; storing things	✓
8	Moving between levels in a building	N/A
9	Using living spaces	✓
10	Using the kitchen	✓
11	Using the bathroom	✓
12	Using the bedrooms	✓
13	Internal doors	✓
14	Windows	N/A
NOTE: Checklist applies to information shown on drawing only.		

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NOTE:

Internal furniture is indicative only

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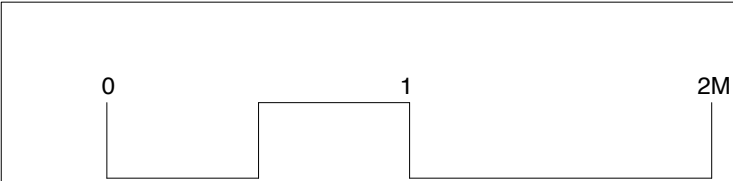
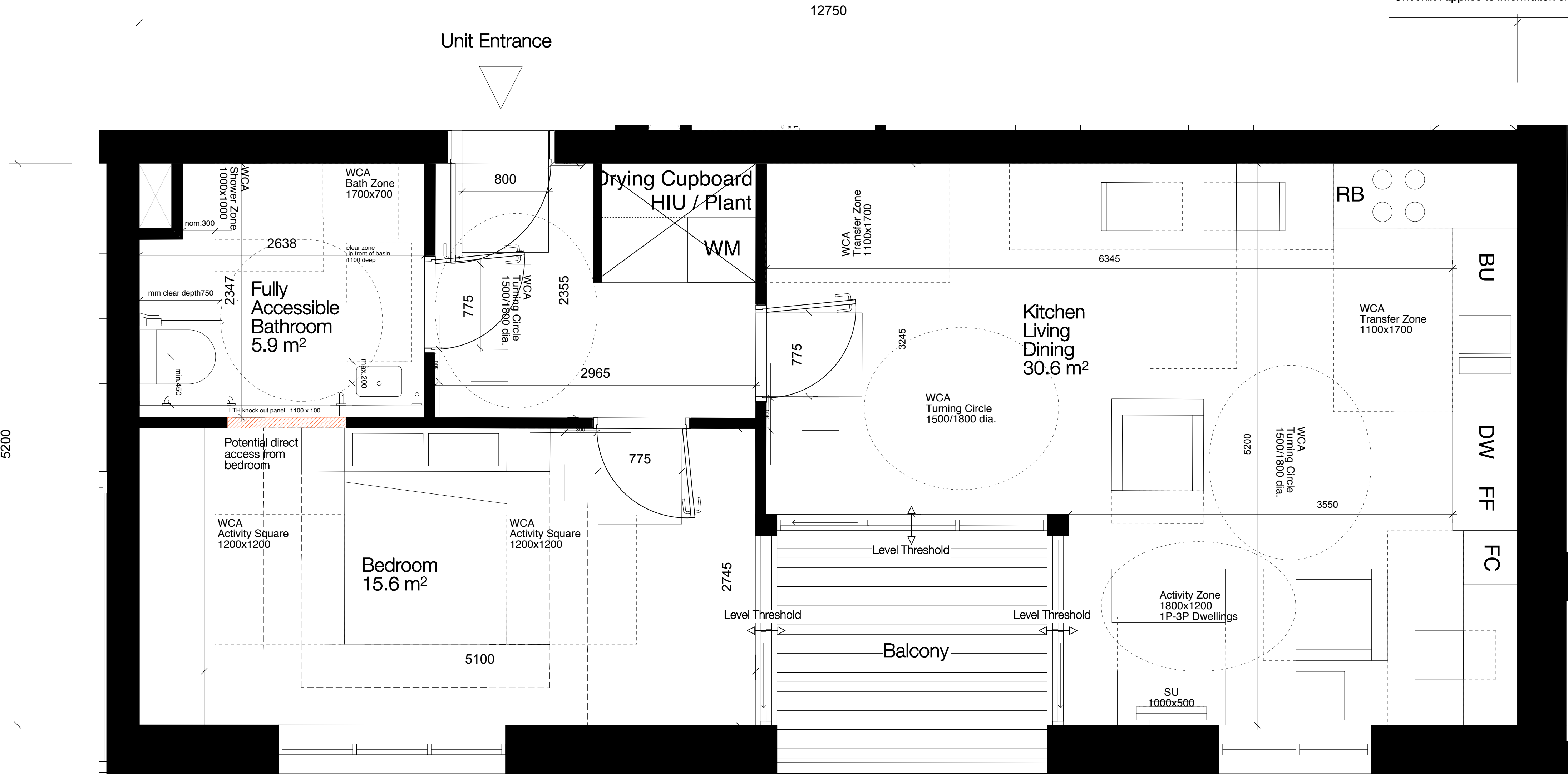
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Project  
Agar Grove  
Estate Regeneration

Drawing  
Plot J K L  
Unit Type 26

Scale @ A1 @ (A3)	Date
1:50@ A3	December 2013
Drawn by	Checked by
EC	EC
Job Number	Status
HB1423	Planning

Drawing No. & Revision  
1423\_DWG\_PL\_JKL\_00\_326



Type 24  
3B 5P

Units:  
P-JKL-03-10

NIA  
93 m<sup>2</sup>

WHEELCHAIR ACESIBLE HOUSING CHECKLIST		
GLA GUIDANCE SEPTEMBER 2007		
1	Moving around outside	N/A
2	Using the outdoor spaces	✓
3	Approaching the home	N/A
4	Negotiating the entrance door	✓
5	Entering and leaving; dealing with callers	✓
6	Negotiating the secondary door	N/A
7	Moving around inside; storing things	✓
8	Moving between levels in a building	N/A
9	Using living spaces	✓
10	Using the kitchen	✓
11	Using the bathroom	✓
12	Using the bedrooms	✓
13	Internal doors	✓
14	Windows	N/A
NOTE: Checklist applies to information shown on drawing only.		



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NOTE:

Internal furniture is indicative only

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Project  
Agar Grove  
Estate Regeneration

Drawing  
Plot J K L  
Unit Type 24

Scale @ A1 @ (A3)	Date
1:50@ A3	December 2013
Drawn by	Checked by
EC	EC
Job Number	Status
HB1423	Planning

Drawing No. & Revision  
1423\_DWG\_PL\_JKL\_00\_324

Type 17  
2B 3P

Units:  
P-JKL-02-11, P-JKL-03-11

NIA  
61 m²

WHEELCHAIR ACESIBLE HOUSING CHECKLIST		
GLA GUIDANCE SEPTEMBER 2007		
1	Moving around outside	N/A
2	Using the outdoor spaces	✓
3	Approaching the home	N/A
4	Negotiating the entrance door	✓
5	Entering and leaving; dealing with callers	✓
6	Negotiating the secondary door	N/A
7	Moving around inside; storing things	✓
8	Moving between levels in a building	N/A
9	Using living spaces	✓
10	Using the kitchen	✓
11	Using the bathroom	✓
12	Using the bedrooms	✓
13	Internal doors	✓
14	Windows	N/A
NOTE:		
Checklist applies to information shown on drawing only.		

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NOTE:

Internal furniture is indicative only



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Project  
Agar Grove  
Estate Regeneration

Drawing  
Plot J K L  
Unit Type 17

Scale @ A1 @ (A3)	Date
1:50@ A3	December 2013
Drawn by	Checked by
EC	EC
Job Number	Status
HB1423	Planning

Drawing No. & Revision  
1423\_DWG\_PL\_JKL\_00\_317



Type 16  
3B 5P

Units:  
P-JKL-02-10

NIA  
104 m²

WHEELCHAIR ACESIBLE HOUSING CHECKLIST		
GLA GUIDANCE SEPTEMBER 2007		
1	Moving around outside	N/A
2	Using the outdoor spaces	✓
3	Approaching the home	N/A
4	Negotiating the entrance door	✓
5	Entering and leaving; dealing with callers	✓
6	Negotiating the secondary door	N/A
7	Moving around inside; storing things	✓
8	Moving between levels in a building	N/A
9	Using living spaces	✓
10	Using the kitchen	✓
11	Using the bathroom	✓
12	Using the bedrooms	✓
13	Internal doors	✓
14	Windows	N/A
NOTE: Checklist applies to information shown on drawing only.		



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NOTE:

Internal furniture is indicative only

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Project

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Estate Regeneration

Drawing

Plot J K L  
Unit Type 16

Scale @ A1 @ (A3)

1:50@ A3

Date

December 2013

Drawn by

EC

Checked by

EC

Job Number

HB1423

Status

Planning

Drawing No. & Revision

1423\_DWG\_PL\_JKL\_00\_316

**Units:**  
P-JKL-02-03, P-JKL-03-03

**NIA**  
57 m<sup>2</sup>

NOTE:  
Checklist applies to information shown on drawing only.

NOTE:  
Internal furniture is indicative only

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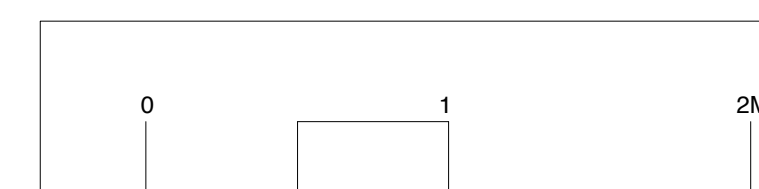
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Project  
Agar Grove  
Estate Regeneration

Drawing  
Plot J K L  
Unit Type 09

Scale 1:50@ A3	Date December 2013
Drawn by EC	Checked by EC
Job Number HB1423	Status Planning

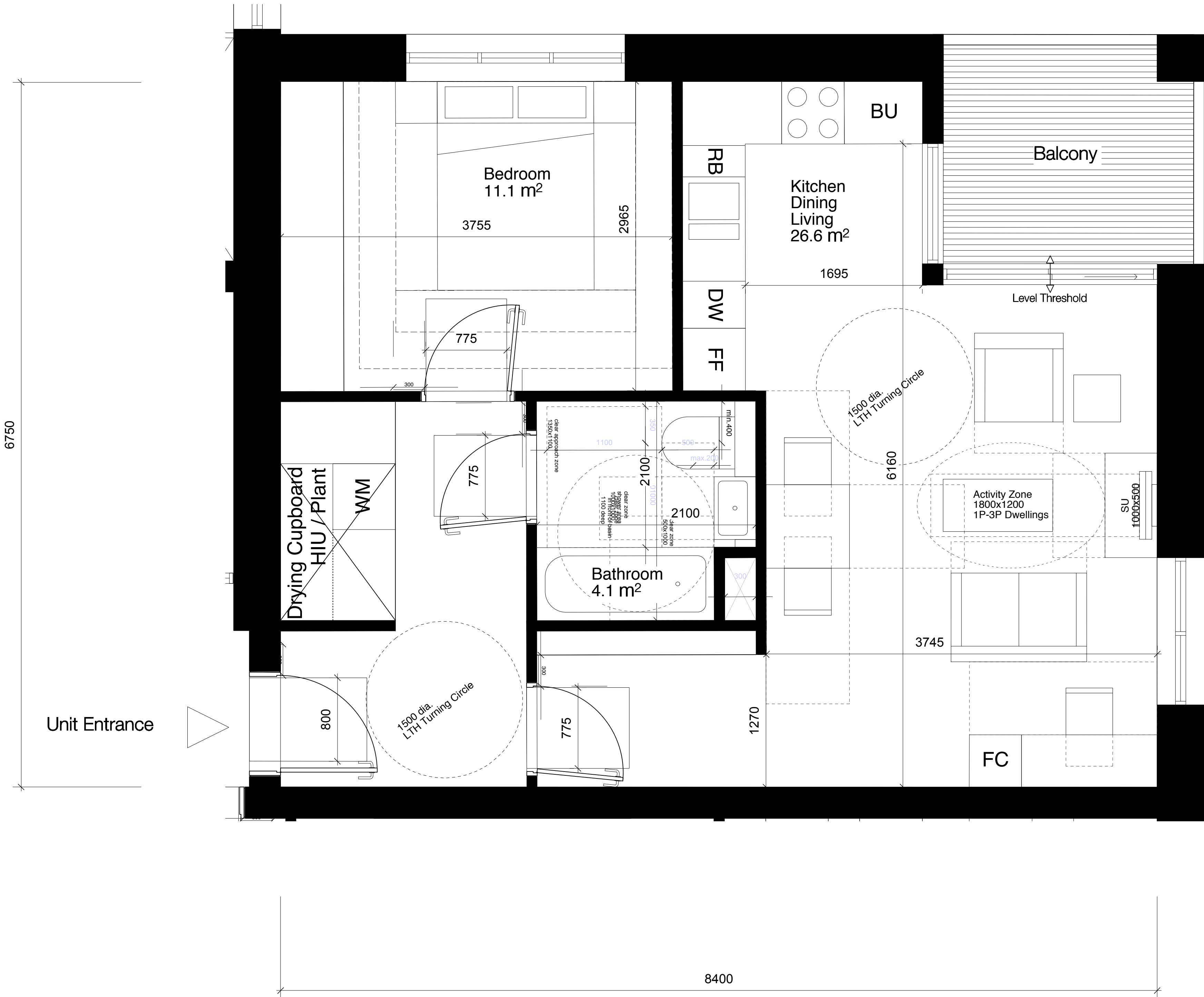
Drawing No. & Revision	
1423_DWG_PL_JKL_00_309	



Type 07  
1B 2P

Units:  
P-JKL-02-01, P-JKL-03-01, P-JKL-04-01

NIA  
52 m²



LIFETIME HOMES CHECKLIST		
1	Parking	N/A
2	Approach to dwelling from parking	N/A
3	Approach to all entrances	N/A
4	Entrances	N/A
5	Communal stairs and lifts	N/A
6	Internal doorways and hallways	✓
7	Circulation space	✓
8	Entrance level living space	✓
9	Potential for entrance level bed space	✓
10	Entrance level WC and shower drainage	✓
11	WC and bathroom walls	✓
12	Stairs and potential through floor lift in dwelling	✓
13	A potential for fitting hoists and bedroom / bathroom	✓
14	Bathrooms	✓
15	Glazing and window handle heights	N/A
16	Location of service controls	N/A
NOTE: Checklist applies to information shown on drawing only.		

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NOTE:  
Internal furniture is indicative only

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Project  
Agar Grove  
Estate Regeneration

Drawing  
Plot J K L  
Unit Type 07

Scale @ A1 @ (A3) 1:50@ A3	Date December 2013
Drawn by EC	Checked by EC
Job Number HB1423	Status Planning

Drawing No. & Revision  
1423\_DWG\_PL\_JKL\_00\_307



Type 01  
2B 4P

Units:

P-JKL-00-01, P-JKL-00-02, P-JKL-00-05,  
P-JKL-00-06, P-JKL-00-07, P-JKL-00-08,  
P-JKL-00-09, P-JKL-00-10, P-JKL-00-11,  
P-JKL-00-12, P-JKL-00-13, P-JKL-00-14,  
P-JKL-00-15, P-JKL-00-18

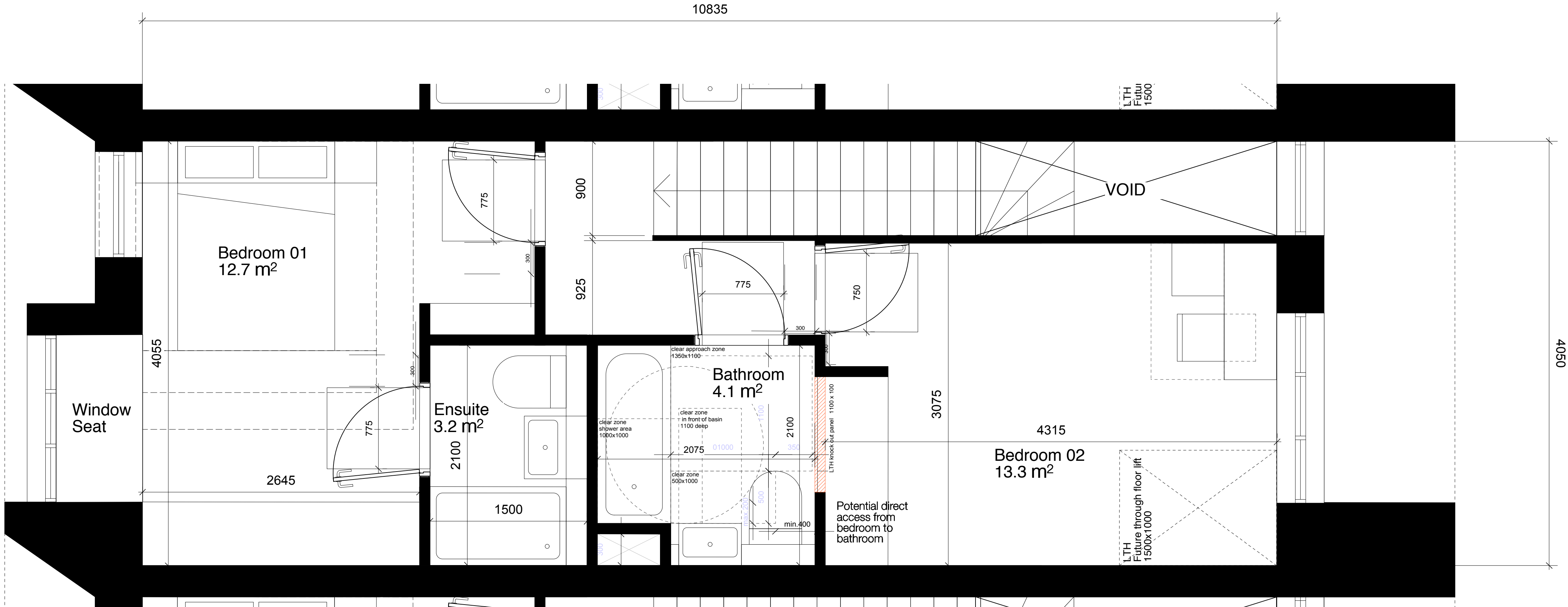
NIA  
89 m<sup>2</sup>

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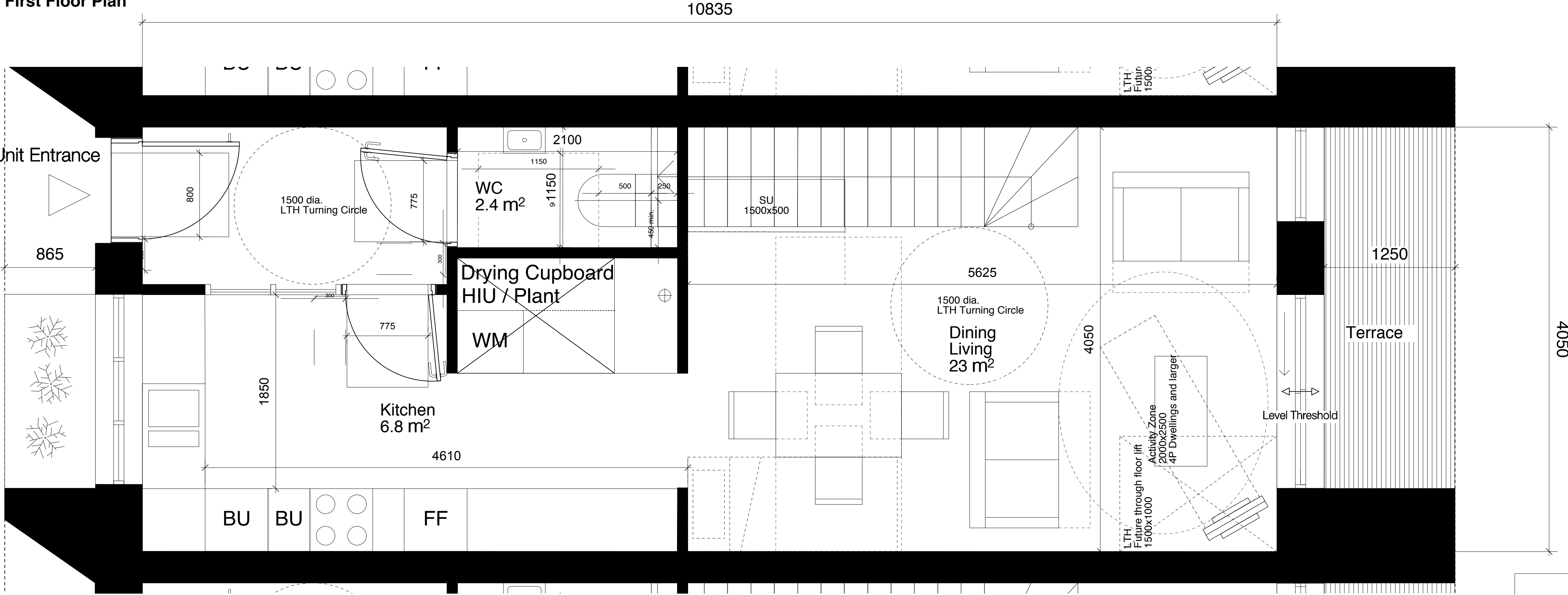
NOTE:

Internal furniture is indicative only



First Floor Plan

LIFETIME HOMES CHECKLIST		
1	Parking	N/A
2	Approach to dwelling from parking	N/A
3	Approach to all entrances	N/A
4	Entrances	N/A
5	Communal stairs and lifts	N/A
6	Internal doorways and hallways	✓
7	Circulation space	✓
8	Entrance level living space	✓
9	Potential for entrance level bed space	✓
10	Entrance level WC and shower drainage	✓
11	WC and bathroom walls	✓
12	Stairs and potential through floor lift in dwelling	✓
13	A potential for fitting hoists and bedroom / bathroom	✓
14	Bathrooms	✓
15	Glazing and window handle heights	N/A
16	Location of service controls	N/A
NOTE: Checklist applies to information shown on drawing only.		



Ground Floor Plan

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Project  
Agar Grove  
Estate Regeneration

Drawing  
Plot J K L  
Unit Type 01

Scale @ A1 @ (A3)	Date
1:50@ A3	December 2013
Drawn by	Checked by
EC	EC
Job Number	Status
HB1423	Planning

Drawing No. & Revision  
1423\_DWG\_PL\_JKL\_00\_300

**NIA**  
151 m<sup>2</sup>

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Unit  
Entrance

LTHW  
Riser

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020 7336 8851f      hawkinsbrown.com

Drawing No. & Revision	1423_DWG_PL_A_00_312
------------------------	----------------------



Type 8  
1B 2P

Units:  
P-A-02-05, 03-06, 04-05, 06-02

NIA  
51 m<sup>2</sup>



LIFETIME HOMES CHECKLIST		
1	Parking	N/A
2	Approach to dwelling from parking	N/A
3	Approach to all entrances	N/A
4	Entrances	N/A
5	Communal stairs and lifts	N/A
6	Internal doorways and hallways	✓
7	Circulation space	✓
8	Entrance level living space	✓
9	Potential for entrance level bed space	✓
10	Entrance level WC and shower drainage	✓
11	WC and bathroom walls	✓
12	Stairs and potential through floor lift in dwelling	✓
13	A potential for fitting hoists and bedroom / bathroom	✓
14	Bathrooms	✓
15	Glazing and window handle heights	N/A
16	Location of service controls	N/A
NOTE: Checklist applies to information shown on drawing only.		

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NOTE:  
Internal furniture is indicative only

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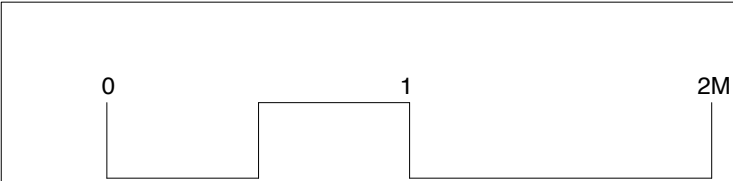
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Project  
Agar Grove  
Estate Regeneration

Drawing  
Plot A  
Unit Type 8

Scale @ A1 @ (A3) 1:50@ A3	Date December 2013
Drawn by EC	Checked by EC
Job Number HB1423	Status Planning

Drawing No. & Revision  
1423\_DWG\_PL\_A\_00\_308



Type 7  
1B 2P Disabled

Units:  
P-A-02-06

NIA  
97 m<sup>2</sup>

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NOTE:

Internal furniture is indicative only

CAMDEN WHEELCHAIR HOUSING DESIGN BRIEF 2013 CHECKLIST		
1	Car Parking	N/A
2	Moving around outside	N/A
3	Using Outdoor Spaces	✓
4	Approaching the home	N/A
5	Negotiating communal entrance doors	N/A
6	Entering and leaving dealing with callers	✓
7	Negotiating the secondary door to garden or balcony	✓
8	Moving around inside storing things	✓
9	Moving between levels	N/A
10	Using living spaces	✓
11	Using the kitchen	✓
12	Using the bathroom and shower room	✓
13	Using bedrooms	✓
14	Operating doors	N/A
15	Operating windows	N/A
16	Controlling services	N/A

NOTE:

Checklist applies to information shown on drawing only.

Subject to detailed structural design.

Layouts subject to discussion with access officers.



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Project  
Agar Grove  
Estate Regeneration

Drawing  
Plot A  
Unit Type 7

Scale @ A1 @ (A3)	Date
1:50@ A3	December 2013
Drawn by	Checked by
EC	EC
Job Number	Status
HB1423	Planning
Drawing No. & Revision	
1423_DWG_PL_A_00_307	



Type 1  
4B 6P

Units:  
P-A-00-05, 00-07, 00-08

NIA  
116 m<sup>2</sup>

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NOTE:

Internal furniture is indicative only

LIFETIME HOMES CHECKLIST		
1	Parking	N/A
2	Approach to dwelling from parking	N/A
3	Approach to all entrances	N/A
4	Entrances	N/A
5	Communal stairs and lifts	N/A
6	Internal doorways and hallways	✓
7	Circulation space	✓
8	Entrance level living space	✓
9	Potential for entrance level bed space	✓
10	Entrance level WC and shower drainage	✓
11	WC and bathroom walls	✓
12	Stairs and potential through floor lift in dwelling	✓
13	A potential for fitting hoists and bedroom / bathroom	✓
14	Bathrooms	✓
15	Glazing and window handle heights	N/A
16	Location of service controls	N/A

NOTE:

Checklist applies to information shown on drawing only.



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Project  
Agar Grove  
Estate Regeneration

Drawing  
Plot A  
Unit Type 1

Scale @ A1 @ (A3)	Date
1:50@ A3	December 2013
Drawn by	Checked by
EC	EC
Job Number	Status
HB1423	Planning

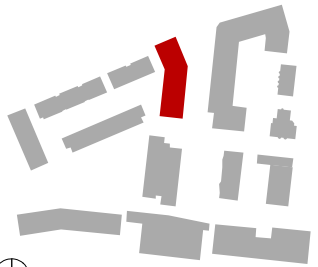
Drawing No. & Revision

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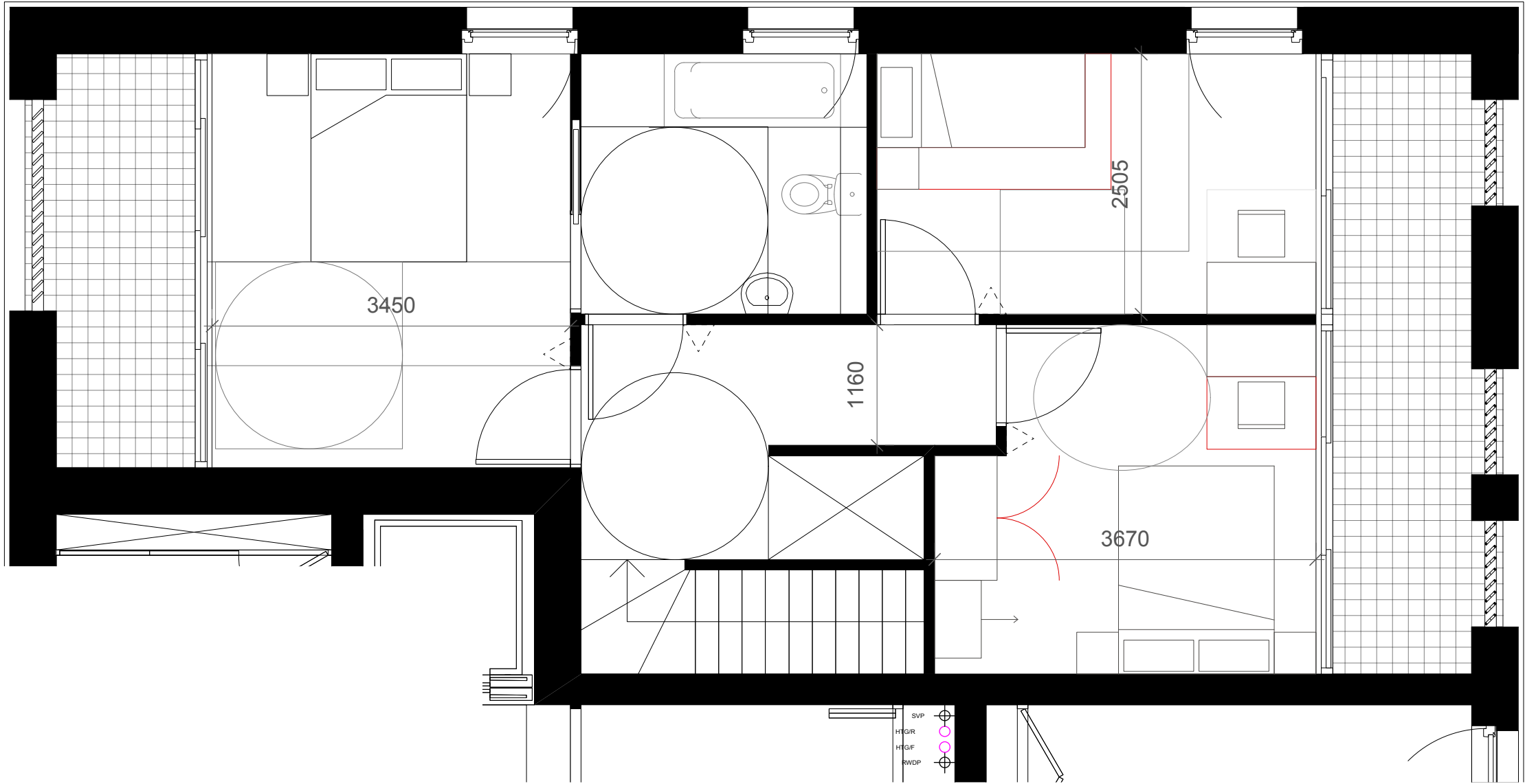
- NOTES:
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  3. Do not scale drawing
  4. Figure dimensions are to be followed
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  6. Contractor should verify all conditions on site and notify contract administrator of any variations from dimensions before construction
  7. Internal furniture is indicative only

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Rev.	Date	Description



Job No. 1423	Job Name Agar Grove	
Title Block I Lifetime Homes and Carnden Wheelchair Accessible Housing		
Status PL	Scale 1.50	
Drawing No. 1423_DWG_PL_1_00_308	Date 13.12.13	Revision



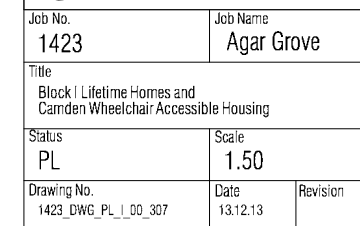
First Floor Typical Lower 3B5P

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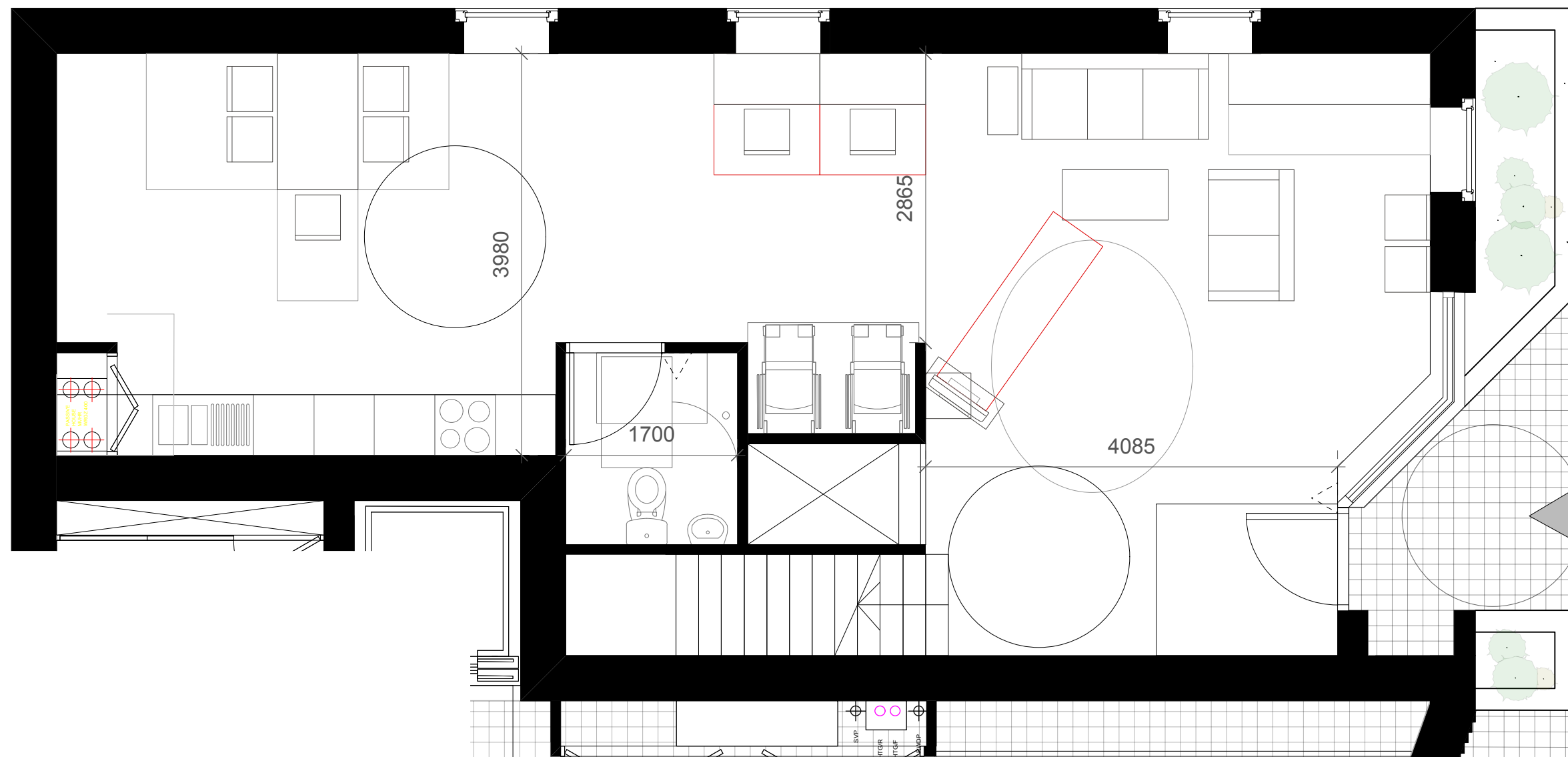
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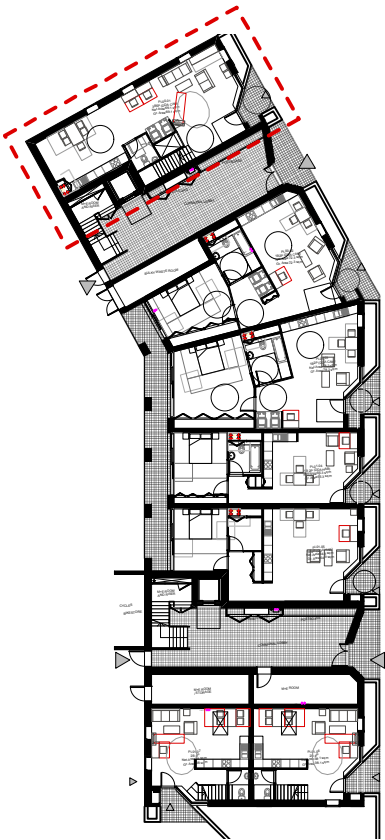
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Job No. <b>1423</b>	Job Name <b>Agar Grove</b>	
Title <b>Block I Lifetime Homes and Camden Wheelchair Accessible Housing</b>		
Status <b>PL</b>	Scale <b>1.50</b>	
Drawing No. <b>1423_DWG_PL_1_00_307</b>	Date <b>13.12.13</b>	Revision



Ground Floor Typical Lower 3B5P



Block I

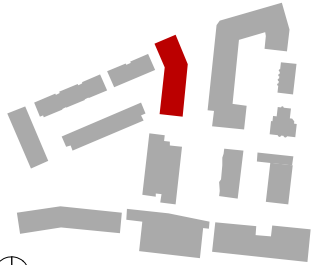
CAMDEN WHEELCHAIR HOUSING DESIGN BRIEF CHECKLIST		
1	Car Parking	N/A
2	Moving around outside	✓
3	Using Outdoor Spaces	✓
4	Approaching the home	✓
5	Negotiating communal entrance doors	✓
6	Entering and leaving dealing with callers	✓
7	Negotiating the secondary door to garden or balcony	✓
8	Moving around inside storing things	✓
9	Moving between levels	✓
10	Using living spaces	✓
11	Using the kitchen	✓
12	Using the bathroom and shower room	✓
13	Using bedrooms	✓
14	Operating doors	✓
15	Operating windows	✓
16	Controlling services	✓

Typical Lower 3B5P

NOTES:  
1. Measurements are based on metric system  
2. All levels are in meters to Principal Datum (PD) unless noted otherwise  
3. Do not scale drawing  
4. Figure dimensions are to be followed  
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6. Contractor should verify all conditions on site and notify contract administrator of any variations from dimensions before construction  
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Rev.	Date	Description



Job No. 1423	Job Name Agar Grove	
Title Block I Lifetime Homes and Camden Wheelchair Accessible Housing		
Status PL	Scale 1:500	
Drawing No. 1423_DWG_PL_1_00_306	Date 13.12.13	Revision

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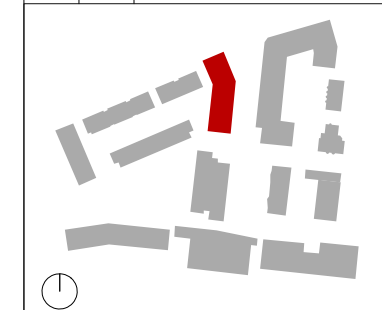


Ground Floor Typical Lower 1B2P

NOTES:  
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 2. All levels are in meters to Principal Datum (PD) unless noted otherwise  
 3. Do not scale drawing  
 4. Figure dimensions are to be followed  
 5. Do not use for construction unless expressly permitted  
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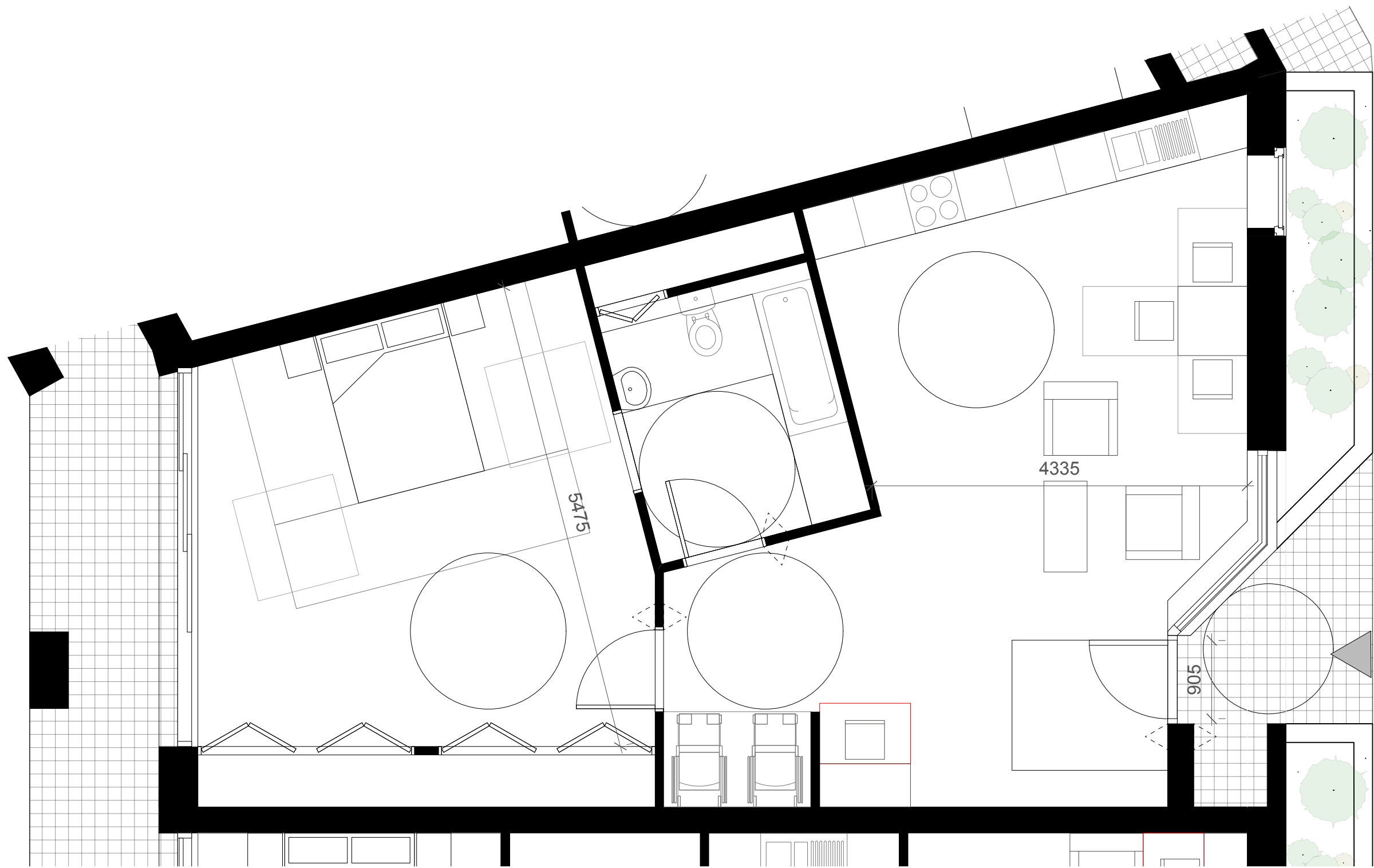


Job No. 1423	Job Name Agar Grove	
Title Block I Lifetime Homes and Carnden Wheelchair Accessible Housing		
Status PL	Scale 1.50	
Drawing No. 1423_DWG_PL_1_00_305	Date 13.12.13	Revision

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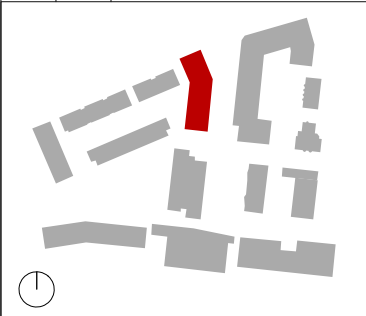


Ground Floor Typical Lower 1B2P

NOTES:  
1. Measurements are based on metric system  
2. All levels are in meters to Principal Datum (PD) unless noted otherwise  
3. Do not scale drawing  
4. Figure dimensions are to be followed  
5. Do not use for construction unless expressly permitted  
6. Contractor should verify all conditions on site and notify contract administrator of any variations from dimensions before construction  
7. Internal furniture is indicative only

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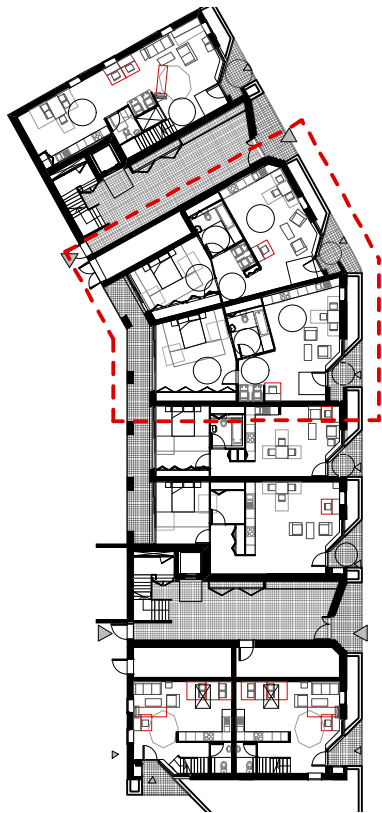


Job No. 1423	Job Name Agar Grove	
Title Block I Lifetime Homes and Carmden Wheelchair Accessible Housing		
Status PL	Scale 1.50	
Drawing No. 1423_DWG_PL_1_00_304	Date 13.12.13	Revision

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Block I

CAMDEN WHEELCHAIR HOUSING DESIGN BRIEF CHECKLIST		
1	Car Parking	N/A
2	Moving around outside	✓
3	Using Outdoor Spaces	✓
4	Approaching the home	✓
5	Negotiating communal entrance doors	✓
6	Entering and leaving dealing with callers	✓
7	Negotiating the secondary door to garden or balcony	✓
8	Moving around inside storing things	✓
9	Moving between levels	✓
10	Using living spaces	✓
11	Using the kitchen	✓
12	Using the bathroom and shower room	✓
13	Using bedrooms	✓
14	Operating doors	✓
15	Operating windows	✓
16	Controlling services	✓

Typical Lower 1B2P

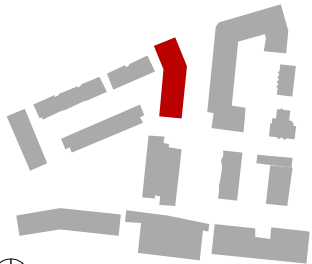
CAMDEN WHEELCHAIR HOUSING DESIGN BRIEF CHECKLIST		
1	Car Parking	N/A
2	Moving around outside	✓
3	Using Outdoor Spaces	✓
4	Approaching the home	✓
5	Negotiating communal entrance doors	✓
6	Entering and leaving dealing with callers	✓
7	Negotiating the secondary door to garden or balcony	✓
8	Moving around inside storing things	✓
9	Moving between levels	✓
10	Using living spaces	✓
11	Using the kitchen	✓
12	Using the bathroom and shower room	✓
13	Using bedrooms	✓
14	Operating doors	✓
15	Operating windows	✓
16	Controlling services	✓

Typical Lower 1B2P

NOTES:  
1. Measurements are based on metric system  
2. All levels are in meters to Principal Datum (PD) unless noted otherwise  
3. Do not scale drawing  
4. Figure dimensions are to be followed  
5. Do not use for construction unless expressly permitted  
6. Contractor should verify all conditions on site and notify contract administrator of any variations from dimensions before construction  
7. Internal furniture is indicative only

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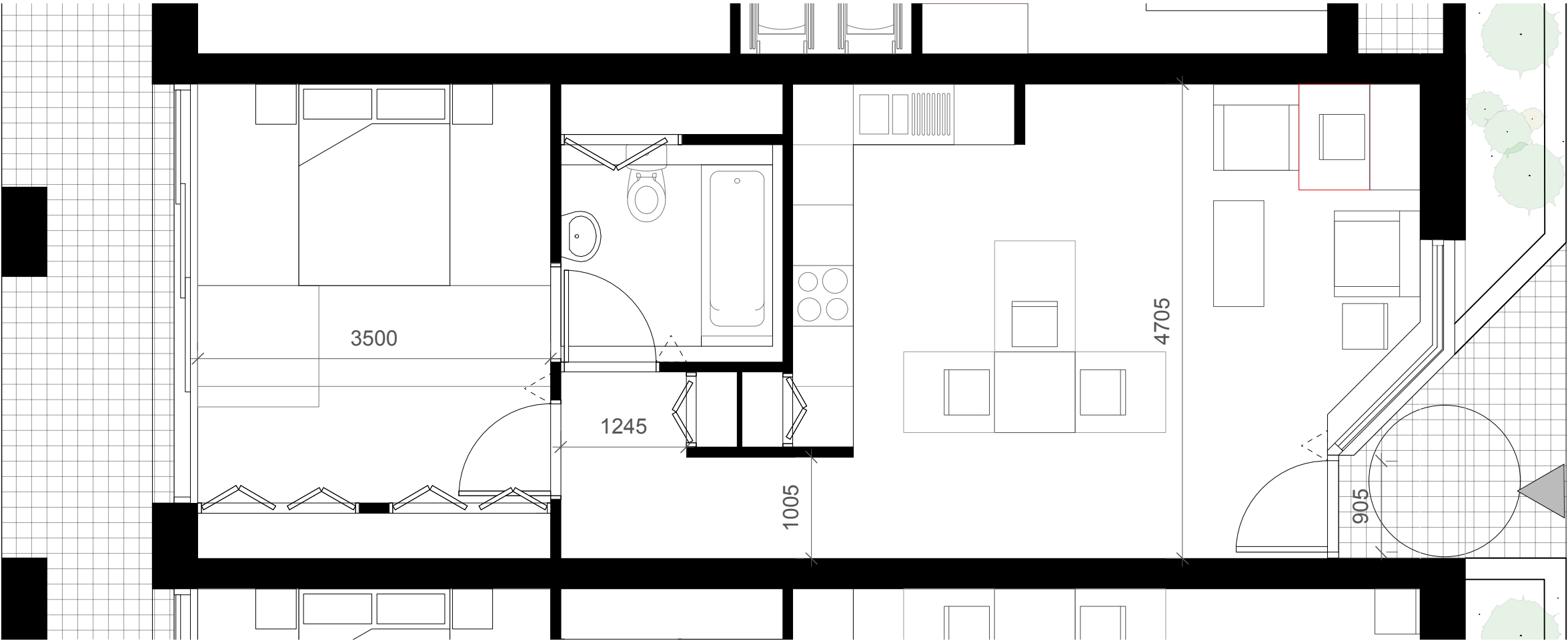
Rev.	Date	Description



Job No. 1423	Job Name Agar Grove	
Title Block I Lifetime Homes and Camden Wheelchair Accessible Housing		
Status PL	Scale 1.500	
Drawing No. 1423_DWG_PL_1_00_303	Date 13.12.13	Revision

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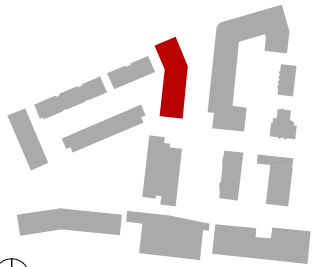


Ground Floor Typical Lower 1B2P

- NOTES:
1. Measurements are based on metric system
  2. All levels are in meters to Principal Datum (PD) unless noted otherwise
  3. Do not scale drawing
  4. Figure dimensions are to be followed
  5. Do not use for construction unless expressly permitted
  6. Contractor should verify all conditions on site and notify contract administrator of any variations from dimensions before construction
  7. Internal furniture is indicative only

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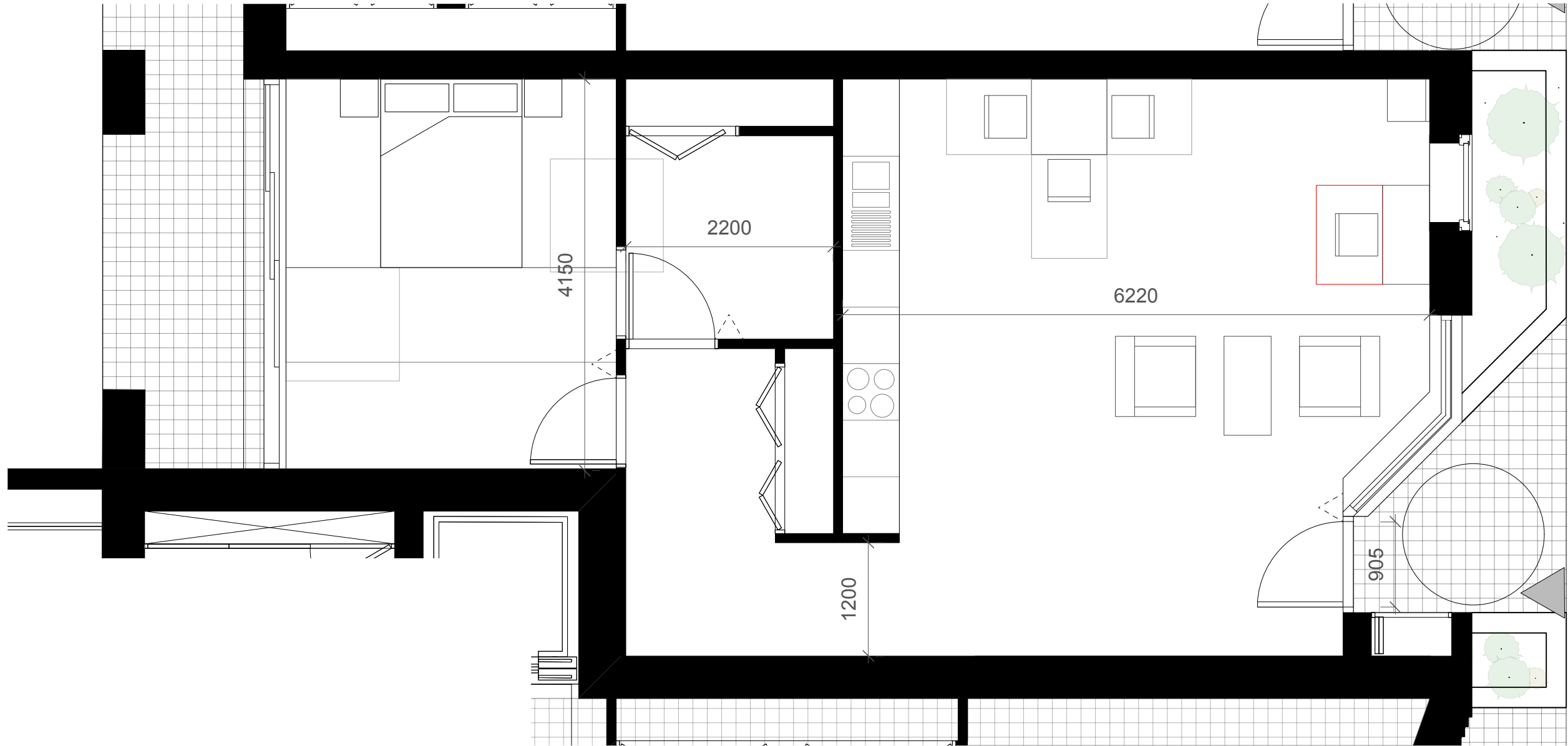
Rev.	Date	Description



Job No. 1423	Job Name Agar Grove	
Title Block I Lifetime Homes and Carnden Wheelchair Accessible Housing		
Status PL	Scale 1.50	
Drawing No. 1423_DWG_PL_1_00_302	Date 13.12.13	Revision

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e: office@mae-llp.co.uk

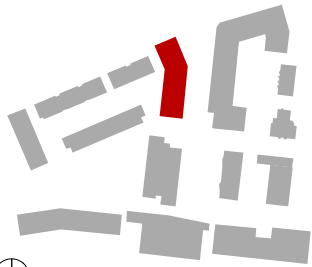


Ground Floor Typical Lower 1B2P

- NOTES:
1. Measurements are based on metric system
  2. All levels are in meters to Principal Datum (PD) unless noted otherwise
  3. Do not scale drawing
  4. Figure dimensions are to be followed
  5. Do not use for construction unless expressly permitted
  6. Contractor should verify all conditions on site and notify contract administrator of any variations from dimensions before construction
  7. Internal furniture is indicative only

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Rev.	Date	Description



Job No. 1423	Job Name Agar Grove	
Title Block I Lifetime Homes and Carnden Wheelchair Accessible Housing		
Status PL	Scale 1.50	
Drawing No. 1423_DWG_PL_1_00_301	Date 13.12.13	Revision

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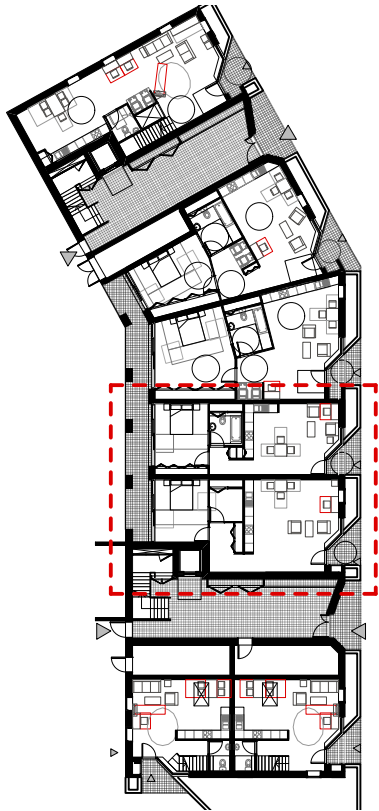
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LIFETIME HOMES CHECKLIST		
1	Parking	N/A
2	Approach to dwelling from parking	N/A
3	Approach to all entrances	✓
4	Entrances	✓
5	Communal stairs and lifts	✓
6	Internal doorways and hallways	✓
7	Circulation space	✓
8	Entrance level living space	✓
9	Potential for entrance level bed space	✓
10	Entrance level WC and shower drainage	✓
11	WC and bathroom walls	✓
12	Stairs and potential through floor lift in dwelling	✓
13	A potential for fitting hoists and bedroom / bathroom	✓
14	Bathrooms	✓
15	Glazing and window handle heights	✓
16	Location of service controls	✓

Typical Lower 1B2P

LIFETIME HOMES CHECKLIST		
1	Parking	N/A
2	Approach to dwelling from parking	N/A
3	Approach to all entrances	✓
4	Entrances	✓
5	Communal stairs and lifts	✓
6	Internal doorways and hallways	✓
7	Circulation space	✓
8	Entrance level living space	✓
9	Potential for entrance level bed space	✓
10	Entrance level WC and shower drainage	✓
11	WC and bathroom walls	✓
12	Stairs and potential through floor lift in dwelling	✓
13	A potential for fitting hoists and bedroom / bathroom	✓
14	Bathrooms	✓
15	Glazing and window handle heights	✓
16	Location of service controls	✓

Typical Lower 1B2P

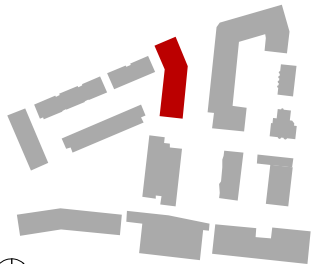


Block I

NOTES:  
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3. Do not scale drawing  
4. Figure dimensions are to be followed  
5. Do not use for construction unless expressly permitted  
6. Contractor should verify all conditions on site and notify contract administrator of any variations from dimensions before construction  
7. Internal furniture is indicative only

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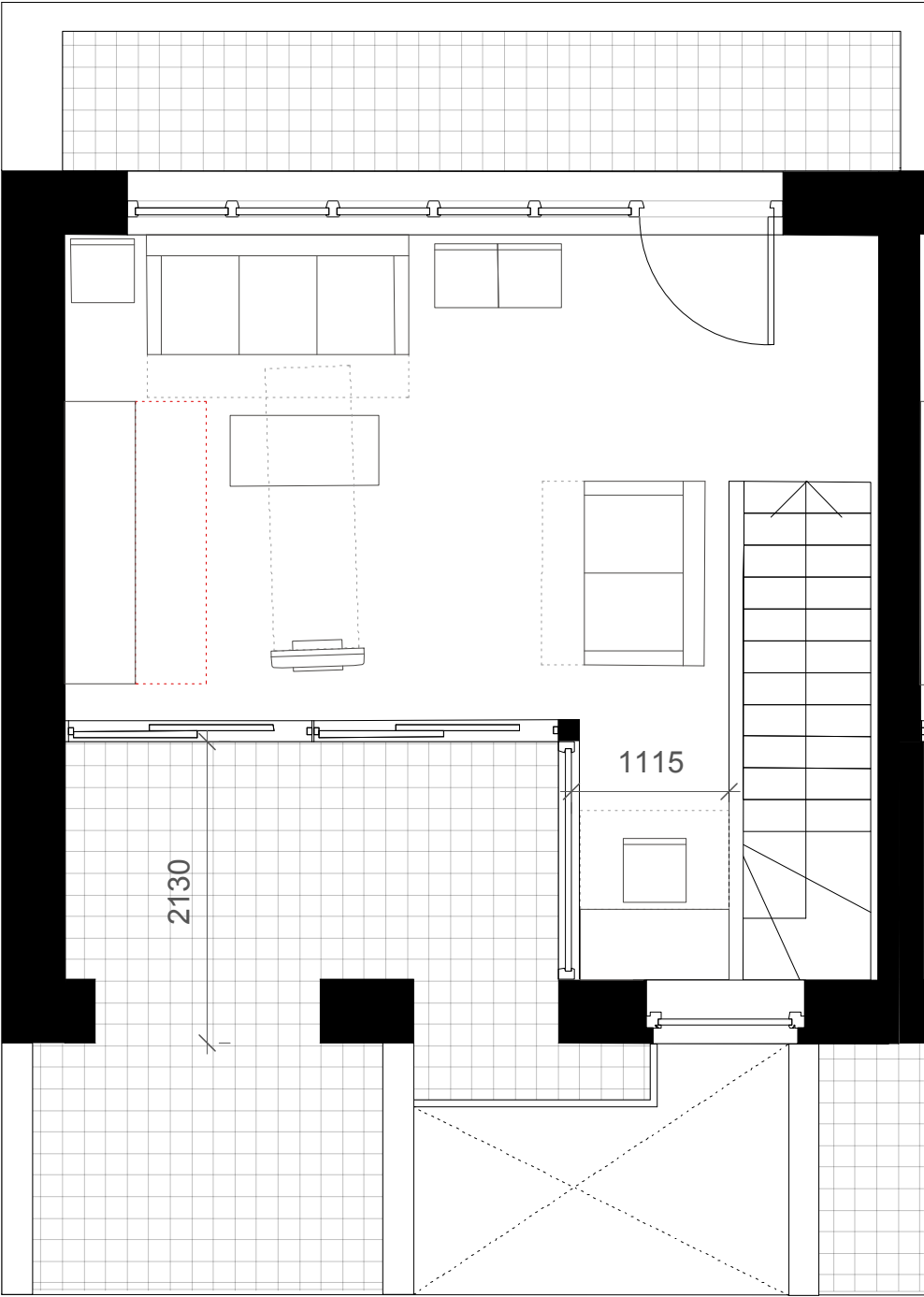
Rev.	Date	Description



Job No. 1423	Job Name Agar Grove	
Title Block I Lifetime Homes and Carnden Wheelchair Accessible Housing		
Status PL	Scale 1:500	
Drawing No. 1423_DWG_PL_1_00_300	Date 13.12.13	Revision

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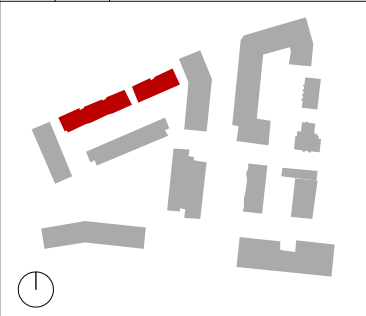


Fourth Floor Typical Upper 3B6P

- NOTES:
- 1. Measurements are based on metric system
  - 2. All levels are in meters to Principal Datum (PD) unless noted otherwise
  - 3. Do not scale drawing
  - 4. Figure dimensions are to be followed
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  - 7. Internal furniture is indicative only

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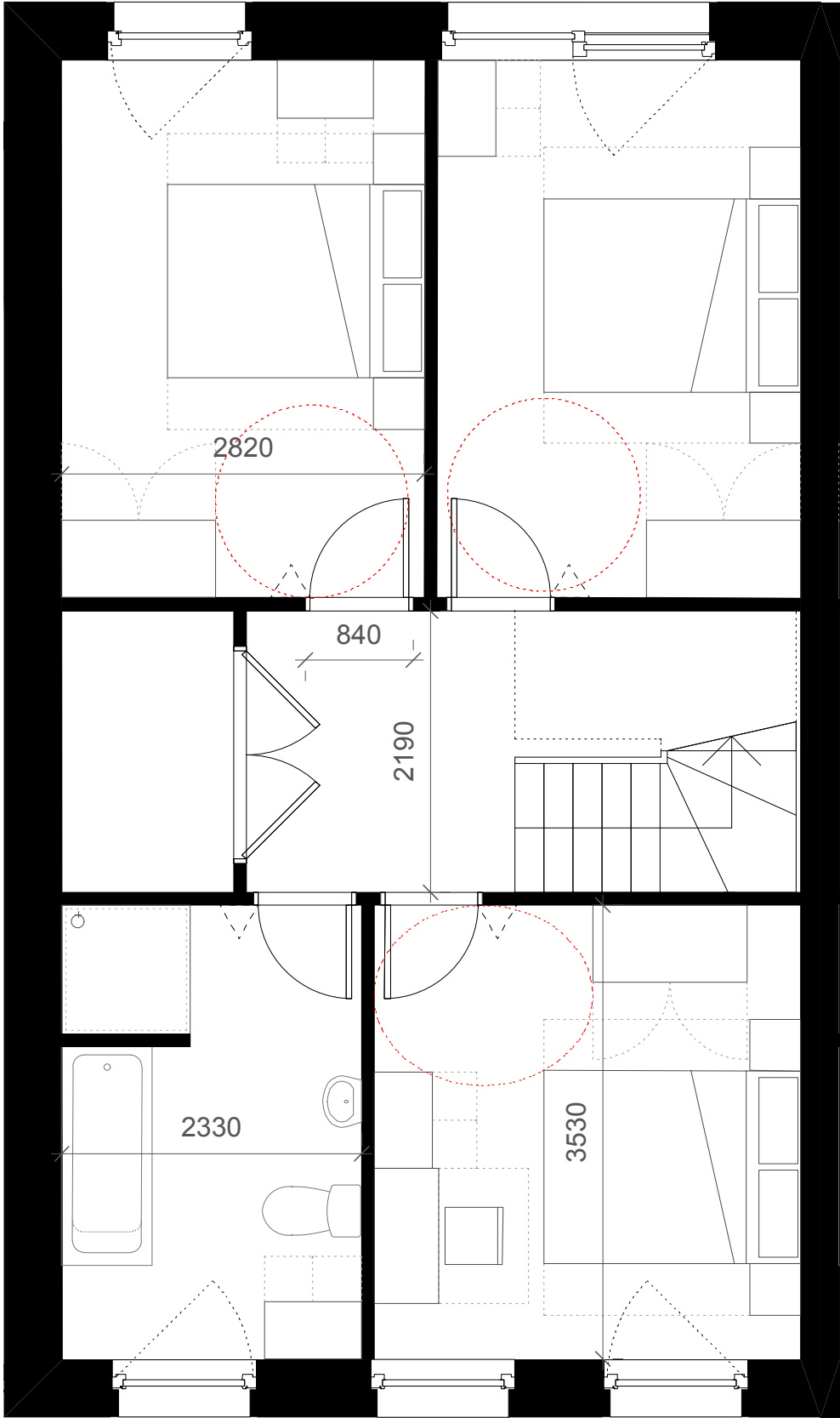
Rev.	Date	Description



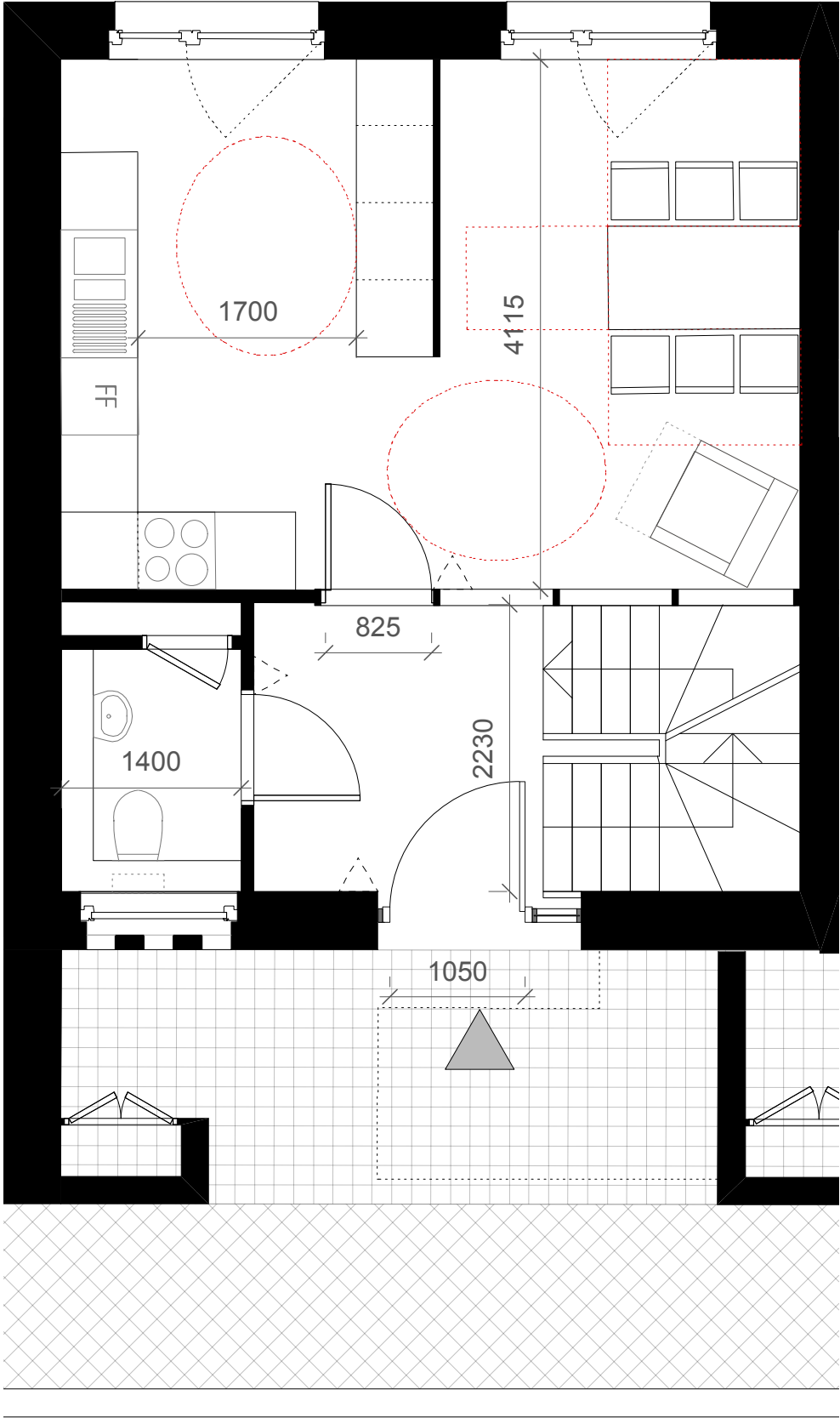
Job No. 1423	Job Name Agar Grove	
Title Block H Lifetime Homes		
Status PL	Scale 1.50	
Drawing No. 1423_DWG_PL_H_00_303	Date 13.12.13	Revision

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Second Floor Typical Upper 3B6P

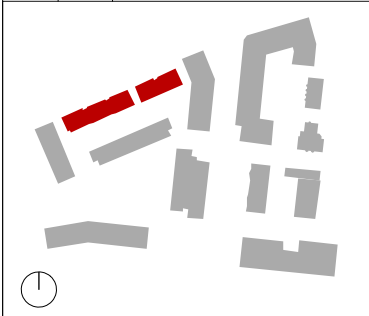


Third Floor Typical Upper 3B6P

- NOTES:
1. Measurements are based on metric system
  2. All levels are in meters to Principal Datum (PD) unless noted otherwise
  3. Do not scale drawing
  4. Figure dimensions are to be followed
  5. Do not use for construction unless expressly permitted
  6. Contractor should verify all conditions on site and notify contract administrator of any variations from dimensions before construction
  7. Internal furniture is indicative only

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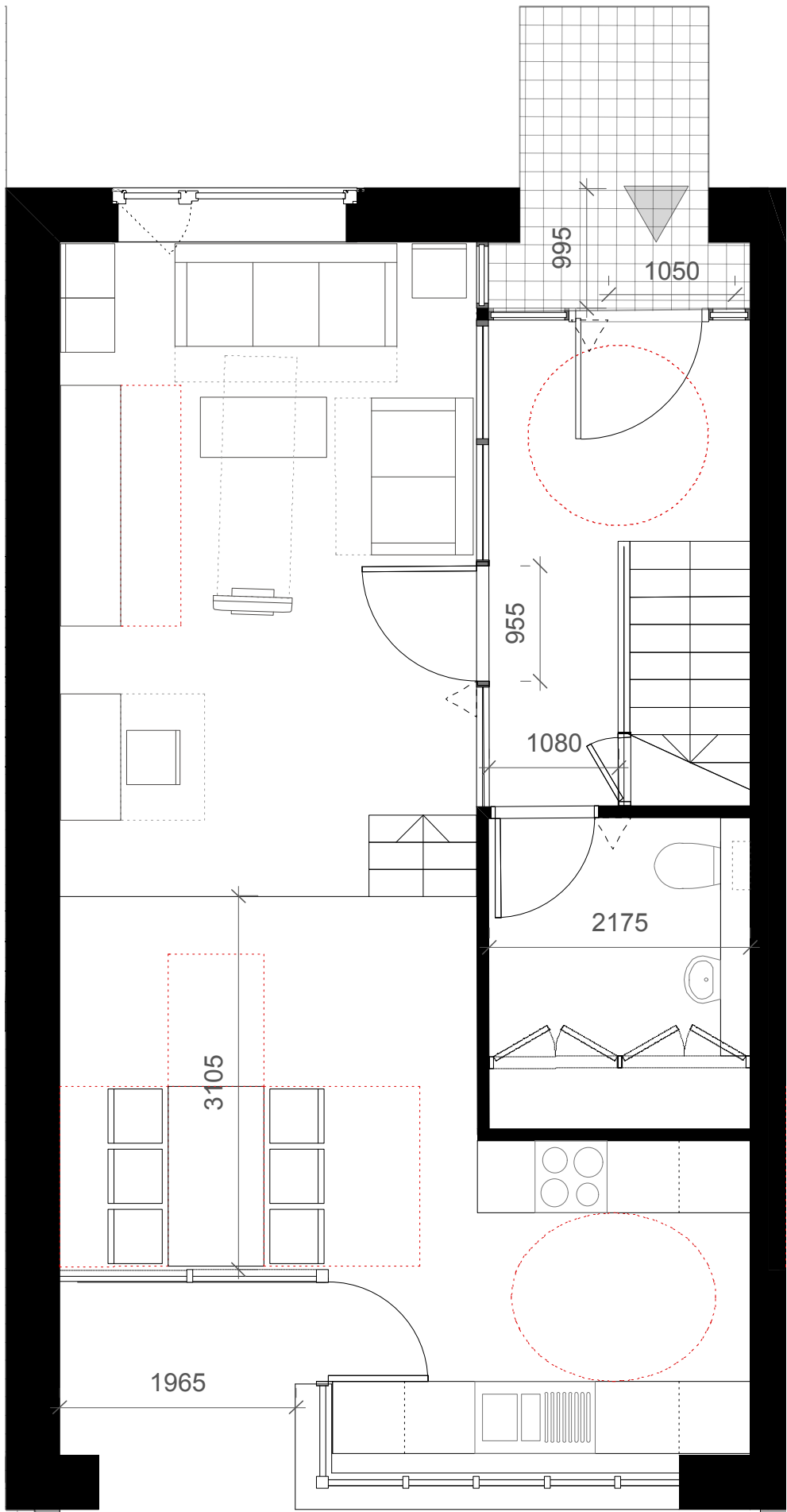
Rev.	Date	Description



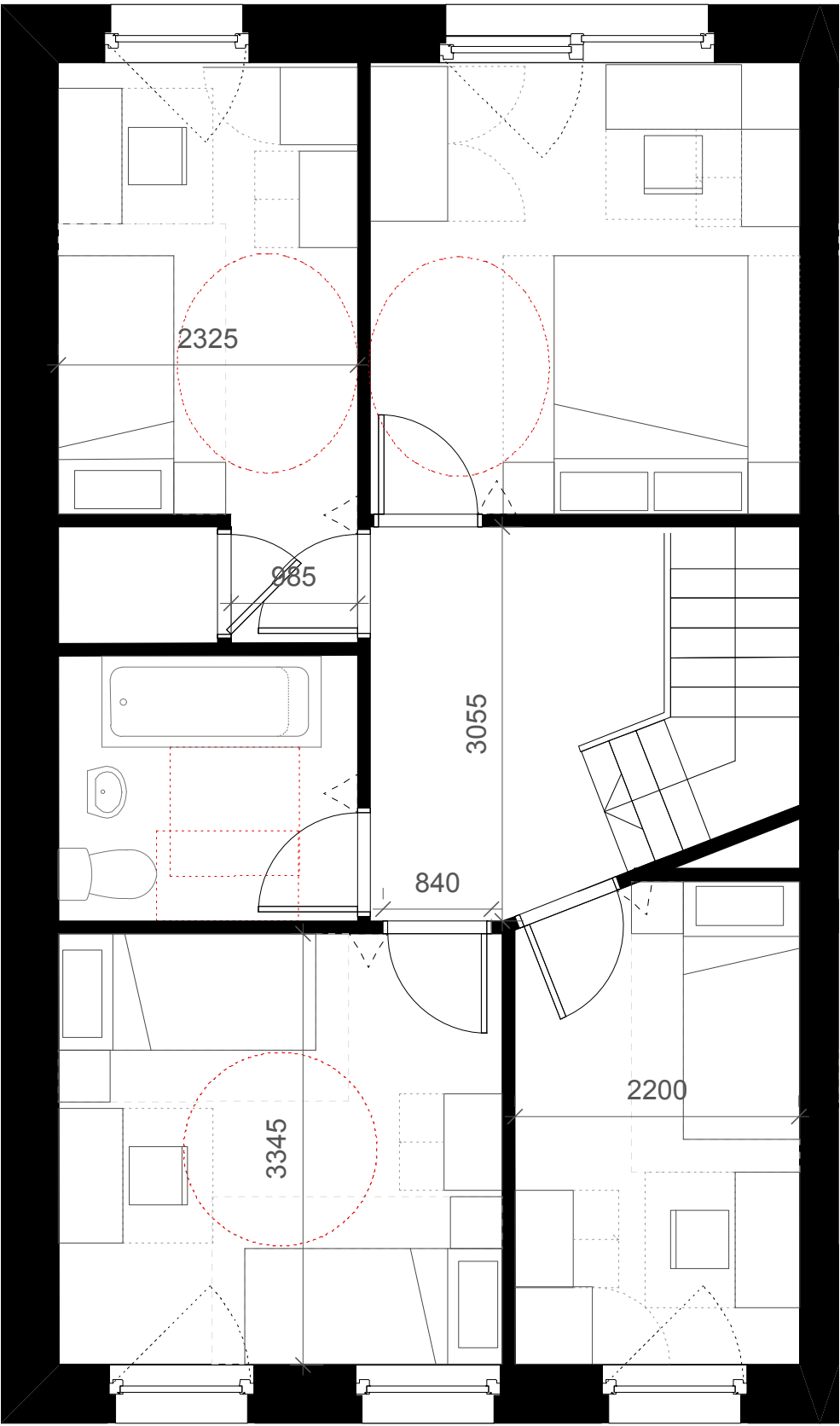
Job No. 1423	Job Name Agar Grove	
Title Block H Lifetime Homes		
Status PL	Scale 1.50	
Drawing No. 1423_DWG_PL_H_00_302	Date 13.12.13	Revision

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Ground Floor Typical Lower 4B6P

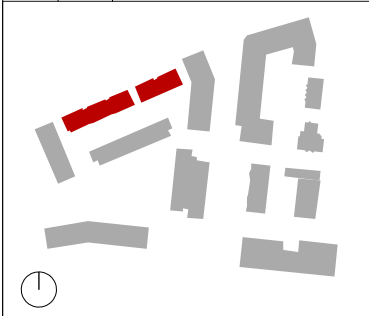


First Floor Typical Lower 4B6P

NOTES:  
 1. Measurements are based on metric system  
 2. All levels are in meters to Principal Datum (PD) unless noted otherwise  
 3. Do not scale drawing  
 4. Figure dimensions are to be followed  
 5. Do not use for construction unless expressly permitted  
 6. Contractor should verify all conditions on site and notify contract administrator of any variations from dimensions before construction  
 7. Internal furniture is indicative only

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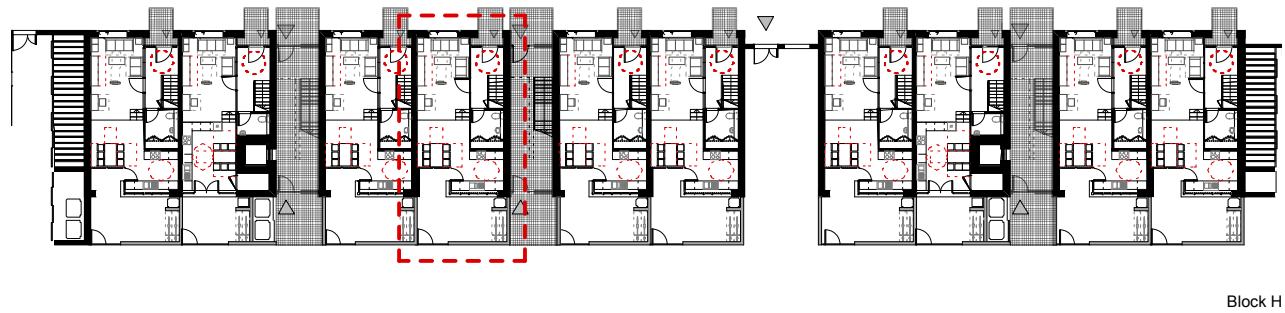
Rev.	Date	Description



Job No. 1423	Job Name Agar Grove	
Title Block H Lifetime Homes		
Status PL	Scale 1.50	
Drawing No. 1423_DWG_PL_H_00_301	Date 13.12.13	Revision

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Block H

LIFETIME HOMES CHECKLIST		
1	Parking	N/A
2	Approach to dwelling from parking	N/A
3	Approach to all entrances	✓
4	Entrances	✓
5	Communal stairs and lifts	✓
6	Internal doorways and hallways	✓
7	Circulation space	✓
8	Entrance level living space	✓
9	Potential for entrance level bed space	✓
10	Entrance level WC and shower drainage	✓
11	WC and bathroom walls	✓
12	Stairs and potential through floor lift in dwelling	✓
13	A potential for fitting hoists and bedroom / bathroom	✓
14	Bathrooms	✓
15	Glazing and window handle heights	✓
16	Location of service controls	✓

Typical Lower 4B6P

LIFETIME HOMES CHECKLIST		
1	Parking	N/A
2	Approach to dwelling from parking	N/A
3	Approach to all entrances	✓
4	Entrances	✓
5	Communal stairs and lifts	✓
6	Internal doorways and hallways	✓
7	Circulation space	✓
8	Entrance level living space	✓
9	Potential for entrance level bed space	✓
10	Entrance level WC and shower drainage	✓
11	WC and bathroom walls	✓
12	Stairs and potential through floor lift in dwelling	✓
13	A potential for fitting hoists and bedroom / bathroom	✓
14	Bathrooms	✓
15	Glazing and window handle heights	✓
16	Location of service controls	✓

Typical Upper 3B6P

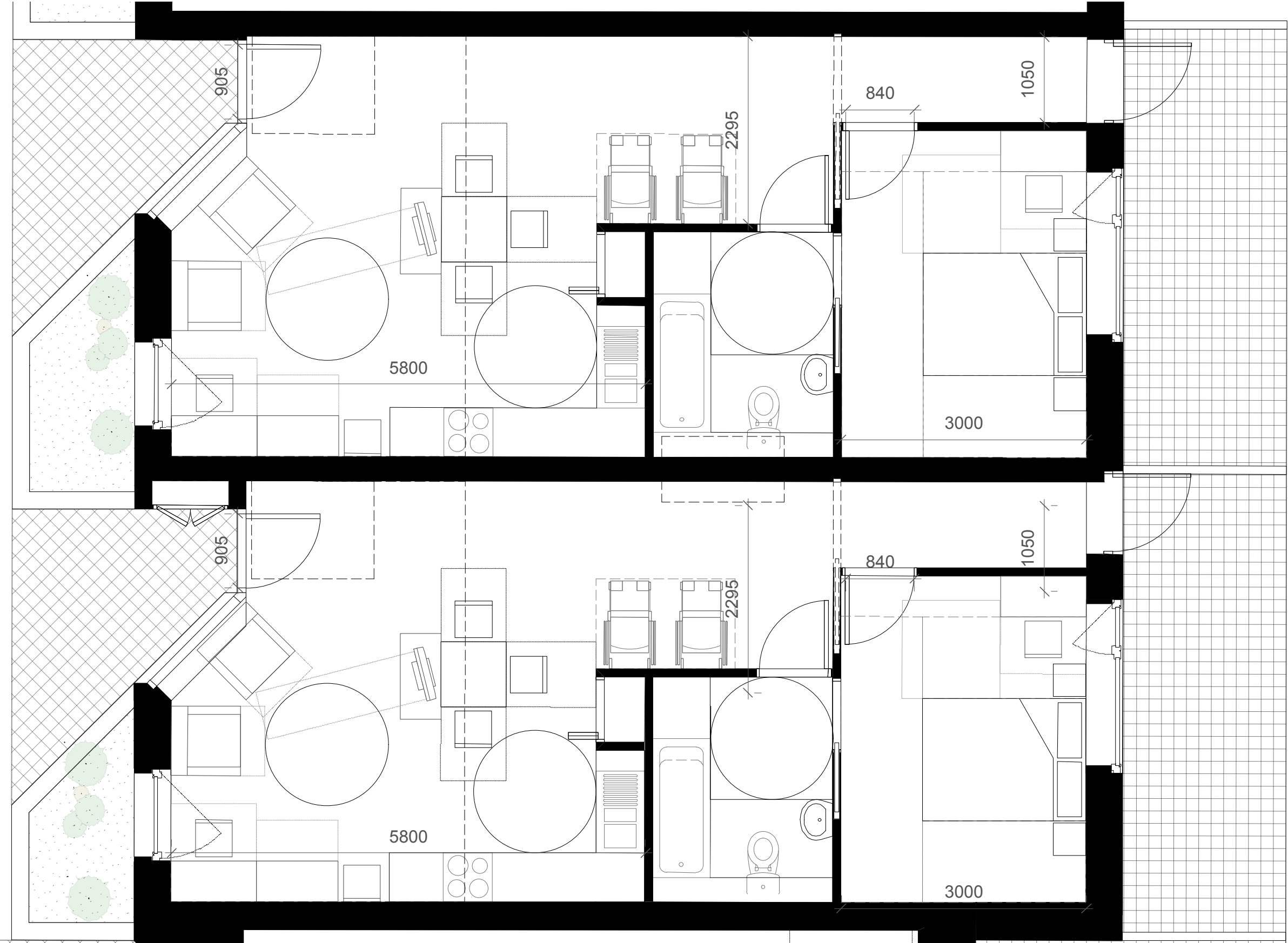
NOTES:  
1. Measurements are based on metric system  
2. All levels are in meters to Principal Datum (PD) unless noted otherwise  
3. Do not scale drawing  
4. Figure dimensions are to be followed  
5. Do not use for construction unless expressly permitted  
6. Contractor should verify all conditions on site and notify contract administrator of any variations from dimensions before construction  
7. Internal furniture is indicative only

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Rev.	Date	Description

Job No.	Job Name	
1423	Agar Grove	
Title		
Block H Lifetime Homes		
Status	Scale	
PL	1:500	
Drawing No.	Date	Revision
1423_DWG_PL_H_00_300	13.12.13	

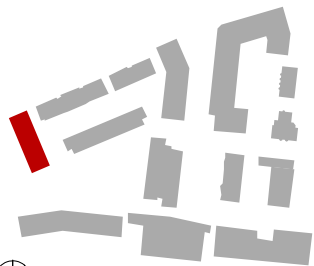




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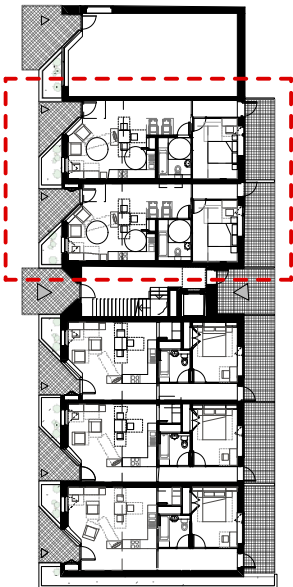
Rev.	Date	Description



Job No. 1423	Job Name Agar Grove	
Title Block G - Mayor of London's Best Practice Guidance on Wheelchair Accessible Housing		
Status PL	Scale 1.50	
Drawing No. 1423_DWG_PL_G_00_304	Date 13.12.13	Revision

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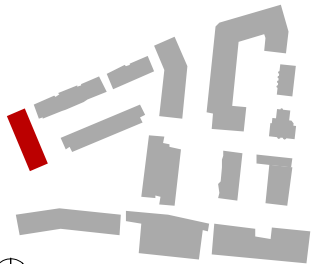
Block G

WHEELCHAIR ACCESSIBLE HOUSING CHECKLIST GLA GUIDANCE SEPTEMBER 2007		
1	Moving around outside	N/A
2	Using the outdoor spaces	✓
3	Approaching the home	N/A
4	Negotiating the entrance door	✓
5	Entering and leaving; dealing with callers	✓
6	Negotiating the secondary door	N/A
7	Moving around inside; storing things	✓
8	Moving between levels in a building	N/A
9	Using living spaces	✓
10	Using the kitchen	✓
11	Using the bathroom	✓
12	Using the bedrooms	✓
13	Internal doors	✓
14	Windows	N/A
NOTE:  Checklist applies to information shown on drawing only.		

NOTES:  
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3. Do not scale drawing  
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5. Do not use for construction unless expressly permitted  
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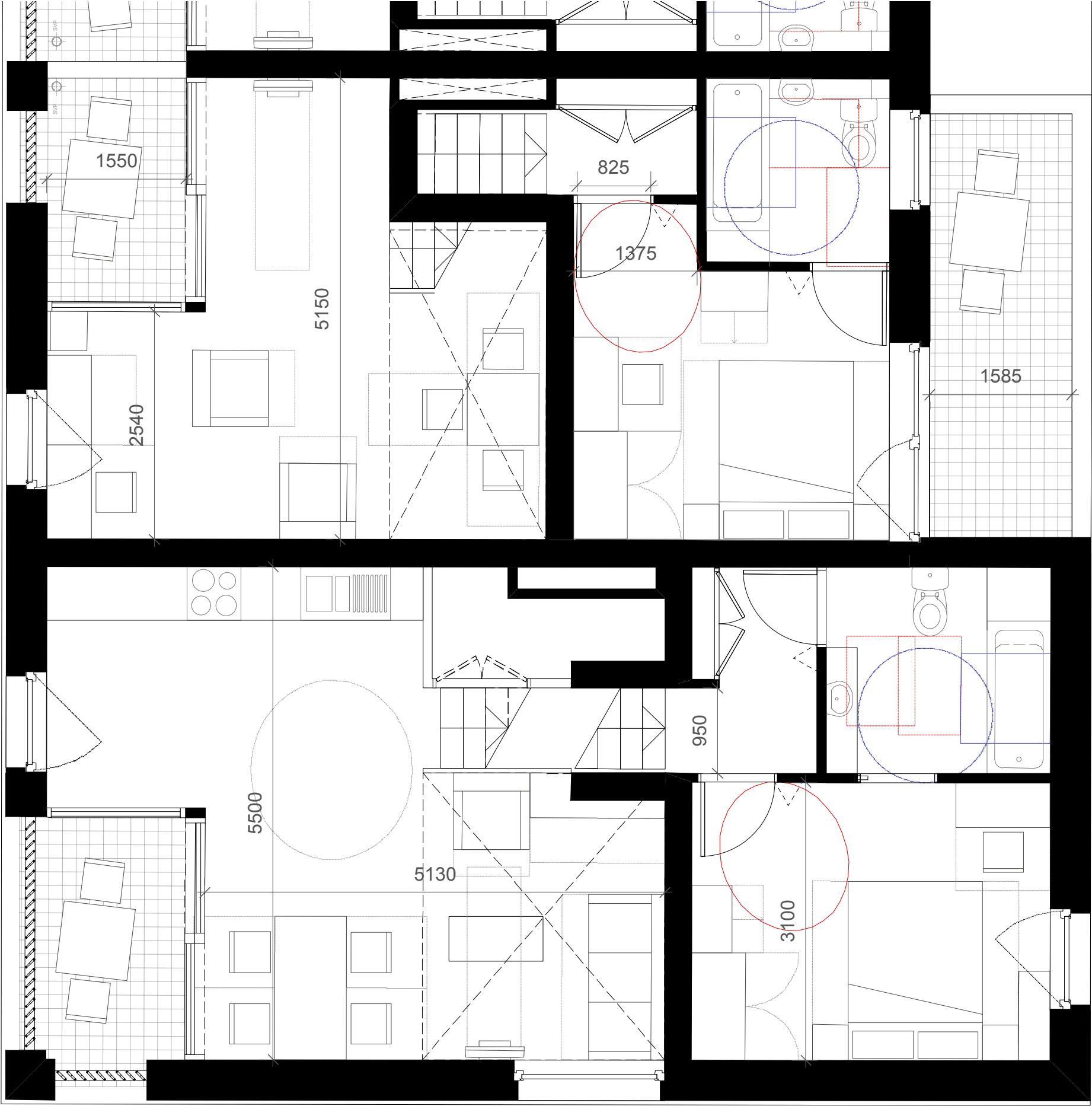
Rev.	Date	Description



Job No. 1423	Job Name Agar Grove	
Title Block G - Mayor of London's Best Practice Guidance on Wheelchair Accessible Housing		
Status PL	Scale 1.500	
Drawing No. 1423_DWG_PL_G_00_303	Date 13.12.13	Revision

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Second Floor Typical 1B2P  
Typical 2B3P

NOTES:  
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Rev.	Date	Description

Job No.  
1423

Job Name  
Agar Grove

Title  
Block G Lifetime Homes

Status  
PL

Scale  
1.50

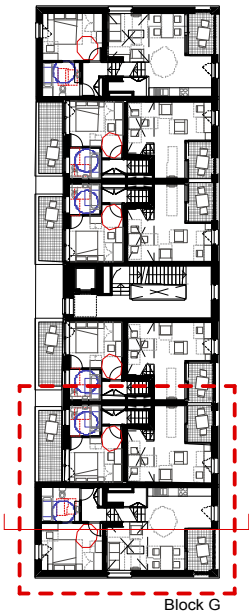
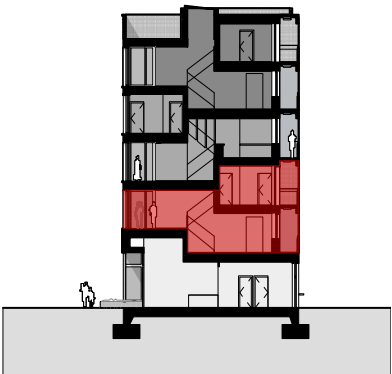
Drawing No.  
1423\_DWG\_PL\_G\_00\_301

Date  
13.12.13

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LIFETIME HOMES CHECKLIST		
1	Parking	N/A
2	Approach to dwelling from parking	N/A
3	Approach to all entrances	✓
4	Entrances	✓
5	Communal stairs and lifts	✓
6	Internal doorways and hallways	✓
7	Circulation space	✓
8	Entrance level living space	✓
9	Potential for entrance level bed space	✓
10	Entrance level WC and shower drainage	✓
11	WC and bathroom walls	✓
12	Stairs and potential through floor lift in dwelling	✓
13	A potential for fitting hoists and bedroom / bathroom	✓
14	Bathrooms	✓
15	Glazing and window handle heights	✓
16	Location of service controls	✓

Typical Upper 1B2P

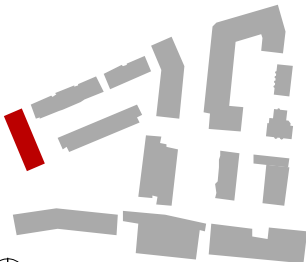
LIFETIME HOMES CHECKLIST		
1	Parking	N/A
2	Approach to dwelling from parking	N/A
3	Approach to all entrances	✓
4	Entrances	✓
5	Communal stairs and lifts	✓
6	Internal doorways and hallways	✓
7	Circulation space	✓
8	Entrance level living space	✓
9	Potential for entrance level bed space	✓
10	Entrance level WC and shower drainage	✓
11	WC and bathroom walls	✓
12	Stairs and potential through floor lift in dwelling	✓
13	A potential for fitting hoists and bedroom / bathroom	✓
14	Bathrooms	✓
15	Glazing and window handle heights	✓
16	Location of service controls	✓

Typical Upper 2B3P

NOTES:  
1. Measurements are based on metric system  
2. All levels are in meters to Principal Datum (PD) unless noted otherwise  
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7. Internal furniture is indicative only

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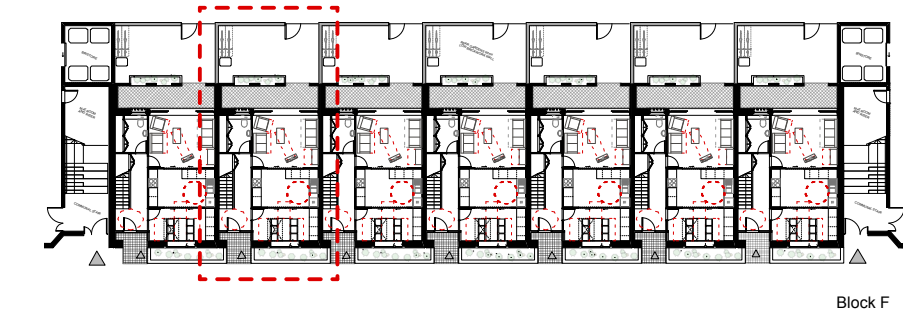
Job No. 1423	Job Name Agar Grove	
Title Block G Lifetime Homes		
Status PL	Scale 1.500	
Drawing No. 1423_DWG_PL_G_00_300	Date 13.12.13	Revision

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LIFETIME HOMES CHECKLIST		
1	Parking	N/A
2	Approach to dwelling from parking	N/A
3	Approach to all entrances	✓
4	Entrances	✓
5	Communal stairs and lifts	✓
6	Internal doorways and hallways	✓
7	Circulation space	✓
8	Entrance level living space	✓
9	Potential for entrance level bed space	✓
10	Entrance level WC and shower drainage	✓
11	WC and bathroom walls	✓
12	Stairs and potential through floor lift in dwelling	✓
13	A potential for fitting hoists and bedroom / bathroom	✓
14	Bathrooms	✓
15	Glazing and window handle heights	✓
16	Location of service controls	✓

Typical Lower 4B6P




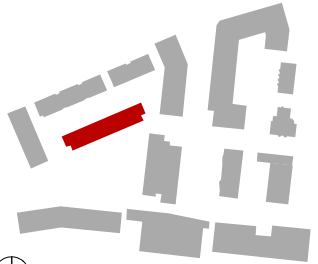
LIFETIME HOMES CHECKLIST		
1	Parking	N/A
2	Approach to dwelling from parking	N/A
3	Approach to all entrances	✓
4	Entrances	✓
5	Communal stairs and lifts	✓
6	Internal doorways and hallways	✓
7	Circulation space	✓
8	Entrance level living space	✓
9	Potential for entrance level bed space	✓
10	Entrance level WC and shower drainage	✓
11	WC and bathroom walls	✓
12	Stairs and potential through floor lift in dwelling	✓
13	A potential for fitting hoists and bedroom / bathroom	✓
14	Bathrooms	✓
15	Glazing and window handle heights	✓
16	Location of service controls	✓

Typical Upper 3B5P

NOTES:  
1. Measurements are based on metric system  
2. All levels are in meters to Principal Datum (PD) unless noted otherwise  
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4. Figure dimensions are to be followed  
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6. Contractor should verify all conditions on site and notify contract administrator of any variations from dimensions before construction  
7. Internal furniture is indicative only

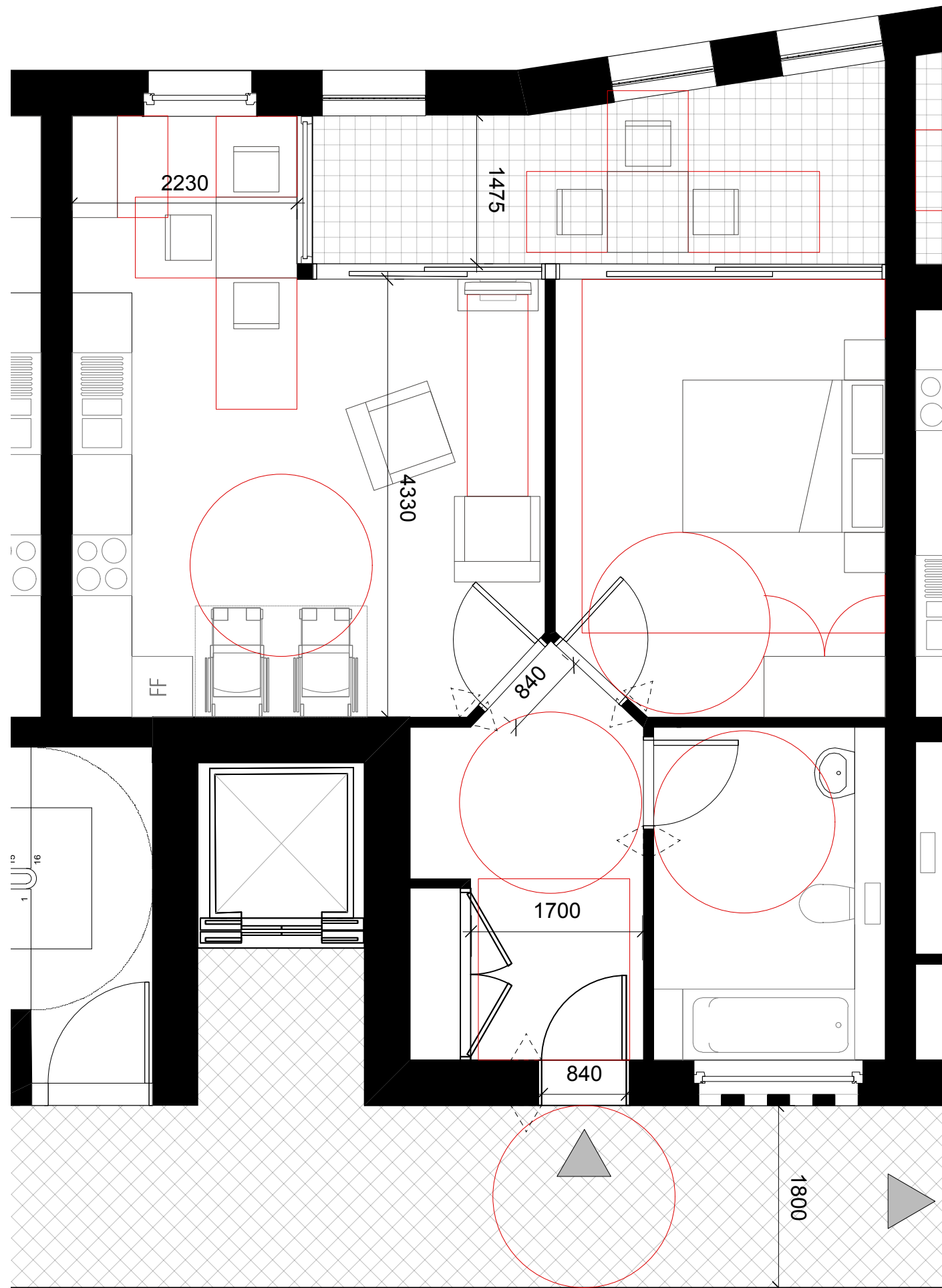
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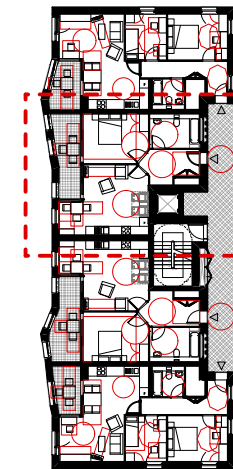
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Title Block F Lifetime Homes		
Status PL	Scale 1:500	
Drawing No. 1423_DWG_PL_F_00_300	Date 13.12.13	Revision



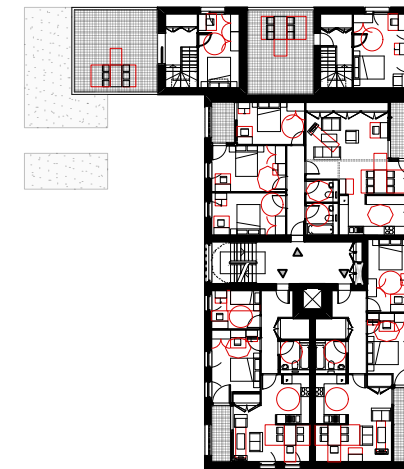


1.50

Typical Upper 1B2P



1.500



Block CDE

## CAMDEN WHEELCHAIR HOUSING DESIGN BRIEF CHECKLIST

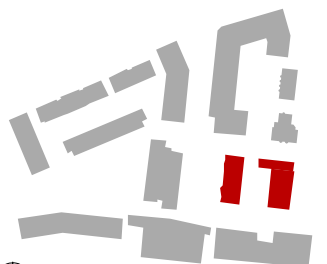
1	Car Parking	N/A
2	Moving around outside	✓
3	Using Outdoor Spaces	✓
4	Approaching the home	✓
5	Negotiating communal entrance doors	✓
6	Entering and leaving dealing with callers	✓
7	Negotiating the secondary door to garden or balcony	✓
8	Moving around inside storing things	✓
9	Moving between levels	✓
10	Using living spaces	✓
11	Using the kitchen	✓
12	Using the bathroom and shower room	✓
13	Using bedrooms	✓
14	Operating doors	✓
15	Operating windows	✓
16	Controlling services	✓

**NOTES:**

1. Measurements are based on metric system
2. All levels are in meters to Principal Datum (PD) unless noted otherwise
3. Do not scale drawing
4. Figure dimensions are to be followed
5. Do not use for construction unless expressly permitted
6. Contractor should verify all conditions on site and notify contract administrator of any variations from dimensions before construction
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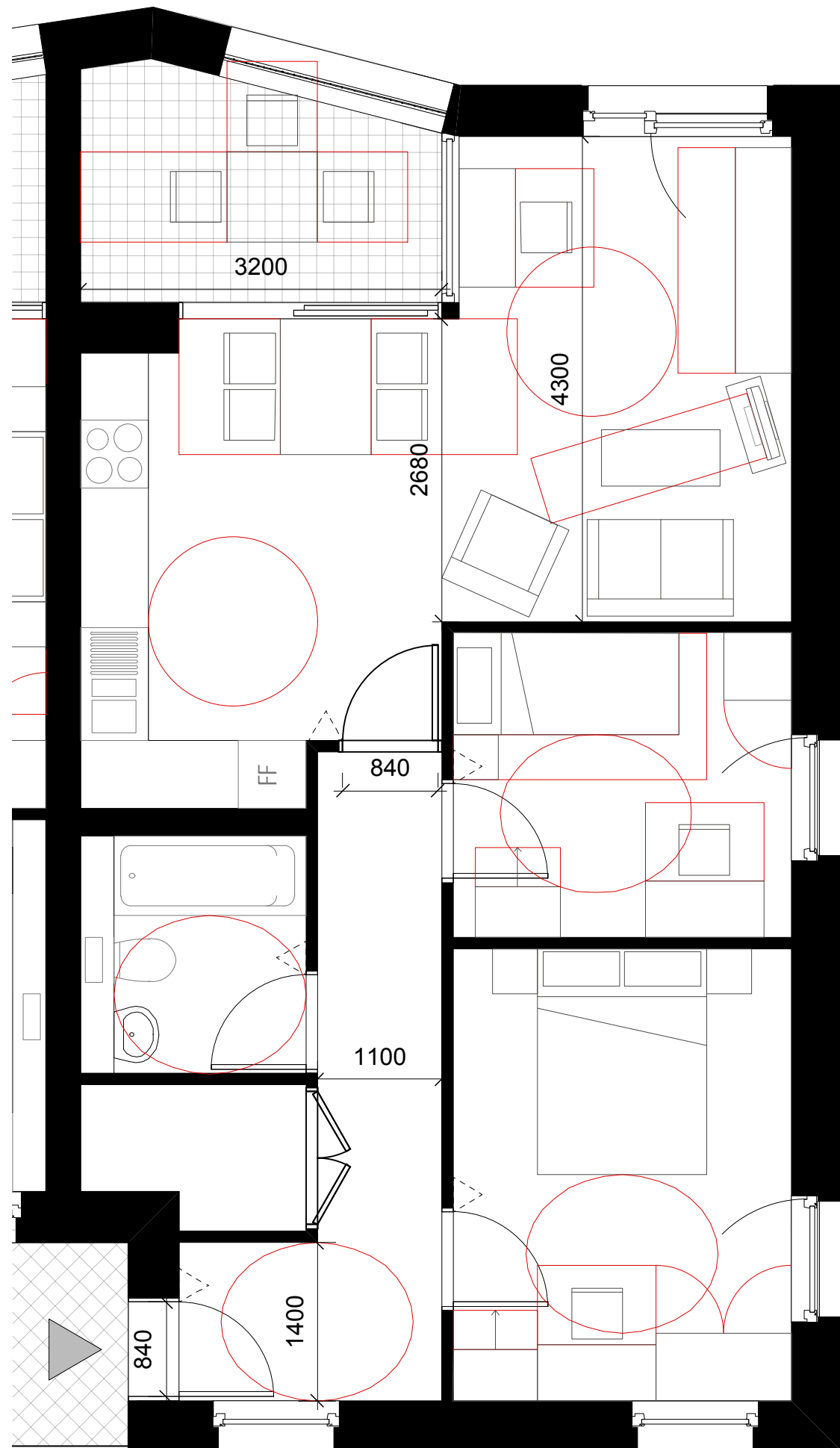
Rev.	Date	Description



Job No. <b>1423</b>	Job Name <b>Agar Grove</b>		
Title <b>Block CDE Lifetime Homes and Camden Wheelchair Accessible Housing</b>			
Status <b>PL</b>	Scale <b>1:50 &amp; 1:500</b>		
Drawing No. <b>1423_DWG_PL_CDE_00_302</b>	Date <b>13.12.13</b>	Revision	

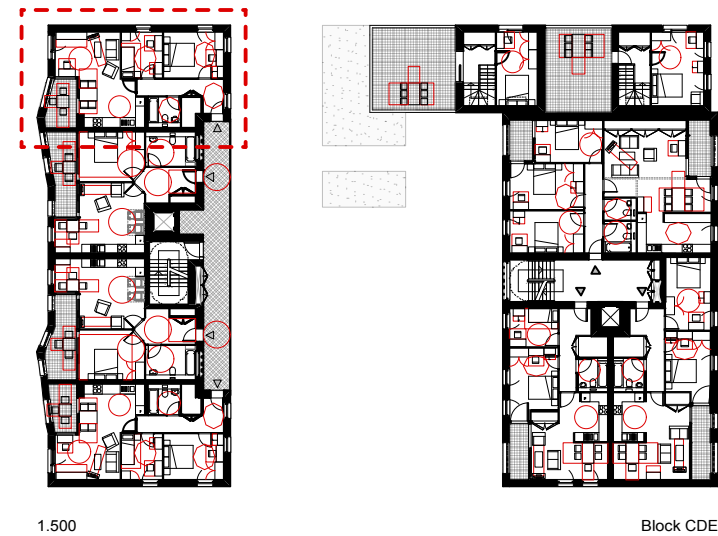
mæ

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1.50

Typical Upper 2B3P



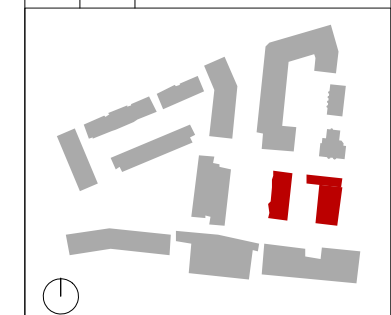
LIFETIME HOMES CHECKLIST		
1	Parking	N/A
2	Approach to dwelling from parking	N/A
3	Approach to all entrances	✓
4	Entrances	✓
5	Communal stairs and lifts	✓
6	Internal doorways and hallways	✓
7	Circulation space	✓
8	Entrance level living space	✓
9	Potential for entrance level bed space	✓
10	Entrance level WC and shower drainage	✓
11	WC and bathroom walls	✓
12	Stairs and potential through floor lift in dwelling	✓
13	A potential for fitting hoists and bedroom / bathroom	✓
14	Bathrooms	✓
15	Glazing and window handle heights	✓
16	Location of service controls	✓

**NOTES:**

1. Measurements are based on metric system
2. All levels are in meters to Principal Datum (PD) unless noted otherwise
3. Do not scale drawing
4. Figure dimensions are to be followed
5. Do not use for construction unless expressly permitted
6. Contractor should verify all conditions on site and notify contract administrator of any variations from dimensions before construction
7. Internal furniture is indicative only

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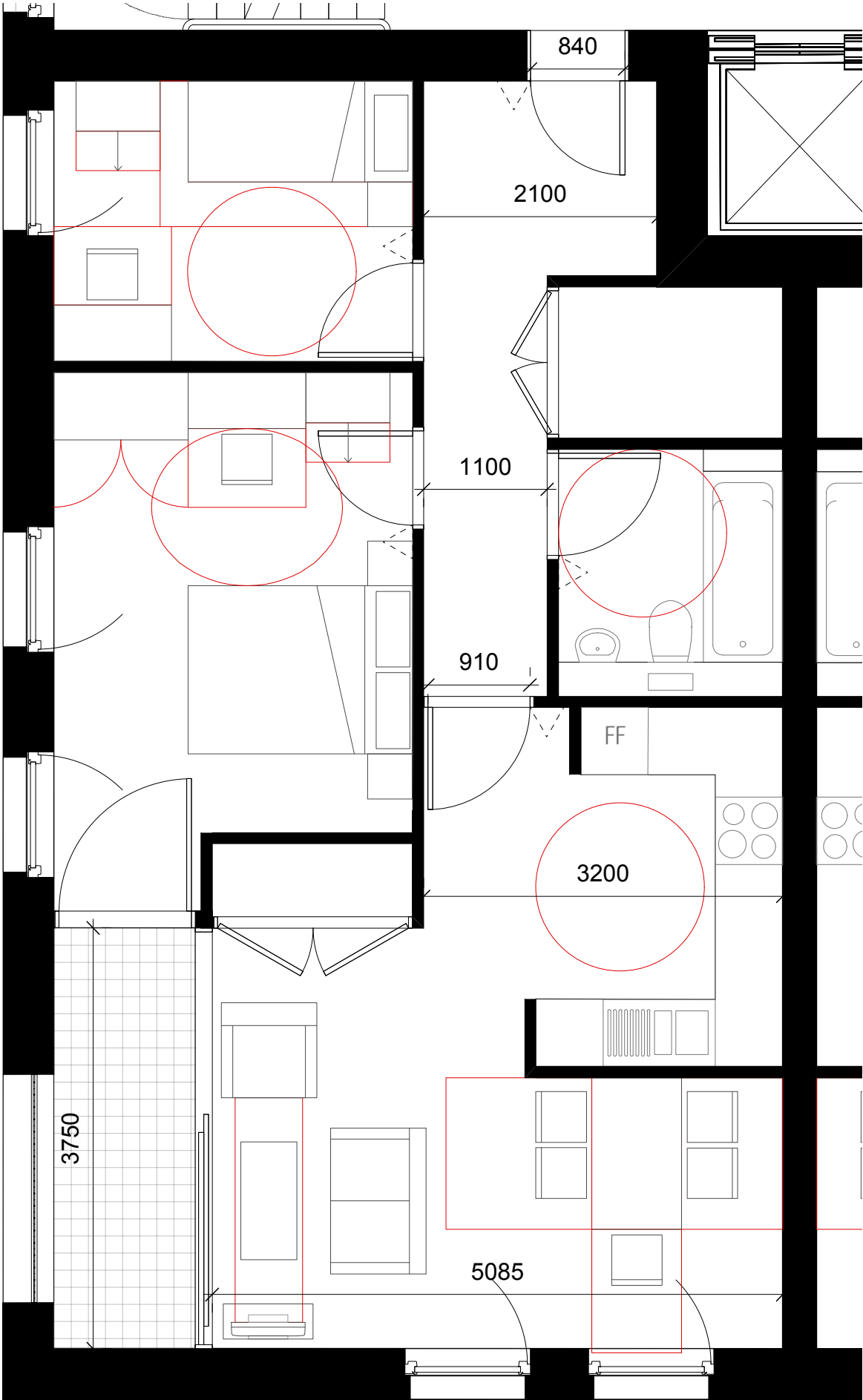


Job No. <b>1423</b>	Job Name <b>Agar Grove</b>	
Title <b>Block CDE Lifetime Homes and Camden Wheelchair Accessible Housing</b>		
Status <b>PL</b>	Scale <b>1:50 &amp; 1:500</b>	
Drawing No. <b>1423_DWG_PL_CDE_00_301</b>	Date <b>13.12.13</b>	Revision

mæ

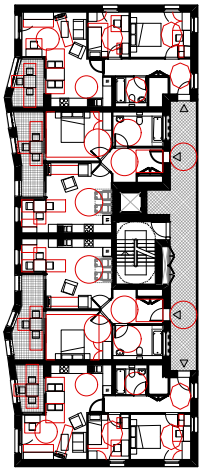
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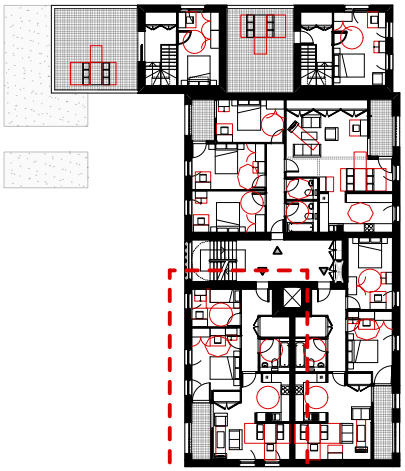


1.50

Typical Upper 2B3P



1.500



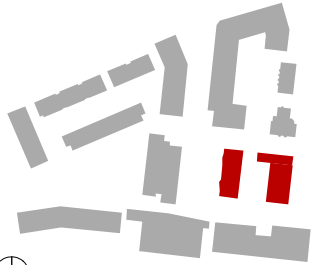
Block CDE

LIFETIME HOMES CHECKLIST		
1	Parking	N/A
2	Approach to dwelling from parking	N/A
3	Approach to all entrances	✓
4	Entrances	✓
5	Communal stairs and lifts	✓
6	Internal doorways and hallways	✓
7	Circulation space	✓
8	Entrance level living space	✓
9	Potential for entrance level bed space	✓
10	Entrance level WC and shower drainage	✓
11	WC and bathroom walls	✓
12	Stairs and potential through floor lift in dwelling	✓
13	A potential for fitting hoists and bedroom / bathroom	✓
14	Bathrooms	✓
15	Glazing and window handle heights	✓
16	Location of service controls	✓

NOTES:  
1. Measurements are based on metric system  
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3. Do not scale drawing  
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5. Do not use for construction unless expressly permitted  
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Rev.	Date	Description



Job No. 1423	Job Name Agar Grove	
Title Block CDE Lifetime Homes and Carnden Wheelchair Accessible Housing		
Status PL	Scale 1:50 & 1:500	
Drawing No. 1423_DWG_PL_CDE_00_300	Date 13.12.13	Revision

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# Agar Grove - London

Cityscape Verified View Methodology  
December 2013

cityscape



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- 0.2 View selection

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0.0 INTRODUCTION

0.1 Methodology overview

The methodology applied by Cityscape Digital Limited to produce the verified images or views contained in this document is described below. In the drafting of this methodology and the production and presentation of the images, guidance has been taken from the London View Management Framework SPG March 2012. The disciplines employed are of the highest possible levels of accuracy and photo-realism which are achievable with today’s standards of architectural photography and computer-generated models.

0.2 View selection

The viewpoints have been selected through a process of consultation with relevant statutory consultees and having regard to relevant planning policy and guidance.

1.0 PHOTOGRAPHY

1.1 Digital photography

With the latest advances in Digital Photography it is now possible to match the quality of plate photography. Due to the added benefits of time saving and flexibility Cityscape now employ full time in-house digital photographers.

1.2 Lenses

For local views a wide angle lens of 24mm or 35mm was used in order to capture as much of the proposal and its surroundings as possible. Intermediate distance views were photographed with a standard 35mm to 70mm.

As a guide, the following combinations were used:

Distance to subject	View and 5D	Canon Digital SLR, 1DS Mark III and 5D
0 - 800 metres	Local	24mm to 50mm 'L' series
800 to 5000 metres	Intermediate	24mm to 70mm 'L' series zoom

Examples of these views are shown in Figures 4 and 5.

1.3 Digital camera

Cityscape used a Canon 1DS (shown in figure 1), Canon Digital SLR, Canon 1DSMK3 or 5D (all full frame digital SLRs) high resolution digital camera for the digital photography. Also used were Canon's 'L' series professional tilt and shift lenses which produce high quality images that are suitable for the camera-matching process without the need for processing and scanning.

1.4 Position, time and date recording

The photographer was provided with (i) an Ordnance Survey map indicating the position of each viewpoint from which the required photographs were to be taken, and (ii) a digital photograph taken by Cityscape of the desired view. For each shot the camera was positioned at a height of 1.60/1.65 metres (depending on whether image is SPG or RPG3A view) above the ground level which closely approximates the human eye altitude. A point vertically beneath the centre of the lens was marked on the ground as a survey reference point and two digital reference photographs were taken of (i) the camera/tripod location and (ii) the survey reference point (as shown in Figures 2 and 3). The date and time of the photograph were recorded by the camera.





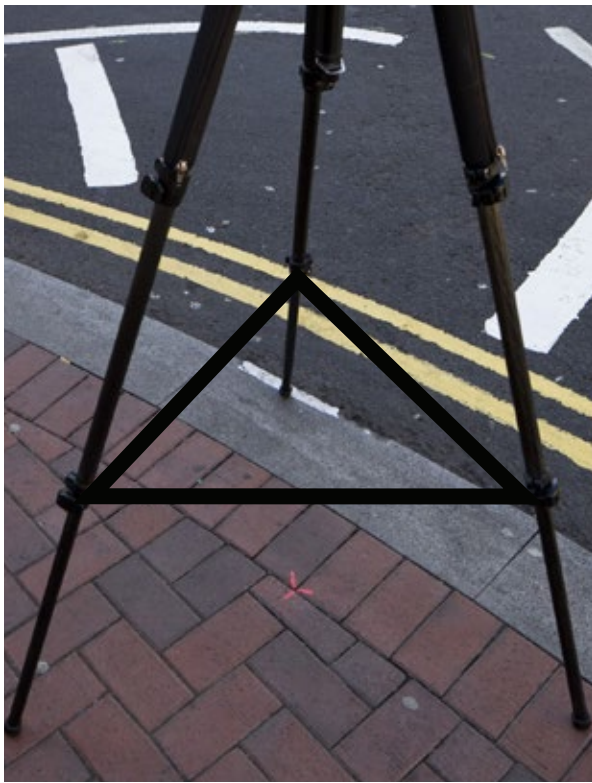
2



4



3



5



- 1 Canon 1DS Digital Camera
- 2 Camera Location
- 3 Survey reference point
- 4 Local view
- 5 Intermediate view



## 2.0 DIGITAL IMAGE CORRECTION

### 2.1 Raw file conversion

Canon cameras produce a raw file format, which is then processed digitally for both high detail and colour accuracy. The final image is outputted as a tiff<sup>1</sup> file.

### 2.2 Digital image correction

The digital images were then loaded into Cityscape’s computers running Adobe Photoshop®<sup>2</sup> software to prepare the digital image for the next stage of camera matching (see section 5). The image is also ‘bank’<sup>3</sup> corrected which means ensuring that the horizon in each digital image is precisely horizontal.

In spite of the selection of the most advanced photographic equipment, lenses are circular which results in a degree of distortion on the perimeter of images. The outer edges of an image are therefore not taken into consideration; this eliminates the risk of inaccuracy. Figure 17 in section 5 illustrates the ‘safe’ or non-distortive area of an image which is marked by the red circle.

The adjusted or corrected digital image, known as the ‘background plate’, is then saved to the Cityscape computer system ready for the camera matching process (see section 5). In preparation for the survey (see section 3) Cityscape marks up each background plate selecting a number of points in the view, such as corners of buildings, for survey (see Figures 6 and 7)

<sup>1</sup> TIFF is the name given to a specific format of image file stored digitally on a computer.

<sup>2</sup> Adobe Photoshop® is the industry standard image editing software.

<sup>3</sup> By aligning the vanishing points.

6







7

- 6 Background plate highlighting critical survey points in purple and secondary survey strings in red
- 7 Area of interest to be surveyed as shown in Figure 7



## 3.0 GPS SURVEY

### 3.1 Survey

Marshall Survey Associates Ltd. (MSA) were contracted to undertake the survey of (i) each viewpoint as marked on the ground beneath the camera at the time the photograph was taken (and recorded by way of digital photograph (see section 1 above)) and (ii) all the required points on the relevant buildings (as marked on the background plate).

The survey was co-ordinated onto the Ordnance Survey National Grid (OSGB36) by using Global Positioning System (GPS) equipment (see, for example, Figure 9) and processing software. The Ordnance Survey National Grid (OSGB36) was chosen as it is the most widely used and because it also allows the captured data to be incorporated into other available digital products (such as Ordnance Survey maps). The height datum used was Ordnance Survey Newlyn Datum and was also derived using the GPS.

MSA uses a baseline consisting of two semi-permanent GPS base stations (see Figure 10). These stations are located approximately 5730 metres apart and positioned so as to optimise the results for the area of operation (see location map, Figure 13). The base stations are tied into the National GPS Network and are constantly receiving and storing data which allows their position to be monitored and evaluated over long periods of operation. By using the same base stations throughout the survey MSA ensure the consistency of the results obtained.

Using the Real Time Kinematic method a real time correction is supplied by each base station to the rover (shown in Figure 10) (over the GSM<sup>4</sup> network) physically undertaking the field survey. This enables the rover to determine the co-ordinates of its location instantaneously (i.e. in ‘real time’). The rover

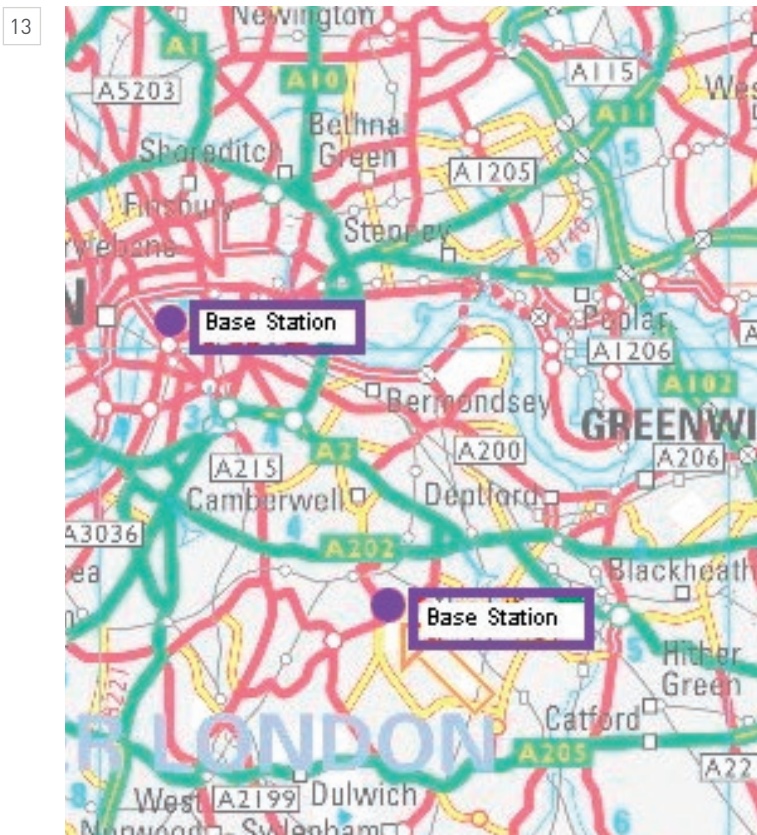
receives a ‘corrected’ fix (co-ordinates) from each base station. If the two independent fixes are each within a certain preset tolerance, the rover then averages the two fixes received. The viewpoints are, with a few exceptions, surveyed using this technique. This method of GPS survey (Real Time Kinematic) produces results to an accuracy in plan and height of between 15mm-50mm as outlined in the “Guidelines for the use of GPS in Land Surveying” produced by the Royal Institute of Chartered Surveyors.

The particular points on each building as marked up on the background plate are surveyed using conventional survey techniques utilising an electronic theodolite and reflectorless laser technology (shown in Figures 11 and 12). There are two methods used to fix the building details, namely polar observations<sup>5</sup> and intersection observations<sup>6</sup>. The position of the theodolite is fixed by the rover as described above. In certain circumstances, a viewpoint may need to be surveyed using conventional survey techniques as opposed to Real Time Kinematic, if, for example, the viewpoint is in a position where GPS information cannot be received.

<sup>4</sup> GSM network: the mobile phone network.

<sup>5</sup> Polar observation is the measurement of a distance and direction to a point from a known baseline in order to obtain co-ordinates for the point. The baseline is a line between two known stations.

<sup>6</sup>Intersection observation is the co-ordination of a point using directions only from two ends of a baseline.



- 8 Marshall Survey semi-permanent GPS base station
- 9 GPS System
- 10 Field survey being carried out using a GPS rover
- 11 Electronic Theodolite
- 12 Field survey being carried out by St. Paul's Cathedral
- 13 Location of Marshall Survey's GPS base stations



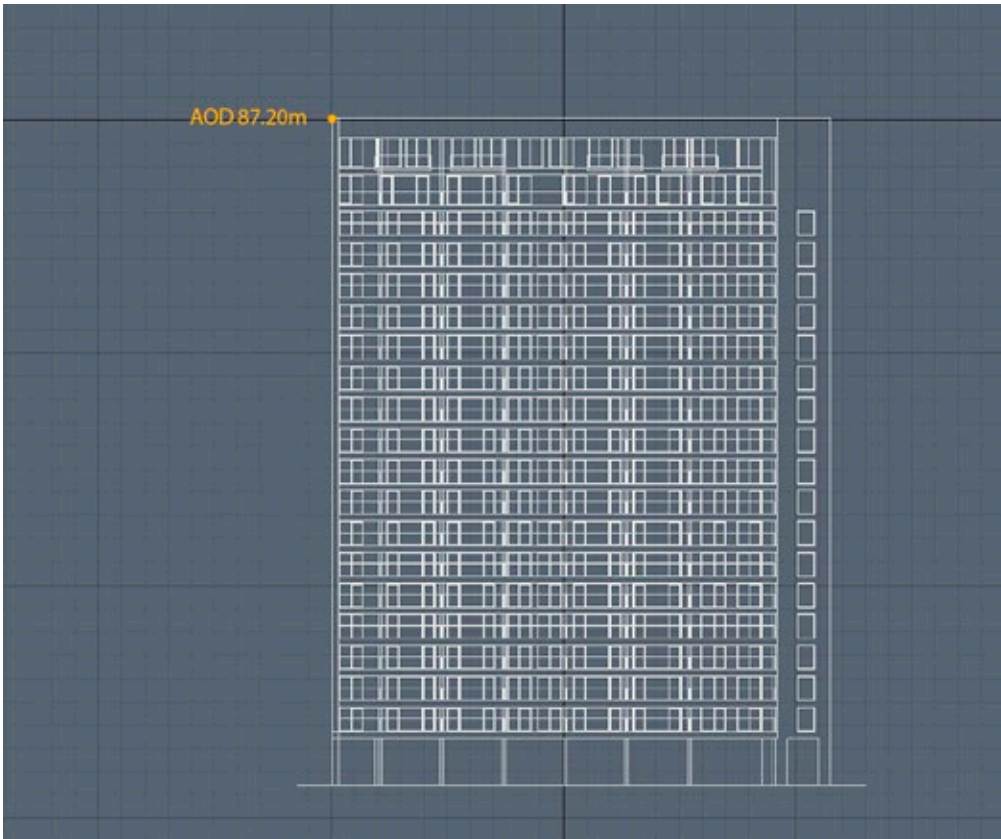
4.0 MODEL POSITIONING

4.1 Height and position check

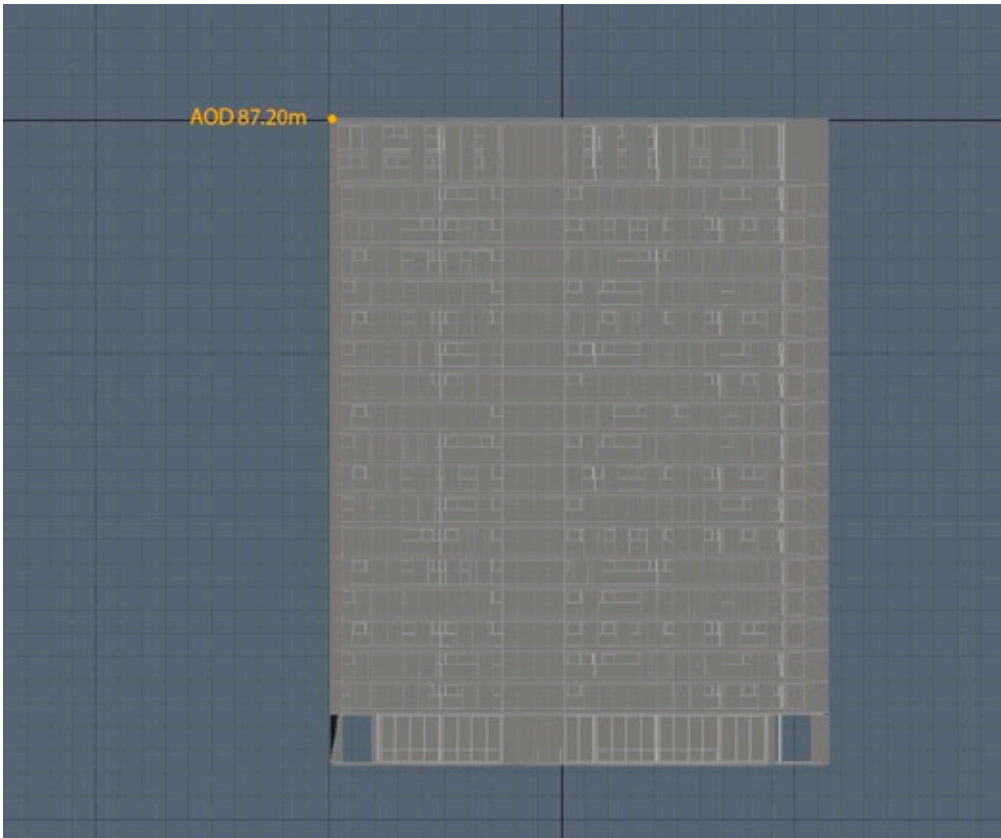
The model is positioned using a site plan provided by the architect. This is then overlaid onto OS positioned survey from ProMap. Once the building has been positioned in Lightwave confirmation of height and position is requested from the architect. Two clear reference points are agreed and used to confirm the site plan and Ordnance Survey. The height is cross checked against the architects section and given in metres Above Ordnance Survey Datum (AOD).



15a



15b



- 14a The Architect Plan
- 14b Cityscape Model Plan
- 15a The Architect Elevation
- 15b Cityscape Model Elevation



5.0 CAMERA MATCHING

5.1 Cityscape’s Database

Cityscape has built up a comprehensive database of survey information on buildings and locations in central London; the database contains both GPS survey information and information regarding the dimensions and elevations of buildings gathered from architects and other sources. Figure 16 shows a selection of GPS located models (yellow) within Cityscape’s database which effectively represents a 3D verified computer ‘model’ of some prominent buildings in central London. The term ‘3D model’ has been adopted with caution in this methodology as it is thought to be slightly misleading because not every building in central London is included in the database although the majority of those buildings which form part of the ‘skyline’ are included.

5.2 Creation of Scheme Model

The outlines of buildings are created by connecting the surveyed points or from the information obtained from architects’ drawings of particular buildings. By way of example of the high level of detail and accuracy, approximately 300 points have been GPS surveyed on the dome of St. Paul’s. The database ‘view’ (as shown in Figure 16) is ‘verified’ as each building is positioned using coordinates acquired from GPS surveys.

5.3 Camera Matching Process

In many instances, the various co-ordinates of a particular building featured in one of the background plates are already held by Cityscape as part of

their database of London. In such cases the survey information of buildings and locations provided by MSA (see section 4 above) is used to cross-check and confirm the accuracy of these buildings. Where such information is not held by Cityscape, it is, where appropriate, used to add detail to Cityscape’s database. The survey information provided by MSA is in all cases used in the verification process of camera matching.

A wireframe<sup>7</sup> 3D model of the proposed scheme is created by Cityscape from plans and elevations provided by the architects, Allies and Morrison and from survey information of the ground levels on site and various other points on and around the site, such as the edge of adjacent roads and bollards etc. provided by MSA.

The following information is required for the camera matching process:

- Specific details of the camera and lens used to take the photograph and therefore the field of view 10 (see section 1);
- The adjusted or corrected digital image i.e. the ‘background plate’ (see section 2);
- The GPS surveyed viewpoint co-ordinates (see section 3);
- The GPS surveyed co-ordinates of particular points on the buildings within the photograph (the background plate) (see section 3);
- Selected models from Cityscape’s database (see section 4);

- The GPS surveyed co-ordinates of the site of the proposed scheme (see section 4);
- A 3D model of the proposed scheme (see section 5).

A background plate (the corrected digital image) is opened on computer screen (for example, Figure 17), the information listed above is then used to situate Cityscape’s virtual camera such that the 3D model aligns exactly over the background plate (as shown in Figures 18 and 21) (i.e. a ‘virtual viewer’ within the 3D model would therefore be standing exactly on the same viewpoint from which the original photograph was taken (Figure 20). This is the camera matching process.

5.4 Wireline Image

Cityscape is then able to insert the wireframe 3D model of the proposed scheme into the view in the correct location and scale producing a verified wireline image of the proposal (shown in Figures 19 & 22).

The camera matching process is repeated for each view and a wireline image of the proposal from each viewpoint is then produced. The wireline image enables a quantitative analysis of the impact of the proposed scheme on views.

<sup>7</sup> A wireframe is a 3D model, a wireline is a single line representing the outline of the building.

- 16
- Selected GPS located models (yellow) from Cityscape’s database, situated on Cityscape’s London digital terrain model
- 17
- Background plate & selected 3D models as seen by the computer camera. Red circle highlights the safe or non-distortive area of the image
- 18
- Background plate matched to the 3D GPS located models
- 19
- The camera matched background plate with an example of a proposed scheme included in red
- 20
- Background plate: digital photograph, size and bank corrected as described in section 3
- 21
- Camera matching: the background plate matched in the 3D GPS located models
- 22
- The camera matched background plate with the proposed scheme included





17



20



21



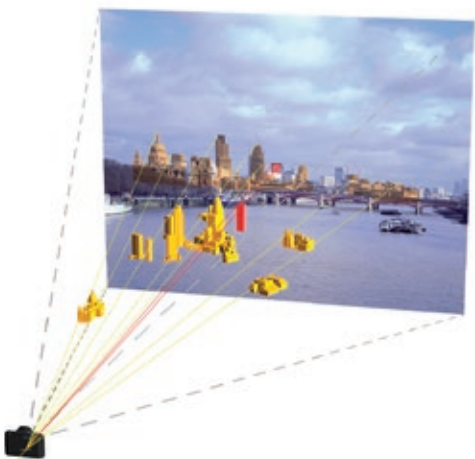
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18



19





6.0 POST PRODUCTION

6.1 Post production

Finally the rendered image of the scheme model is inserted and positioned against the camera matched background plate. Once in position the rendered images are edited using Adobe Photoshop®. Masks are created in Photoshop where the line of sight to the rendered image of the proposed scheme is interrupted by foreground buildings (as shown in Figure 27).

The result is a verified image or view of the proposed scheme (as shown in Figure 28).

23



23

Background plate

24

Background plate with rendered scheme positioned using the camera matching process Red area highlights the Photoshop mask that hides the unseen portion of the render

25

Shows a photo-realistic verified image

24



25



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