

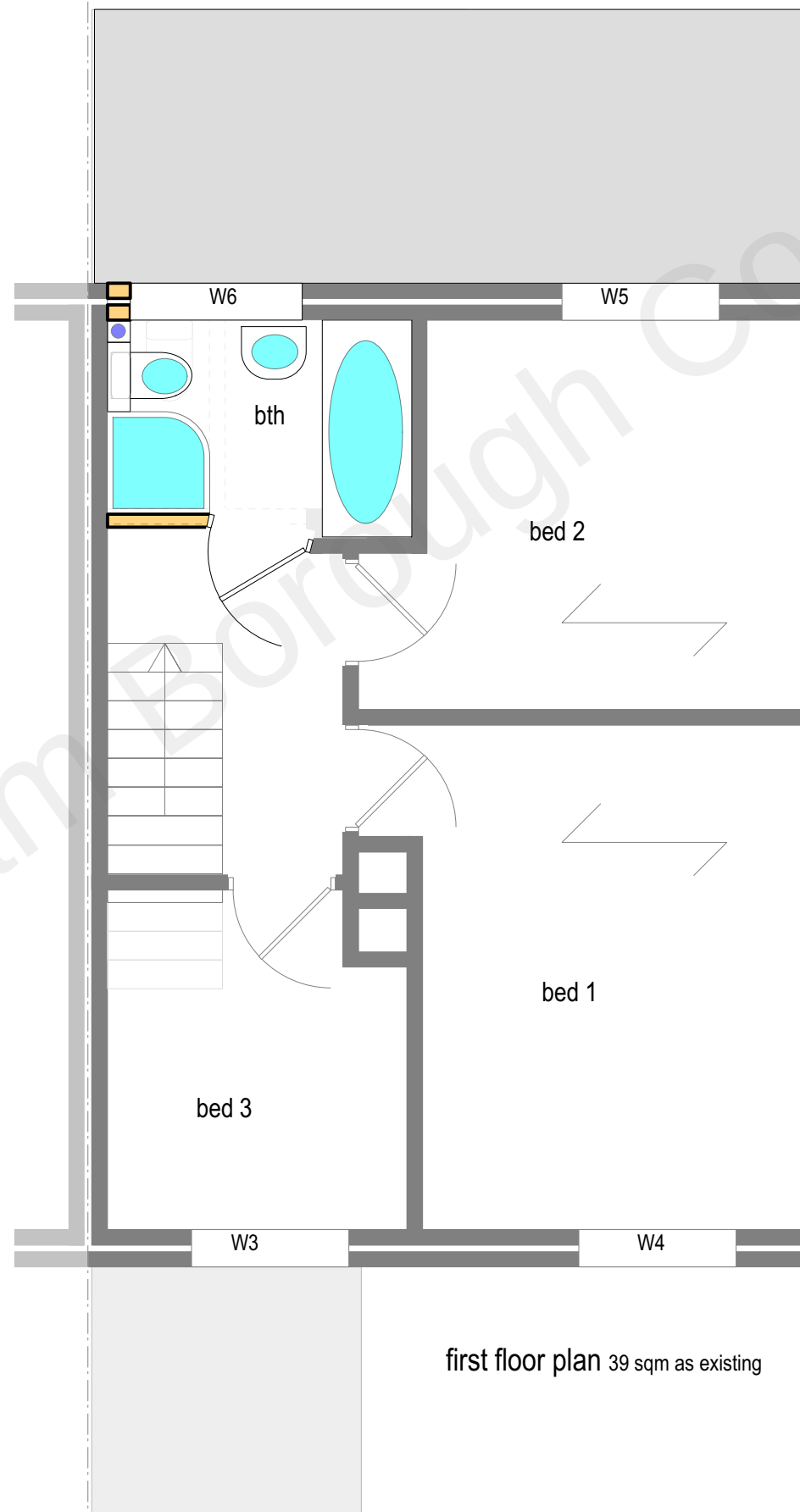
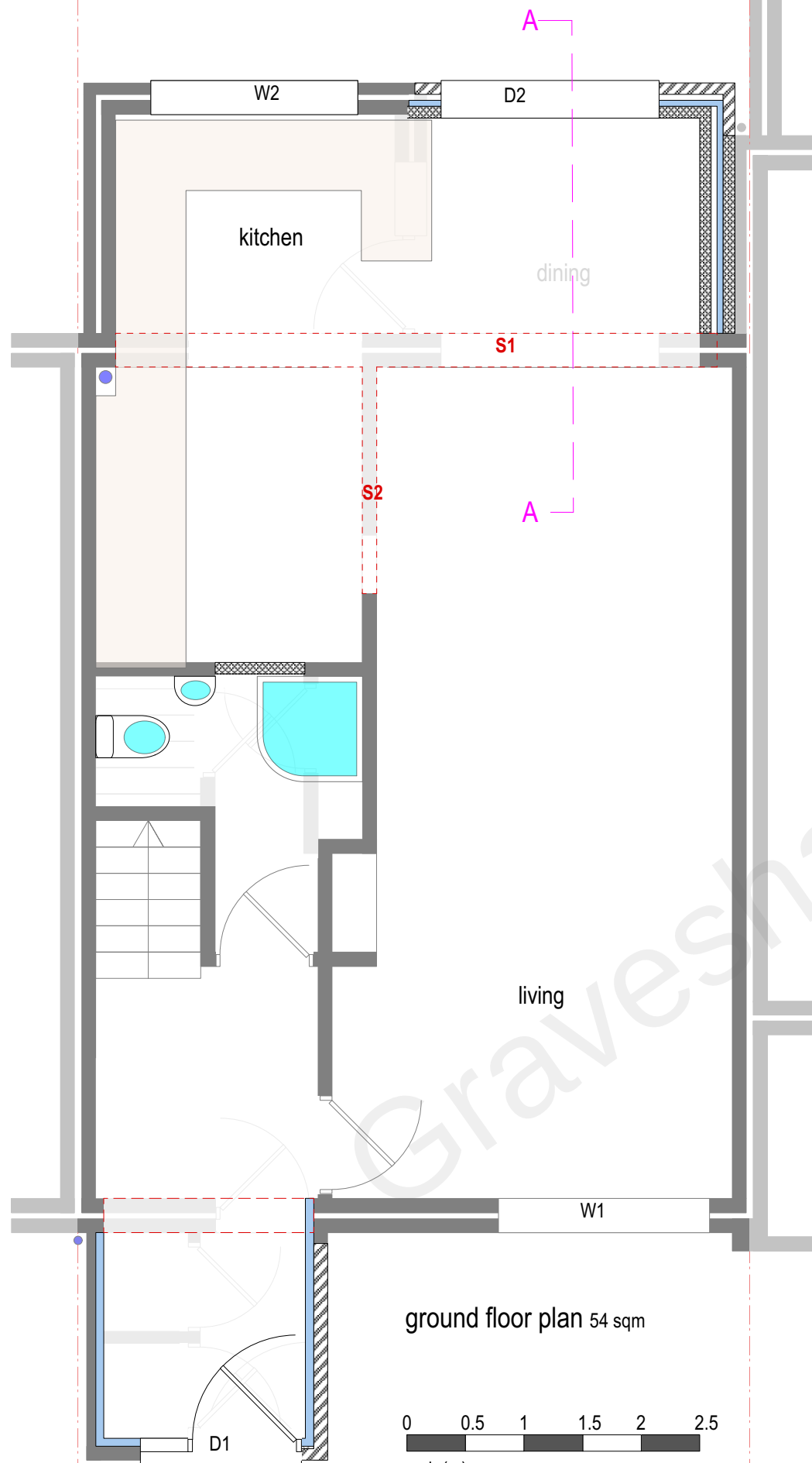
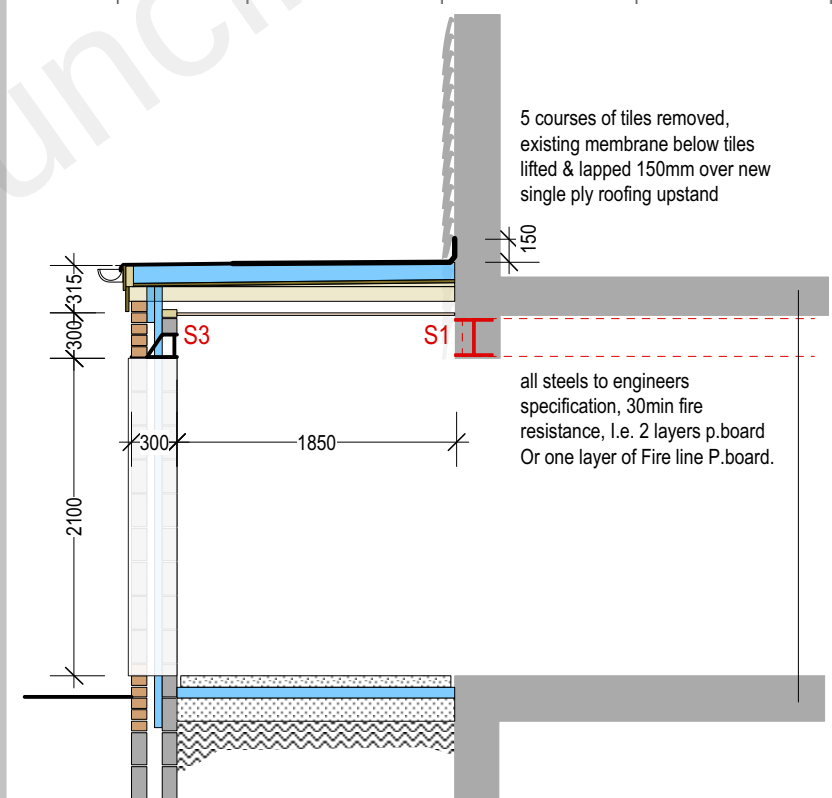


Table 7.2 Permissible clear spans for joists for flat roofs – access for maintenance and repair only
Imposed load 0.75 kN/m²
Strength Class C24 Service Class 1 or 2

Size of joist		Dead loads F _d (kN/m ²) excluding self-weight of joist								
		F _d not more than 0.50			F _d more than 0.5 but not more than 0.75			F _d more than 0.75 but not more than 1.00		
Breadth (mm)	Depth (mm)	Spacing of joists (mm)			Spacing of joists (mm)			Spacing of joists (mm)		
		400	450	600	400	450	600	400	450	600
		Maximum clear span (m)								
38	97	1.92	1.90	1.84	1.84	1.81	1.73	1.76	1.73	1.65
38	120	2.55	2.52	2.42	2.42	2.38	2.27	2.31	2.27	2.15
38	145	3.28	3.21	3.07	3.07	3.01	2.86	2.92	2.86	2.70
38	170	3.99	3.92	3.63	3.74	3.66	3.41	3.54	3.46	3.24
38	195	4.73	4.56	4.15	4.41	4.30	3.91	4.16	4.06	3.71
38	220	5.33	5.14	4.68	5.03	4.84	4.40	4.78	4.60	4.18
44	97	2.05	2.03	1.96	1.96	1.93	1.85	1.88	1.85	1.76
44	120	2.72	2.68	2.58	2.58	2.53	2.41	2.46	2.41	2.28
44	145	3.47	3.42	3.25	3.27	3.20	3.04	3.11	3.04	2.86
44	170	4.24	4.16	3.81	3.96	3.88	3.58	3.75	3.66	3.40
44	195	4.97	4.78	4.36	4.67	4.51	4.10	4.40	4.29	3.90
44	220	5.59	5.38	4.91	5.27	5.08	4.62	5.02	4.83	4.39



Floor - Insulation on Slab Under Screed

Inside surface resistance

Floor Screed

Polythene VCL

P/A Ratio

Use Target UValue (optional) W/m²K

Recticel insulation

Slab Thickness mm

Concrete, high density

Polythene DPM

Ground

U-value = 0.20W/m²K

CLIENT; Angela Lemon
PROJECT; 60 Cheyne Walk Meopham DA13 0PG
TITLE; proposed plans
SCALE; 1-50 DATE; Oct. 2022 DRAWN;GB
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