

BASIX Certificate

Building Sustainability Index www.basix.nsw.gov.au

Alterations and Additions

Certificate number: A422366

Pool and Spa

Rainwater tank

The applicant must install a rainwater tank of at least 5950 litres on the site. This rainwater tank must meet, and be installed in accordance with, the requirements of all applicable regulatory authorities.

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The applicant must configure the rainwater tank to collect rainwater runoff from at least 100 square metres of roof area.

The applicant must connect the rainwater tank to a tap located within 10 metres of the edge of the pool and outdoor spa.

Outdoor swimming pool

The swimming pool must be outdoors.

The swimming pool must not have a capacity greater than 59 kilolitres.

The swimming pool must have a pool cover.

The applicant must install a pool pump timer for the swimming pool.

The applicant must not incorporate any heating system for the swimming pool that is part of this development.

Outdoor spa

The spa must not have a capacity greater than 6.3 kilolitres.

The spa must have a spa cover.

The applicant must install a spa pump timer.

The applicant must install the following heating system for the outdoor spa that is part of this development: electric heat pump.

Fixtures and systems

Lighting

The applicant must ensure a minimum of 40% of new or altered light fixtures are fitted with fluorescent, compact fluorescent, or light-emitting-diode (LED) lamps.

The applicant must ensure new or altered taps have a flow rate no greater than 9 litres per minute or minimum 3 star water rating.

Fixtures

The applicant must ensure new or altered showerheads have a flow rate no greater than 9 litres per minute or a 3 star water rating.

The applicant must ensure new or altered toilets have a flow rate no greater than 4 litres per average flush or a minimum 3 star water rating.

Construction	Additional insulation required (R-value)	Other specifications	
concrete slab on ground floor.	nil		
suspended floor above garage: framed (R0.7).	nil		
floor above existing dwelling or building.	nil		
external wall: brick veneer	R1.16 (or R1.70 including construction)		
external wall: cavity brick	nil		
external wall: framed (weatherboard, fibro, metal dad)	R1.30 (or R1.70 including construction)		
external wall: other/undecided	R1.70 (including construction)		
internal wall shared with garage: single skin masonry (R0.18)	nil		
flat ceiling, pitched roof	œiling: R2.50 (up), roof: foil/sarking	medium (solar absorptance 0.475 - 0.70)	
raked ceiling, pitched/skillion roof; framed	œiling: R2.50 (up), roof: foil/sarking	medium (solar absorptance 0.475 - 0.7	

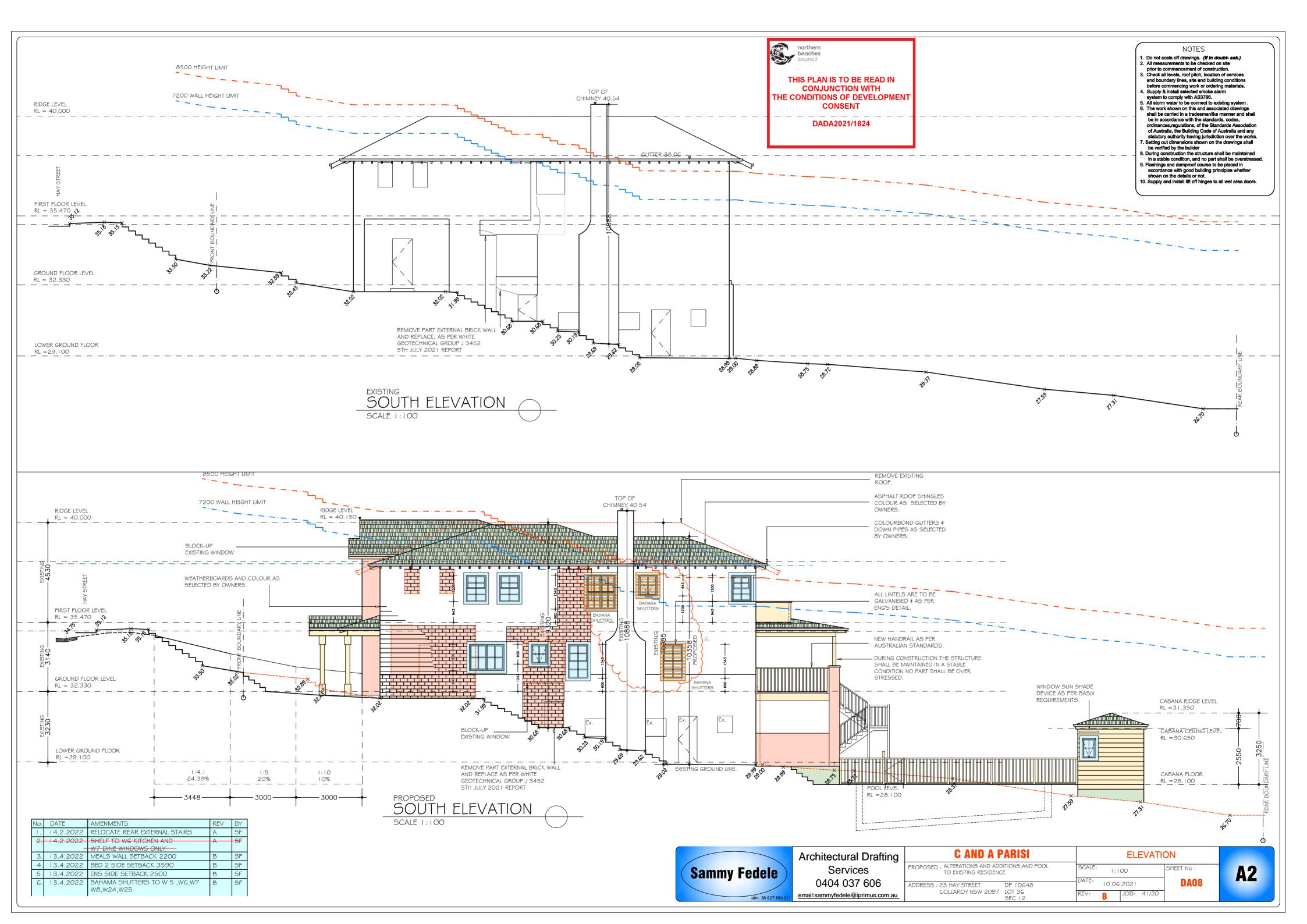
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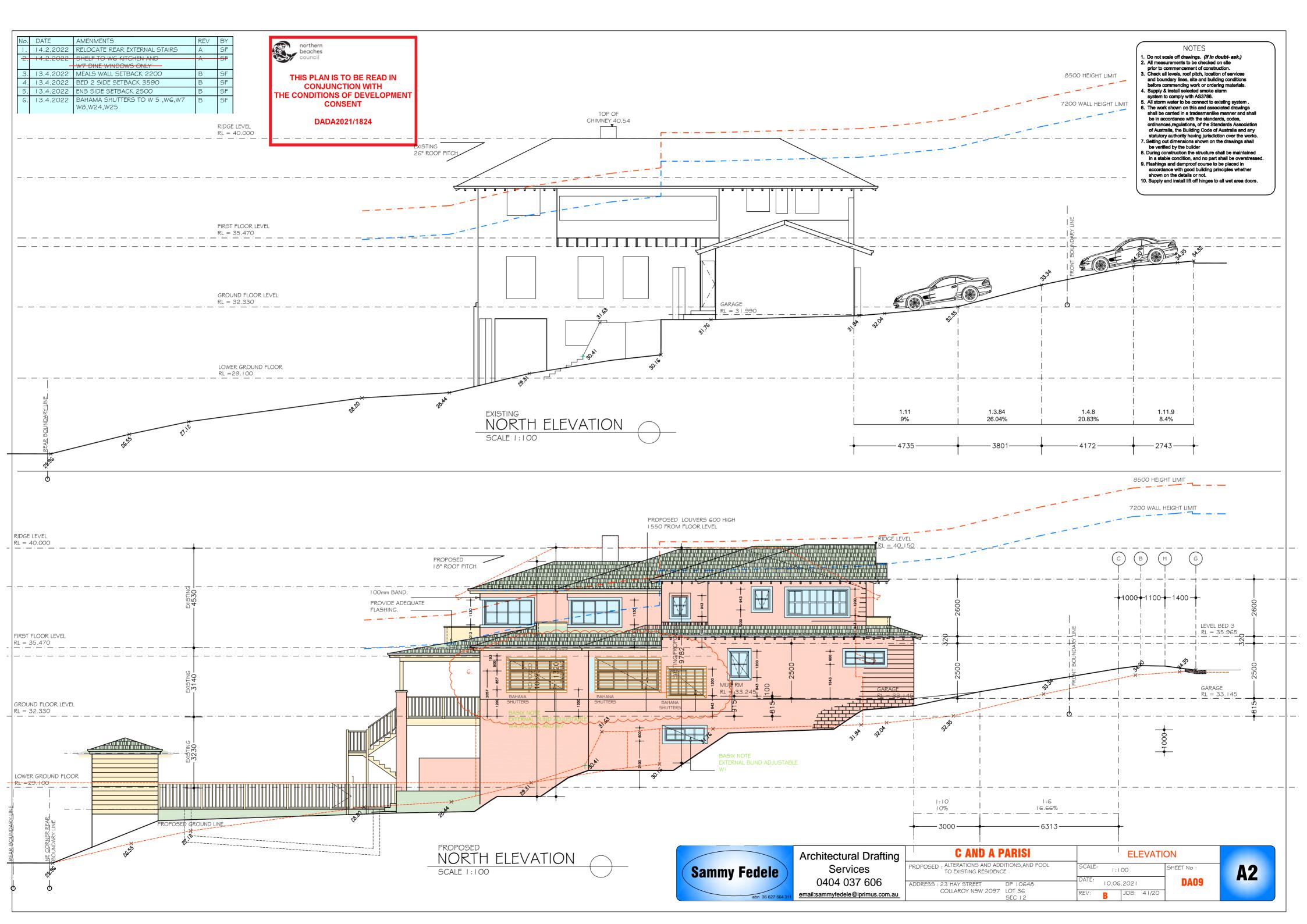
Window/door	Orientation	Area of	f Overshadowing		Shading device	Frame and glass type		
no.		glass inc. frame (m2)	Height (m)	Distance (m)				
W1	N	1.07	0	0	external louvre/blind (adjustable)	standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)		
W2	S	0.55	0	0	eave/verandah/pergola/balcony >=600 mm	standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)		
W3	N	1.08	0	0	projection/height above sill ratio >=0.29	standard aluminium, single pyrolytic low-e, (U-value: 5.7, SHGC: 0.47)		
W4	N	1.02	0	0	external louvre/blind (adjustable)	standard aluminium, single pyrolytic low-e, (U-value: 5.7, SHGC: 0.47)		
W5	N	1.88	0	0	external louvre/blind (adjustable)	standard aluminium, single pyrolytic low- (U-value: 5.7, SHGC: 0.47)		
VV6	N	4.8	0	0	external louvre/blind (adjustable)	standard aluminium, single pyrolytic low- (U-value: 5.7, SHGC: 0.47)		
W7	N	4	0	0	external louvre/blind (adjustable)	standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)		
W8	S	1.3	0	0	rone	standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)		
W9	S	1.3	0	0	rone	standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)		
W10	S	0.67	0	0	rone	standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)		
W11	S	1.88	0	0	rone	standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)		
W12	W	3	0	0	eave/verandah/pergola/balcony >=900 mm	standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)		
W13	N	3.32	0	0	eave/verandah/pergola/balcony >=450 mm	standard aluminium, single pyrolytic low-e, (U-value: 5.7, SHGC: 0.47)		

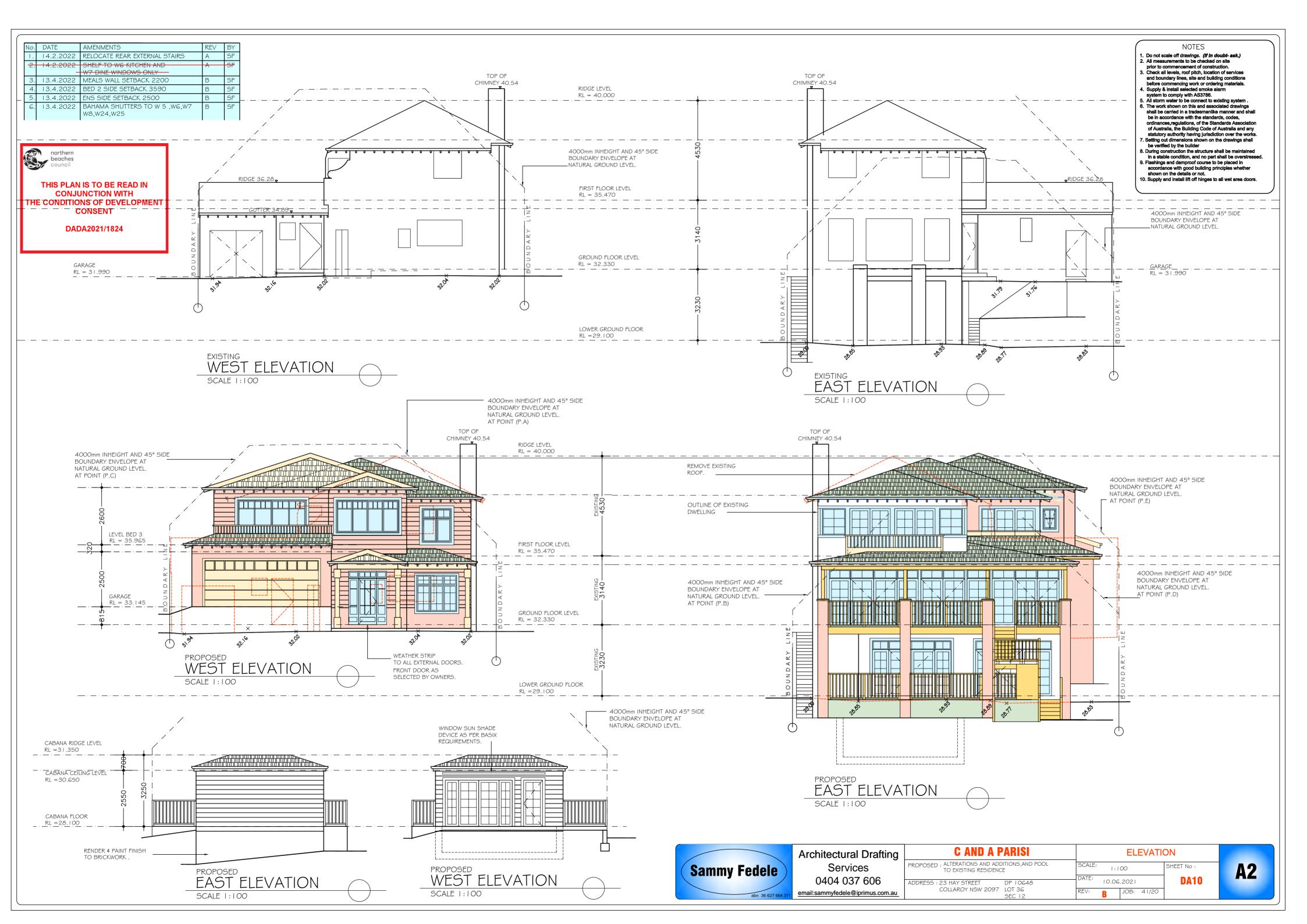
Window/door no.	Orientation	Area of	Overshadowing		Shading device	Frame and glass type	
		glass inc. frame (m2)	Height (m)	Distance (m)			
D11	W	6.7	0	0	eave/verandah/pergola/balcony >=600 mm	improved aluminium, single pyrolytic low-e (U-value: 4.48, SHGC: 0.46)	

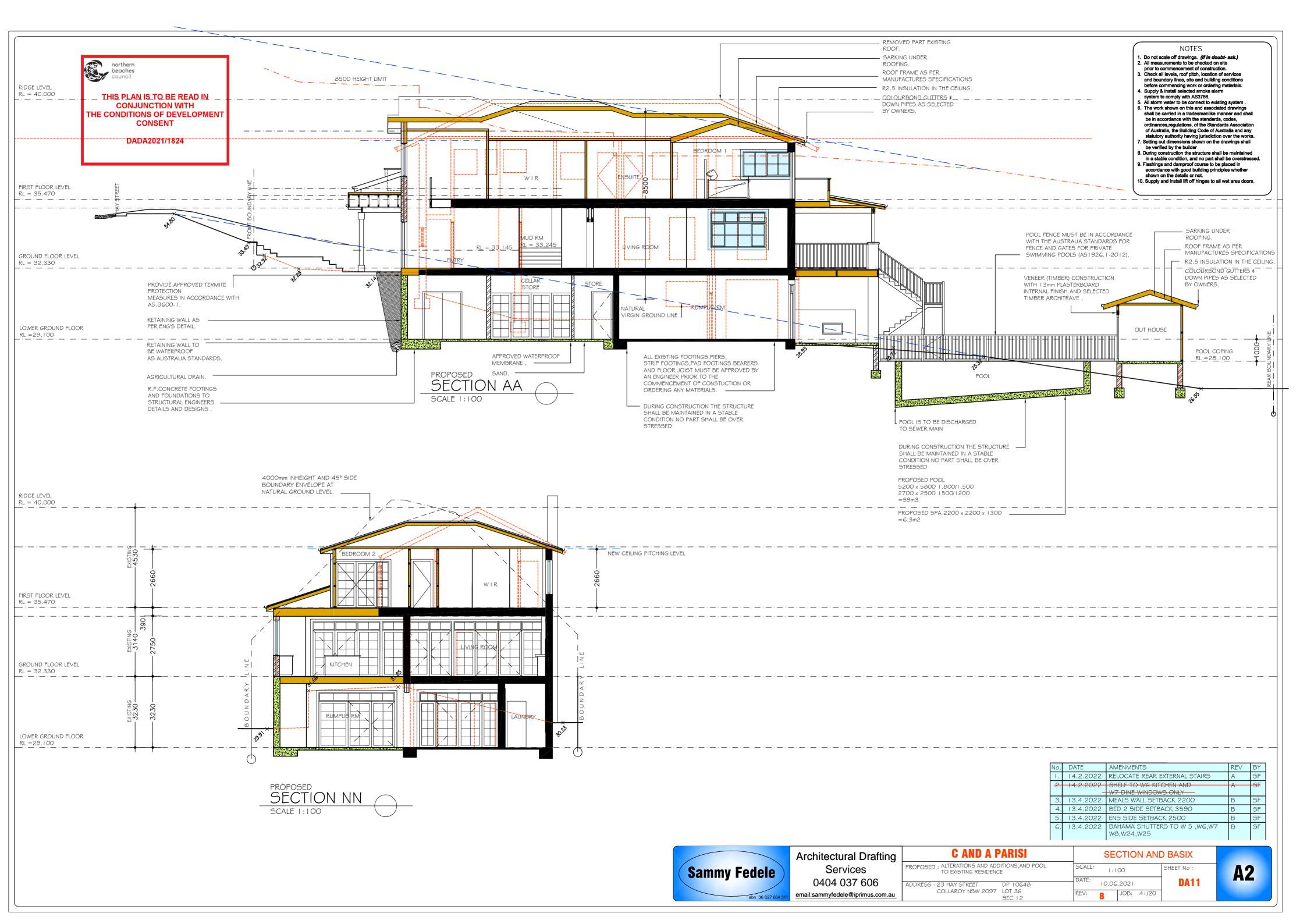
no.		glass inc. frame (m2)	Height (m)	Distance (m)			
W14	N	0.68	0	0	eave/verandah/pergola/balcony >=450 mm	standard aluminium, single pyrolytic low-e, (U-value: 5.7, SHGC: 0.47)	
W15	N	0.68	0	0	eave/verandah/pergola/balcony >=450 mm	standard aluminium, single pyrolytic low-e, (U-value: 5.7, SHGC: 0.47)	
W16	E	0.57	0	0	eave/verandah/pergola/balcony >=450 mm	standard aluminium, single pyrolytic low-e, (U-value: 5.7, SHGC: 0.47)	
W17	N	2.6	0	250	eave/verandah/pergola/balcony >=450 mm	standard aluminium, single pyrolytic low-e, (U-value: 5.7, SHGC: 0.47)	
W18	N	2.5	0	0	eave/verandah/pergola/balcony >=450 mm	standard aluminium, single pyrolytic low-e, (U-value: 5.7, SHGC: 0.47)	
W19	E	0.51	0	0	eave/verandah/pergola/balcony >=450 mm	standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)	
W20	E	1.3	0	0	eave/verandah/pergola/balcony >=450 mm	standard aluminium, single pyrolytic lov (U-value: 5.7, SHGC: 0.47)	
W21	E	1.2	0	0	eave/verandah/pergola/balcony >=450 mm	standard aluminium, single pyrolytic low-e, (U-value: 5.7, SHGC: 0.47)	
W22	E	1.2	0	0	eave/verandah/pergola/balcony >=450 mm	standard aluminium, single pyrolytic low-e, (U-value: 5.7, SHGC: 0.47)	
W23	S	1.08	0	0	eave/verandah/pergola/balcony >=450 mm	standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)	
W24	S	0.8	0	0	eave/verandah/pergola/balcony >=450 mm	standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)	
W25	S	2	0	0	eave/verandah/pergola/balcony >=450 mm	standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)	
W26	S	1.08	0	0	eave/verandah/pergola/balcony >=450 mm	standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)	

Window / door	Orientation	Area of	Overshadowing		Shading device	Frame and glass type	
no.		glass inc. frame (m2)	Height (m)	Distance (m)			
W27	S	1.08	0	0	eave/verandah/pergola/balcony >=450 mm	standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)	
W28	W	2.05	0	0	eave/verandah/pergola/balcony >=450 mm	aluminium, single Lo-Tsol low-e, (U-value: 5.6, SHGC: 0.36)	
W29	W	4.2	0	0	eave/verandah/pergola/balcony >=600 mm	improved aluminium, single pyrolytic low-e, (U-value: 4.48, SHGC: 0.46)	
D1	N	11.3	0	0	eave/verandah/pergola/balcony >=900 mm	standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)	
D2	N	9.07	0	0	eave/verandah/pergola/balcony >=900 mm	standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)	
D3	W	6.3	0	0	eave/verandah/pergola/balcony >=900 mm	standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)	
D4	E	11	0	0	eave/verandah/pergola/balcony >=900 mm	standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)	
D5	E	8	0	0	pergola (adjustable shade) >=900 mm	standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)	
D6	E	10.2	0	0	eave/verandah/pergola/balcony >=900 mm	standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)	
D7	W	4.7	0	0	eave/verandah/pergola/balcony >=900 mm	standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)	
D8	E	3.9	0	0	eave/verandah/pergola/balcony >=450 mm	standard aluminium, single pyrolytic low-e (U-value: 5.7, SHGC: 0.47)	
D9	E	3.9	0	0	eave/verandah/pergola/balcony >=450 mm	standard aluminium, single pyrolytic low-e, (U-value: 5.7, SHGC: 0.47)	
D10	E	3.9	0	0	eave/verandah/pergola/balcony >=450 mm	standard aluminium, single pyrolytic low-e, (U-value: 5.7, SHGC: 0.47)	











8500 HEIGHT LIMIT BEDROOM 3 ENSUITE FIRST FLOOR LEVEL RL = 35.470 BEDROOM 2 GARAGE MEALS GROUND FLOOR LEVEL RL = 32.330 RUMPUS RM STORE STUDY LOWER GROUND FLOOR RL = 29.100 PROPOSED SECTION MM

No.	DATE	AMENMENTS	REV	BY
1.	14.2.2022	RELOCATE REAR EXTERNAL STAIRS	Α	SF
2.	 4.2.2022 -	SHELF TO WG KITCHEN AND W7 DINE WINDOWS ONLY	Α	SF
3.	13.4.2022	MEALS WALL SETBACK 2200	В	SF
4.	13.4.2022	BED 2 SIDE SETBACK 3590	В	SF
5.	13.4.2022	ENS SIDE SETBACK 2500	В	SF
6.	13.4.2022	BAHAMA SHUTTERS TO W 5 ,W6,W7 W8,W24,W25	В	SF

A2



Architectural Drafting	
Services	PROPOSI
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SECTION AND BASIX				
	00	SHEET No :		
REV: B	.2021 JOB: 41/20	DA11A		
D#	CALE: 1:1 ATE: 10.06	CALE: 1:100 ATE: 10.06.2021		



