DEVELOPMENT APPLICATION

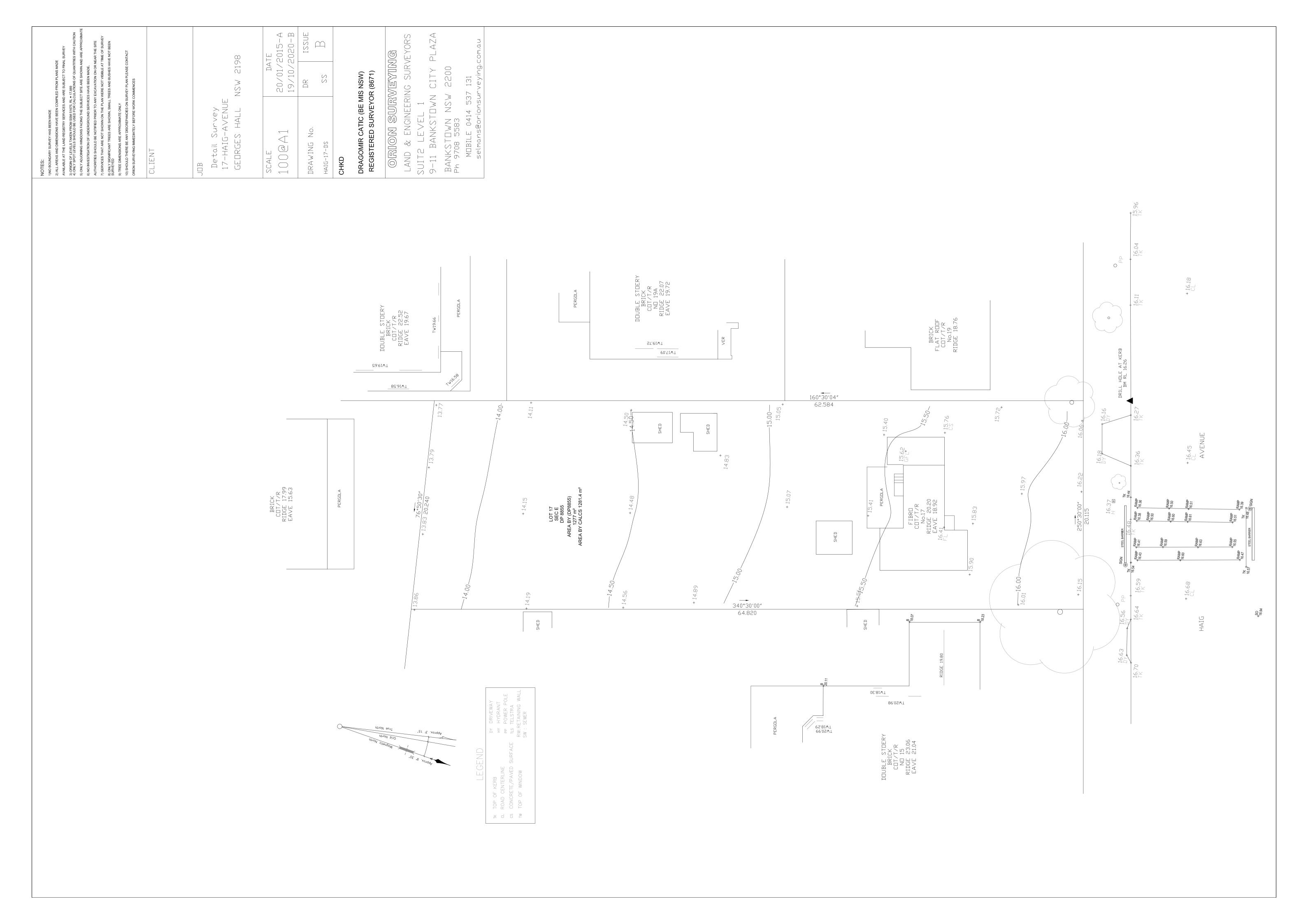
Drawing Index

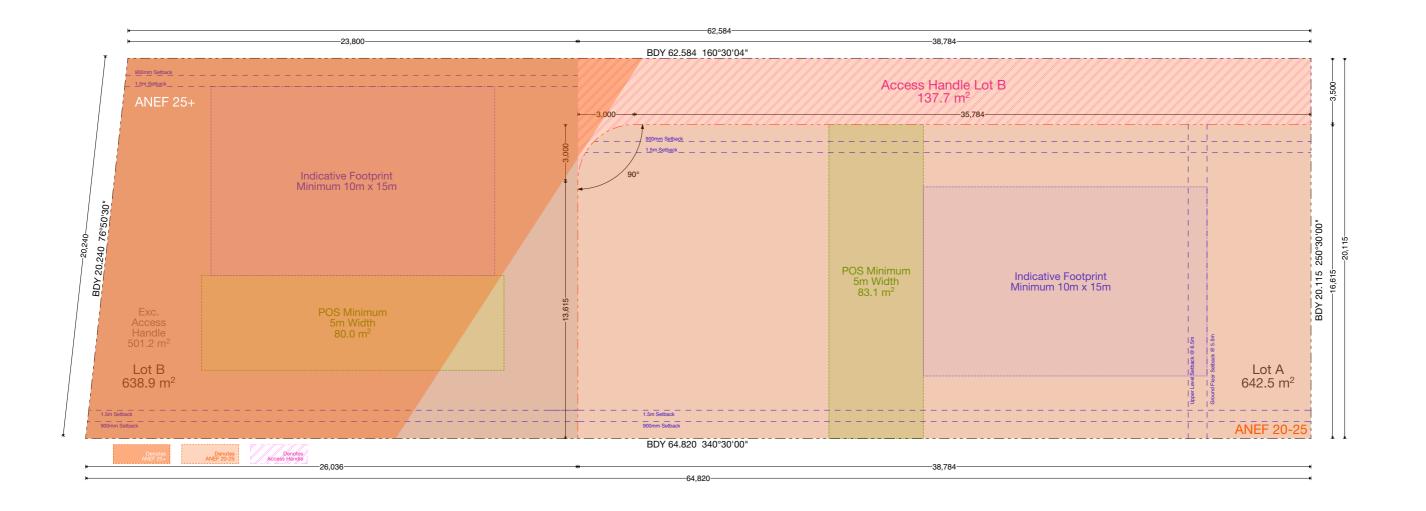
ID	Layout Name	Scale
DA.00	Coversheet	NTS
DA.01	Survey	1:100
DA.02	Subdivision Plan	1:200
DA.03	Demolition Plan	1:200
DA.04	Site Location Plan	1:4000
DA.05	Site Analysis Plan	1:200
DA.06	Ground Floor	1:200
DA.07	First Floor	1:200
DA.08	Roof Plan	1:200
DA.09	Elevations I North & South	1:100
DA.010	Elevations I East & West	1:200
DA.011	Sections I 1 & 2	1:200
DA.012	Sections I 3 & 4	1:100
DA.013	Window I Door Schedule	NTS
DA.014	BASIX Commitment	NTS
DA.015	Area Computations	1:500
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DA.017	Shadow Diagrams Equinox	1:1000
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DA.020	Proposed Easement	1:500
DA.021	Schedule of Finishes	NTS
DA.022	Architectural Visualisation	NTS



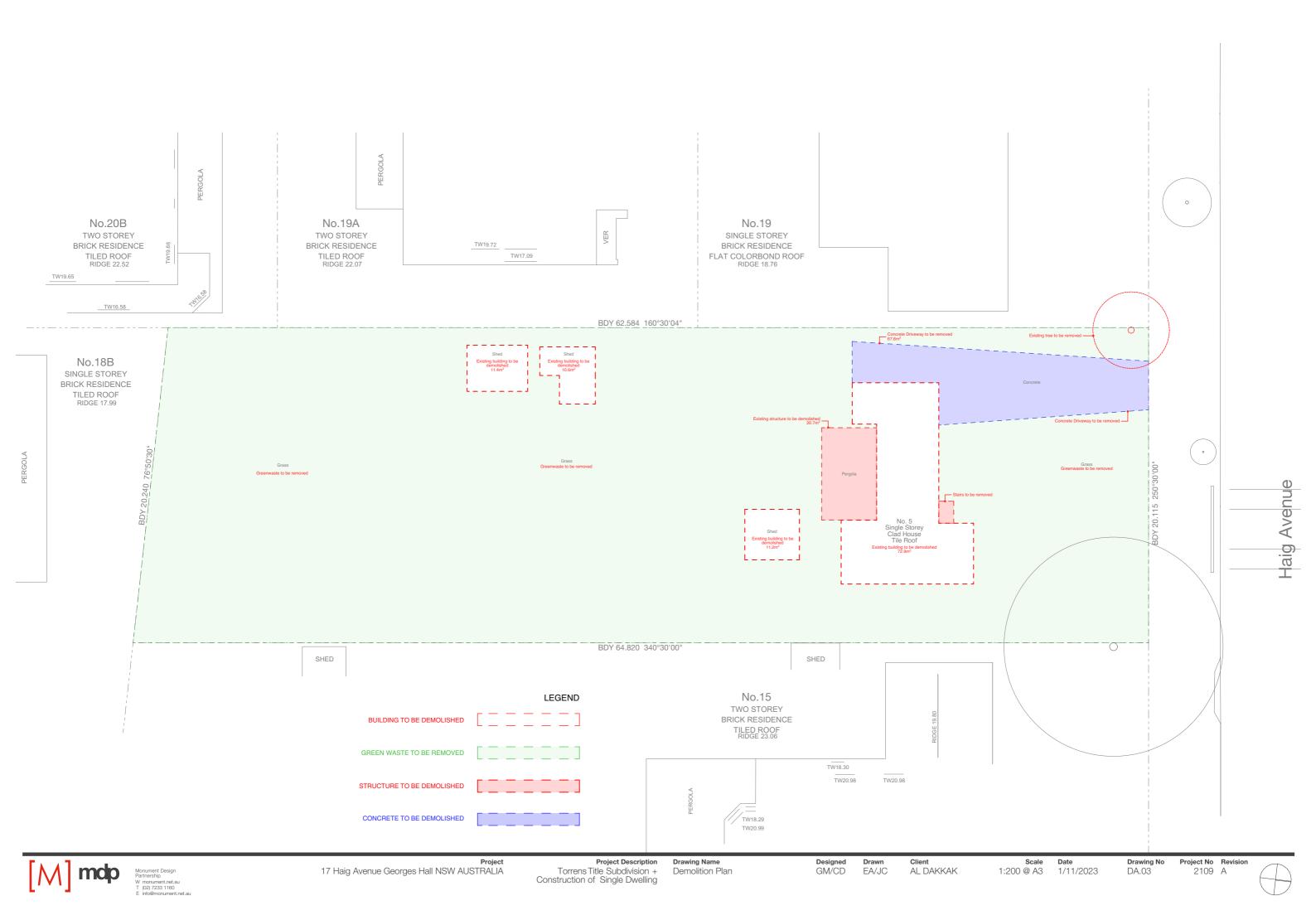


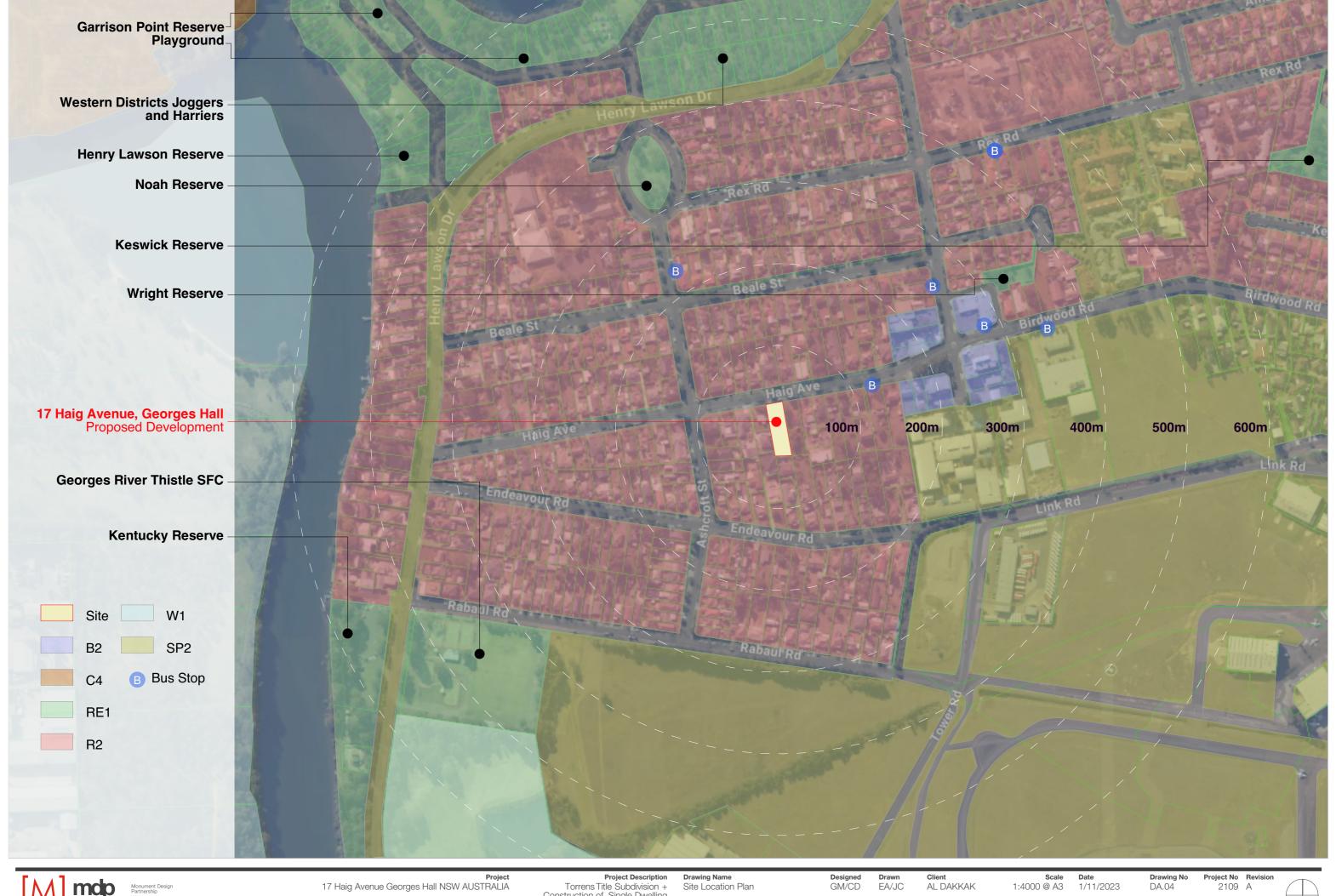
Neighbour Notification



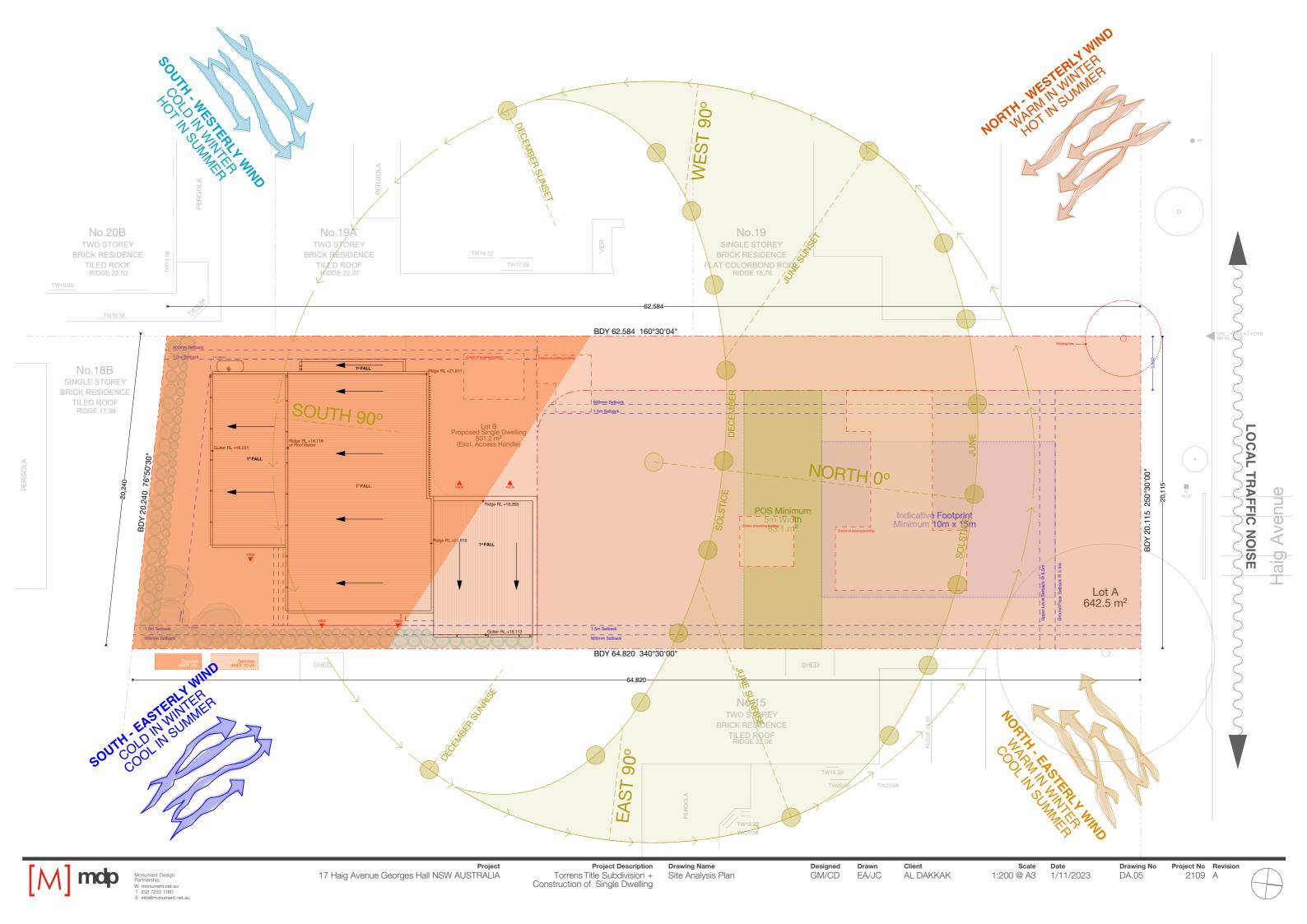


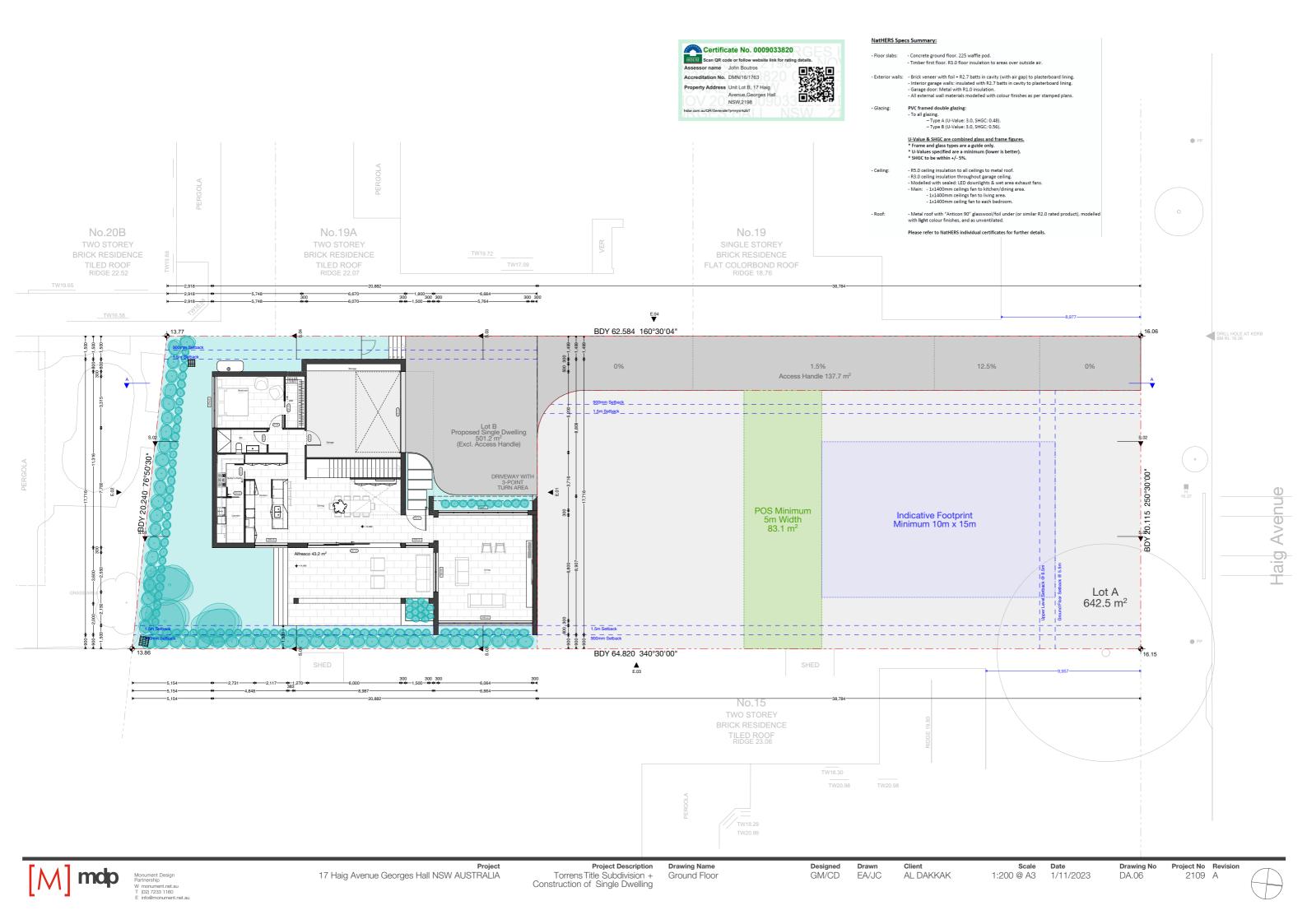


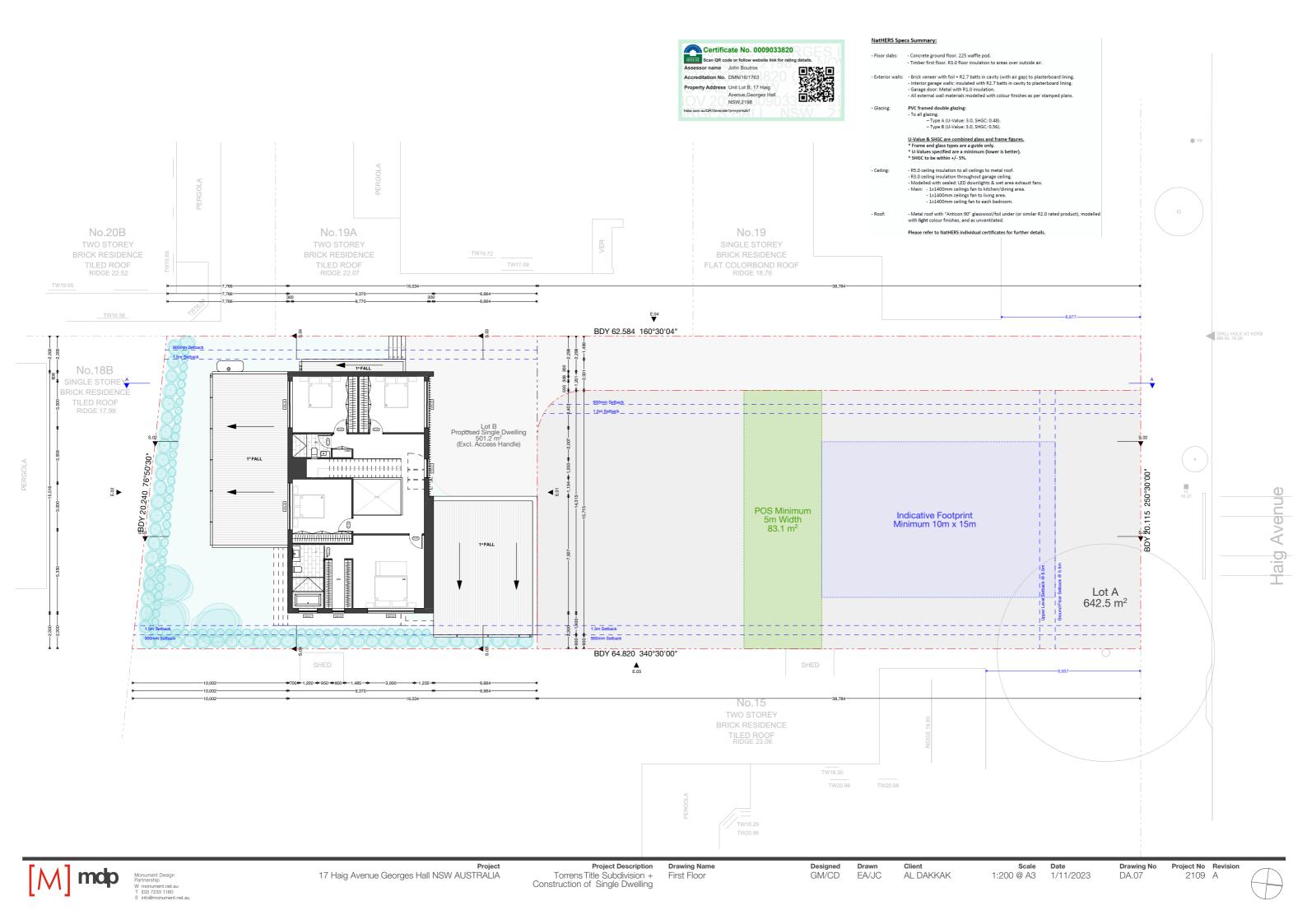


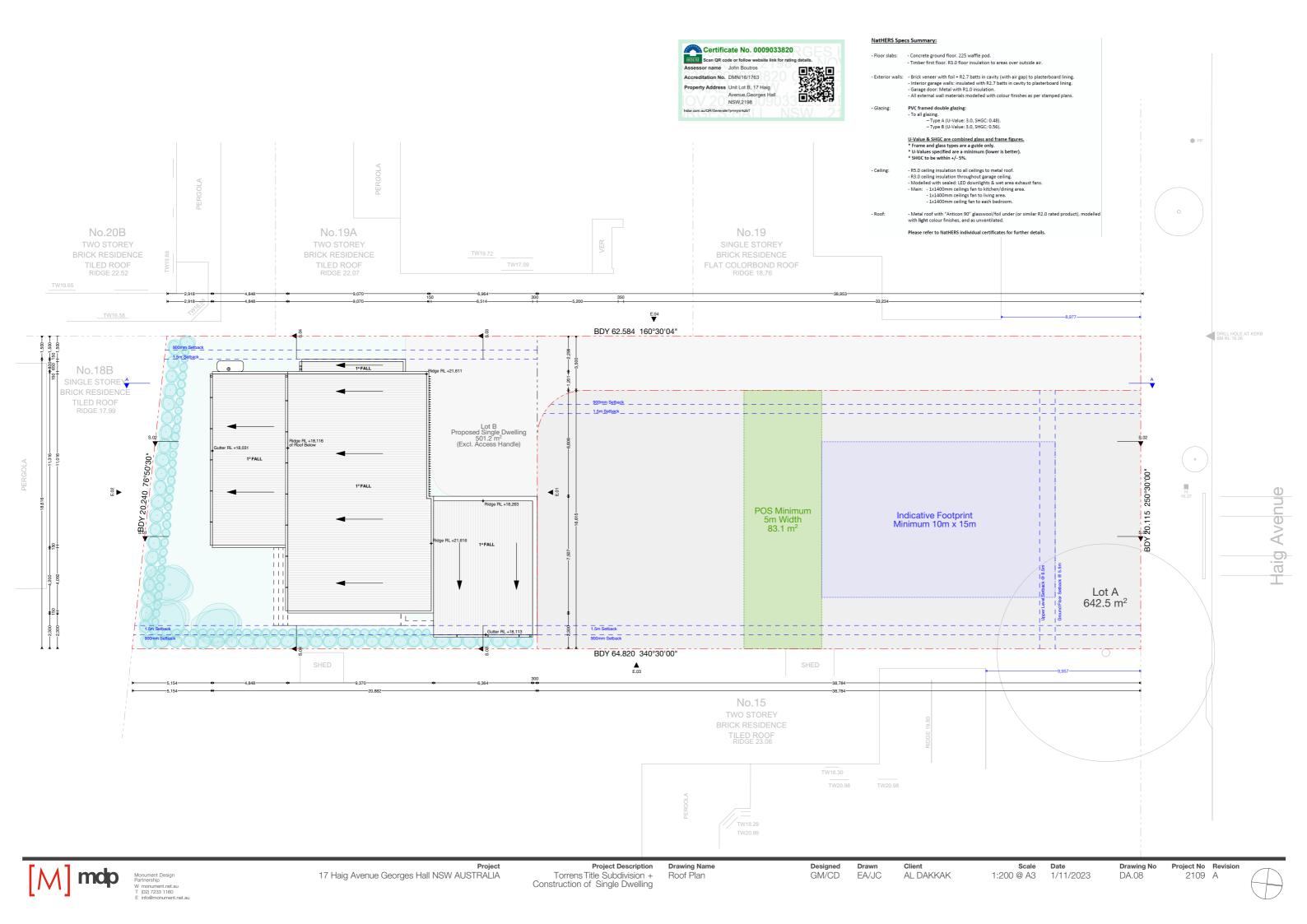






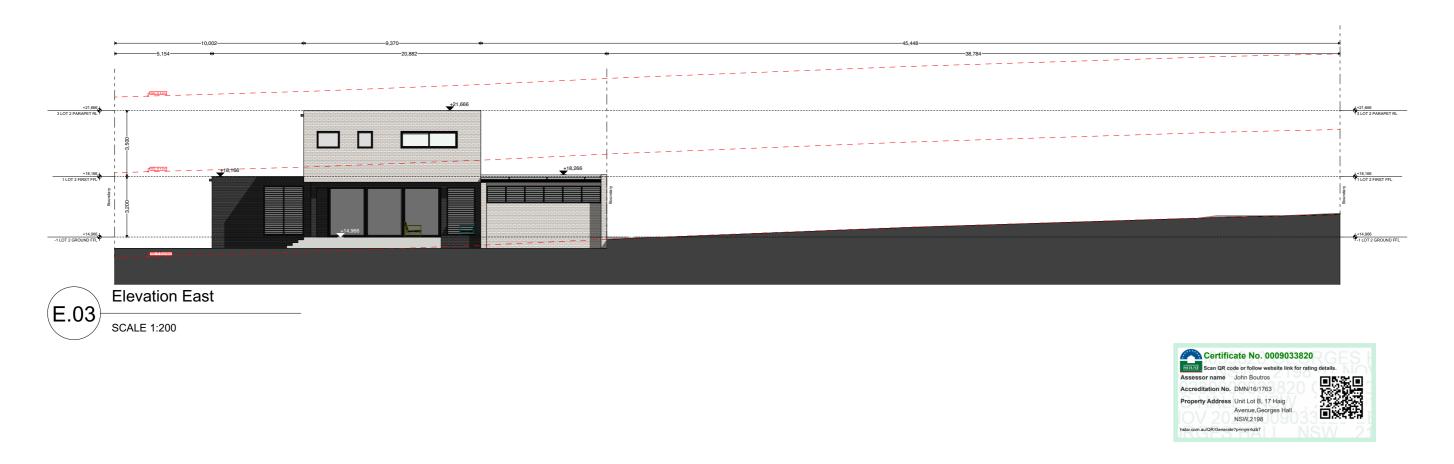


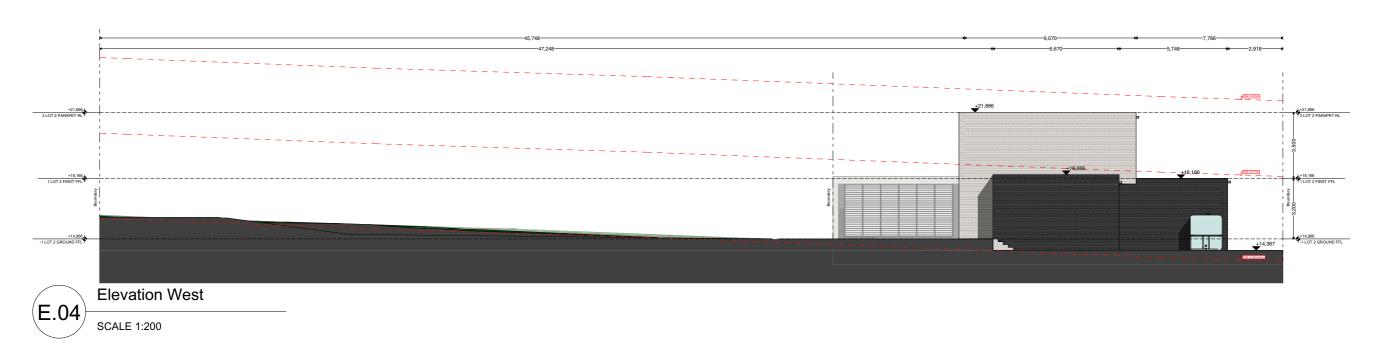


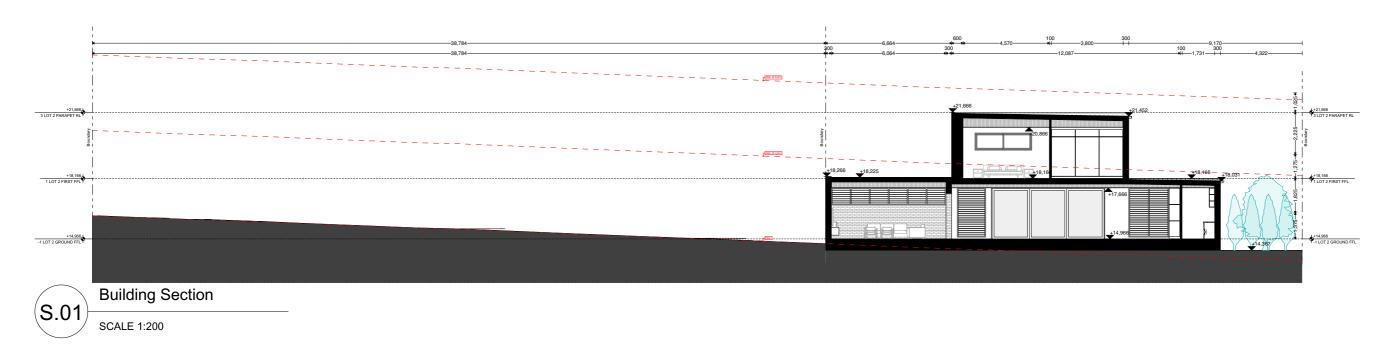




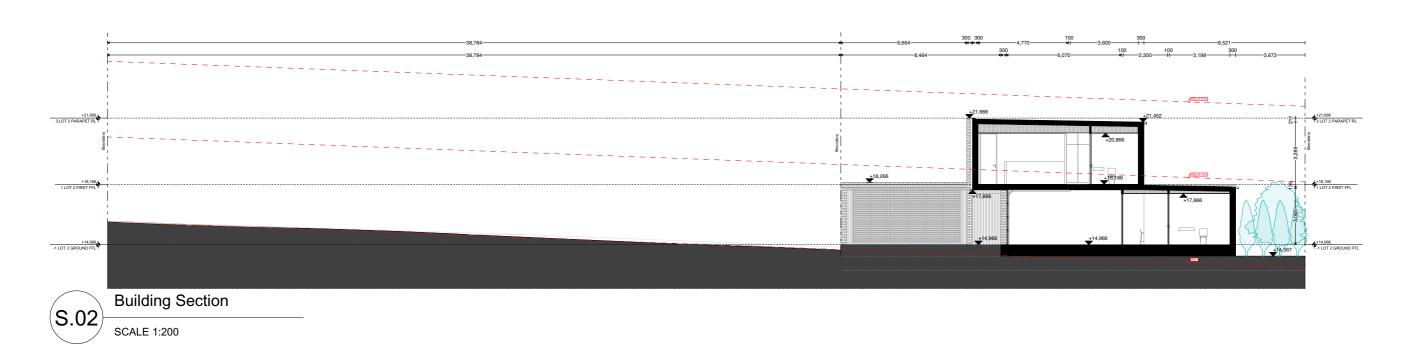
















Window Schedule

ID	WIN.01	WIN.02	WIN.03	WIN.04	WIN.05	WIN.06	WIN.07	WIN.08	WIN.09
Glass Type	Obscure	Clear	Obscure	Obscure	Obscure	Clear	Obscure	Clear	Obscure
Window Type	Louvre	Louvre	Louvre	Louvre	Louvre	Louvre	Awning	Sliding	Awning
Quantity	1	1	1	1	1	1	2	4	1
Wallhole Dimensions W x H	5,764×2,900	6,064×900	2,550×2,600	1,500×2,600	2,117×2,600	3,315×900	1,200×900	3,000×900	800×900
Sill height	100	1,800	549	100	100	1,800	1,500	1,500	1,500
Head height	3,000	2,700	3,149	2,700	2,700	2,700	2,400	2,400	2,400
Glazed area in sqm	16.72	5.46	6.63	3.90	5.50	2.98	1.08	2.70	0.72
2D Symbol			<u> </u>		<u> </u>	G U U			
2D Elevation	5,764	5.064	2,550 →	F-1,500→F	k—2,117—≯	3,315 → 1 000 ← 1	F-1,200→ 00 00 00 1		+800 +

Door Schedule

ID	D.01	D.02	DR.05	GD.01	PD.01	SD.01	SD.01	SD.02	SD.03
Quantity	1	7	1	1	1	1	1	1	1
Wallhole Dimension W x H	1,000×2,700	900×2,700	800×2,700	5,200×2,900	1,500×2,700	900×2,700	900×2,700	1,000×2,700	6,000×2,700
Sill height	0	0	0	0	0	0	0	0	0
Head height	2,700	2,700	2,700	2,900	2,700	2,700	2,700	2,700	2,700
2D Symbol						<u>→</u>			
2D Elevation	*1,000,1**	₹ 5,700	1,615→	5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 -	H—1,500→H # 000	F—1,828—→ 002.7	₩—1,815—₩	1	-57700

BASIX Commitment

BASIX Certificate

Single Dwelling



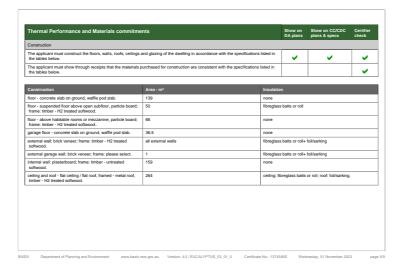
Project summary		
Project name	Lot B - 17 Haig Ave, Georges Hall	
Street address	17 HAIG Avenue GEORGES HALL 2198	
Local Government Area	Canterbury-Bankstown Council	
Plan type and plan number	Deposited Plan DP8855	
Lot no.	17	
Section no.	E	
Project type	dwelling house (detached)	
No. of bedrooms	5	
Project score		
Water	✓ 44 Target	40
Thermal Performance	✓ Pass Target	Pass
Energy	✓ 74 Target	72
Materials	✓ -32 Target	n/a

Certificate Prepared by
Name / Company Name: Greenworld Architectural Drafting
ABN (if applicable): 70203970543

Thermal Performance and Materials commitments	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
Simulation Method			
Assessor details and thermal loads			
The applicant must statish the certificate referred to under "Assessor Details" on the front page of this BASX certificate (the "Assessor Details" on the front page of this BASX certificate (the Assessor Details of the proposed development (or, left has applicant in supplying development (or, left has applicant in supplying development certificate for the proposed development. In that application). The applicant must also attach the Assessor Certificate to the application for an occupation certificate for the proposed development.			
The Assessor Certificate must have been issued by an Accredited Assessor in accordance with the Thermal Comfort Protocol.			
The details of the proposed development on the Assessor Certificate must be consistent with the details shown in this BASIX certificate, including the Cooling and Heating loads shown on the front page of this certificate and the "Construction" and "Glazing" abbits below.			
The applicant must show on the pin as accompanying the development application for the proposed development, all matters which the Assessor Certificate requires be shown on those ligitant. Toole paties must been a stamp of endorsement from the Accredited Assessor to certify that this is the case. The applicant must show on the plans accompanying the application for a construction certificate (or complying development certificate, if application), and applications are doubt in the Assessor Certificate, and all aspects of the proposed development with him even such to calculate those specifications.	•	~	~
The applicant must construct the development in accordance with all thermal performance specifications set out in the Assessor Certificate, and in accordance with those aspects of the development application or application for a complying development certificate which were used to calculate those specifications.		~	~
The applicant must show on the plans accompanying the development application for the proposed development, the locations of ceiling fans set out in the Assessor Certificate. The applicant must show on the plans accompanying the application for a construction certificate (or complying development certificate; it applicable), the locations of ceiling fans set out in the Assessor Certificate or constitutions.	~	~	~

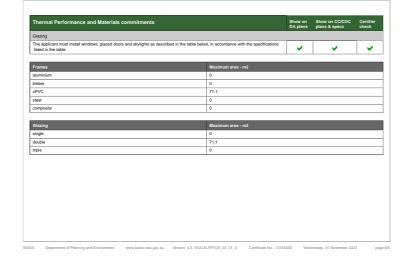
Energy Commitments	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
Hot water			
The applicant must install the following hot water system in the development, or a system with a higher energy rating: electric heat pump with a performance of 31 to 35 STCs or better.	~	~	~
Cooling system			
The applicant must install the following cooling system, or a system with a higher energy rating, in at least 1 living area: 1-phase airconditioning - ducted; Energy rating: EER 3.0 - 3.5		~	~
The applicant must install the following cooling system, or a system with a higher energy rating, in at least 1 bedroom: 1-phase airconditioning - ducted; Energy rating: EER 3.0 - 3.5		~	~
Heating system			
The applicant must install the following heating system, or a system with a higher energy rating, in at least 1 living area: 1-phase airconditioning - ducted; Energy rating: EER 3.0 - 3.5		~	~
The applicant must install the following heating system, or a system with a higher energy rating, in at least 1 bedroom: 1-phase airconditioning - ducted; Energy rating: EER 3.0 - 3.5		~	~
Ventilation			
The applicant must install the following exhaust systems in the development:			
At least 1 Bathroom: individual fan, ducted to façade or roof; Operation control: manual switch on/off		-	🗸
Kitchen: individual fan, ducted to façade or roof; Operation control: manual switch on/off		-	-
Laundry: individual fan, ducted to façade or root; Operation control: manual switch on/off		•	~
Artificial lighting			
The applicant must ensure that a minimum of 80% of light fixtures are litted with fluorescent, compact fluorescent, or light-emitting- diode (LED) lamps.		~	-
Natural lighting			
The applicant must install a window and/or skylight in the kitchen of the dwelling for natural lighting.			J

Project address		Assessor details and ther		
Project name	Lot B - 17 Haig Ave, Georges Hall	Assessor number	DMN/16/1763	
Street address	17 HAIG Avenue GEORGES HALL 2198	Certificate number	0009033820	
Local Government Area	Canterbury-Bankstown Council	Climate zone	56	
Plan type and plan number	Deposited Plan DP8855	Area adjusted cooling load (MJ/ m².year)	14	
Lot no.	17	Area adjusted heating load (MJ/	16	
Section no.	E	m².year)	16	
Project type		Project score		
Project type	dwelling house (detached)	Water	✓ 44	Target 40
No. of bedrooms	5		•	Target 40
Site details		Thermal Performance	✓ Pass	Target Pa
Site area (m²)	501	Energy	√ 74	Target 72
Roof area (m²)	264	Linday	V 14	Target /2
Conditioned floor area (m²)	241.0	Materials	√ -32	Target n/a
Unconditioned floor area (m²)	8.0	7 L		
Fotal area of garden and lawn (m²)	163			
Roof area of the existing dwelling (m²)	0	7		



Energy Commitments	Show on DA plans	Show on CC/CDC plans & specs	Certifie check
The applicant must install a window and/or skylight in 1 bathroom(s)/toilet(s) in the development for natural lighting.		~	~
Other			
The applicant must install a gas cooktop & electric oven in the kitchen of the dwelling.		~	
The applicant must install a fixed outdoor clothes drying line as part of the development.		~	

Vater Commitments	Show on DA plans	Show on CC/CDC plans & specs	Certifie check
ixtures	_		
he applicant must install showerheads with a minimum rating of 4 star (> 4.5 but <= 6 L/min plus spray force and/or coverage tests) in all showers in the development.	1	~	~
he applicant must install a toilet flushing system with a minimum rating of 4 star in each toilet in the development.		~	~
he applicant must install taps with a minimum rating of 3 star in the kitchen in the development.		~	
he applicant must install basin taps with a minimum rating of 3 star in each bathroom in the development.		~	
Iternative water			
ainwater tank			
he applicant must install a rainwater tank of at least 2000 litres on the site. This rainwater tank must meet, and be installed in accordance with, the requirements of all applicable regulatory authorities.	-	~	~
he applicant must configure the rainwater tank to collect rain runoff from at least 264 square metres of the roof area of the levelopment (excluding the area of the roof which drains to any stormwater tank or private dam).		~	~
he applicant must connect the rainwater tank to:			
the cold water tap that supplies each clothes washer in the development		-	-
 at least one outdoor tap in the development (Note: NSW Health does not recommend that rainwater be used for human consumption in areas with potable water supply.) 		_	-



In these commitmer	nts, "applicant" means the	person carrying out the dev	velopment.			
Commitments identi development applic	fied with a V in the "Show ation is to be lodged for th	v on DA plans" column mu e proposed development).	st be shown on the plans accompany	ing the development application I	or the proposed development (if a	
Commitments identi certificate / complyi	fied with a V in the "Showing development certificate	v on CC/CDC plans and sp for the proposed develope	ecs" column must be shown in the p nent.	lans and specifications accompar	ying the application for a construction	n
	fied with a V in the "Certi pment may be issued.	fier check" column must be	certified by a certifying authority as	having been fulfilled, before a fina	al occupation certificate (either interin	n or

NatHERs Specification

Floor Slabs:

-Concrete Ground Floor - 225 Waffle Pod.

-Timber First Floor - R3.0 Floor insulation to areas over outside

Exterior Walls:

-Brick Veneer with Foil +R2.7 batts in cavity (with air gap) to plasterboard lining

-Interior Garage walls:

-Insulated with R2.7 batts in cavity to plasterboard

lining

-Garage Door:

-Metal with R1.0 insulation

-All external wall materials modelled with colour finishes as per

Glazing:

-PVC Framed double glazing: to all glazing

-Type A (U-Value: 3.0, SHGC: 0.48) -Type B (U-Value: 3.0, SHGC: 0.56)

U-Value & SHGC are combiend glass and frame figures.

*Frame and glass types are a guide only

*U-alues specified are a minimum (lower is better)

*SHGC to be within +/-5%

Ceiling:

-R5.0 ceiling insulation to all ceilings to metal roof -R3.0 ceiling insulation throughout garage ceiling

-Modelled with sealed: LED downlights & wet area exhaust fans

-Main:

-1x1400mm ceiling fan to kitchen/dining area

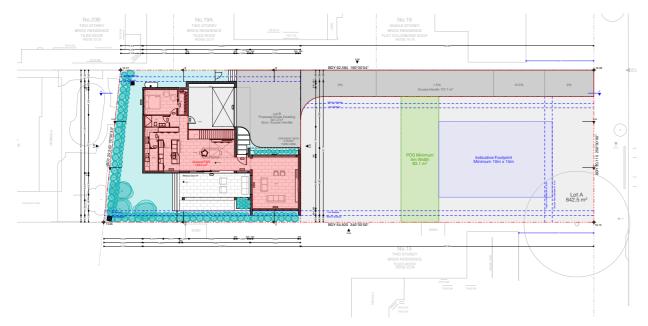
-1x1400mm ceiling fan to living area

-1x1400mm ceiling fan to each bedroom

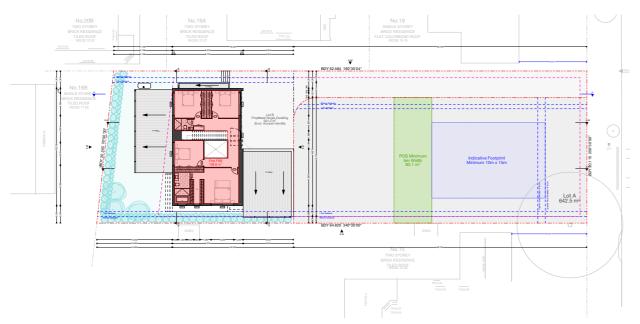
-Metal roof with "Anticon 90" glasswool/foil under (or similar R2.0 rated product), modelled with light colour finishes, and as unventilated

Please refer to NatHERs individual cerificates for further details.

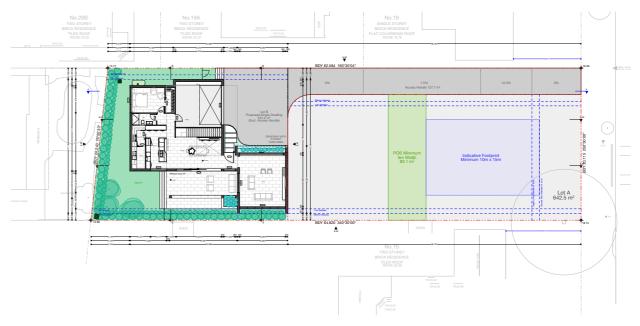




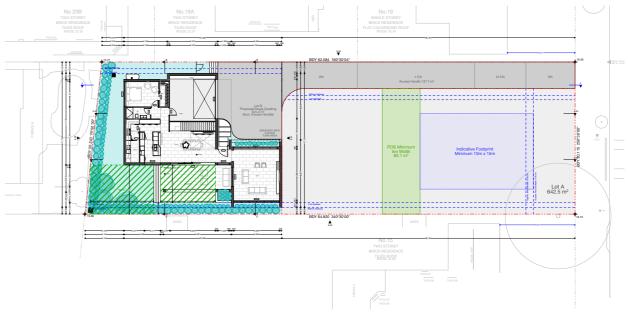
GROUND FFL FSR 1:500



FIRST FFL FSR 1:500



GROUND FFL LANDSCAPE 3 1:500



GROUND FFL POS 1:500

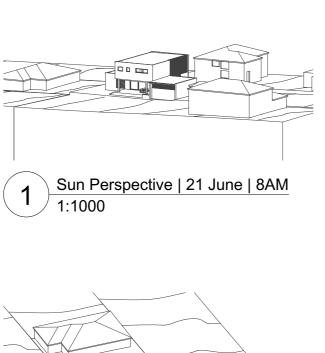
FSR COMPUTATIONS LANDSCAPE COMPUTATIONS POS COMPUTATIONS SITE AREA LOT B SITE AREA 501.2m² LOT B SITE AREA 501.2m² MINIMUM REQUIRED PERMITTED MINIMUM REQUIRED PROPOSED

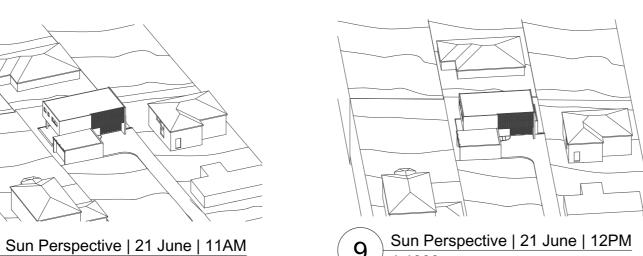




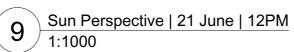




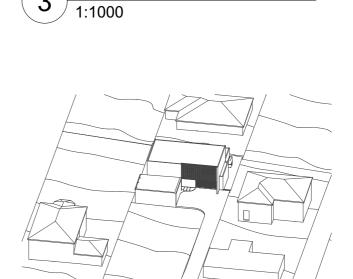




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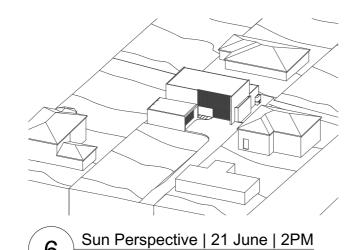


Sun Perspective | 21 June | 9AM



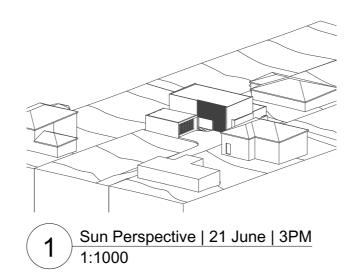
Sun Perspective | 21 June | 10AM

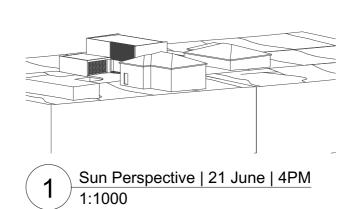
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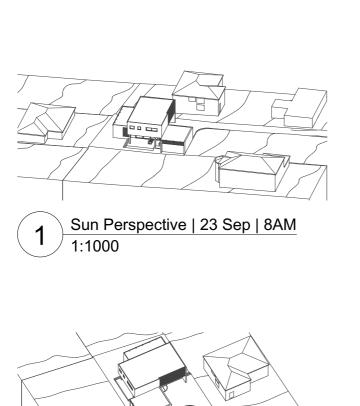


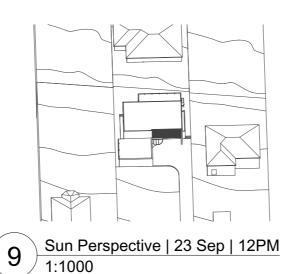
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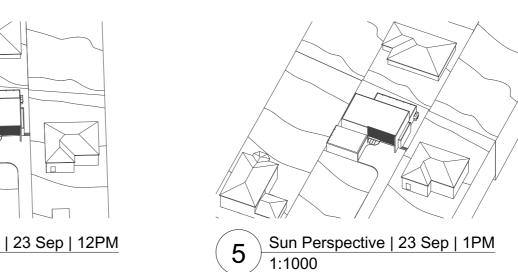






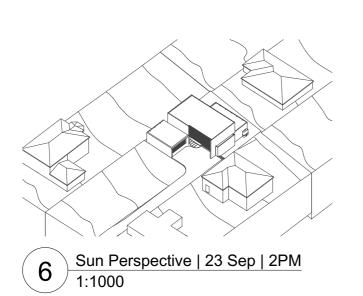
Sun Perspective | 23 Sep | 9AM

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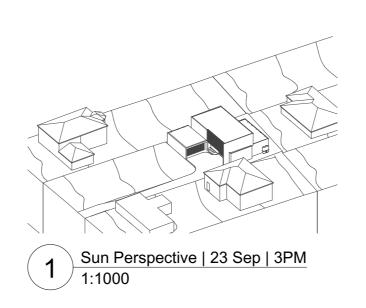
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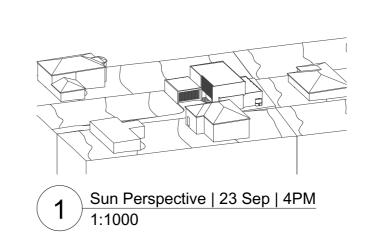
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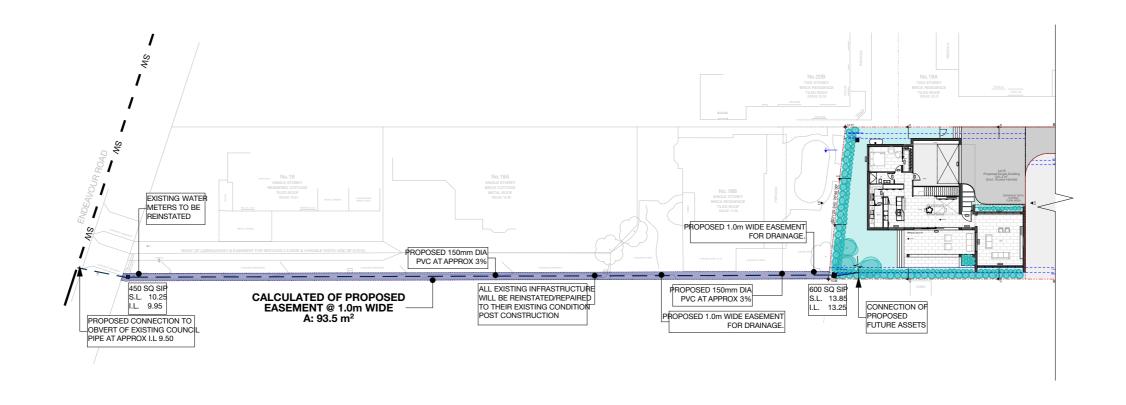
Sun Perspective | 23 Sep | 11AM

1:1000





Sun Perspective | 23 Sep | 10AM





- PROPOSED STORMWATER EASEMENT DESIGNED BY NY CIVIL ENGINEERING
- REFER TO STORMWATER MANAGEMENT PLAN FOR ENGINEER DETAILS AND SPECIFICATIONS





MATERIALS SCHEDULE



MA1 - Brick PGH | Pure Velvet 'Crinkled White' or Similar



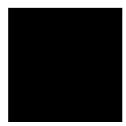
MA2 - Brick PGH | Morada 'Nero' or Similar w/Dark Tint Mortar



MA3 - Cladding Timber Palm Beach Black



MA4 - Render DULUX | Grey 'Domino' or Similar



MA5 - Aluminium DULUX | Powder Coated Night Sky or Similar



MA6 - Joinery Laminate | Formica Ash Woodline or Similar



MA7 - Joinery Stone | AC Stone Alpine Snow or Similar



MA8 - Concrete External Clean







