Nationwide House Energy Rating Scheme NatHERS Certificate No. #HR-WI9J1A-01

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Property

Address Unit 01, 31 Reddall Street, MANLY, NSW,

2095

Lot/DP

NCC Class* 1a

Type New

Plans

Main Plan Project No. 22020

Prepared by Wolski Coppin Architecture

Construction and environment

Assessed floor area (m²)* Exposure Type

Conditioned* 287.0 Open

Unconditioned* 55.0 NatHERS climate zone

Total 399.3 56 - Mascot AMO

Garage 57.3



Name Duncan Hope

Business name Senica Consultancy Group

DMN

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Phone +61 280067784 **Accreditation No.** DMN/14/1658

Assessor Accrediting

Organisation

Declaration of interest No Conflict of Interest





Thermal Performance

Heating Cooling

40.5 21.4

MJ/m² MJ/m²

About the rating

NatHERS software models the expected thermal energy loads using information about the design and construction, climate and common patterns of household use. The software does not take into account appliances, apart from the airflow impacts from ceiling fans.

Verification

software.com.au

To verify this certificate, scan the QR code or visit http://www.hero-software.com.au/pdf/HR-WI9J1A-01. When using either link, ensure you are visiting http://www.hero-



National Construction Code (NCC) requirements

The NCC's requirements for NatHERS-rated houses are detailed in 3.12.0(a)(i) and 3.12.5 of the NCC Volume Two. For apartments the requirements are detailed in J0.2 and J5 to J8 of the NCC Volume One.

In NCC 2019, these requirements include minimum star ratings and separate heating and cooling load limits that need to be met by buildings and apartments through the NatHERS assessment. Requirements additional to the NatHERS assessment that must also be satisfied include, but are not limited to: insulation installation methods, thermal breaks, building sealing, water heating and pumping, and artificial lighting requirements. The NCC and NatHERS Heating and Cooling Load Limits (Australian Building Codes Board Standard) are available at www.abcb.gov.au.

State and territory variations and additions to the NCC may also apply.



Certificate Check

Ensure the dwelling is designed and then built as per the NatHERS Certificate. While you need to check the accuracy of the whole Certificate, the following spot check covers some important items impacting the dwelling's rating.

Genuine certificate

Does this Certificate match the one available at the web address or QR code in the verification box on the front page? Does the set of NatHERS-stamped plans for the dwelling have a Certificate number on the stamp that matches this Certificate?

Ceiling penetrations*

Does the 'number' and 'type' of ceiling penetrations (e.g. downlights, exhaust fans, etc) shown on the stamped plans or installed, match what is shown in this Certificate?

Windows

Does the installed window meet the substitution tolerances (SHGC and U-value) and window type, of the window shown on this Certificate?

Apartment entrance doors

Does the 'External Door Schedule' show apartment entrance doors? Please note that an "external door" between the modelled dwelling and a shared space, such as an enclosed corridor or foyer, should not be included in the assessment (because it overstates the possible ventilation) and would invalidate the Certificate.

Exposure*

Has the appropriate exposure level (terrain) been applied? For example, it is unlikely that a ground-floor apartment is "exposed" or a top floor high-rise apartment is "protected".

Provisional* values

Have provisional values been used in the assessment and, if so, noted in "additional notes" below?

Window and glazed door type and performance

Default* windows

Window ID	Window Description	Maximum	SHGC*	SHGC substitution tolerance ranges	
		U-value*		lower limit	upper limit
ALM-003-03 A	Aluminium A DG Air Fill High Solar Gain low-E -Clear	4.30	0.47	0.45	0.49
ALM-006-03 A	Aluminium B DG Argon Fill High Solar Gain low-E -Clear	4.10	0.52	0.49	0.55

Custom* windows

Window ID	Window Description	Maximum	SHGC*	SHGC substitution tolerance ranges
	Timacii Bosonpilon	U-value*		lower limit upper limit

None

Window and glazed door schedule

Location	Window ID	Window no.	Height (mm)	Width (mm)	Window type	Opening %	Orient- ation	Shading device*
Bathroom	ALM-003-03 A	WG03	1500	600	Awning	90	SE	None
Bedroom 01	ALM-006-03 A	WL12	2400	2950	Sliding	60	NE	None



Window and glazed door schedule

Location	Window ID	Window no.	Height (mm)	Width (mm)	Window type	Opening %	Orient- ation	Shading device*
Bedroom 01	ALM-006-03 A	WL01	2400	210	Fixed	0	SW	None
Bedroom 01	ALM-006-03 A	WR06	375	3275	Fixed	0	NW	None
Bedroom 01	ALM-006-03 A	WR01	550	4678	Fixed	0	SW	None
Bedroom 02	ALM-003-03 A	WG08	2400	800	Awning	90	SE	None
Bedroom 02	ALM-006-03 A	WG09	2400	4004	Sliding	25	NE	None
Bedroom 02	ALM-006-03 A	WG10	2400	1670	Fixed	0	NW	None
Bedroom 03	ALM-003-03 A	WG01	2400	580	Awning	45	SW	None
Bedroom 03	ALM-006-03 A	WG13	2400	1670	Sliding	45	NE	None
Bedroom 03	ALM-006-03 A	WG02	2400	3240	Sliding	45	SW	None
Ensuite	ALM-006-03 A	WR01	550	3625	Fixed	0	SW	None
Ensuite 02	ALM-006-03 A	WG09	2400	2000	Sliding	25	NE	None
Foyer	ALM-003-03 A	WG05	2400	1890	Casement	54	SW	None
Guest WC	ALM-003-03 A	WL03	2400	900	Awning	90	SE	None
Guest WC	ALM-006-03 A	WR02	375	1645	Fixed	0	SE	None
Guest WC	ALM-006-03 A	WR01	550	2442	Fixed	0	SW	None
Indoor/Outdoor Room	ALM-006-03 A	WG11	2400	5538	Sliding	70	NE	None
Indoor/Outdoor Room	ALM-006-03 A	WG12	2400	6070	Sliding	70	NW	None
Kitchen/Living/Dining	ALM-006-03 A	WL11	2400	2500	Sliding	45	NW	None
Kitchen/Living/Dining	ALM-006-03 A	WL10	2400	2619	Sliding	45	SW	None
Kitchen/Living/Dining	ALM-003-03 A	WL09	2400	3635	Awning	21	NW	None
Kitchen/Living/Dining	ALM-006-03 A	WR05	375	3635	Fixed	0	NW	None
Kitchen/Living/Dining	ALM-006-03 A	WL08	2400	6569	Sliding	70	NE	None
Kitchen/Living/Dining	ALM-006-03 A	WL07	2400	2105	Sliding	28	NW	None
Kitchen/Living/Dining	ALM-006-03 A	WL06	2400	6600	Sliding	41	NE	None
Kitchen/Living/Dining	ALM-006-03 A	WR04	375	5050	Fixed	0	SE	None
Kitchen/Living/Dining	ALM-006-03 A	WL05	2400	574	Fixed	0	SW	None
Kitchen/Living/Dining	ALM-006-03 A	WL04	2400	3430	Fixed	0	SE	None



Window and glazed door schedule

Location	Window ID	Window no.	Height (mm)	Width (mm)	Window type	Opening %	Orient- ation	Shading device*
Kitchen/Living/Dining	ALM-006-03 A	WR03	550	13118	Fixed	0	SW	None
Laundry	ALM-003-03 A	WG06	2400	900	Casement	90	SE	None
Staircase Base	ALM-006-03 A	WG07	2400	3256	Fixed	0	SE	None
Study Bedroom 04	ALM-006-03 A	WG04	2400	1680	Sliding	45	SW	None
Foyer	ALM-006-03 A	WL02	2400	1856	Fixed	0	SW	None
Foyer	ALM-006-03 A	WR01	550	1764	Fixed	0	SW	None

Roof window type and performance value

Default* roof windows

U-value*	Window ID	Window Description	Maximum SHGC*	SHGC substitution tolerance ranges
		, , , , , , , , , , , , , , , , , , ,	U-value*	lower limit upper limit

Custom* roof windows

None

None

Window ID	Window Description	Maximum SHGC*	SHGC substitution tolerance ranges
	······································	U-value*	lower limit upper limit

Roof window schedule

Location	Window ID	Window no.	Opening %	Height (mm)	Width (mm)	Orient- ation	Outdoor shade	Indoor shade
None								

Skylight type and performance

Skylight ID	Skylight description
None	

Skylight schedule

Location	Skylight ID	Skylight No.	Skylight shaft length (mm)	Area (m²)	Orient- ation	Outdoor shade	Diffuser	Shaft Reflectance	
None									

External door schedule

Location	Height (mm)	Width (mm)	Opening %	Orientation
None				



External wall type

Wall ID	Wall Type	Solar absorptance	Wall Colour	Bulk insulation (R-value)	Reflective wall wrap*
BV-REFL-CAV	Brick Veneer Stud Wall with Reflective Sarking	0.30	Light	2.50	Yes
CONCBLOCK-190-FCF- PB	Concrete Block 190mm Fully Core-Filled - Plasterboard Internally	0.30	Light	0.00	No
FC-REFL-CAV	Fibre-Cement Clad Battened (Refl Cavity) Stud Wall	0.30	Light	2.50	Yes

External wall schedule

AC Mechanical C	CONCBLOCK-190-FCF-PB		(mm)	ation	shading feature* projection (mm)	shading feature
	30110220011 100 1 01 1 2	3760	5092	SE		No
AC Mechanical	CONCBLOCK-190-FCF-PB	3760	572	SW		No
Bathroom B	BV-REFL-CAV	2800	1450	SW		Yes
Bathroom F	FC-REFL-CAV	2800	783	SE	1654	Yes
Bedroom 01 F	FC-REFL-CAV	2790	3065	NE	3266	Yes
Bedroom 01 F	FC-REFL-CAV	2822	161	NW		Yes
Bedroom 01 F	FC-REFL-CAV	1870	4727	SW	730	Yes
Bedroom 01 B	BV-REFL-CAV	1870	776	NW	805	Yes
Bedroom 01 F	FC-REFL-CAV	3192	471	SW	1534	Yes
Bedroom 01 F	FC-REFL-CAV	2991	3275	NW	458	Yes
Bedroom 01 F	FC-REFL-CAV	766	4684	SW	1405	Yes
Bedroom 02 B	BV-REFL-CAV	2800	1619	SE		Yes
Bedroom 02 B	BV-REFL-CAV	2800	461	SW		Yes
Bedroom 02 F	FC-REFL-CAV	2800	4004	NE	1172	Yes
Bedroom 02 F	FC-REFL-CAV	2800	1671	NW	6317	Yes
Bedroom 03 B	BV-REFL-CAV	2800	786	SW		Yes
Bedroom 03 B	BV-REFL-CAV	2800	3352	NW	737	Yes
Bedroom 03 F	FC-REFL-CAV	2800	1780	NE	10203	Yes
Bedroom 03 F	FC-REFL-CAV	2800	661	NW		Yes
Bedroom 03 F	FC-REFL-CAV	2800	3246	SW		Yes



External wall schedule

Bedroom 03 BV-REFL-CAV 2800 764 NW Yes Downstairs CONCBLOCK-190-FCF-PB 3760 3309 SE No Electrical Comms Room CONCBLOCK-190-FCF-PB 3760 2849 SW No Ensuite FC-REFL-CAV 1870 3687 SW 737 Yes Ensuite FC-REFL-CAV 1870 697 SE 5084 Yes Ensuite FC-REFL-CAV 766 3626 SW 1419 Yes Ensuite 02 FC-REFL-CAV 2800 2000 NE 1172 Yes Ensuite 02 BV-REFL-CAV 2800 3951 SE Yes Foyer FC-REFL-CAV 2800 1895 SW Yes Foyer BV-REFL-CAV 2800 322 SE Yes Garage CONCBLOCK-190-FCF-PB 3760 6514 NW No Guest WC FC-REFL-CAV 2822 1645 SE 448 Yes <th>6</th>	6
Electrical Comms Room CONCBLOCK-190-FCF-PB 3760 2849 SW No Ensuite FC-REFL-CAV 1870 3687 SW 737 Yes Ensuite FC-REFL-CAV 1870 697 SE 5084 Yes Ensuite FC-REFL-CAV 766 3626 SW 1419 Yes Ensuite 02 FC-REFL-CAV 2800 2000 NE 1172 Yes Ensuite 02 BV-REFL-CAV 2800 3951 SE Yes Foyer FC-REFL-CAV 2800 1895 SW Yes Foyer BV-REFL-CAV 2800 322 SE Yes Garage CONCBLOCK-190-FCF-PB 3760 6514 NW No Guest WC FC-REFL-CAV 2822 1645 SE 448 Yes Guest WC FC-REFL-CAV 2420 2095 SW 1605 Yes Guest WC FC-REFL-CAV 2822 406 SW No	6
Ensuite FC-REFL-CAV 1870 3687 SW 737 Yes Ensuite FC-REFL-CAV 1870 697 SE 5084 Yes Ensuite FC-REFL-CAV 766 3626 SW 1419 Yes Ensuite 02 FC-REFL-CAV 2800 2000 NE 1172 Yes Ensuite 02 BV-REFL-CAV 2800 3951 SE Yes Foyer FC-REFL-CAV 2800 1895 SW Yes Foyer BV-REFL-CAV 2800 322 SE Yes Garage CONCBLOCK-190-FCF-PB 3760 6514 NW No Guest WC FC-REFL-CAV 2822 1645 SE 448 Yes Guest WC FC-REFL-CAV 2420 2095 SW 1605 Yes Guest WC FC-REFL-CAV 2822 406 SW No Guest WC FC-REFL-CAV 766 2445 SW 1771 Yes	6
Ensuite FC-REFL-CAV 1870 697 SE 5084 Yes Ensuite FC-REFL-CAV 766 3626 SW 1419 Yes Ensuite 02 FC-REFL-CAV 2800 2000 NE 1172 Yes Ensuite 02 BV-REFL-CAV 2800 3951 SE Yes Foyer FC-REFL-CAV 2800 1895 SW Yes Foyer BV-REFL-CAV 2800 322 SE Yes Garage CONCBLOCK-190-FCF-PB 3760 6514 NW No Guest WC FC-REFL-CAV 2822 1645 SE 448 Yes Guest WC FC-REFL-CAV 2420 2095 SW 1605 Yes Guest WC FC-REFL-CAV 2822 406 SW No Guest WC FC-REFL-CAV 766 2445 SW 1771 Yes	6
Ensuite FC-REFL-CAV 766 3626 SW 1419 Yes Ensuite 02 FC-REFL-CAV 2800 2000 NE 1172 Yes Ensuite 02 BV-REFL-CAV 2800 3951 SE Yes Foyer FC-REFL-CAV 2800 1895 SW Yes Foyer BV-REFL-CAV 2800 322 SE Yes Garage CONCBLOCK-190-FCF-PB 3760 6514 NW No Guest WC FC-REFL-CAV 2822 1645 SE 448 Yes Guest WC FC-REFL-CAV 2420 2095 SW 1605 Yes Guest WC FC-REFL-CAV 2822 406 SW No Guest WC FC-REFL-CAV 766 2445 SW 1771 Yes	3
Ensuite 02 FC-REFL-CAV 2800 2000 NE 1172 Yes Ensuite 02 BV-REFL-CAV 2800 3951 SE Yes Foyer FC-REFL-CAV 2800 1895 SW Yes Foyer BV-REFL-CAV 2800 322 SE Yes Garage CONCBLOCK-190-FCF-PB 3760 6514 NW No Guest WC FC-REFL-CAV 2822 1645 SE 448 Yes Guest WC FC-REFL-CAV 2420 2095 SW 1605 Yes Guest WC FC-REFL-CAV 2822 406 SW No Guest WC FC-REFL-CAV 766 2445 SW 1771 Yes	3
Ensuite 02 BV-REFL-CAV 2800 3951 SE Yes Foyer FC-REFL-CAV 2800 1895 SW Yes Foyer BV-REFL-CAV 2800 322 SE Yes Garage CONCBLOCK-190-FCF-PB 3760 6514 NW No Guest WC FC-REFL-CAV 2822 1645 SE 448 Yes Guest WC FC-REFL-CAV 2420 2095 SW 1605 Yes Guest WC FC-REFL-CAV 2822 406 SW No Guest WC FC-REFL-CAV 766 2445 SW 1771 Yes	
Foyer FC-REFL-CAV 2800 1895 SW Yes Foyer BV-REFL-CAV 2800 322 SE Yes Garage CONCBLOCK-190-FCF-PB 3760 6514 NW No Guest WC FC-REFL-CAV 2822 1645 SE 448 Yes Guest WC FC-REFL-CAV 2420 2095 SW 1605 Yes Guest WC FC-REFL-CAV 2822 406 SW No Guest WC FC-REFL-CAV 766 2445 SW 1771 Yes	;
Foyer BV-REFL-CAV 2800 322 SE Yes Garage CONCBLOCK-190-FCF-PB 3760 6514 NW No Guest WC FC-REFL-CAV 2822 1645 SE 448 Yes Guest WC FC-REFL-CAV 2420 2095 SW 1605 Yes Guest WC FC-REFL-CAV 2822 406 SW No Guest WC FC-REFL-CAV 766 2445 SW 1771 Yes	
Garage CONCBLOCK-190-FCF-PB 3760 6514 NW No Guest WC FC-REFL-CAV 2822 1645 SE 448 Yes Guest WC FC-REFL-CAV 2420 2095 SW 1605 Yes Guest WC FC-REFL-CAV 2822 406 SW No Guest WC FC-REFL-CAV 766 2445 SW 1771 Yes	}
Guest WC FC-REFL-CAV 2822 1645 SE 448 Yes Guest WC FC-REFL-CAV 2420 2095 SW 1605 Yes Guest WC FC-REFL-CAV 2822 406 SW No Guest WC FC-REFL-CAV 766 2445 SW 1771 Yes	;
Guest WC FC-REFL-CAV 2420 2095 SW 1605 Yes Guest WC FC-REFL-CAV 2822 406 SW No Guest WC FC-REFL-CAV 766 2445 SW 1771 Yes	
Guest WC FC-REFL-CAV 2822 406 SW No Guest WC FC-REFL-CAV 766 2445 SW 1771 Yes	;
Guest WC FC-REFL-CAV 766 2445 SW 1771 Yes	;
Indoor/Outdoor Room FC-REFL-CAV 2800 5538 NE 2843 Yes	;
	;
Indoor/Outdoor Room FC-REFL-CAV 2800 6602 NW 2641 Yes	;
Kitchen/Living/Dining FC-REFL-CAV 2580 3285 NW 3891 Yes	;
Kitchen/Living/Dining FC-REFL-CAV 2580 2619 SW 3255 Yes	;
Kitchen/Living/Dining FC-REFL-CAV 3110 3635 NW 494 Yes	;
Kitchen/Living/Dining FC-REFL-CAV 2898 6570 NE 3069 Yes	;
Kitchen/Living/Dining FC-REFL-CAV 2750 2105 NW 7064 Yes	
Kitchen/Living/Dining FC-REFL-CAV 2598 6600 NE 964 Yes	3
Kitchen/Living/Dining FC-REFL-CAV 2960 5746 SE 513 Yes	
Kitchen/Living/Dining FC-REFL-CAV 3320 574 SW 3870 Yes	8
Kitchen/Living/Dining FC-REFL-CAV 2580 3430 SE 1050 Yes	3



External wall schedule

Location	Wall ID	Height (mm)	Width (mm)	Orient- ation	Horizontal shading feature* projection (mm)	Vertical shading feature
Kitchen/Living/Dining	FC-REFL-CAV	740	13118	SW		Yes
LMR	CONCBLOCK-190-FCF-PB	3760	1580	SE		No
LMR	CONCBLOCK-190-FCF-PB	3760	1726	SW		No
Laundry	FC-REFL-CAV	2800	1645	SE		Yes
Laundry	FC-REFL-CAV	2800	2090	SW		Yes
Laundry	FC-REFL-CAV	2800	409	SW		No
Lift	FC-REFL-CAV	2822	1395	SE	449	Yes
Lift	FC-REFL-CAV	2822	600	NE	809	Yes
Lift	FC-REFL-CAV	2800	1436	SE		Yes
Lift	FC-REFL-CAV	2800	563	NE		Yes
Lift	CONCBLOCK-190-FCF-PB	3760	1422	SE		No
Lift	CONCBLOCK-190-FCF-PB	3760	566	NE		No
Pool Equipment	CONCBLOCK-190-FCF-PB	3760	803	NW		No
Pool Equipment	CONCBLOCK-190-FCF-PB	3760	763	SW		No
Pool Equipment	CONCBLOCK-190-FCF-PB	3760	3172	NW		No
Pool Equipment	CONCBLOCK-190-FCF-PB	3760	817	NE		No
Pool Equipment	CONCBLOCK-190-FCF-PB	3760	1428	SW		No
Staircase Base	FC-REFL-CAV	2800	3256	SE		Yes
Study Bedroom 04	FC-REFL-CAV	2800	820	NW	1804	Yes
Study Bedroom 04	FC-REFL-CAV	2800	1809	SW	899	Yes
Study Bedroom 04	BV-REFL-CAV	2800	1405	SW		Yes
Study Bedroom 04	BV-REFL-CAV	2800	505	SE		Yes
Foyer	FC-REFL-CAV	2420	1856	SW	1434	Yes
Foyer	BV-REFL-CAV	2420	185	SE	2974	Yes
Foyer	FC-REFL-CAV	766	1769	SW	1593	Yes
Water Tanks Storage	CONCBLOCK-190-FCF-PB	3760	584	SE		No



External wall schedule

Location	Wall ID	Height (mm)	Width (mm)	Orient- ation	Horizontal shading feature* projection (mm)	Vertical shading feature
Water Tanks Storage	CONCBLOCK-190-FCF-PB	3760	6582	SW		No

Internal wall type

Wall ID	Wall Type	Area (m²)	Bulk insulation
CONBLOCK-190-PB1	Concrete Block 190mm Concrete - Plasterboard Internally	47.8	0.00
CONCBLOCK-190-FCF-PB	Concrete Block 190mm Fully Core-Filled - Plasterboard Internally	56.4	0.00
INT-PB	Internal Plasterboard Stud Wall	190.0	2.50
INT-PB	Internal Plasterboard Stud Wall	50.6	0.00

Floor type

Location	Construction	Area (m²)	Sub-floor ventilation	Added insulation (R-value)	Covering
AC Mechanical	CSOG-200: Concrete Slab on Ground (200mm)	16.3	N/A	0.00	Exposed
Antechamber	SUSP-CONC-200: Suspended Concrete Slab Floor (200mm)	1.7	N/A	0.00	Tile
Bathroom	SUSP-CONC-200: Suspended Concrete Slab Floor (200mm)	4.3	N/A	0.00	Tile
Bedroom 01	SUSP-CONC-200: Suspended Concrete Slab Floor (200mm)	26.2	N/A	0.00	Tile
Bedroom 02	SUSP-CONC-200: Suspended Concrete Slab Floor (200mm)	25.3	N/A	0.00	Tile
Bedroom 03	SUSP-CONC-200: Suspended Concrete Slab Floor (200mm)	18.2	N/A	0.00	Tile
Downstairs	CSOG-200: Concrete Slab on Ground (200mm)	19.9	N/A	0.00	Tile
Electrical Comms Room	CSOG-200: Concrete Slab on Ground (200mm)	5.4	N/A	0.00	Tile
Ensuite	SUSP-CONC-200: Suspended Concrete Slab Floor (200mm)	9.1	N/A	0.00	Tile
Ensuite 02	SUSP-CONC-200: Suspended Concrete Slab Floor (200mm)	7.9	N/A	0.00	Tile
Foyer	SUSP-CONC-200: Suspended Concrete Slab Floor (200mm)	7.8	N/A	0.00	Tile
Foyer	CSOG-200: Concrete Slab on Ground (200mm)	0.2	N/A	0.00	Tile
Garage	CSOG-200: Concrete Slab on Ground (200mm)	57.3	N/A	0.00	Exposed
Guest WC	SUSP-CONC-200: Suspended Concrete Slab Floor (200mm)	4.1	N/A	0.00	Tile
Hallway	SUSP-CONC-200: Suspended Concrete Slab Floor (200mm)	4.7	N/A	0.00	Tile



Floor type

Indoor/Outdoor Room SUSP-CONC-200: Suspended Concrete Slab Floor (200mm) 36.6 N/A 0.00 Tile Kitchen/Living/Dining SUSP-CONC-200: Suspended Concrete Slab Floor (200mm) 93.9 N/A 0.00 Tile LMR CSOG-200: Concrete Slab on Ground (200mm) 2.7 N/A 0.00 Tile Laundry SUSP-CONC-200: Suspended Concrete Slab Floor (200mm) 4.1 N/A 0.00 Tile Lift SUSP-CONC-200: Suspended Concrete Slab Floor (200mm) 4.5 N/A 0.00 Tile Lift CSOG-200: Concrete Slab on Ground (200mm) 7.1 N/A 0.00 Tile Pool Equipment CSOG-200: Concrete Slab on Ground (200mm) 7.1 N/A 0.00 Exposed Small Hallway SUSP-CONC-200: Suspended Concrete Slab Floor (200mm) 17.8 N/A 0.00 Tile Study Bedroom 04 SUSP-CONC-200: Suspended Concrete Slab Floor (200mm) 14.3 N/A 0.00 Tile Water Tanks Storage CSOG-200: Concrete Slab on Ground (200mm) 19.1 N/A 0.00 Exposed	Location	Construction	Area (m²)	Sub-floor ventilation	Added insulation (R-value)	Covering
Lift CSOG-200: Concrete Slab on Ground (200mm) 2.7 N/A 0.00 Tile	Indoor/Outdoor Room	,	36.6	N/A	0.00	Tile
Laundry SUSP-CONC-200: Suspended Concrete Slab Floor (200mm) Lift SUSP-CONC-200: Suspended Concrete Slab Floor (200mm) Lift CSOG-200: Concrete Slab on Ground (200mm) Lift CSOG-200: Concrete Slab on Ground (200mm) Tile Pool Equipment CSOG-200: Concrete Slab on Ground (200mm) SUSP-CONC-200: Suspended Concrete Slab Floor (200mm) Suspended Concrete Slab Floor (200mm) Staircase Base SUSP-CONC-200: Suspended Concrete Slab Floor (200mm) Tile Study Bedroom 04 Suspended Concrete Slab Floor (200mm) Suspended Concrete Slab Floor (200mm) Tile	Kitchen/Living/Dining		93.9	N/A	0.00	Tile
Eaundry Floor (200mm) Lift SUSP-CONC-200: Suspended Concrete Slab Floor (200mm) Lift CSOG-200: Concrete Slab on Ground (200mm) CSOG-200: Concrete Slab on Ground (200mm) Pool Equipment CSOG-200: Concrete Slab on Ground (200mm) Small Hallway SUSP-CONC-200: Suspended Concrete Slab Floor (200mm) Staircase Base SUSP-CONC-200: Suspended Concrete Slab Floor (200mm) Study Bedroom 04 SUSP-CONC-200: Suspended Concrete Slab Floor (200mm) Study Bedroom 04 SUSP-CONC-200: Suspended Concrete Slab Floor (200mm) 14.1 N/A 0.00 Tile	LMR	CSOG-200: Concrete Slab on Ground (200mm)	2.7	N/A	0.00	Tile
Lift CSOG-200: Concrete Slab on Ground (200mm) 2.5 N/A 0.00 Tile Pool Equipment CSOG-200: Concrete Slab on Ground (200mm) 7.1 N/A 0.00 Exposed Small Hallway SUSP-CONC-200: Suspended Concrete Slab Floor (200mm) 2.0 N/A 0.00 Tile Staircase Base SUSP-CONC-200: Suspended Concrete Slab Floor (200mm) 17.8 N/A 0.00 Tile Study Bedroom 04 SUSP-CONC-200: Suspended Concrete Slab Floor (200mm) 14.3 N/A 0.00 Tile	Laundry		4.1	N/A	0.00	Tile
Pool Equipment CSOG-200: Concrete Slab on Ground (200mm) 7.1 N/A 0.00 Exposed Small Hallway SUSP-CONC-200: Suspended Concrete Slab Floor (200mm) 2.0 N/A 0.00 Tile Staircase Base SUSP-CONC-200: Suspended Concrete Slab Floor (200mm) 17.8 N/A 0.00 Tile Study Bedroom 04 SUSP-CONC-200: Suspended Concrete Slab Floor (200mm) 14.3 N/A 0.00 Tile	Lift		4.5	N/A	0.00	Tile
Small Hallway SUSP-CONC-200: Suspended Concrete Slab Floor (200mm) Staircase Base SUSP-CONC-200: Suspended Concrete Slab Floor (200mm) Study Bedroom 04 SUSP-CONC-200: Suspended Concrete Slab Floor (200mm) SUSP-CONC-200: Suspended Concrete Slab Floor (200mm) 14.3 N/A 0.00 Tile	Lift	CSOG-200: Concrete Slab on Ground (200mm)	2.5	N/A	0.00	Tile
Staircase Base Stor (200mm) Staircase Base SUSP-CONC-200: Suspended Concrete Slab Floor (200mm) Study Bedroom 04 SUSP-CONC-200: Suspended Concrete Slab Floor (200mm) 17.8 N/A 0.00 Tile 14.3 N/A 0.00 Tile	Pool Equipment	CSOG-200: Concrete Slab on Ground (200mm)	7.1	N/A	0.00	Exposed
Study Bedroom 04 Floor (200mm) SUSP-CONC-200: Suspended Concrete Slab Floor (200mm) 17.8 N/A 0.00 Tile	Small Hallway	•	2.0	N/A	0.00	Tile
Floor (200mm) 14.3 N/A 0.00 Tile	Staircase Base		17.8	N/A	0.00	Tile
Water Tanks Storage CSOG-200: Concrete Slab on Ground (200mm) 19.1 N/A 0.00 Exposed	Study Bedroom 04	·	14.3	N/A	0.00	Tile
	Water Tanks Storage	CSOG-200: Concrete Slab on Ground (200mm)	19.1	N/A	0.00	Exposed

Ceiling type

Bedroom 01FLAT-02: Flat Framed / Skillion Metal Roof & Cathedral PB Ceiling (11°-33°)3.50YesBedroom 01ATTIC-METAL-01: Pitched / Attic Metal Roof (Roofspace) & Flat PB Ceiling3.50YesBedroom 03\$LAB-200-CEIL-01: Concrete Slab (200mm) with Suspended PB Ceiling (11°-33°)0.00NoEnsuiteFLAT-02: Flat Framed / Skillion Metal Roof & Cathedral PB Ceiling (11°-33°)3.50YesEnsuiteATTIC-METAL-01: Pitched / Attic Metal Roof (Roofspace) & Flat PB Ceiling3.50YesGarageSLAB-200-CEIL-01: Concrete Slab (200mm) with Suspended PB Ceiling (11°-33°)0.00NoGuest WCFLAT-02: Flat Framed / Skillion Metal Roof & Cathedral PB Ceiling (11°-33°)3.50YesHallwayFLAT-02: Flat Framed / Skillion Metal Roof & Cathedral PB Ceiling (11°-33°)3.50YesIndoor/Outdoor RoomSLAB-200-CEIL-01: Concrete Slab (200mm) with Suspended PB Ceiling (11°-33°)0.00NoKitchen/Living/DiningFLAT-02: Flat Framed / Skillion Metal Roof & Cathedral PB Ceiling (11°-33°)3.50YesKitchen/Living/DiningSLAB-250-CEIL-01: Concrete Slab (250mm) with Suspended PB Ceiling (11°-33°)0.00No	Location	Construction	Bulk insulation (R-value)	Reflective wrap*
Bedroom 01 Flat PB Ceiling SLAB-200-CEIL-01: Concrete Slab (200mm) with Suspended PB Ceiling Ensuite FLAT-02: Flat Framed / Skillion Metal Roof & Cathedral PB Ceiling (11°-33°) Ensuite ATTIC-METAL-01: Pitched / Attic Metal Roof (Roofspace) & 3.50 Flat PB Ceiling SLAB-200-CEIL-01: Concrete Slab (200mm) with Suspended PB Ceiling Garage SLAB-200-CEIL-01: Concrete Slab (200mm) with Suspended PB Ceiling Guest WC FLAT-02: Flat Framed / Skillion Metal Roof & Cathedral PB Ceiling (11°-33°) FLAT-02: Flat Framed / Skillion Metal Roof & Cathedral PB Ceiling (11°-33°) Indoor/Outdoor Room SLAB-200-CEIL-01: Concrete Slab (200mm) with Suspended PB Ceiling (11°-33°) Kitchen/Living/Dining FLAT-02: Flat Framed / Skillion Metal Roof & Cathedral PB Ceiling (11°-33°) SLAB-200-CEIL-01: Concrete Slab (200mm) with Suspended PB Ceiling (11°-33°) SLAB-250-CEIL-01: Concrete Slab (250mm) with Suspended Ceiling (11°-33°) SLAB-250-CEIL-01: Concrete Slab (250mm) with Suspended O 0.00 No	Bedroom 01		3.50	Yes
PB Ceiling Ensuite FLAT-02: Flat Framed / Skillion Metal Roof & Cathedral PB Ceiling (11°-33°) ATTIC-METAL-01: Pitched / Attic Metal Roof (Roofspace) & Flat PB Ceiling SLAB-200-CEIL-01: Concrete Slab (200mm) with Suspended PB Ceiling (11°-33°) Guest WC FLAT-02: Flat Framed / Skillion Metal Roof & Cathedral PB Ceiling (11°-33°) FLAT-02: Flat Framed / Skillion Metal Roof & Cathedral PB Ceiling (11°-33°) FLAT-02: Flat Framed / Skillion Metal Roof & Cathedral PB Ceiling (11°-33°) Indoor/Outdoor Room SLAB-200-CEIL-01: Concrete Slab (200mm) with Suspended PB Ceiling (11°-33°) Kitchen/Living/Dining SLAB-250-CEIL-01: Concrete Slab (250mm) with Suspended SLAB-250-CEIL-01: Concrete Slab (250mm) with Suspended O 0 00 No	Bedroom 01	, , ,	3.50	Yes
Ensuite Ceiling (11°-33°) Ensuite ATTIC-METAL-01: Pitched / Attic Metal Roof (Roofspace) & 3.50 Yes Flat PB Ceiling Garage SLAB-200-CEIL-01: Concrete Slab (200mm) with Suspended PB Ceiling Guest WC FLAT-02: Flat Framed / Skillion Metal Roof & Cathedral PB Ceiling (11°-33°) Hallway FLAT-02: Flat Framed / Skillion Metal Roof & Cathedral PB Ceiling (11°-33°) SLAB-200-CEIL-01: Concrete Slab (200mm) with Suspended PB Ceiling (11°-33°) Kitchen/Living/Dining FLAT-02: Flat Framed / Skillion Metal Roof & Cathedral PB Ceiling (11°-33°) SLAB-250-CEIL-01: Concrete Slab (250mm) with Suspended Ceiling (11°-33°) SLAB-250-CEIL-01: Concrete Slab (250mm) with Suspended Ceiling (11°-33°) SLAB-250-CEIL-01: Concrete Slab (250mm) with Suspended Ceiling (11°-33°)	Bedroom 03	, , ,	0.00	No
Flat PB Ceiling SLAB-200-CEIL-01: Concrete Slab (200mm) with Suspended PB Ceiling Guest WC FLAT-02: Flat Framed / Skillion Metal Roof & Cathedral PB Ceiling (11°-33°) FLAT-02: Flat Framed / Skillion Metal Roof & Cathedral PB Ceiling (11°-33°) FLAT-02: Flat Framed / Skillion Metal Roof & Cathedral PB Ceiling (11°-33°) SLAB-200-CEIL-01: Concrete Slab (200mm) with Suspended PB Ceiling Kitchen/Living/Dining FLAT-02: Flat Framed / Skillion Metal Roof & Cathedral PB Ceiling (11°-33°) SLAB-250-CEIL-01: Concrete Slab (250mm) with Suspended SLAB-250-CEIL-01: Concrete Slab (250mm) with Suspended SLAB-250-CEIL-01: Concrete Slab (250mm) with Suspended	Ensuite		3.50	Yes
Garage PB Ceiling Guest WC FLAT-02: Flat Framed / Skillion Metal Roof & Cathedral PB Ceiling (11°-33°) Hallway FLAT-02: Flat Framed / Skillion Metal Roof & Cathedral PB Ceiling (11°-33°) SLAB-200-CEIL-01: Concrete Slab (200mm) with Suspended PB Ceiling Kitchen/Living/Dining FLAT-02: Flat Framed / Skillion Metal Roof & Cathedral PB Ceiling SLAB-250-CEIL-01: Concrete Slab (250mm) with Suspended Ceiling (11°-33°) SLAB-250-CEIL-01: Concrete Slab (250mm) with Suspended O 00 No	Ensuite	, , ,	3.50	Yes
Guest WC Ceiling (11°-33°) Hallway FLAT-02: Flat Framed / Skillion Metal Roof & Cathedral PB Ceiling (11°-33°) SLAB-200-CEIL-01: Concrete Slab (200mm) with Suspended PB Ceiling Kitchen/Living/Dining FLAT-02: Flat Framed / Skillion Metal Roof & Cathedral PB Ceiling (11°-33°) SLAB-250-CEIL-01: Concrete Slab (250mm) with Suspended O 00 No No No No No No No No No	Garage	` , , ,	0.00	No
Hallway Ceiling (11°-33°) Indoor/Outdoor Room SLAB-200-CEIL-01: Concrete Slab (200mm) with Suspended PB Ceiling Kitchen/Living/Dining FLAT-02: Flat Framed / Skillion Metal Roof & Cathedral PB Ceiling (11°-33°) SLAB-250-CEIL-01: Concrete Slab (250mm) with Suspended O 00 No	Guest WC		3.50	Yes
Ritchen/Living/Dining PB Ceiling FLAT-02: Flat Framed / Skillion Metal Roof & Cathedral PB Ceiling (11°-33°) SLAB-250-CEIL-01: Concrete Slab (250mm) with Suspended 0.00 No No No No No No No No No	Hallway		3.50	Yes
Kitchen/Living/Dining Ceiling (11°-33°) SLAB-250-CEIL-01: Concrete Slab (250mm) with Suspended 0.00 No	Indoor/Outdoor Room	` , , ,	0.00	No
Kitchen/Living/Dining 0.00 No	Kitchen/Living/Dining		3.50	Yes
	Kitchen/Living/Dining	` , , ,	0.00	No



Ceiling type

Location	Construction	Bulk insulation (R-value)	Reflective wrap*
Lift	FLAT-02: Flat Framed / Skillion Metal Roof & Cathedral PB Ceiling (11°-33°)	3.50	Yes
Small Hallway	FLAT-02: Flat Framed / Skillion Metal Roof & Cathedral PB Ceiling (11°-33°)	3.50	Yes
Foyer	FLAT-02: Flat Framed / Skillion Metal Roof & Cathedral PB Ceiling (11°-33°)	3.50	Yes
Water Tanks Storage	SLAB-200-CEIL-01: Concrete Slab (200mm) with Suspended PB Ceiling	0.00	No

Ceiling penetrations*

Location	Quantity	Туре	Diameter (mm)	Sealed /unsealed
AC Mechanical	1	Downlight	100	Sealed
Bedroom 01	4	Downlight	100	Sealed
Bedroom 02	4	Downlight	100	Sealed
Downstairs	3	Downlight	100	Sealed
Electrical Comms Room	1	Downlight	100	Sealed
Ensuite	1	Downlight	100	Sealed
Ensuite 02	1	Downlight	100	Sealed
Foyer	1	Downlight	100	Sealed
Guest WC	1	Downlight	100	Sealed
Hallway	1	Downlight	100	Sealed
Indoor/Outdoor Room	4	Downlight	100	Sealed
Kitchen/Living/Dining	13	Downlight	100	Sealed
Kitchen/Living/Dining	1	Exhaust Fan	350	Sealed
Laundry	1	Downlight	100	Sealed
Pool Equipment	1	Downlight	100	Sealed
Staircase Base	3	Downlight	100	Sealed
Water Tanks Storage	1	Downlight	100	Sealed

Ceiling fans

Location	Quantity	Diameter (mm)
None		



Roof type

Construction	Added insulation (R-value)	Solar absorptance	Roof Colour
ATTIC-METAL-01: Pitched / Attic Metal Roof (Roofspace) & Flat PB Ceili	ing 1.30	0.50	Medium
FLAT-02: Flat Framed / Skillion Metal Roof & Cathedral PB Ceiling (11°-3	33°) 1.30	0.50	Medium
SLAB-200-CEIL-01: Concrete Slab (200mm) with Suspended PB Ceiling	2.68	0.50	Medium
SLAB-250-CEIL-01: Concrete Slab (250mm) with Suspended PB Ceiling	2.68	0.50	Medium



Explanatory Notes

About this report

A NathERS rating is a comprehensive, dynamic computer modelling evaluation of a home, using the floorplans, elevations and specifications to estimate an energy load. It addresses the building layout, orientation and fabric (i.e. walls, windows, floors, roofs and ceilings), but does not cover the water or energy use of appliances or energy production of solar panels.

Ratings are based on a unique climate zone where the home is located and are generated using standard assumptions, including occupancy patterns and thermostat settings. The actual energy consumption of a home may vary significantly from the predicted energy load, as the assumptions used in the rating will not match actual usage patterns. For example, the number of occupants and personal heating or cooling preferences will vary.

While the figures are an indicative guide to energy use, they can be used as a reliable guide for comparing different dwelling designs and to demonstrate that the design meets the energy efficiency requirements in the National Construction Code. Homes that are energy efficient use less energy, are warmer on cool days, cooler on hot days and cost less to run. The higher the star rating the more thermally efficient the dwelling is.

Accredited assessors

To ensure the NatHERS Certificate is of a high quality, always use an accredited or licenced assessor. NatHERS accredited assessors are members of a professional body called an Assessor Accrediting Organisation (AAO).

Australian Capital Territory (ACT) licensed assessors may only produce assessments for regulatory purposes using software for which they have a licence endorsement. Licence endorsements can be confirmed on the ACT licensing register

AAOs have specific quality assurance processes in place, and continuing professional development requirements, to maintain a high and consistent standard of assessments across the country. Non-accredited assessors do not have this level of quality assurance or any ongoing training requirements.

Any questions or concerns about this report should be directed to the assessor in the first instance. If the assessor is unable to address these questions or concerns, the AAO specified on the front of this certificate should be contacted.

Disclaimer

The format of the NatHERS Certificate was developed by the NatHERS Administrator. However the content of each individual certificate is entered and created by the assessor to create a NatHERS Certificate. It is the responsibility of the assessor who prepared this certificate to use NatHERS accredited software correctly and follow the NatHERS Technical Notes to produce a NatHERS Certificate

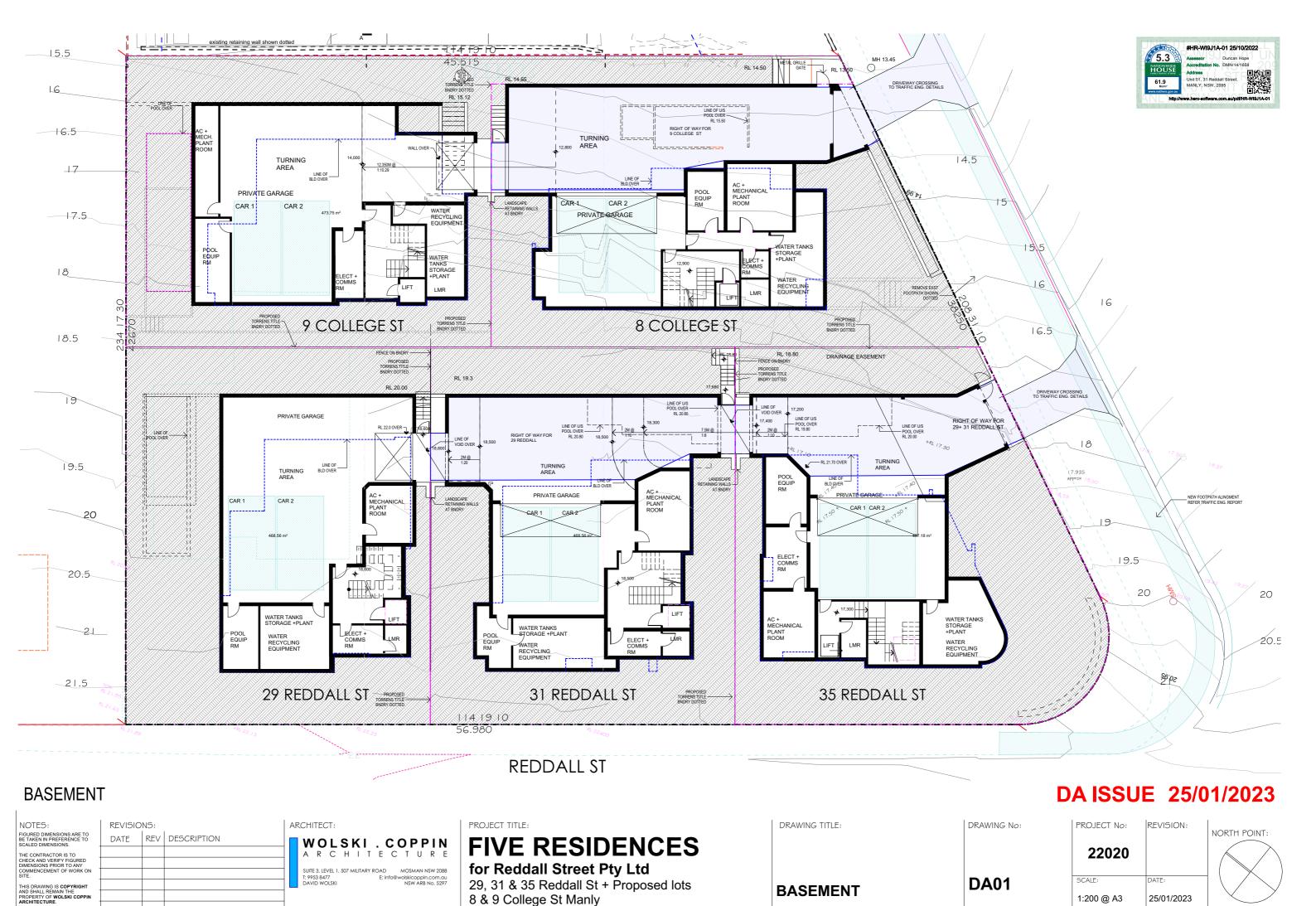
The predicted annual energy load in this NatHERS Certificate is an estimate based on an assessment of the building by the assessor. It is not a prediction of actual energy use, but may be used to compare how other buildings are likely to perform when used in a similar way.

Information presented in this report relies on a range of standard assumptions (both embedded in NatHERS accredited software and made by the assessor who prepared this report), including assumptions about occupancy, indoor air temperature and local climate.

Not all assumptions that may have been made by the assessor while using the NatHERS accredited software tool are presented in this report and further details or data files may be available from the assessor.

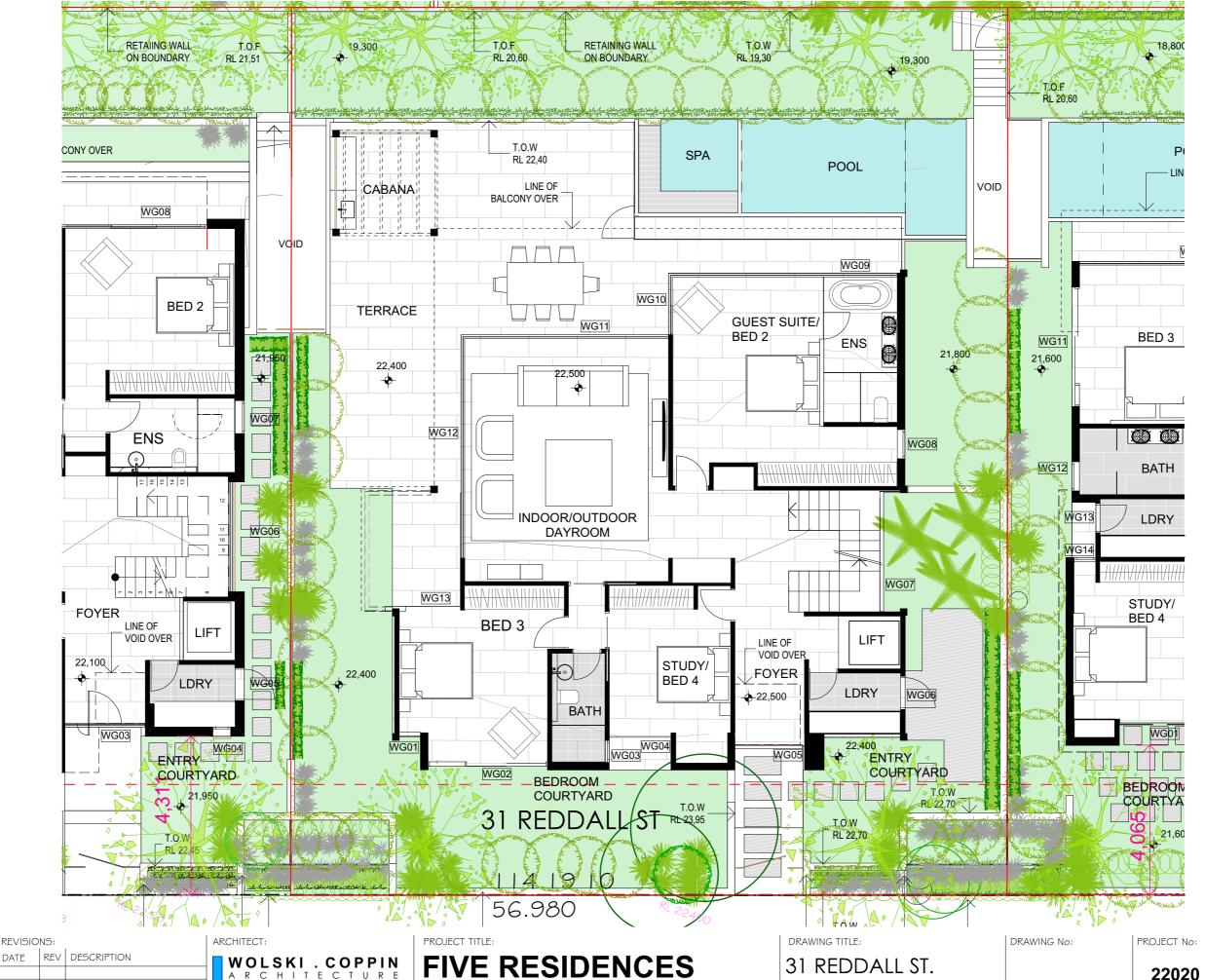
Glossary

,						
Annual energy load	the predicted amount of energy required for heating and cooling, based on standard occupancy assumptions.					
Assessed floor area	the floor area modelled in the software for the purpose of the NatHERS assessment. Note, this may not be consistent with the floor are the design documents.					
Ceiling penetrations	features that require a penetration to the ceiling, including downlights, vents, exhaust fans, rangehoods, chimneys and flues. Excludes fixtures attached to the ceiling with small holes through the ceiling for wiring, e.g. ceiling fans; pendant lights, and heating and cooling ducts.					
Conditioned	a zone within a dwelling that is expected to require heating and cooling based on standard occupancy assumptions. In some circumstances it will include garages.					
Custom windows	windows listed in NatHERS software that are available on the market in Australia and have a WERS (Window Energy Rating Scheme) rating.					
Default windows	windows that are representative of a specific type of window product and whose properties have been derived by statistical methods.					
Entrance door	these signify ventilation benefits in the modelling software and must not be modelled as a door when opening to a minimally ventilated corridor in a Class 2 building.					
Exposure category - exposed	terrain with no obstructions e.g. flat grazing land, ocean-frontage, desert, exposed high-rise unit (usually above 10 floors).					
Exposure category - open	terrain with few obstructions at a similar height e.g. grasslands with few well scattered obstructions below 10m, farmland with scattered sheds, lightly vegetated bush blocks, elevated units (e.g. above 3 floors).					
Exposure category - suburban	terrain with numerous, closely spaced obstructions below 10m e.g. suburban housing, heavily vegetated bushland areas.					
Exposure category - protected	terrain with numerous, closely spaced obstructions over 10 m e.g. city and industrial areas.					
Horizontal shading feature	provides shading to the building in the horizontal plane, e.g. eaves, verandahs, pergolas, carports, or overhangs or balconies from upper levels.					
National Construction Code (NCC) Class	the NCC groups buildings by their function and use, and assigns a classification code. NatHERS software models NCC Class 1, 2 or 4 buildings and attached Class 10a buildings. Definitions can be found at www.abcb.gov.au.					
Opening percentage	the openability percentage or operable (moveable) area of doors or windows that is used in ventilation calculations.					
Provisional value	an assumed value that does not represent an actual value. For example, if the wall colour is unspecified in the documentation, a provisional value of 'medium' must be modelled. Acceptable provisional values are outlined in the NatHERS Technical Note and can be found at www. nathers.gov.au					
Reflective wrap (also known as foil)	can be applied to walls, roofs and ceilings. When combined with an appropriate airgap and emissivity value, it provides insulative properties.					
Roof window	for NatHERS this is typically an operable window (i.e. can be opened), will have a plaster or similar light well if there is an attic space, and generally does not have a diffuser.					
Shading device	a device fixed to windows that provides shading e.g. window awnings or screens but excludes eaves.					
Shading features	includes neighbouring buildings, fences, and wing walls, but excludes eaves.					
Solar heat gain coefficient (SHGC)	the fraction of incident solar radiation admitted through a window, both directly transmitted as well as absorbed and subsequently released inward. SHGC is expressed as a number between 0 and 1. The lower a window's SHGC, the less solar heat it transmits.					
Skylight (also known as roof lights)	for NatHERS this is typically a moulded unit with flexible reflective tubing (light well) and a diffuser at ceiling level.					
U-value	the rate of heat transfer through a window. The lower the U-value, the better the insulating ability.					
Unconditioned	a zone within a dwelling that is assumed to not require heating and cooling based on standard occupancy assumptions					
Vertical shading features	provides shading to the building in the vertical plane and can be parallel or perpendicular to the subject wall/window. Includes privacy screens, other walls in the building (wing walls), fences, other buildings, vegetation (protected or listed heritage trees).					



BIM Server: BIMSRV01 - BIM Server 20/29-35 Reddall Street, Manly 5 Residences - Study 1 - 121121

PLOT DATE:



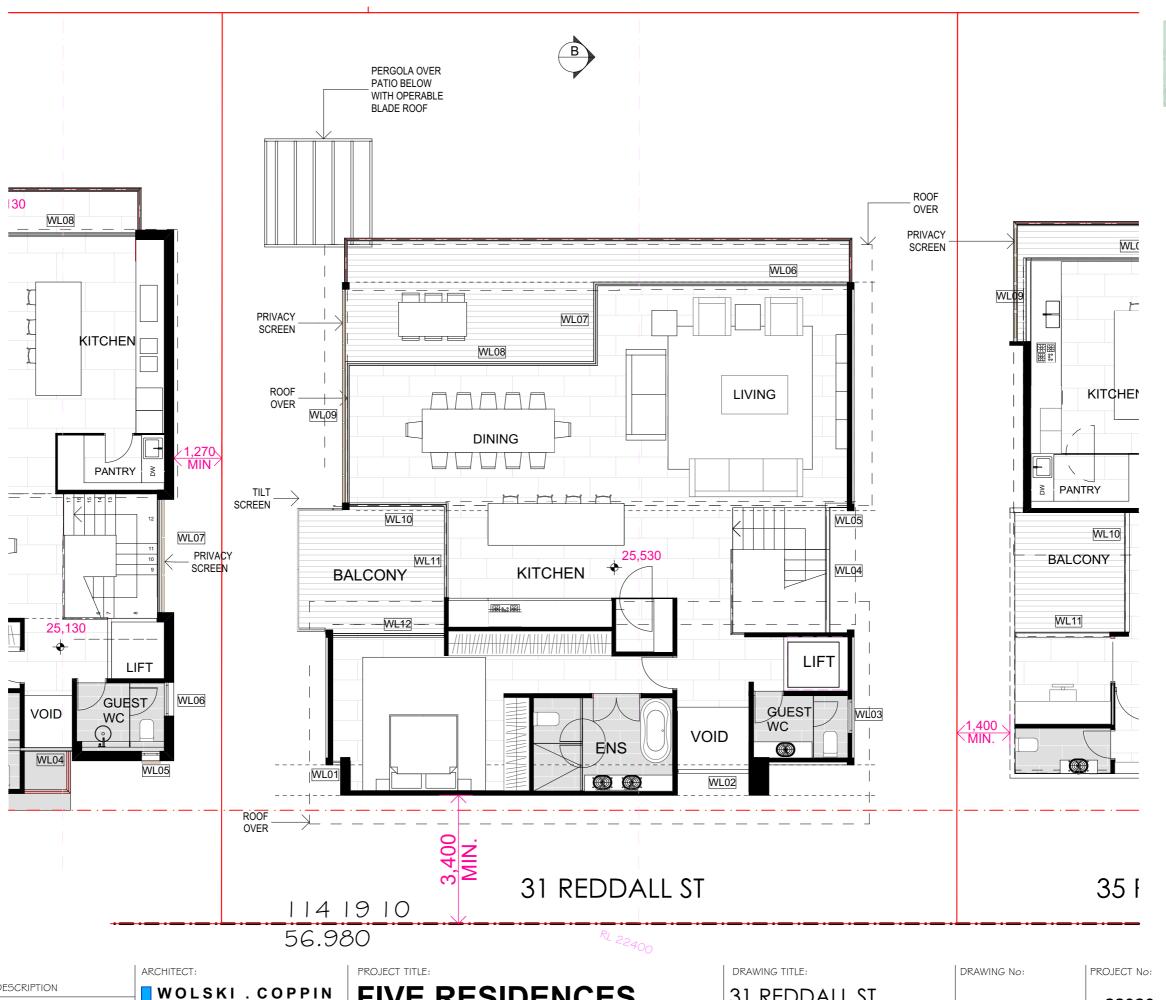
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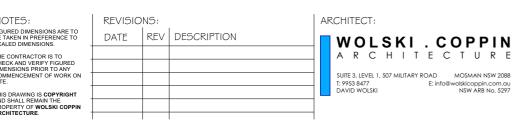
Manly

29, 31 & 35 Reddall St + 8 & 9 College St

SUITE 3, LEVEL 1, 507 MILITARY ROAD T: 9953 8477 E: info DAVID WOLSKI





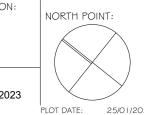


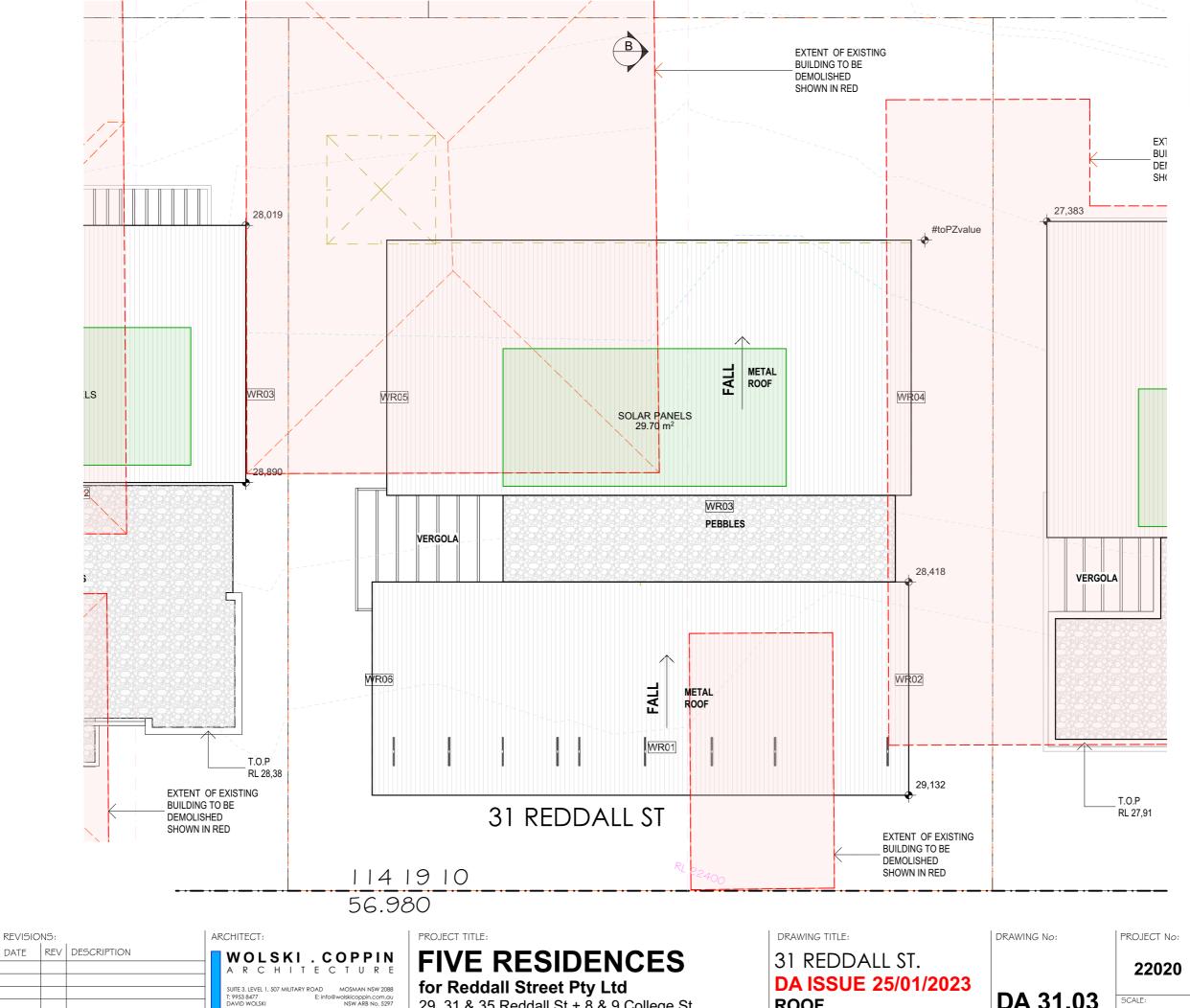
FIVE RESIDENCES

for Reddall Street Pty Ltd 29, 31 & 35 Reddall St + 8 & 9 College St Manly

31 REDDALL ST. **DA ISSUE 25/01/2023 FIRST FLOOR**

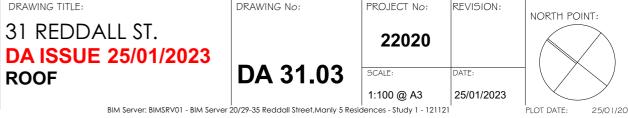




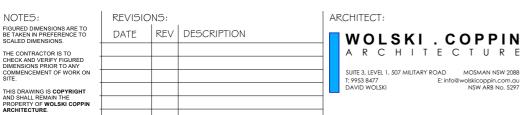


29, 31 & 35 Reddall St + 8 & 9 College St

Manly







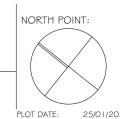
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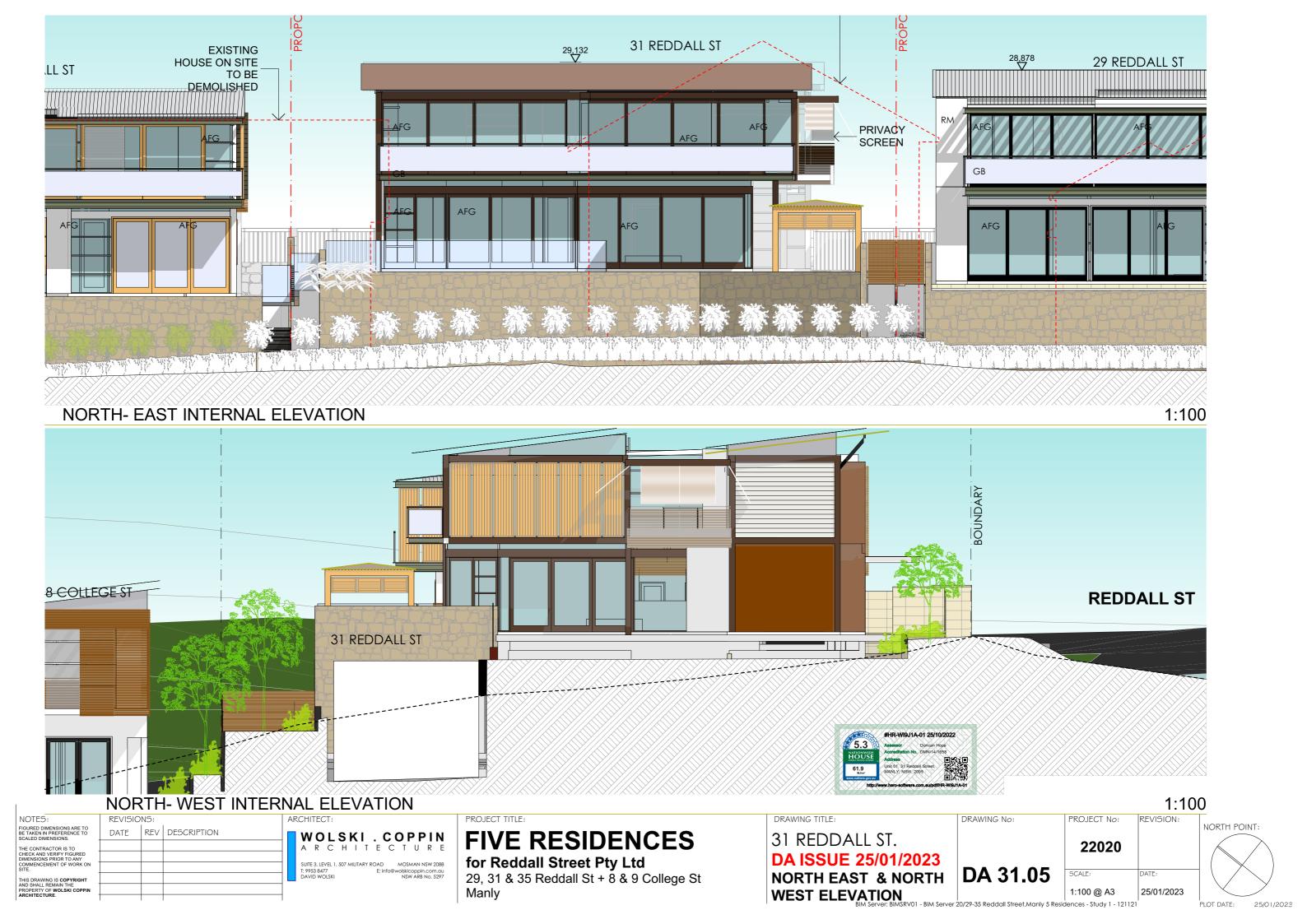
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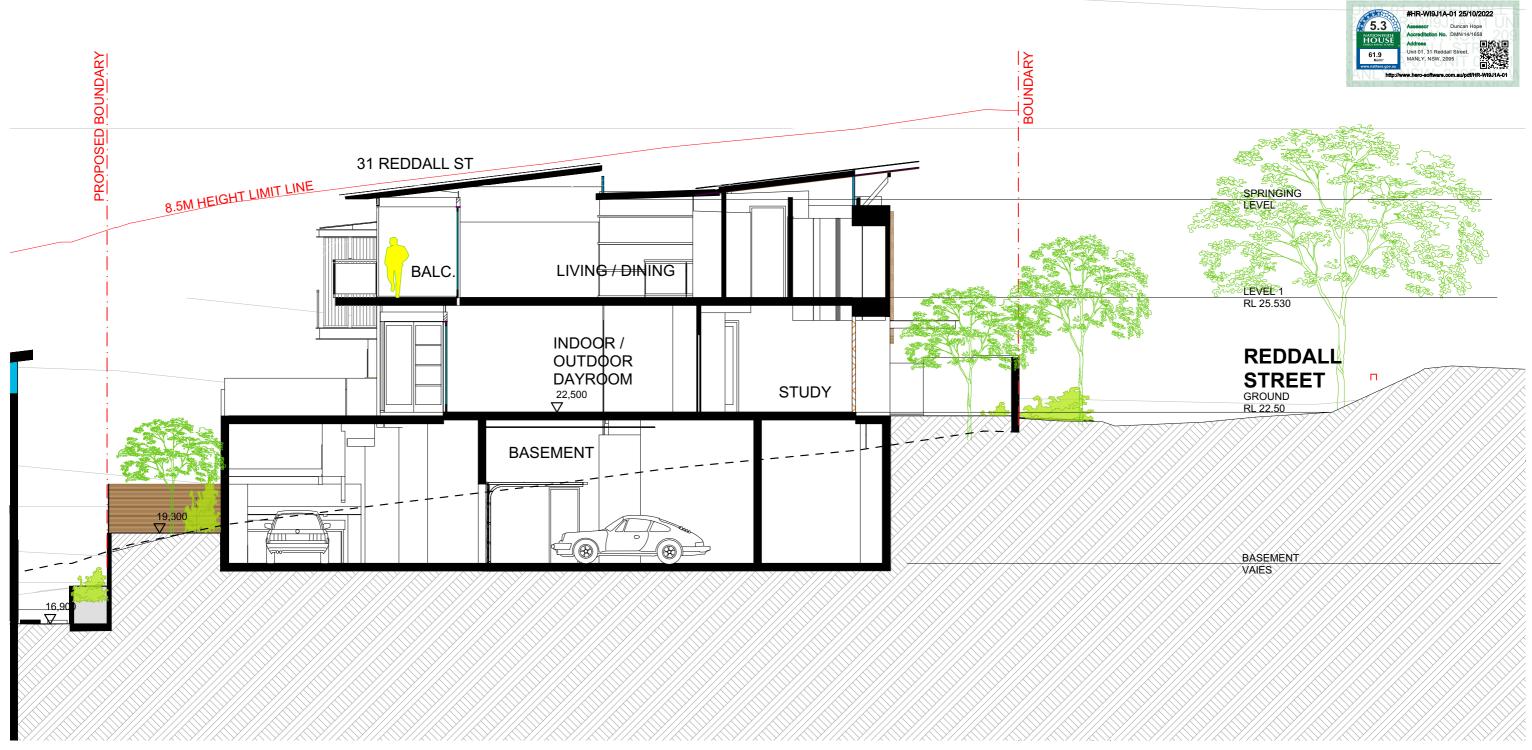
for Reddall Street Pty Ltd 29, 31 & 35 Reddall St + 8 & 9 College St Manly

DRAWING TITLE: 31 REDDALL ST. **DA ISSUE 25/01/2023 SOUTH WEST & SOUTH EAST ELEVATION** SRV01 - BIM Server 20/29-35 Reddall Street,Manly 5 Residences - Study 1 - 121121

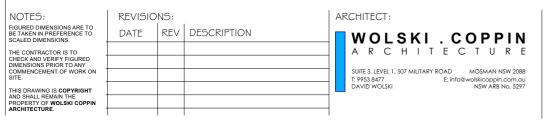
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LONG SECTION A

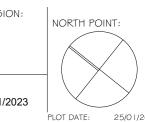


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for Reddall Street Pty Ltd 29, 31 & 35 Reddall St + 8 & 9 College St Manly

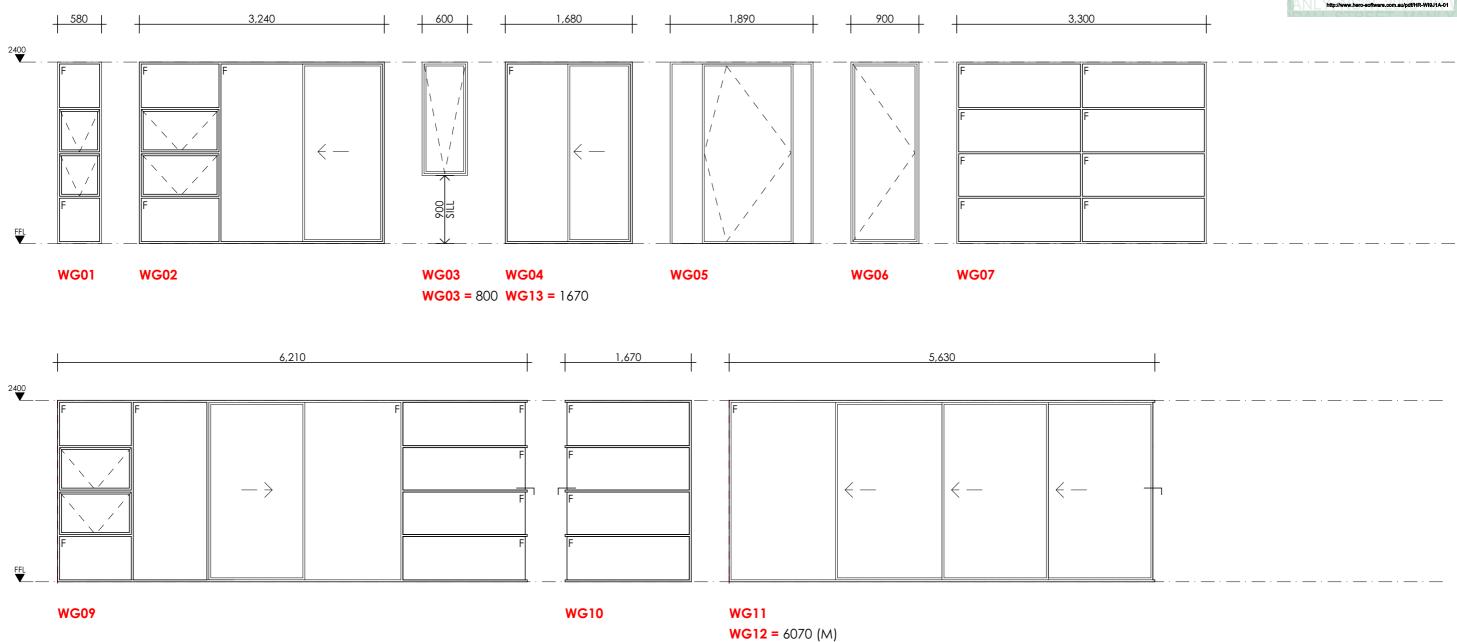
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DRAWING No: PROJECT No: REVISION: 22020 **DA 31.06** 1:100 @ A3 25/01/2023



GROUND FLOOR





	NOTES:	REVISIONS:			AF	ARCHITECT:	
	FIGURED DIMENSIONS ARE TO BE TAKEN IN PREFERENCE TO SCALED DIMENSIONS.	DATE F	REV	DESCRIPTION		WOLSKI . COPPIN	
	THE CONTRACTOR IS TO					ARCHITECTURE	
DIME	CHECK AND VERIFY FIGURED DIMENSIONS PRIOR TO ANY						
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PROJECT TITLE:

FIVE RESIDENCES

for Reddall Street Pty Ltd 29, 31 & 35 Reddall St + 8 & 9 College St Manly

DA ISSUE 25/01/2023 WINDOW SCHEDULE 01
DA ISSUE 25/01/2023
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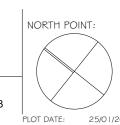
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PROJECT No: REVISION:

22020

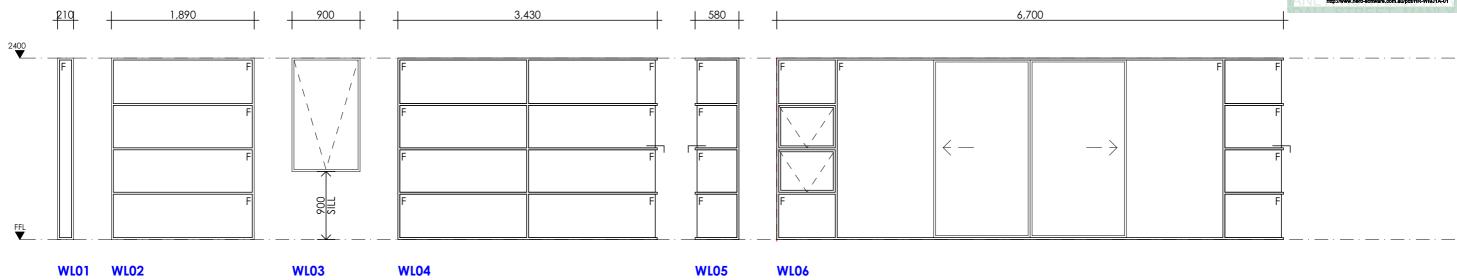
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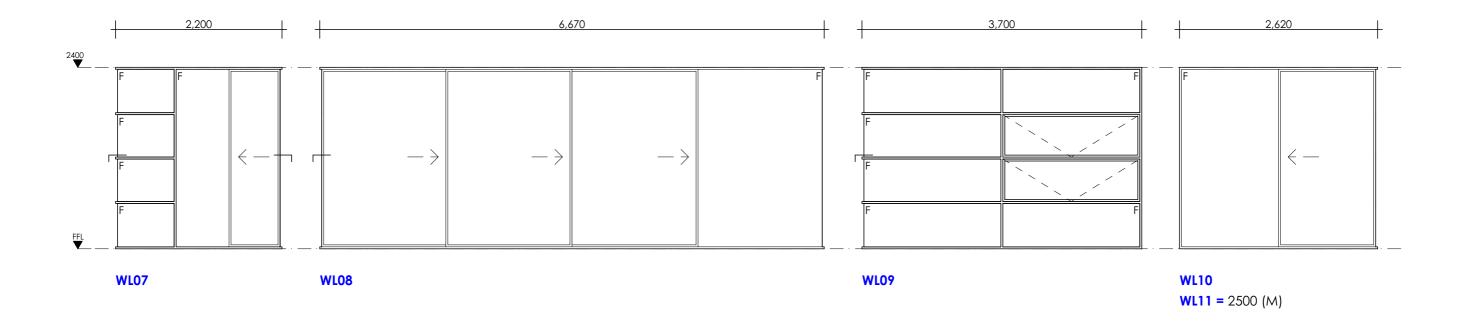
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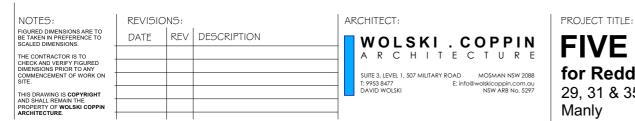


FIRST FLOOR









FIVE RESIDENCES for Reddall Street Pty Ltd

for Reddall Street Pty Ltd 29, 31 & 35 Reddall St + 8 & 9 College St Manly DRAWING TITLE:

29 REDDALL ST.

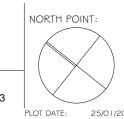
DA ISSUE 25/01/2023
WINDOW SCHEDULE 02

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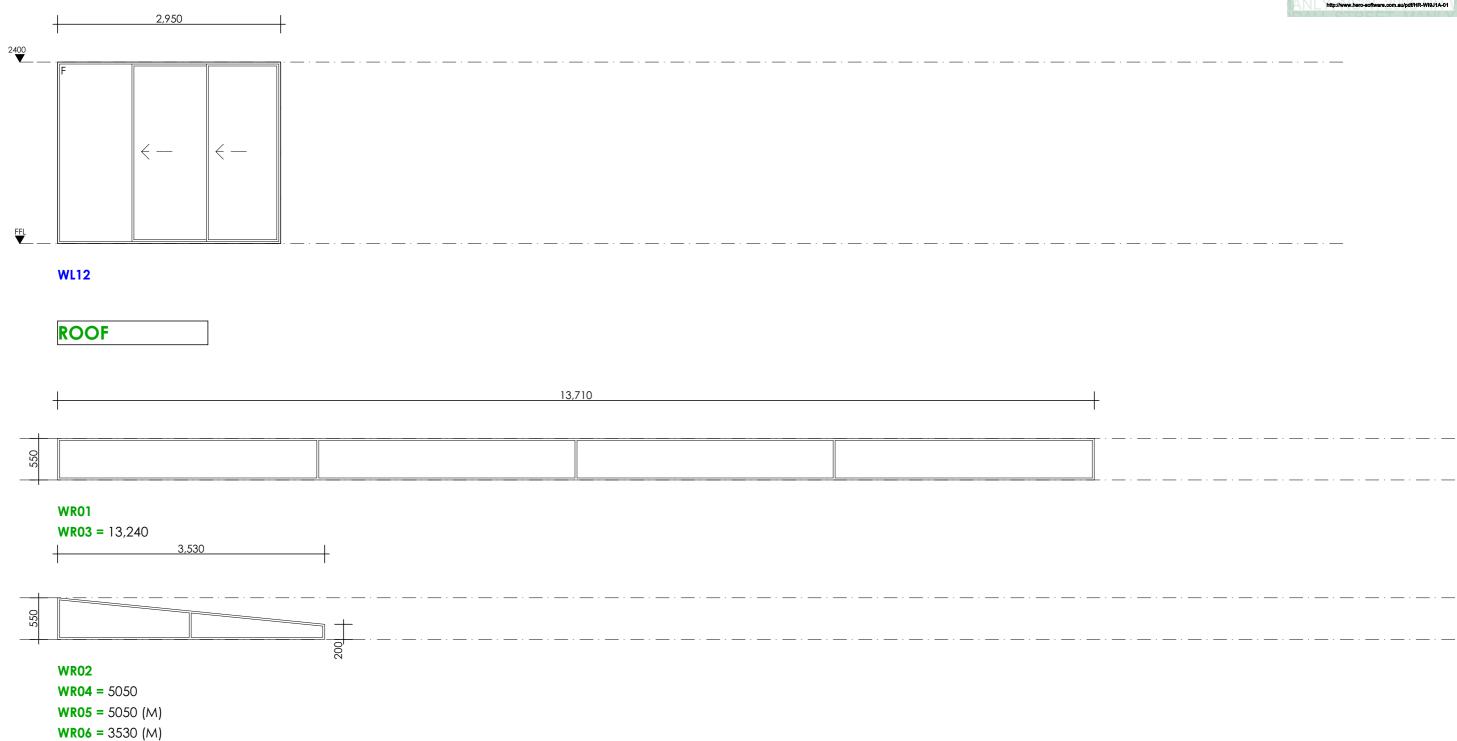
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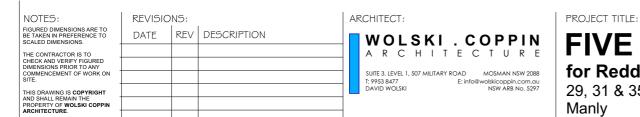
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FIRST FLOOR







FIVE RESIDENCES

for Reddall Street Pty Ltd 29, 31 & 35 Reddall St + 8 & 9 College St Manly

DRAWING TITLE: 29 REDDALL ST. **DA ISSUE 25/01/2023 WINDOW SCHEDULE 03**

DRAWING No:

PROJECT No: REVISION: 22020 SCALE:

NORTH POINT: 25/01/2023 1:50 @ A3 PLOT DATE:

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