

CLIENT
JUDY HSU &
CHRIS HUDSON

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 Date
 Description
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 LEGEND

 P1
 9.11.2023
 ISSUE FOR COORDINATION
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 P2
 28.11.2023
 ISSUE FOR COORDINATION
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 P3
 1.12.2023
 ISSUE FOR COORDINATION
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Date Scale

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Do not scale drawings. Verify All dimensions on site. Notify architect of all discrepancies.

FRESHWATER HOUSE

31 Kooloora Avenue, Freshwater

Drawing Title
SITE AND ROOF PLAN
Drawing No.

AR.DA. 0000

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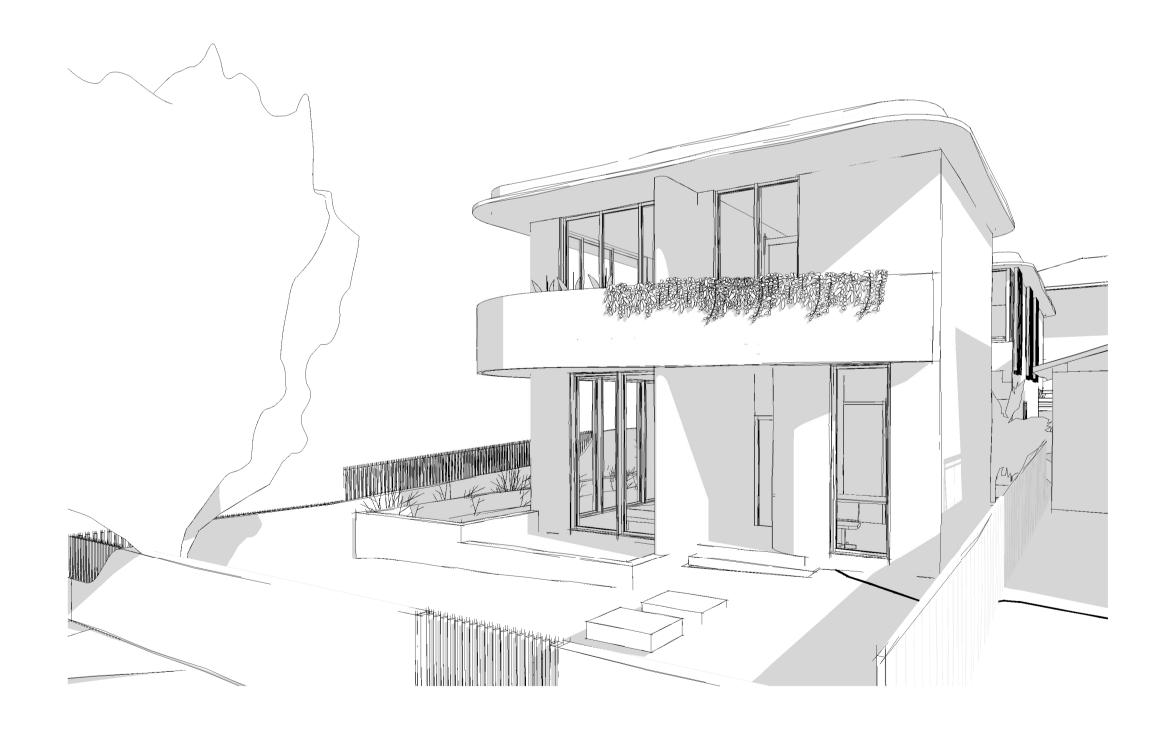
contact@r2studios.com.au www.r2studios.com.au R[≥] STUDIOS





3D View 1

3D View 3



Certificate No. 0009167644-02 Assessor name Danielle Grumont Accreditation No. HERA10134 Property Address 31 Kooloora Avenue,FRESHWATER NSW,2096 hstar.com.au/QR/Generate?p=KsaEMySxs

CLIENT
JUDY HSU &
CHRIS HUDSON

DESIGN ARCHITECT	SURVEYOR
R SQUARED STUDIOS	DONOVAN ASSOCIATES
PLANNER	STRUCTURAL & HYDRAULIC ENGINE
VMDC PLANNING	BMY BUILDING CONSULTANTS
LANDSCAPE CONSULTANT	ENERGY CONSULTANT
TCGD	GREEN FUTURE GROUP

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08.70	on studs. Single skin masonry can be installed as an alternative.
Floors	Concrete slab on ground with R1.8 underslab insulation (insulation only value
	Concrete to First Floor (between levels) with R2.0 insulation (insulation only value) to any suspended floor with open subfloor
11 - 11 - 11	Floor coverings: Tiles to Ground Floor and the wet areas of First Floor, carpet to upstairs bedrooms, timber elsewhere upstairs
Ceiling fans	Three Ceiling Fans: one to Upper Sitting Room, one to Dining Room, and one to either the GF Sitting Room or Living Room
External Shading	Covered Alfresco and Balconies. Shading screens to Ensuite 1 and Study windows. Eaves as shown on drawings
	BASIX Water Commitments
Fixtures	Install showerheads minimum rating of 4 stars (>6.0 and <= 7.5 Litres/min)
	Install toilet flushing system with a minimum rating of 4 stars in each toilet
	Install tap with minimum rating of 4 stars in the kitchen
	Install taps with minimum rating of 4 stars in each bathroom
Alternative Water	Install rainwater tank with minimum 10,000L capacity, connected to - At least one outdoor tap and toilets, and used to top up spa
	and pool
	Rainwater harvest collected from a min. 215m² roof area
Pool and Spa	Volume of Pool: 74kL, Volume of Spa: 6kL. Both Pool and Spa are to have a cover.
	BASIX Energy Commitments
Hot water System	Gas Instantaneous with minimum performance of 6 Stars
Cooling system	3 phase air conditioning to living areas and bedrooms: EER 3.0-3.5
Heating system	3 phase air conditioning to living areas and bedrooms: EER 3.0-3.5
Ventilation	Kitchen - Individual fan, externally ducted to roof or façade, manual on/off switch
	Bathrooms - Individual fan, externally ducted to roof or façade, manual on/off switch
	Laundry - Individual fan, externally ducted to roof or façade, manual on/off switch
Pool and Spa	Pool Heating System: solar (electric boosted), controlled by timer, dual speed pool pump with minimum performance of 6 Stars.
- 1	Spa Heating System: solar (electric boosted), controlled by timer
Alternative Energy	Minimum 5.5kW of solar/PV, with panels sloped between >0° to <=10°, and facing North West
Other	Gas cooktop & electric oven
	Outdoor clothes drying line

NatHERS & BASIX Assessment

Group A – bifold and casement doors:
PVC-005-01: U-Value: 2.60 (equal to or lower than) SHGC: 0.50 (±10%)

Group B – sliding doors/windows + fixed glazing:
PVC-006-01: U-Value: 2.60 (equal to or lower than) SHGC: 0.53 (±10%)

Given values are Arrow,

Double glazed with timber or aluminium frame

Roof Concrete roof with waterproof membrane
Colour: Light (0.475>SA)

Ceiling Plasterboard ceiling with R4.0 insulation (insulation only value) where roof above
No insulation required to Garage ceiling
Ground Floor ceiling is concrete between levels

Ceiling penetrations Sealed LED downlights to Ground Floor, modelled; One per 3m²

External Walls Concrete with R2.7 insulation (insulation only value)
No insulation required to Garage walls

Given values are AFRC, total window system values (glass and frame)

Skylights Double glazed with timber or aluminium frame

Thermal Comfort Specifications Glazing: 'Default' codes modelled which are not brand specific. You can use any brand/manufacturer and type of glass and frame; these Doors/windows are maximum U-values, and there is a flexibility of +/- 10% (as stated below) with the SHGC value.

Note: tested also with single skin masonry which performs 0.1 Stars better. Have applied worst case scenario with plasterboard

Project Architect

-	Project
	FRESHWATER HOUSE

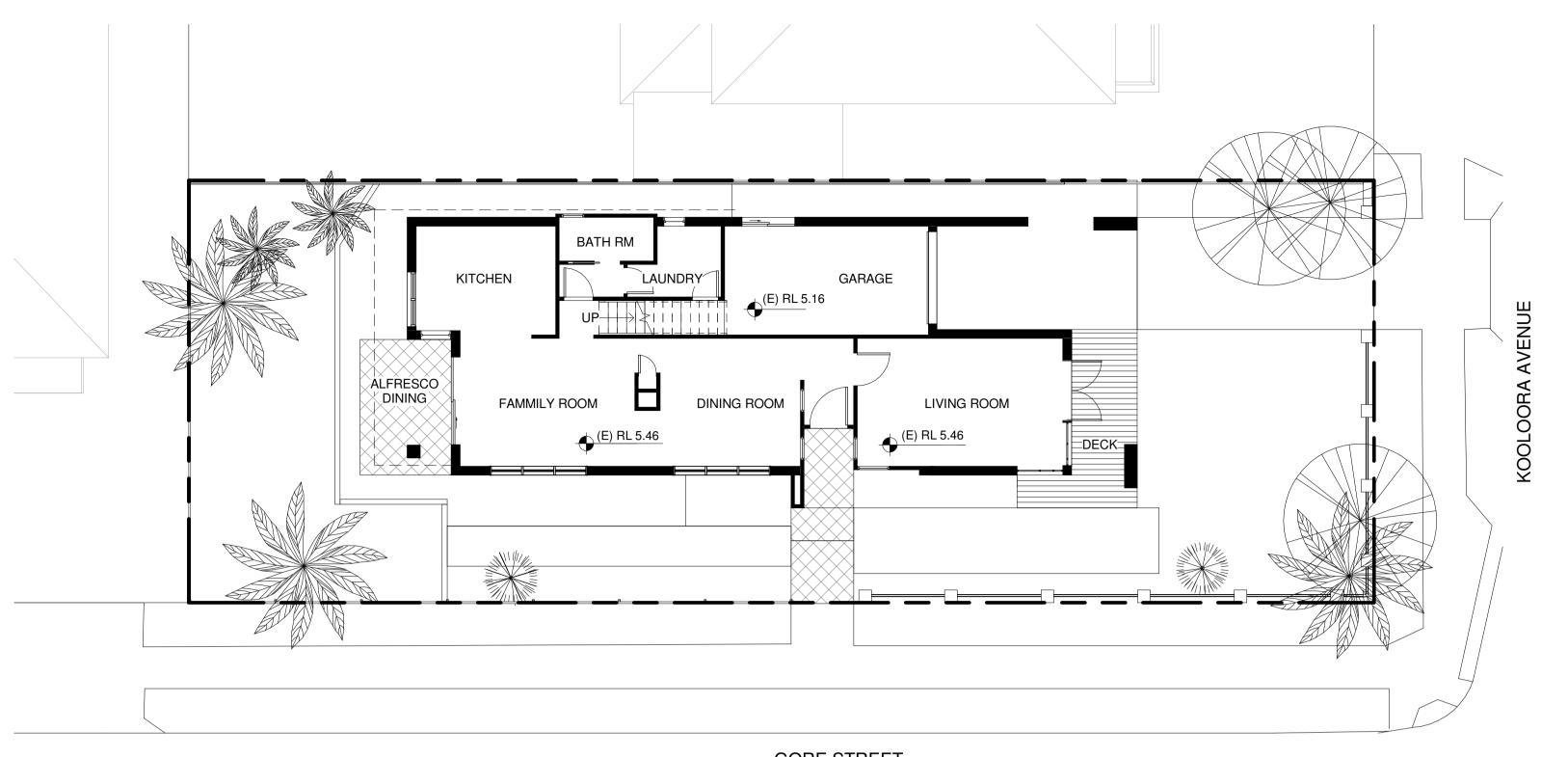
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31 Kooloora Avenue, Freshwater Drawing Title

PERSPECTIVE VIEWS Drawing No. AR.DA. 0001

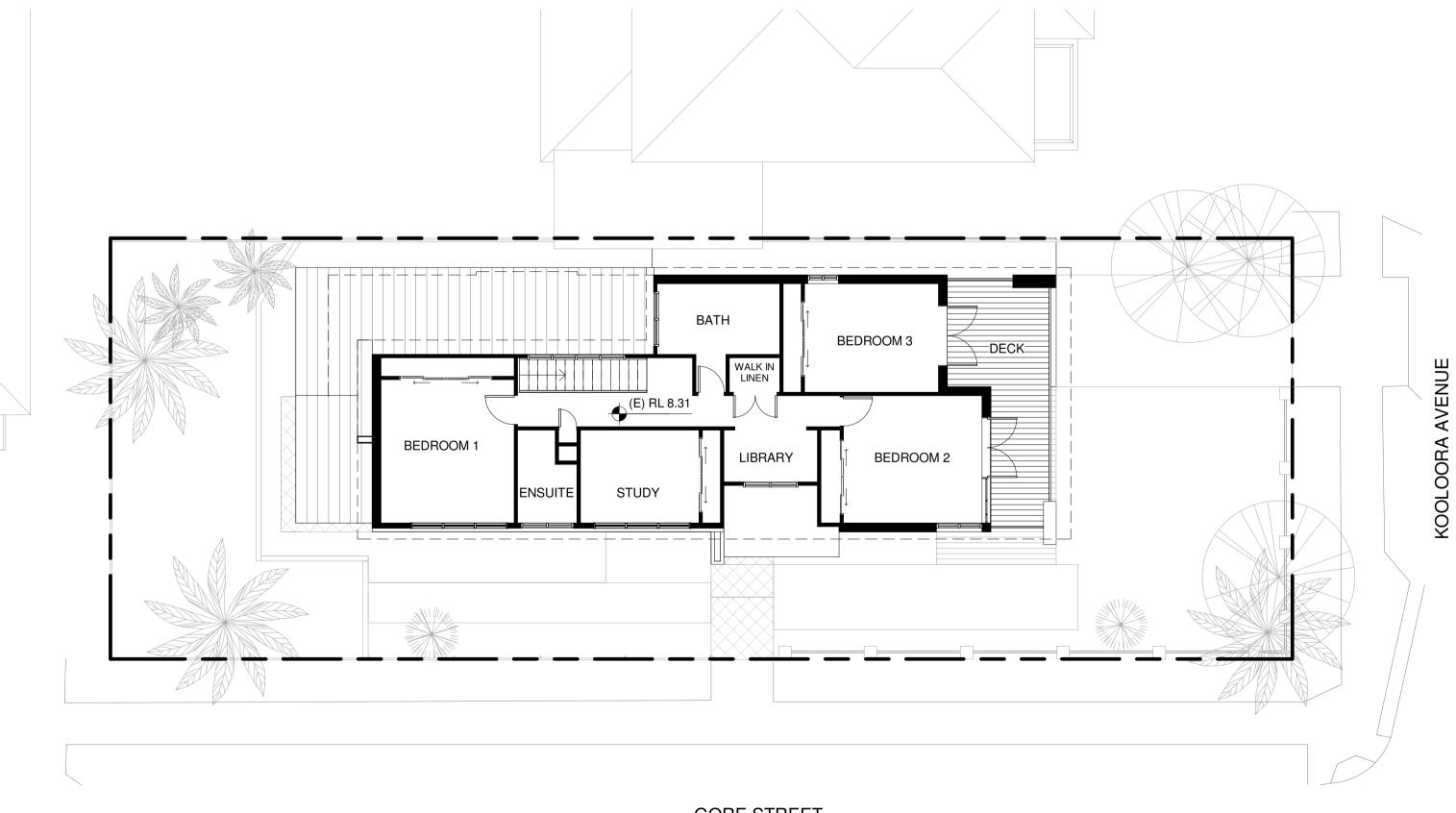


Date 22/12/2023



GORE STREET

(E) GROUND FLOOR 1:100



Certificate No. 0009167644-02 Assessor name Danielle Grumont Avenue,FRESHWATER NSW,2096 hstar.com.au/QR/Generate?p=KsaEMySxs

GORE STREET

(E) FIRST FLOOR 1:100

CLIENT JUDY HSU & CHRIS HUDSON DESIGN ARCHITECT SURVEYOR DONOVAN ASSOCIATES R SQUARED STUDIOS STRUCTURAL & HYDRAULIC ENGIN **PLANNER** VMDC PLANNING **BMY BUILDING CONSULTANTS**

LANDSCAPE CONSULTANT

ENERGY CONSULTANT

GREEN FUTURE GROUP

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_	Project FRESHWATER HOUSE
	31 Kooloora Avenue, Freshwater
_	Drawing Title
	(E) GROUND AND FIRST FLOOR

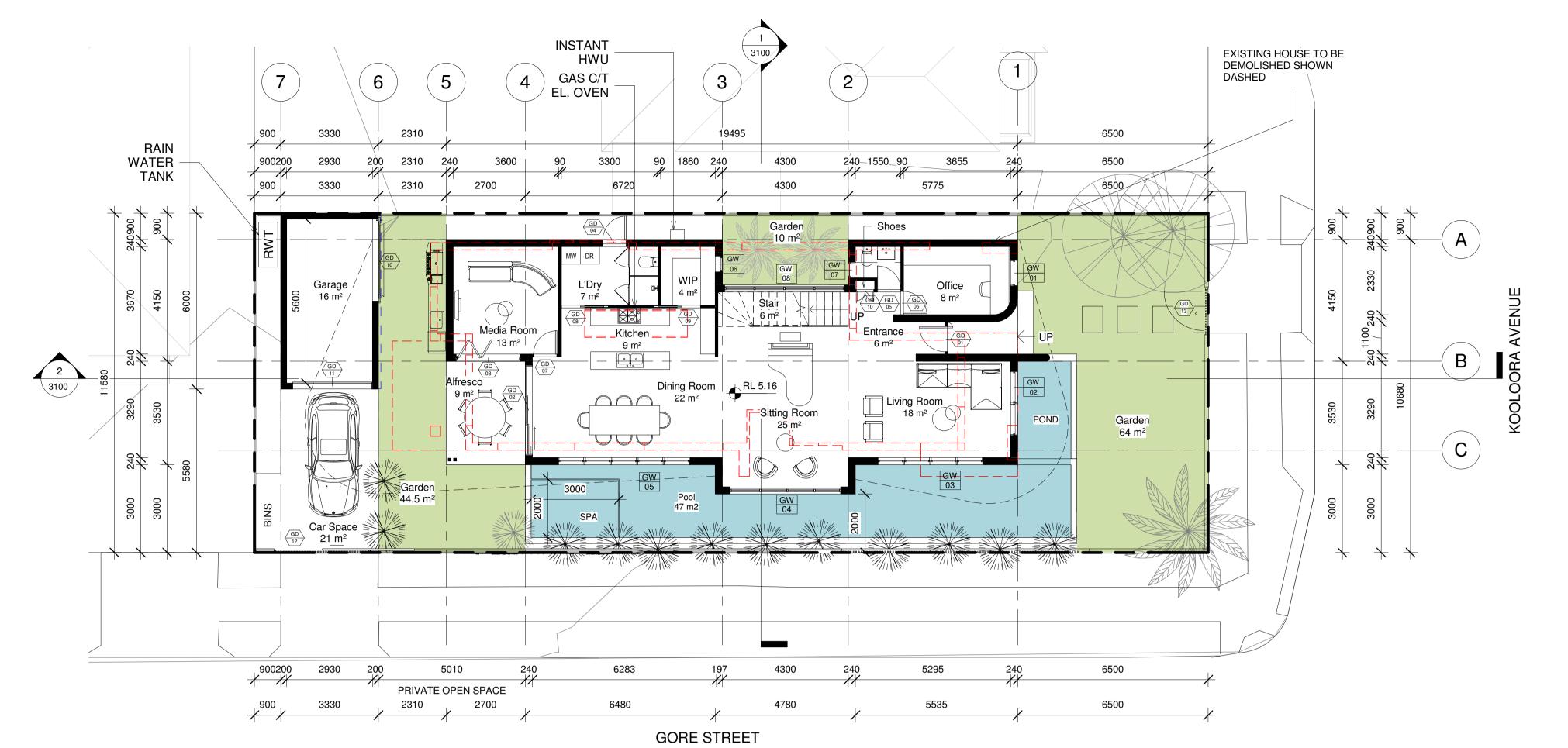
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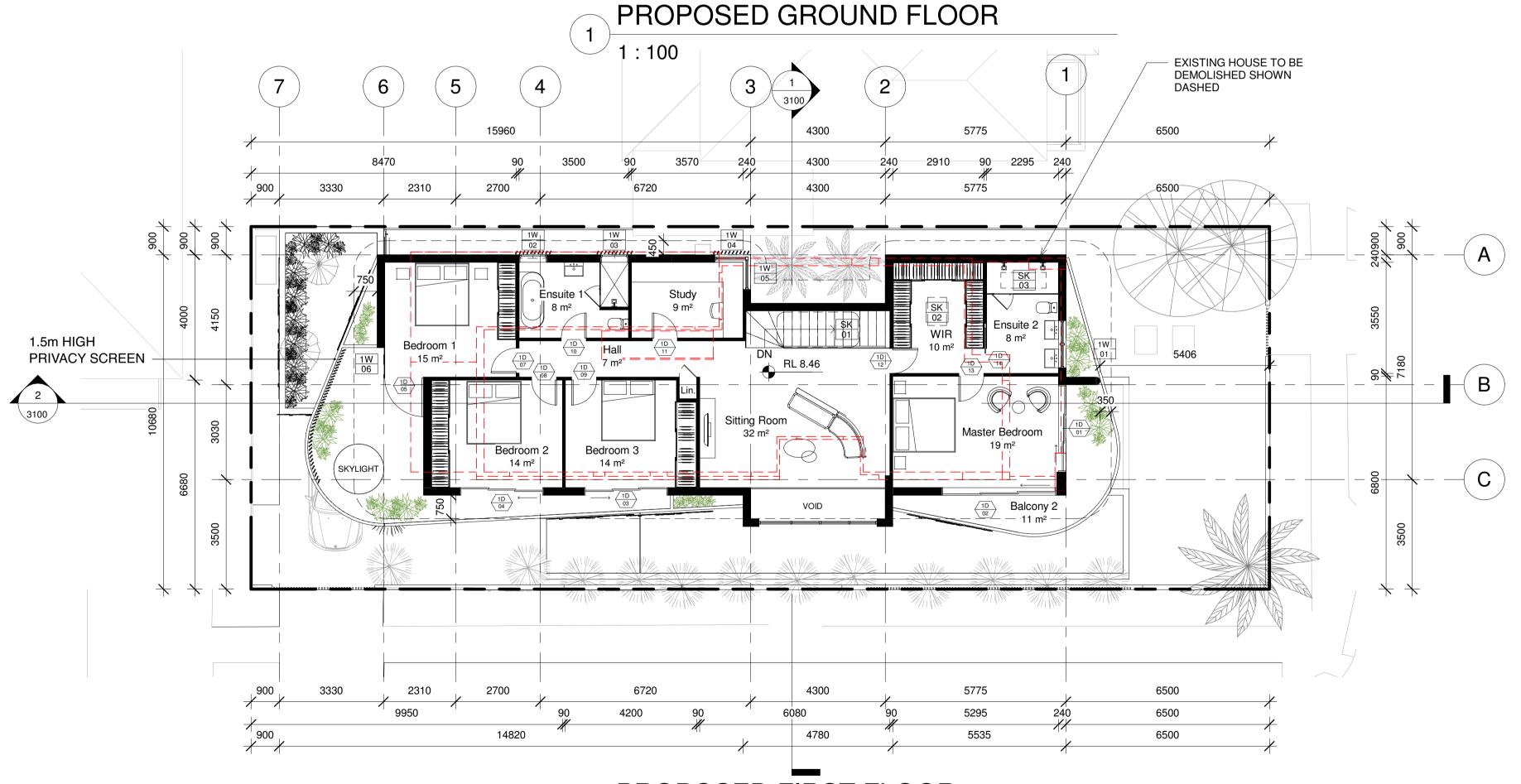
Project Architect

R² STUDIOS

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NI	۸					
Name Area						
Media Room	13 m²					
Kitchen	9 m²					
L'Dry	7 m ²					
WIP	4 m²					
Sitting Room	25 m ²					
Entrance	6 m ²					
Office	8 m ²					
Powder Room	2 m ²					
Living Room	18 m ²					
Dining Room	22 m ²					
Stair	6 m ²					
	119 m²					
Garage	16 m ²					
Alfresco	9 m²					
Car Space	21 m ²					
	47 m ²					
Lands	scape Area Schedule					
Name Area						
O a wala wa	002					
Garden	63 m ²					
Garden	64 m ²					
Pool 41 m ²						
Garden 10 m ²						



First Floor Room Schedule							
Name Area							
Balcony 1	21 m ²						
Bedroom 1	15 m ²						
Ensuite 1	8 m ²						
Study	9 m²						
Bedroom 2	14 m²						
Bedroom 3	14 m²						
Hall	7 m ²						
Sitting Room	32 m ²						
WIR	10 m ²						
Ensuite 2	8 m ²						
Master Bedroom	19 m²						
Balcony 2	11 m ²						
	170 m²						

Certificate No. 0009167644-02

HOUSE Scan QR code or follow website link for rating details. Avenue,FRESHWATER NSW,2096 hstar.com.au/QR/Generate?p=KsaEMySxs

TCGD

PROPOSED FIRST FLOOR

CLIENT JUDY HSU & CHRIS HUDSON

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LANDSCAPE CONSULTANT	ENERGY CONSULTANT						

GREEN FUTURE GROUP

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RESHWATER HOUSE

1 Kooloora Avenue, Freshwater

AR.DA. 1100

Drawing No.

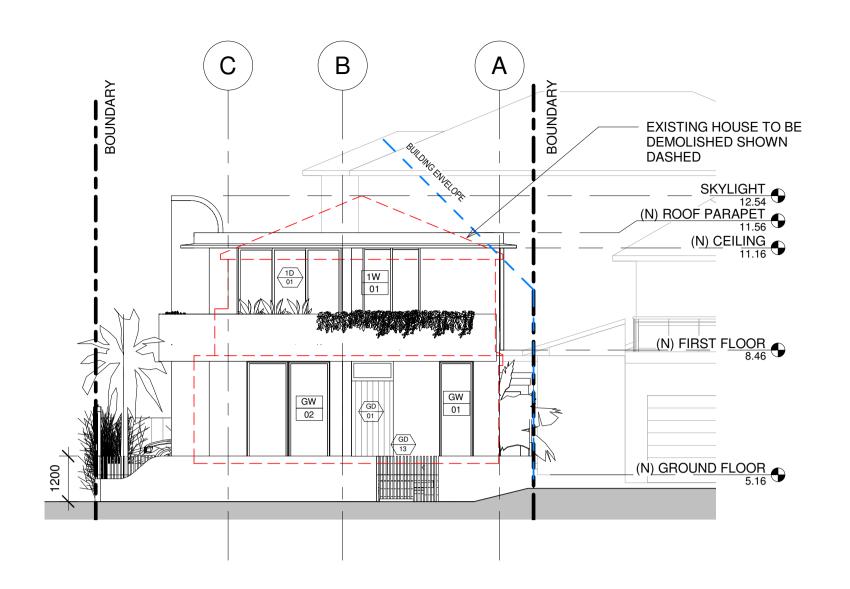
PROPOSED GROUND AND FIRST FLOOR PLAN

Project Architect

contact@r2studios.com.au

www.r2studios.com.au





North Elevation
1:100

EXISTING HOUSE TO BE DEMOLISHED SHOWN DASHED SKYLIGHT 12.54 (N) ROOF PARAPET (N) CEILING 11.16 1.5m HIGH PRIVACY SCREEN ____(N) FI<u>RST</u> FL<u>OOR</u> €

South Elevation

1 · 100

(N) GROUND FLOOR 5.16

EXISTING HOUSE TO BE DEMOLISHED SHOWN DASHED 5 SKYLIGHT 12.54 (N) ROOF PARAPET (N) CEILING 11.16 (N) FIRST FLOOR 8.46 (N) GROUND FLOOR 5.16

West Elevation

 EXISTING HOUSE TO BE DEMOLISHED SHOWN DASHED SKYLIGHT 12.54 (N) ROOF PARAPET 11.56 ____(N) <u>CEILING</u> 11.16 (N) FIRST FLOOR 8.46 (N) GROUND FLOOR 5.16

East Elevation

1:100

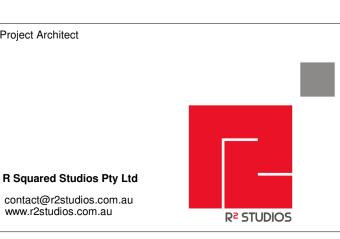
Certificate No. 0009167644-02 Assessor name Danielle Grumont Avenue,FRESHWATER NSW,2096 hstar.com.au/QR/Generate?p=KsaEMySxs

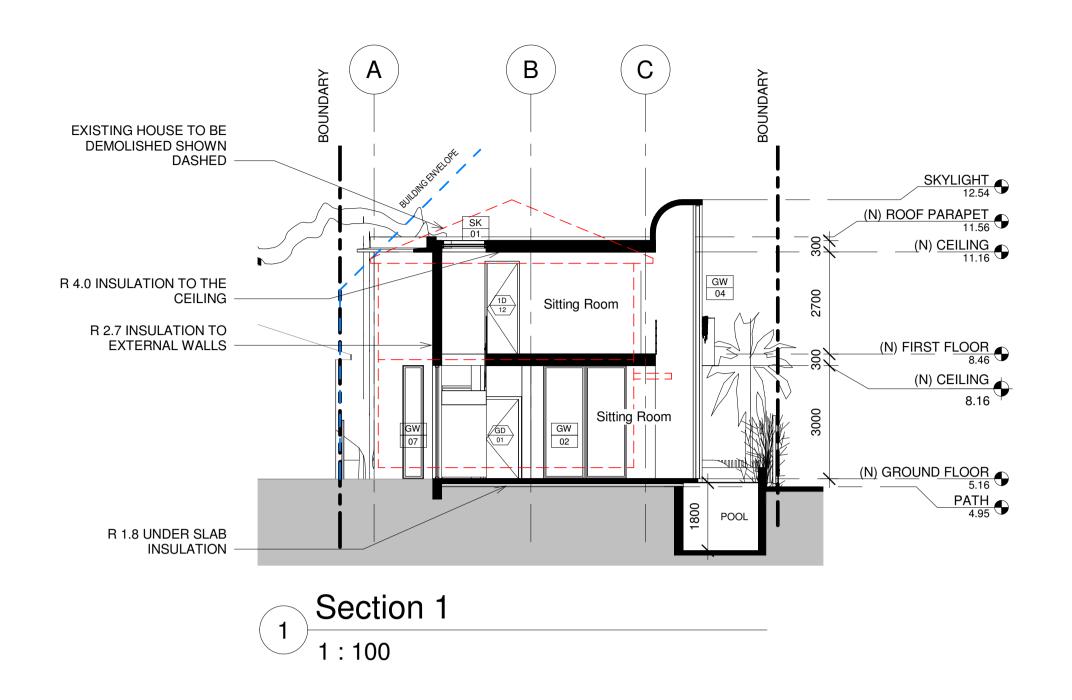
CLIENT JUDY HSU & CHRIS HUDSON

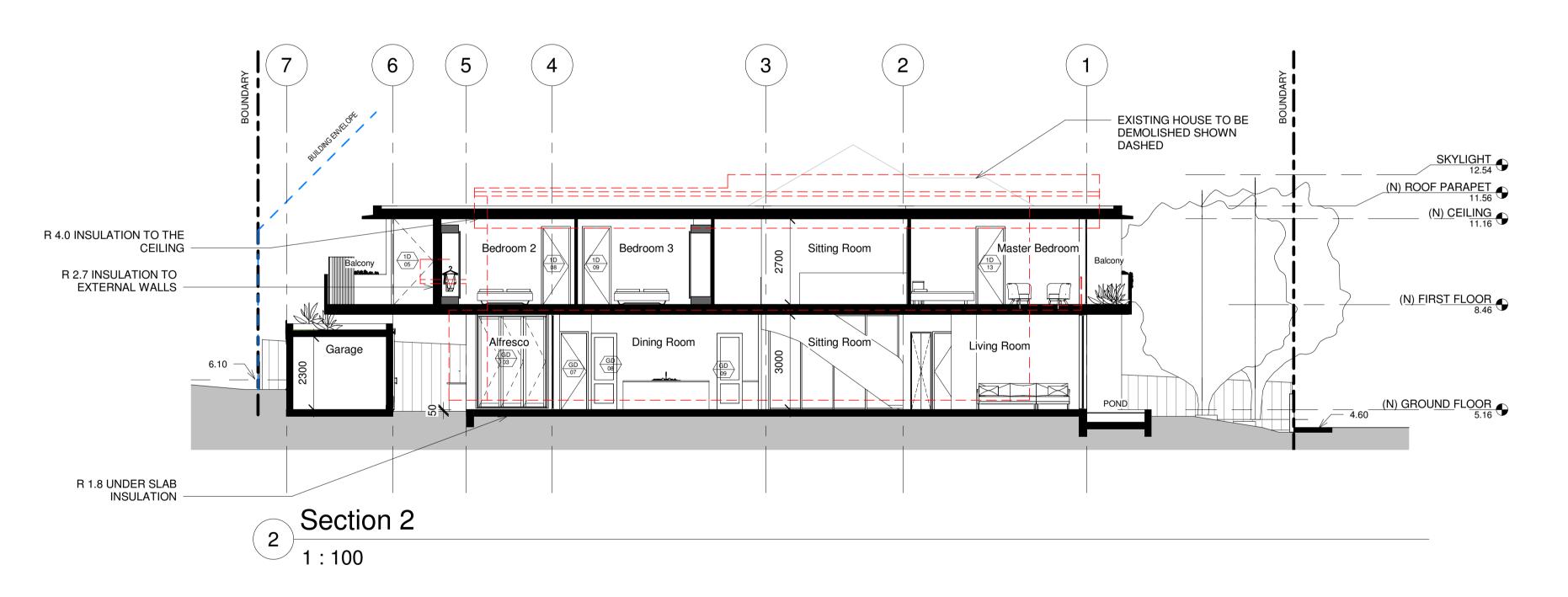
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LANDSCAPE CONSULTANT	ENERGY CONSULTANT						
TCGD	GREEN FUTURE GROUP						

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Project FRESHWATER HOUSE	
31 Kooloora Avenue, Freshwater	
Drawing Title	
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CLIENT JUDY HSU & CHRIS HUDSON

DESIGN ARCHITECT	SURVEYOR	Rev	Date	Description	Drawn	Auth.	LEGEND
		P1	9.11.2023	ISSUE FOR COORDINATION	TI	RR	LEGEND
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LANDSCAPE CONSULTANT	ENERGY CONSULTANT						
TCGD	GREEN FUTURE GROUP						

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Floors	Concrete slab on ground with R1.8 underslab insulation (insulation only value
	Concrete to First Floor (between levels) with R2.0 insulation (insulation only value) to any suspended floor with open subfloor
	Floor coverings: Tiles to Ground Floor and the wet areas of First Floor, carpet to upstairs bedrooms, timber elsewhere upstairs
Ceiling fans	Three Ceiling Fans: one to Upper Sitting Room, one to Dining Room, and one to either the GF Sitting Room or Living Room
External Shading	Covered Alfresco and Balconies. Shading screens to Ensuite 1 and Study windows. Eaves as shown on drawings
	BASIX Water Commitments
Fixtures	Install showerheads minimum rating of 4 stars (>6.0 and <= 7.5 Litres/min)
	Install toilet flushing system with a minimum rating of 4 stars in each toilet
	Install tap with minimum rating of 4 stars in the kitchen
	Install taps with minimum rating of 4 stars in each bathroom
Alternative Water	Install rainwater tank with minimum 10,000L capacity, connected to – At least one outdoor tap and toilets, and used to top up spa
	and pool
	Rainwater harvest collected from a min. 215m ² roof area
Pool and Spa	Volume of Pool: 74kL, Volume of Spa: 6kL. Both Pool and Spa are to have a cover.
	BASIX Energy Commitments
Hot water System	Gas Instantaneous with minimum performance of 6 Stars
Cooling system	3 phase air conditioning to living areas and bedrooms: EER 3.0-3.5
Heating system	3 phase air conditioning to living areas and bedrooms: EER 3.0-3.5
Ventilation	Kitchen - Individual fan, externally ducted to roof or façade, manual on/off switch
	Bathrooms - Individual fan, externally ducted to roof or façade, manual on/off switch
	Laundry - Individual fan, externally ducted to roof or façade, manual on/off switch
Pool and Spa	Pool Heating System: solar (electric boosted), controlled by timer, dual speed pool pump with minimum performance of 6 Stars.
	Spa Heating System: solar (electric boosted), controlled by timer
Alternative Energy	Minimum 5.5kW of solar/PV, with panels sloped between >0° to <=10°, and facing North West
	AND THE REPORT OF THE PROPERTY.
Other	Gas cooktop & electric oven

RESHWATER HOUSE 1 Kooloora Avenue, Freshwater awing Title (N) SECTIONS Drawing No.

AR.DA. 3100

Revision

Hsu & Hudson A

Notes

Group A – bifold and casement doors:

Skylights Double glazed with timber or aluminium frame Roof Concrete roof with waterproof membrane

No insulation required to Garage walls

Internal walls Plasterboard on studs

Group B – sliding doors/windows + fixed glazing:

Colour: Light (0.475>SA)

Ceiling Plasterboard ceiling with R4.0 insulation (insulation only value) where roof above No insulation required to Garage ceiling Ground Floor ceiling is concrete between levels

Ceiling penetrations Sealed LED downlights to Ground Floor, modelled; One per 3m²

External Walls Concrete with R2.7 insulation (insulation only value)

Default Medium colour modelled (0.475<SA<0.7)

NatHERS & BASIX Assessment

Doors/windows are maximum U-values, and there is a flexibility of +/- 10% (as stated below) with the SHGC value.

PVC-005-01: U-Value: 2.60 (equal to or lower than) SHGC: 0.50 (±10%)

PVC-006-01: U-Value: 2.60 (equal to or lower than) SHGC: 0.53 (±10%)

Given values are AFRC, total window system values (glass and frame)

Thermal Comfort Specifications

Glazing: 'Default' codes modelled which are not brand specific. You can use any brand/manufacturer and type of glass and frame; these

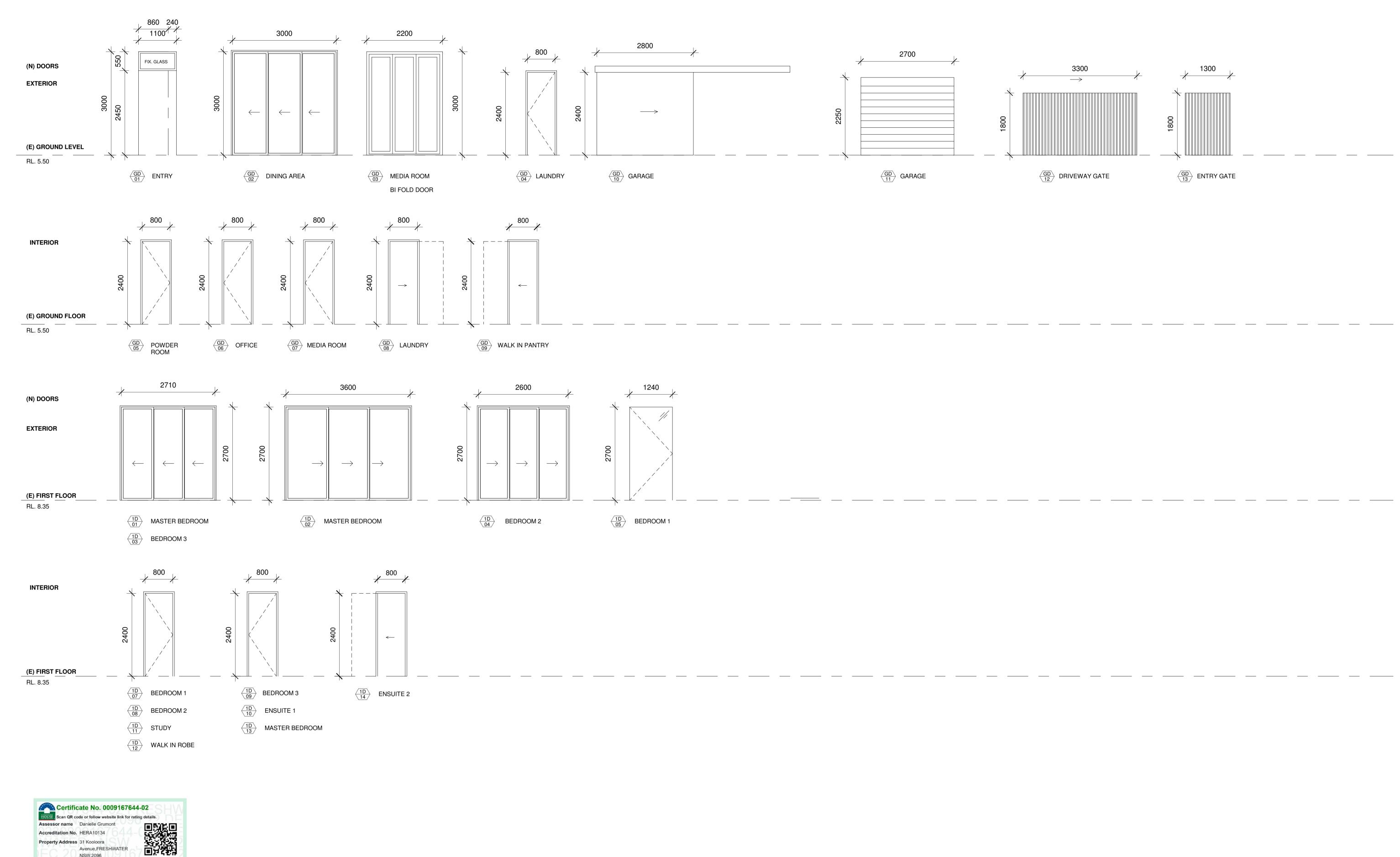
Note: tested also with single skin masonry which performs 0.1 Stars better. Have applied worst case scenario with plasterboard

Project Architect



Date

22/12/2023





CLIENT R SQUARED STUDIOS DONOVAN ASSOCIATES JUDY HSU & STRUCTURAL & HYDRAULIC **PLANNER** CHRIS HUDSON VMDC PLANNING LANDSCAPE CONSULTANT ENERGY CONSULTANT

DESIGN ARCHITECT

GREEN FUTURE GROUP

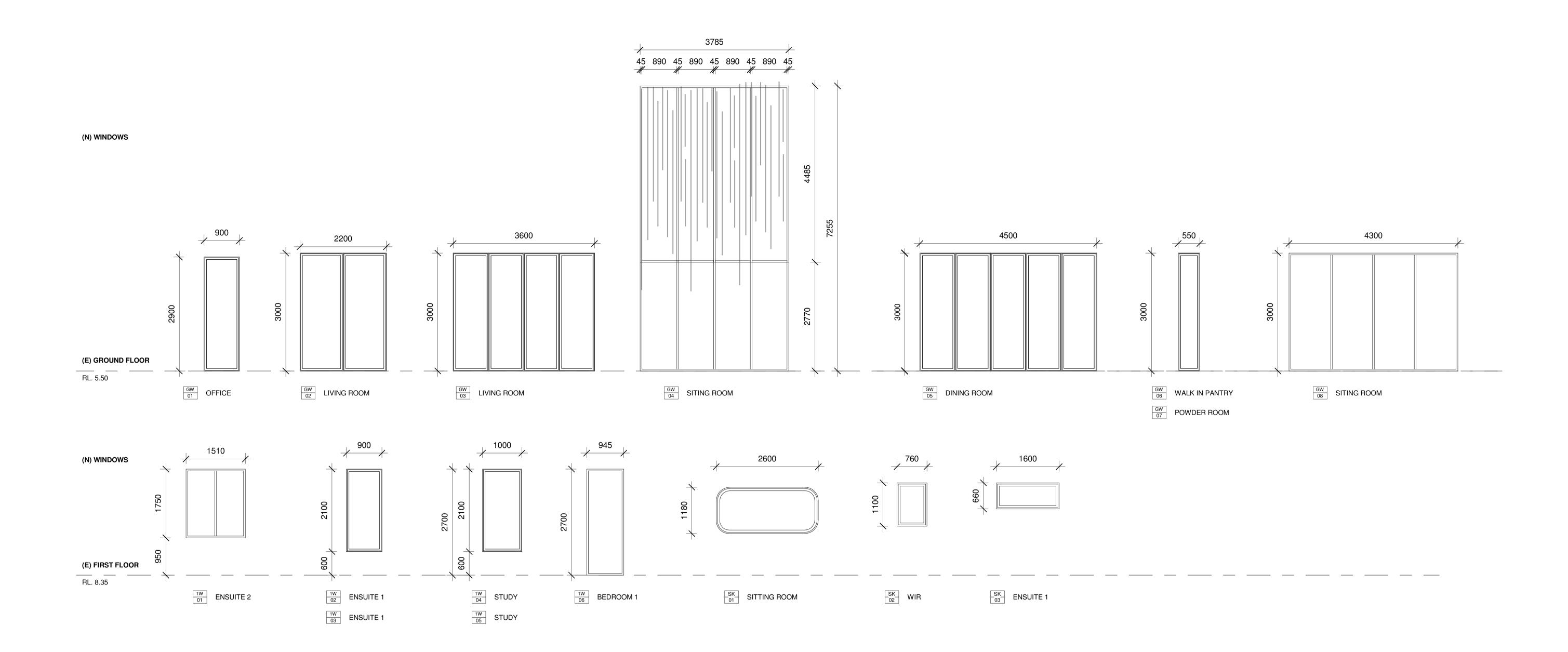
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ENERGY CONSULTANT						
GREEN FUTURE GROUP						

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Project FRESHWATER HOUSE		Project Architect
31 Kooloora Avenue, Freshwater		
Drawing Title DOOR SCHEDULE		-
Drawing No.	Revision	R Squared Studio
-	110121011	

AR.DA. 3200

contact@r2studios.com.au www.r2studios.com.au R² STUDIOS





CLIENT JUDY HSU & CHRIS HUDSON

DESIGN ARCHITECT	SURVEYOR
R SQUARED STUDIOS	DONOVAN ASSOCIATES
PLANNER	STRUCTURAL & HYDRAULIC ENGINE
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Project FRESHWATER HOUSE	Project Architect
31 Kooloora Avenue, Freshwater	
Drawing Title WINDOW SCHEDULE	

Drawing No.

AR.DA. 3201

contact@r2studios.com.au www.r2studios.com.au















1. ROOF

2. ROOF TRIM

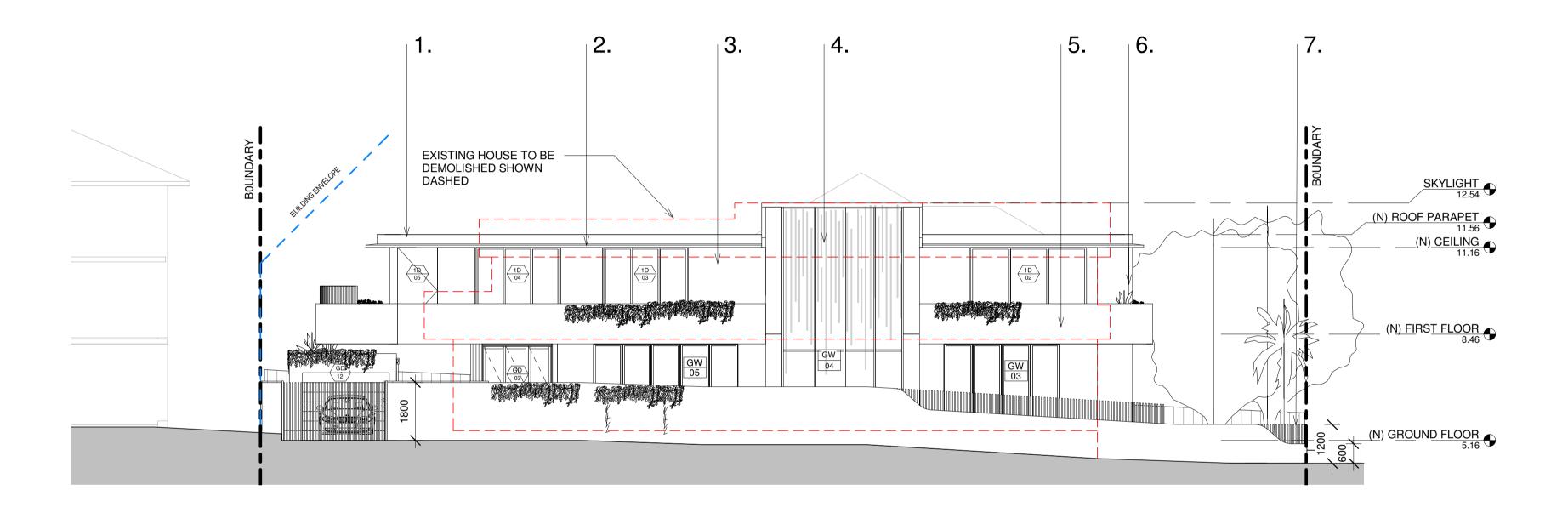
3. WALLS

4. WINDOWS

5. BALCONY

6. BLADE WALL

7. FENCE



External Finishes

CLIENT
JUDY HSU &
CHRIS HUDSON

DESIGN ARCHITECT
R SQUARED STUDIOS
DONOVAN ASSOCIATES
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LANDSCAPE CONSULTANT
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FRESHWATER HOUSE	
31 Kooloora Avenue, Freshwater	
Drawing Title	
EXTERNAL FINISHES	

Drawing No.

AR.DA. 4000

