DEVELOPMENT APPLICATION

BOOMERANG DRIVE GARAGE & SECONDARY DWELLING

WORIMI COUNTRY | 54 BOOMERANG DRIVE, BOOMERANG BEACH NSW 2428 LOT 54 | DP248650

DRAWING No.	DESCRIPTION	SCALE
DA1.1	COVER SHEET	1:2000
DA1.2	SITE / ROOF PLAN	1:200
DA1.3	LANDSCAPE PLAN	1:200
DA1.4	SHADOW DIAGRAMS	1:200
DA1.5	CUT & FILL DIAGRAMS	1:100
DA1.6	BASIX CERTIFICATE	
DA1.7	BASIX CERTIFICATE	
DA1.8	EXTERNAL FINISHES	
DA2.1	GARAGE PLAN	1:100
DA2.2	LOWER FLOOR PLAN	1:100
DA2.3	UPPER FLOOR PLAN	1:100
DA3.1	ELEVATIONS	1:100
DA4.1	SECTIONS	1:100

PROJECT AREAS	
AREA	SQM
1: LOWER FLOOR	25.29
2: UPPER FLOOR	33.83
3: DECK	10.62
4: GARAGE	29.22
5: SITE	970.48

MIDCOAST COUNCIL DCP 2014 REQUIREMENTS **BOOMERANG BEACH, NSW ZONE: R2 LOW DENSITY RESIDENTIAL**

CONTROL	REQUIREMENT	PROPOSED	COMPLY
SITE AREA		970.60m ²	N/A
FLOOR AREA	60m ²	59.12m ²	Υ
BUILDING HEIGHT	8.5m	5.34m	Υ
FRONT SETBACK	Garage - 6m Secondary Dwelling - 4.5m	0.92m to Garage Wall 3m to Sec. Dwelling	N refer SOEE N refer SOEE
SIDE SETBACK	A minimum of 900mm for a building with a maximum wall height of 3.8m If building height is greater than 3.8m: 900mm + (building height over 3.8m/4)	1.48m at closest point	Y
REAR SETBACK	A minimum of 3m for a building with a maximum wall height of 3.8m If building height is greater than 3.8m: 900mm + (building height over 3.8m/4)	24.27m at closest point	Υ
CAR PARKING	2 car spaces / dwelling GFA > 125m2 Garage setback 500mm from front building line Garage door <50% of overall building width	2	Y Y Y



3D VIEW LOOKING SOUTH-EAST



project partners

SGDN | design PATRICKSUGDEN

0413 416 904

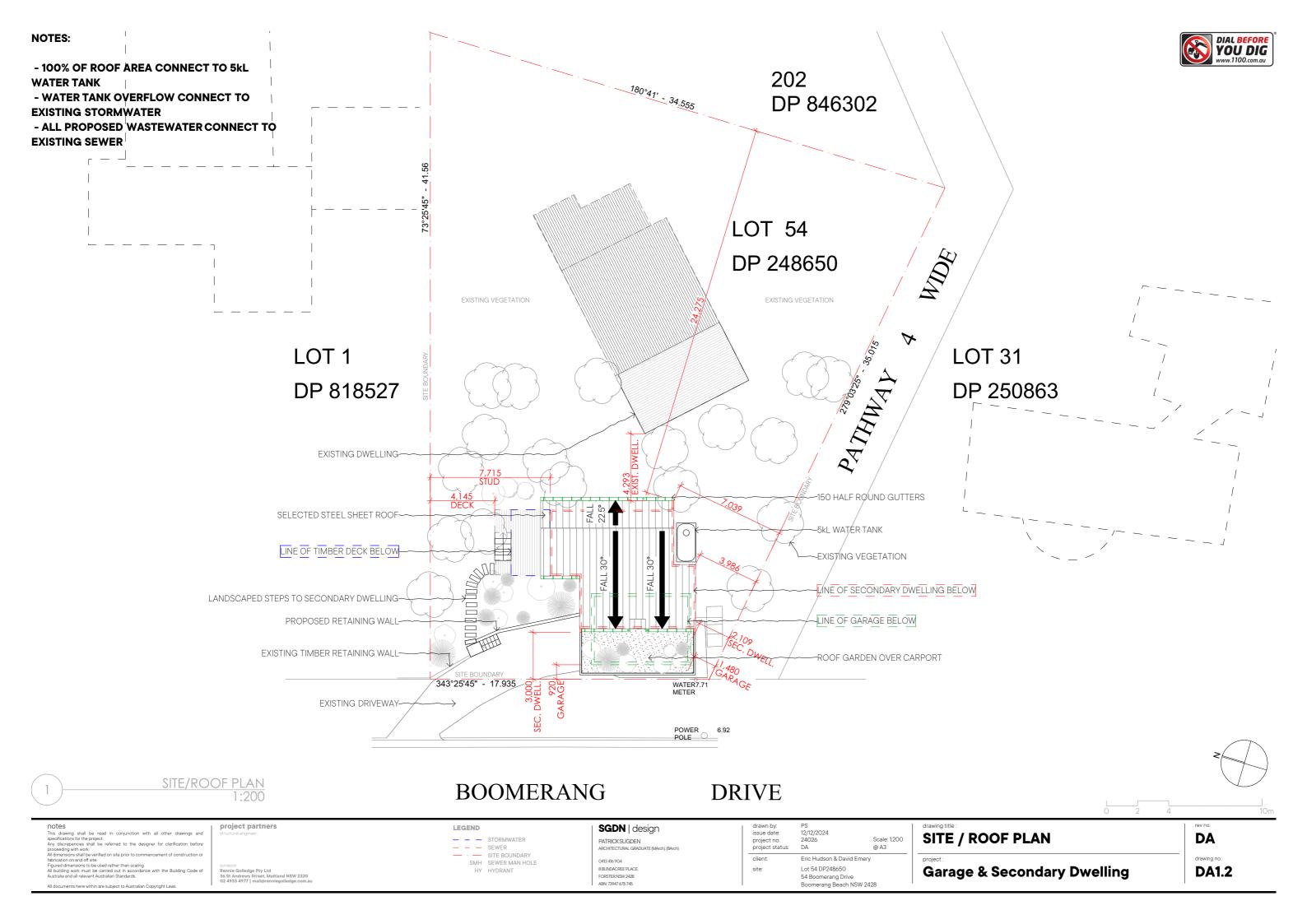
Eric Hudson & David Emery Lot 54 DP248650

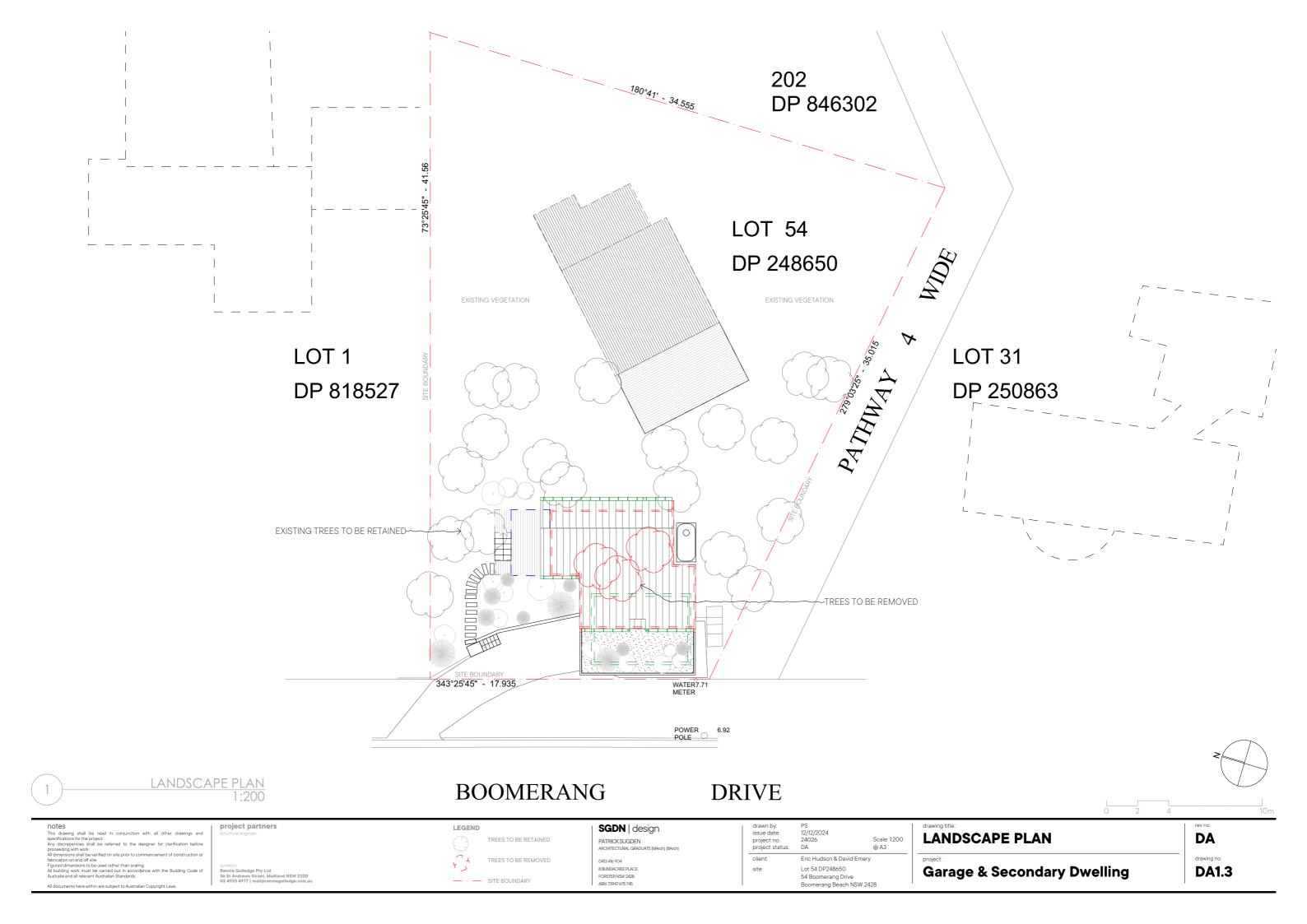
54 Boomerang Drive Boomerang Beach NSW 2428

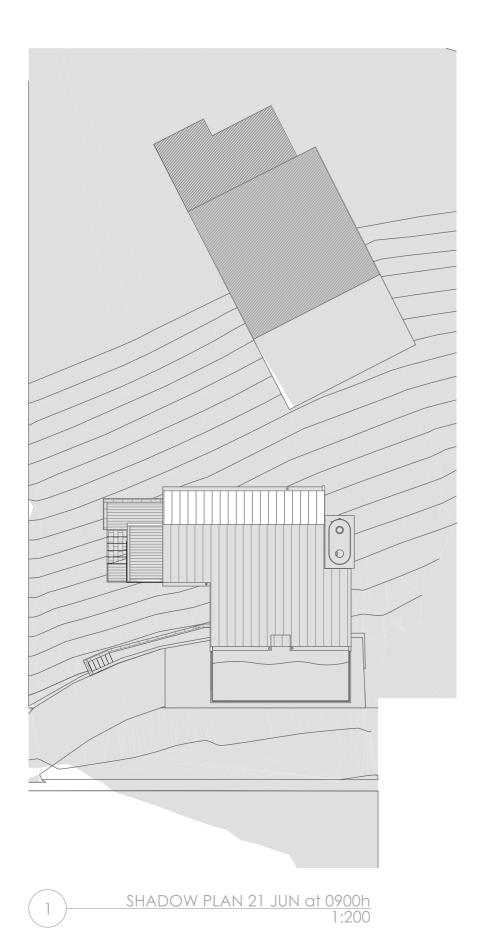
COVER SHEET

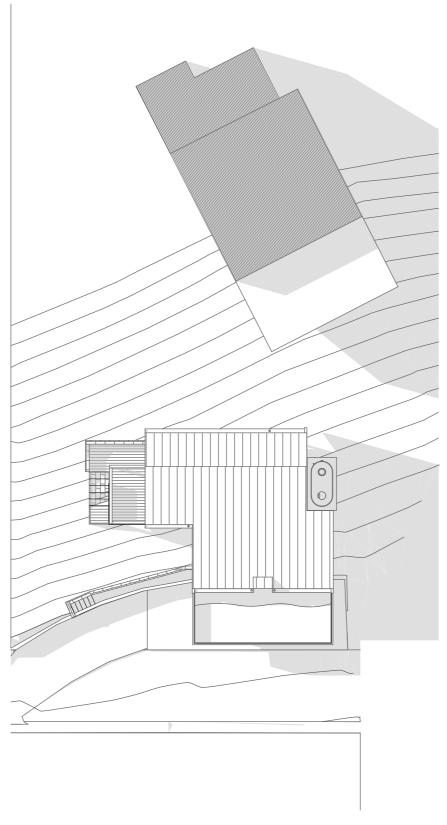
DA

Garage & Secondary Dwelling









2 SHADOW PLAN 21 JUN at 1200h 1:200 SHADOW PLAN 21 JUN at 1500h 1:200



notes

NOTES

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Figured dimensions to be used rather than scaling.

All building work must be carried out in accordance with the Building Code of

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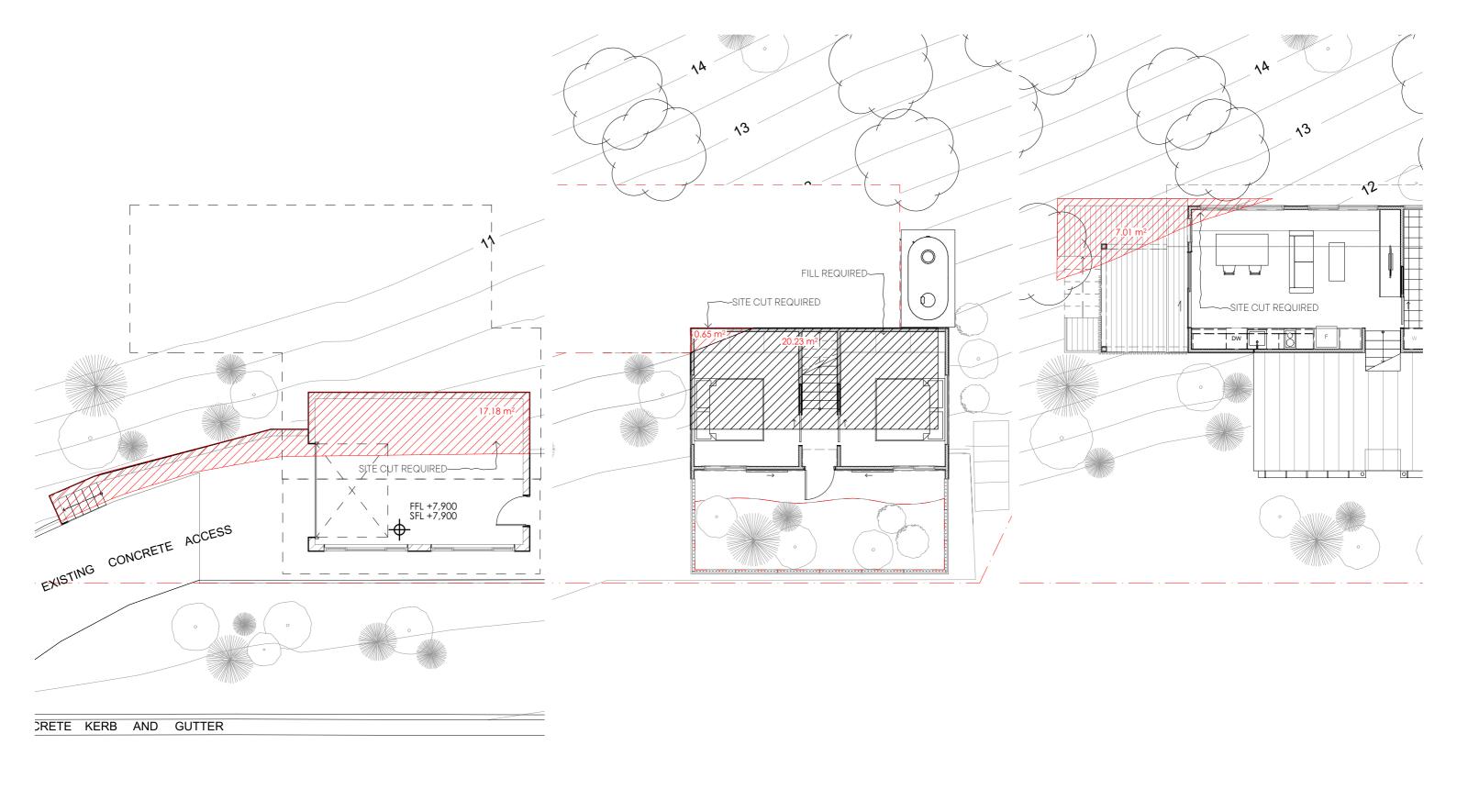
SGDN | design

PATRICKSUGDEN
ARCHTECTURAL GADUATE (MARC

0413 416 904 8 BUNDACREE PLACE FORSTER NSW 2428 ABN: 73947 675 745 SHADOW DIAGRAMS

Garage & Secondary Dwelling

DA





2 LOWER FLOOR CUT & FILL DIAGRAM 1:100



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ordance with the Building Code of Rennie Golledge Pty Ltd s. 3.6 St Andrews Street, Maitland NSW 232 02 4933 4977 | mail@enniegolledge.com

project partners
structural engineer:

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OUTS 416 904
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FORSTER NSW 2428

SGDN | design

PATRICK SUGDEN

ARCHITECTURAL GRADUATE (MAYCH) (BAYCH)

O113 416 904

8 BUNDACREE PLACE
FORSTER NSW 2028

ARN 73947 675 745

CUT & FILL DIAGRAMS

project:

Garage & Secondary Dwelling

DA
drawing no.
DA1.5



Single Dwelling

Certificate number: 1777357S

This certificate confirms that the proposed development will meet the NSW government's requirements for sustainability, if it is built in accordance with the commitments set out below. Terms used in this certificate, or in the commitments, have the meaning given by the document entitled "BASIX Definitions" dated 10/09/2020 published by the Department. This document is available at www.basix.nsw.gov.au

Secretary
Date of issue: Thursday, 12 December 2024
To be valid, this certificate must be submitted with a development application or lodged with a complying development certificate application within 3 months of the date of issue.



Description of project

Project address	
Project name	54 Boomerang Drive
Street address	54 BOOMERANG Drive BOOMERANG BEACH 2428
Local Government Area	Mid-Coast Council
Plan type and plan number	Deposited Plan DP248650
Lot no.	54
Section no.	-
Project type	
Project type	dwelling house (detached) - secondary dwelling
No. of bedrooms	2
Site details	
Site area (m²)	970
Roof area (m²)	68
Conditioned floor area (m²)	57.1
Unconditioned floor area (m²)	7.29
Total area of garden and lawn (m²)	25
Roof area of the existing dwelling (m²)	79
Number of bedrooms in the existing dwelling	3

Assessor details and therma	al lo	ads	
Assessor number	n/a		
Certificate number	n/a		
Climate zone	n/a		
Area adjusted cooling load (MJ/ m².year)	n/a		
Area adjusted heating load (MJ/ m².year)	n/a		
Project score			
Water	~	43	Target 40
Thermal Performance	~	Pass	Target Pass
Energy	~	72	Target 67
Materials	~	21	Target n/a

54 Boomerang Drive

Mid-Coast Council

43

✓ Pass

V 72

21

Deposited Plan DP248650

54 BOOMERANG Drive BOOMERANG BEACH

dwelling house (detached) - secondary dwelling

Target 40

Target Pass

Target 67

Target n/a

Project name

Street address

Section no.

Energy

Materials

Project type

No. of bedrooms

Project score

Thermal Performance

Local Government Area

Plan type and plan number

Water Commitments	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
Landscape			
The applicant must plant indigenous or low water use species of vegetation throughout 5 square metres of the site.	~	~	
Fixtures			
The applicant must install showerheads with a minimum rating of 3 star (> 7.5 but <= 9 L/min) in all showers in the development.		~	~
The applicant must install a toilet flushing system with a minimum rating of 3 star in each toilet in the development.		~	~
The applicant must install taps with a minimum rating of 3 star in the kitchen in the development.		~	
The applicant must install basin taps with a minimum rating of 3 star in each bathroom in the development.		~	
Alternative water			
Rainwater tank			
The applicant must install a rainwater tank of at least 5000 litres on the site. This rainwater tank must meet, and be installed in accordance with, the requirements of all applicable regulatory authorities.	~	~	~
The applicant must configure the rainwater tank to collect rain runoff from at least 68 square metres of the roof area of the development (excluding the area of the roof which drains to any stormwater tank or private dam).		~	~
The applicant must connect the rainwater tank to:			
all toilets 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.) 		✓	•

notes	project partners
his drawing shall be read in conjunction with all other drawings and	structural engineer:
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ny discrepancies shall be referred to the designer for clarification before	
roceeding with work.	
Il dimensions shall be verified on site prior to commencement of construction or	
abrication on and off site.	
igured dimensions to be used rather than scaling.	surveyor:
Il building work must be carried out in accordance with the Building Code of	Rennie Golledge Pty Ltd
ustralia and all relevant Australian Standards.	36 St Andrews Street, Maitland NSW 2320

SGDN design	drawn by: issue date:	PS 12/12/2024	
PATRICK SUGDEN ARCHITECTURAL GRADUATE (MArch), (BArch)	project no. project status:	24026 DA	Scale: @ A3
O413 416 9O4	client:	Eric Hudson & David Emer	у
8 BUNDACREE PLACE,	site:	Lot 54 DP248650	
FORSTER NSW 2428		54 Boomerang Drive	
ABN: 73947 675 745		Boomerang Beach NSW 2	428

Thermal Performance and Materials commitments

The dwelling must not contain third level habitable attic room.

The conditioned floor area of the dwelling must not exceed 300 square metres.

The dwelling must not contain open mezzanine area exceeding 25 square metres.

The dwelling must be a Class 1 dwelling according to the National Construction Code, and must not have more than 2 storeys.

The applicant must construct the floor(s), walls, and ceiling/roof of the dwelling in accordance with the specifications listed in the table

The applicant must adopt one of the options listed in the tables below to address thermal bridging in metal framed floor(s), walls and

The applicant must show through receipts that the materials purchased for construction are consistent with the specifications listed in the tables below.

Do-it-yourself Method

Floor, walls and ceiling/roof

drawing title: BASIX CERTIFICATE	
project: Garage & Secondary Dwelling	-

rev no.
DA
drawing no.
DA1.6

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Construction	Area - m²	Additional insulation required	Options to address thermal bridging	Other specifications
floor - concrete slab on ground, conventional slab.	14.52	nil;not specified	nil	
floor - above habitable rooms or mezzanine, treated softwood; frame: timber - H2 treated softwood	33.83	nil;fibreglass batts or roll	nil	
floor - suspended floor above garage, concrete - suspended; frame: no frame.	16.1	nil;none	nil	
garage floor - concrete slab on ground.	29.22	none	nil	
external wall: framed (metal clad); frame: timber - H2 treated softwood.	all external walls	3.00 (or 3.50 including construction);fibreglass batts or roll + reflective foil in the cavity	nil	wall colour: Medium (solar absorptance 0.48-0.7)
external garage wall: concrete block/plasterboard; frame: no frame.	52.6	none	nil	
internal wall: plasterboard; frame: timber - H2 treated softwood.	24.37	fibreglass batts or roll	nil	
ceiling and roof - raked ceiling / pitched or skillion roof, framed - metal roof, timber - H2 treated softwood.	68	ceiling: 5.7 (up), roof: foil backed blanket ;ceiling: fibreglass batts or roll; roof: foil backed blanket.	nil	roof colour: medium (solar absorptance 0.48-0.59); 0.5 to ≤ 1.0% of ceiling area uninsulated

Ceiling fans				
The applicant must install at least one ceiling fan in at least one daytime habitable space, such as living room.	>	~	~	
The applicant must install at least one ceiling fan in each bedroom.	~	~	~	
The minimum number and diameter of ceiling fans in a daytime habitable space must be installed in accordance with the ABCB Housing Provisions (Part 13.5.2) of the National Construction Code .	~	~	~	

• If the additional ceiling insulation listed in the table above is greater than R3.0, refer to the ABCB Housing Provisions (Part 13.2.3 (6)) of the National Construction Code.

• In some climate zones, insulation should be installed with due consideration of condensation and associated interaction with adjoining building materials Thermal breaks must be installed in metal framed walls and applicable roofs in accordance with the ABCB Housing Provisions of the National Construction Code.

Thermal Performance and Materials commitments	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
Glazed windows, doors and skylights			
The applicant must install the windows, glazed doors and shading devices described in the table below, in accordance with the specifications listed in the table. Relevant overshadowing specifications must be satisfied for each glazed window and door.	~	~	~
The dwelling may have 1 skylight (<0.7 square metres) which is not listed in the table.	~	~	~
The following requirements must also be satisfied in relation to each window and glazed door:	~	~	~
The applicant must install windows and glazed doors in accordance with the height and width, frame and glazing types listed in the table.	~	~	~
 Each window and glazed door must have a U- value no greater than that listed and a Solar Heat Gain Coefficient (SHGC) within the range listed. Total system U values and SHGC must be calculated in accordance with National Fenestration Rating Council (NFRC) conditions. 		~	~
 Vertical external louvres and blinds must fully shade the glazed window or door beside which they are situated when fully drawn or closed. 	~	~	~
 Overshadowing buildings/vegetation must be of the height and distance from the centre and the base of the window and glazed door, as specified in the 'overshadowing' column. 	~	~	~
The applicant must install the skylights described in the table below, in accordance with the specifications listed in the table. Total skylight area must not exceed 3 square metres (the 3 square metre limit does not include the optional additional skylight of less than 0.7 square metres that does not have to be listed in the table).	~	~	~

Glazed window/door no.	Maximum height (mm)	Maximum width (mm)	Frame and glass specification	Shading device (Dimension within 10%)	Overshadowing			
North facing								
104W	1905.00	2000.00	aluminium, double glazed (U-value: <=3.0, SHGC: 0.40 - 0.49)	none	not overshadowed			
201D	2100.00	2200.00	aluminium, double glazed (U-value: <=3.0, SHGC: 0.49 - 0.60)	awning (adjustable) 2500 mm, 896 mm above base of window or glazed door	not overshadowed			
202W	1600.00	650.00	aluminium, double glazed (U-value: <=3.5, SHGC: 0.40 - 0.49)	eave 600 mm, 1425 mm above head of window or glazed door	2-4 m high, 2-5 m away			
203W	1000.00	1100.00	aluminium, single glazed (U- value: <=3.0, SHGC: 0.40 - 0.49)	awning (adjustable) 2500 mm, 331 mm above base of window or glazed door	2-4 m high, 2-5 m away			
204W	1000.00	650.00	aluminium, single glazed (U-value: <=3.0, SHGC: 0.40 - 0.49)	eave 600 mm, 376 mm above head of window or glazed door	2-4 m high, 2-5 m away			
East facing								
205W	500.00	2400.00	aluminium, double glazed (U-value: <=3.5, SHGC: 0.40 - 0.49)	eave 600 mm, 1580 mm above head of window or glazed door	>4 m high, 2-5 m away			
206W	500.00	2000.00	aluminium, double glazed (U-value: <=3.5, SHGC: 0.40 - 0.49)	eave 600 mm, 1580 mm above head of window or glazed door	>4 m high, 2-5 m away			
207W	600.00	1580.00	aluminium, double glazed (U-value: <=4.0, SHGC: 0.40 - 0.49)	eave 600 mm, 880 mm above head of window or glazed door	>4 m high, 2-5 m away			
South facing								
208W	600.00	850.00	aluminium, double glazed (U-value: <=4.0, SHGC: 0.40 - 0.49)	none	not overshadowed			
101W	1905.00	2000.00	aluminium, double glazed (U-value: <=3.0, SHGC: 0.40 - 0.49)	none	not overshadowed			
West facing								
102W	600.00	1200.00	aluminium, double glazed (U-value: <=4.5, SHGC: 0.40 - 0.49)	external louvre/vertical blind (adjustable)	not overshadowed			
103W	600.00	1200.00	aluminium, double glazed (U-value: <=4.5, SHGC: 0.40 - 0.49)	external louvre/vertical blind (adjustable)	not overshadowed			

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 boosted solar with a performance of 26 to 30 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 - non ducted; Energy rating: 7 star (average zone)		~	~
The bedrooms must not incorporate any cooling system, or any ducting which is designed to accommodate a cooling system.		~	~
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 - non ducted; Energy rating: 7 star (average zone)		~	~
The bedrooms must not incorporate any heating system, or any ducting which is designed to accommodate a heating system.		~	~
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: natural ventilation only, or no laundry; Operation control: n/a		-	~
Artificial lighting			
The applicant must ensure that a minimum of 80% of light fixtures are fitted 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.	~	~	~
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 an induction cooktop & electric oven in the kitchen of the dwelling.			

Commitments identified with a win the "Show on DA plans" column must be shown on the plans accompanying the development application for the proposed development (if a development application is to be lodged for the proposed development).

Commitments identified with a v in the "Show on CC/CDC plans and specs" column must be shown in the plans and specifications accompanying the application for a construction certificate / complying development certificate for the proposed development.

Commitments identified with a \checkmark in the "Certifier check" column must be certified by a certifying authority as having been fulfilled, before a final occupation certificate (either interim or final) for the development may be issued.

NOTES

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project partners

SGDN | design PATRICK SUGDEN
ARCHITECTURAL GRADUATE (MArch), (BArch) 0413 416 904 8 BUNDACREE PLACE, FORSTER NSW 2428 ABN: 73947 675 745

drawn by: issue date: PS 12/12/2024 24026 DA Eric Hudson & David Emery 54 Boomerang Drive Boomerang Beach NSW 2428

BASIX CERTIFICATE

Garage & Secondary Dwelling

DA



3D VIEW LOOKING SOUTH-EAST

project partners

SGDN | design

PATRICKSUGDEN

0413 416 904 FORSTER NSW 2428 ABN: 73947 675 745 drawn by: issue date:

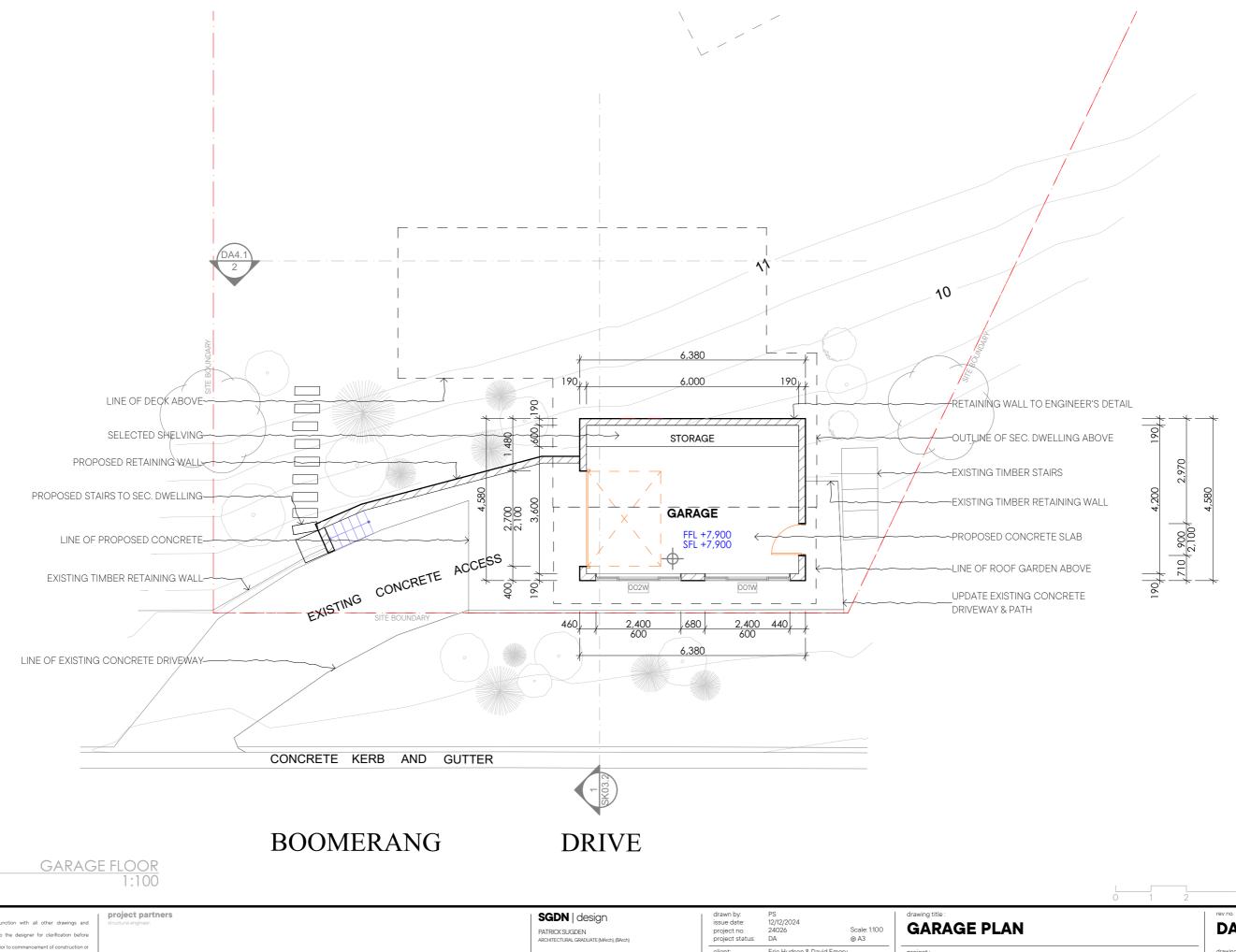
Eric Hudson & David Emery

54 Boomerang Drive Boomerang Beach NSW 2428

EXTERNAL FINISHES

Garage & Secondary Dwelling

DA

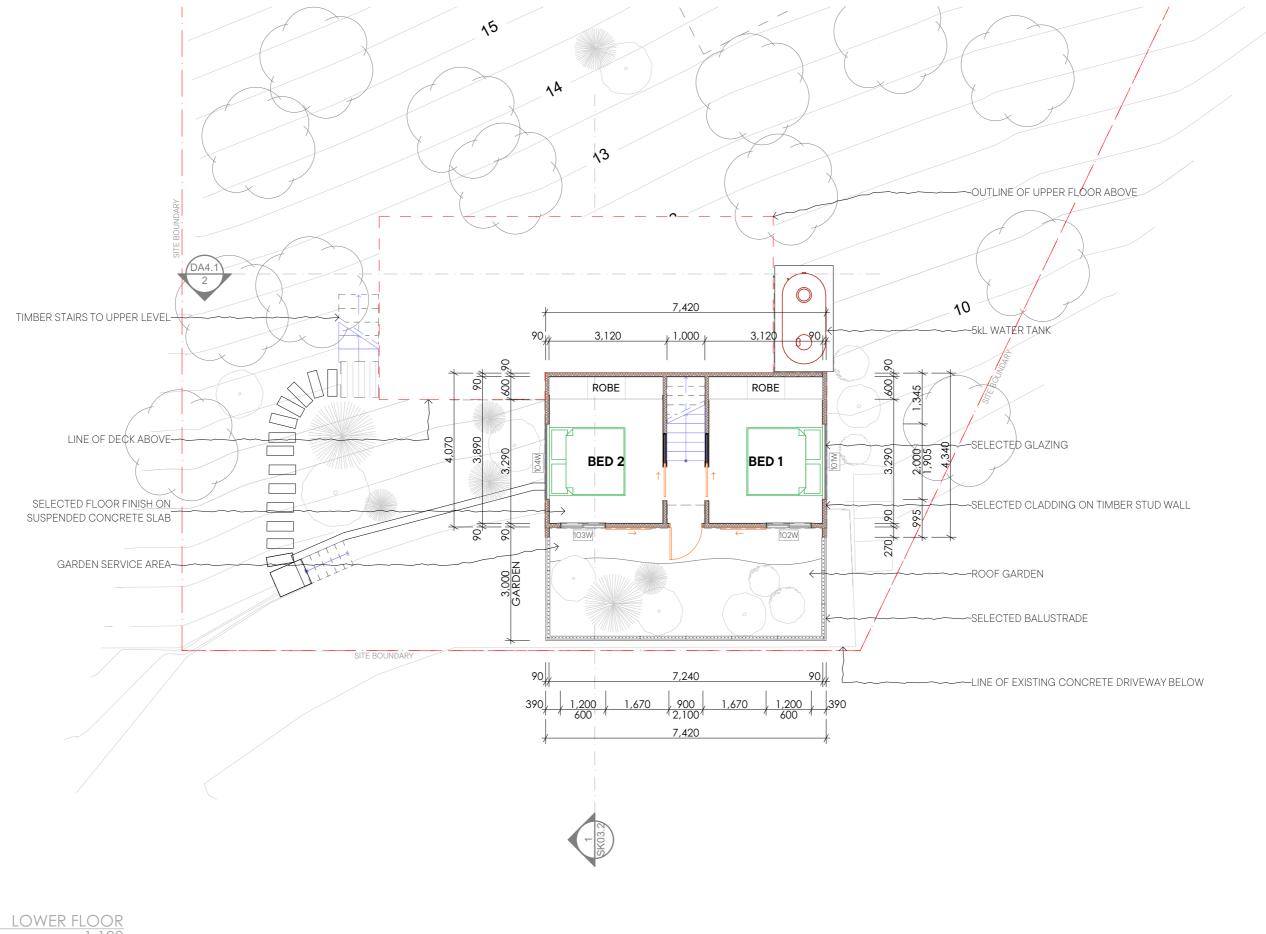


8 BUNDACREE PLACE, FORSTER NSW 2428 ABN: 73947 675 745

Eric Hudson & David Emery 54 Boomerang Drive Boomerang Beach NSW 2428 **Garage & Secondary Dwelling**

DA

DA2.1



1:100

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8 BUNDACREE PLACE,

FORSTER NSW 2428 ABN: 73947 675 745

PATRICK SUGDEN 0413 416 904

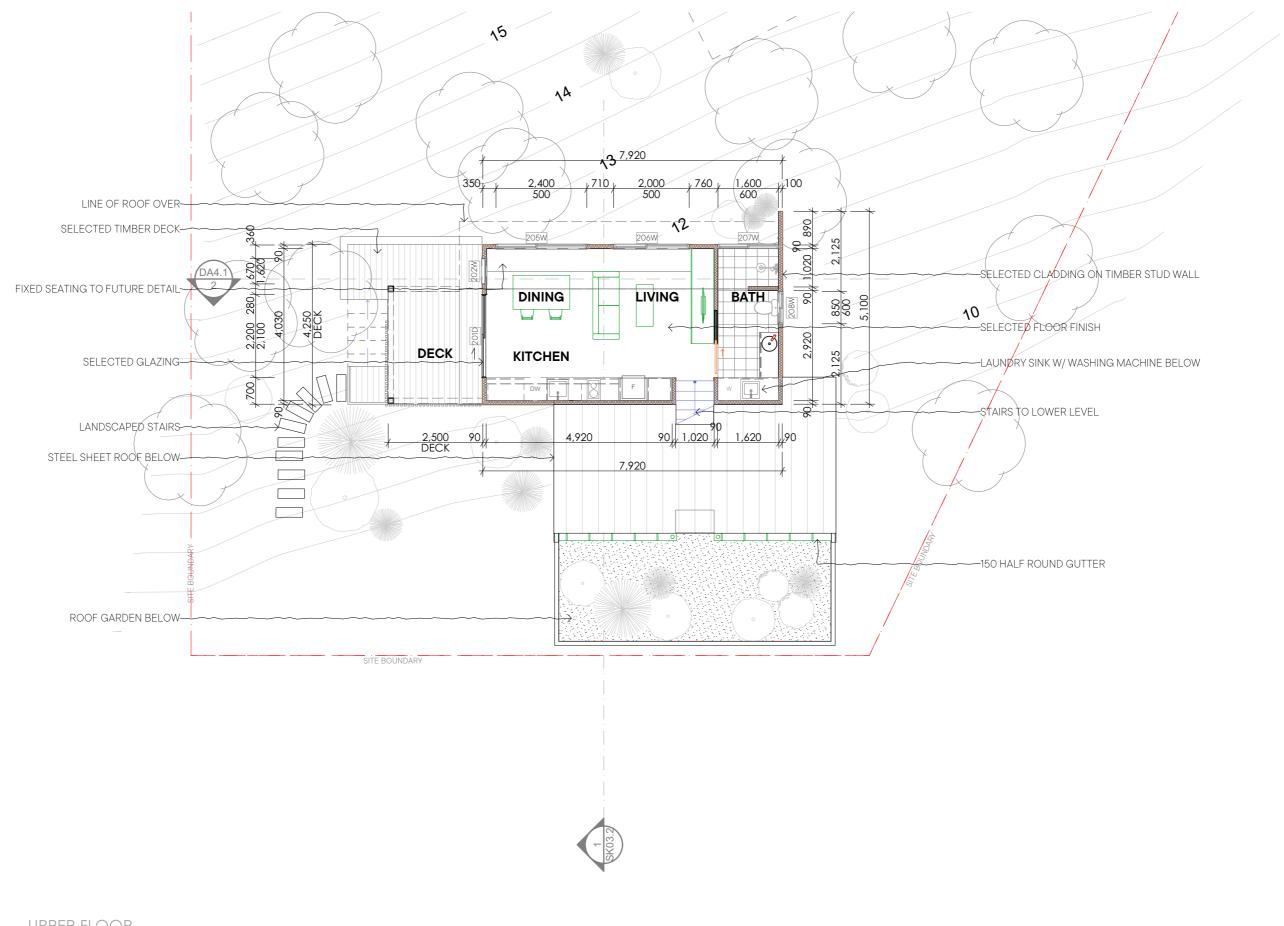
drawn by: issue date: PS 12/12/2024 Scale: 1:100 @ A3 Eric Hudson & David Emery 54 Boomerang Drive Boomerang Beach NSW 2428

LOWER FLOOR PLAN

Garage & Secondary Dwelling

DA

DA2.2



1

UPPER FLOOR 1:100

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surveyor:
Rennie Golledge Pty

project partners
structural engineer.

surveyor: Rennie Golledge Pty Ltd 36 St Andrews Street, Maitland NSW 2320 02 4933 4977 | mail@renniegolledge.com.au

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PATRICK SUGDEN
ARCHITECTURAL GRADUATE (MArch), (BArch)
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UPPER FLOOR PLAN

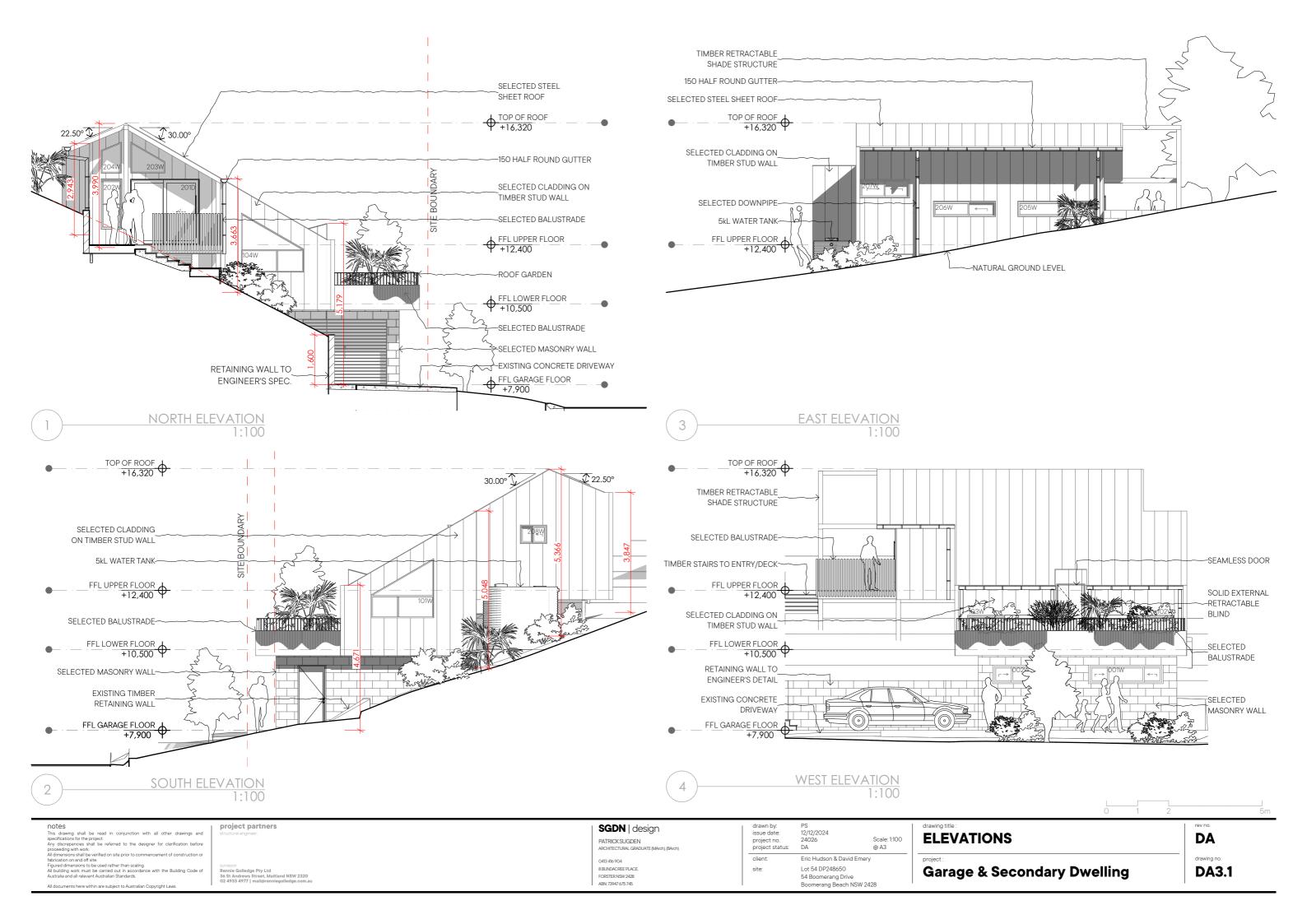
project:

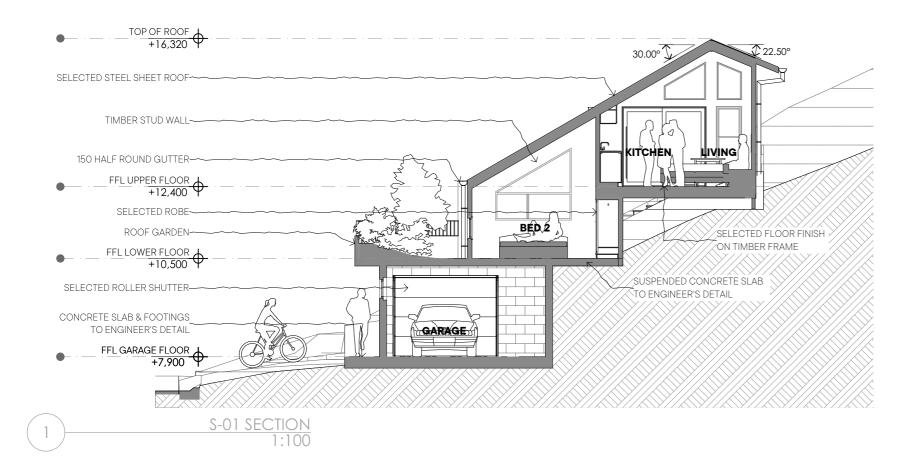
Garage & Secondary Dwelling

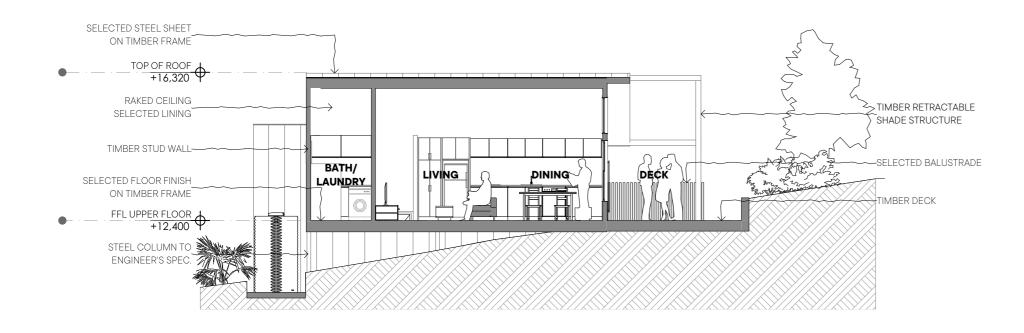
rev no.

drawing no.

DA2.3







S-02 SECTION

1:100

project partners drawn by: issue date: **SGDN** | design PS 12/12/2024 **SECTIONS** DA Scale: 1:100 @ A3 PATRICK SUGDEN ARCHITECTURAL GRADUA Eric Hudson & David Emery 0413 416 904 8 BUNDACREE PLACE, **Garage & Secondary Dwelling DA4.1** 54 Boomerang Drive Boomerang Beach NSW 2428 FORSTER NSW 2428 ABN: 73947 675 745