WRAGGE RESIDENCE PROPOSED ALTERATIONS AND SECONDARY DWELLING ADDITION

102 GRACE AVENUE, FORESTVILLE **NSW** 2087

PLAN OR DOCUMENT CERTIFICATION

I AM A QUALIFIED STRUCTURAL DRAFTSPERSON I HOLD THE FOLLOWING QUALIFICATIONS

BUILDING CERTIFICATE - SYDNEY TAFE MEMBER: BUILDING DESIGNERS ASSOCIATION AUSTRALIA - Accreditation No. 6255

FURTHER I AM APPROPRIATELY QUALIFIED TO CERTIFY THIS COMPONENT OF THE PROJECT. I HEREBY STATE THAT THESE PLANS OR DETAILS COMPLY WITH THE CONDITIONS OF DEVELOPMENT CONSENT OF THE APPROPRIATE LOCAL GOVERNMENT AUTHORITY AND / OR THE RELEVANT AUSTRALIAN BUILDING INDUSTRY STANDARDS.

SALLY GARDNER 15/11/18

NAME

DATE

SIGNATURE

Sally Gardner

19th, November 2018



47 Towradgi Street, Narraweena, NSW, 2099 Australia ABN 17 751 732 195 Accreditation Number 6255 www.designanddraft.com.au

SPECIFICATION:

- "Approval" obtained by either an "Accredited Certifying Authority" or "Local Council".
- The Owner will directly pay all fees associated with the following: building approval from Council or Accredited Certifier, any footpath and kerb deposits with the local council, insurance fees to Building Services Corporation, Long Service Leave Levies and approval fees by water and sewerage authorities. All other fees are to be paid by the Builder.

The amount of any local authority deposits which are forfeited due to damage or other causes, will be deducted from payments due to the Builder.

- The Builder is to provide at his/her own expense, adequate Public Risk Insurance and arrange indemnification under the Workers Compensation Act. Works insurance to be as stated in the contract conditions.
- All tenderers are to visit the site to satisfy themselves as to the nature and extent of the works, facilities available and difficulties entailed in the works, as variations will not be allowed due to work arising owing to neglect of this clause.
- These drawings shall be read in conjunction with all structural and other consultant's drawings and specifications and with any such written instructions as may be issued during the course of the contract.
- Set out dimensions shown on the drawings shall be verified by the Builder on site before commencement of any work. Dimensions shall not be obtained by scaling the drawings. Use only figured dimensions. All dimensions are in millimetres.
- The Builder is to ensure all construction, levels and other items comply with the conditions of the Building Approval.
- Any detailing in addition to what is supplied shall be resolved between the Owner and the Builder, to the Owner's approval, except for any structural details or design which is to be supplied by the Engineer.
- All work to be carried out in a tradesman like manner and in accordance with the standards, codes and regulations of the Standards Association of Australia, National Construction Code of Australia and any Statutory Authority having jurisdiction over the works.
- All structural work is to be in accordance with the structural details prepared by a suitably qualified Structural Engineer.
 Including but not limited to, all piers, footings, concrete slabs, retaining walls, steelwork, formwork, underpinning, additional structural loads, timber framing, wind bracing and associated connections. Builder to obtain prior to finalising tender, unless previously obtained by owners.
- All brickwork is to be selected by owners and is to comply with AS 1640. All masonry is to comply with AS 3700.
- -Provide all metalwork and flashings necessary to satisfactorily complete the works.
- All timber construction to be in accordance with AS 1684 "Timber Framing Code".
- All glazing installed is to comply with AS 1288, AS 2047 and in accordance with manufacturer's recommendations.

- All wall and ceiling linings to be plasterboard or cement render as selected and villaboard or equal in wet areas. Workmanship is to comply with the relevant Australian Standards or installed in accordance with manufacturer's specifications.
- All bathrooms and wet areas to be adequately waterproofed to manufacturer's specification and in accordance with AS 3740 and Part 3.8.1 of the National Construction Code Volume 2, provisions for Class 1 and Class 10 buildings.
- All architraves and skirtings to be to owner's selection or provide standard colonial mouldings or to match existing. Paint or stain finish as selected.
- All plumbing and drainage works to be installed and completed by a licenced tradesperson and in accordance with the statutory body having authority over the works. Connect all waste to Sydney Water sewer line.
- Connect all stormwater to existing system or street drainage system in accordance with AS 3500 and part 3.1.2 Drainage, of the National Construction Code - Volume 2, provisions for Class 1 and Class 10 buildings.
- Smoke detector alarms to be installed in accordance with AS3786 and part 3.7.2 of the National Construction Code Volume 2, provisions for Class 1 and Class 10 buildings
- Termite protection measures to comply with AS3660 and be installed to manufacturer's specification.
- Stairs and Balustrades to comply with part 3.9.1 & 3.9.2 of the National Construction Code Volume 2, provisions for Class 1 and Class 10 buildings.
- Electrical works to be in accordance with SAA wiring rules and be done by a licensed tradesman. Obtain electrical layout prior to proceeding. All electrical power (GPO) and light outlets to be determined by owner.
- Any work indicated on the plans but not specified and any item not shown on the plans which is obviously necessary as part of proper construction and/or finish, is to be considered as shown and specified and is to be undertaken at the Builder's expense.
- Variations will not be permitted without prior written approval by the owners.
- The Builder shall provide sediment and siltration control measures as required by Council and maintain them throughout the duration of the works.
- A legible copy of the plans bearing approval stamps, must be maintained on the job site at all times. Hours of construction shall be restricted to the times as required by the building approval.
- The Builder is to arrange for all inspections required by the relevant authorities and/or lending institutions, to their requirements.
- The Builder is to obtain approval for interruptions to existing services and minimise the duration and number of interruptions. Any interruptions to existing services and equipment is to be undertaken by appropriately qualified tradespersons.
- The Builder shall restore, reinstate or replace any damage to existing structures or landscaping caused by the construction works or workmen.
- Provide protection to existing trees to remain, or as required by the Approval Conditions.

DRAWING SCHEDULE

Title Sheet

- N1. Specification & Drawing List
- N2. Schedules & Basix Notes Residence
- N3. Schedules & Basix Notes Secondary Dwelling
- E1. Existing Ground Floor Plan
- E2. Existing Lower Floor Plan
- A1. Roof Plan
- A2. Proposed Upper Floor Plan
- A3. Proposed Lower Floor Plan
- A4. North East Elevation
- A5. North West Elevation
- A6. South West Elevation
- A7. South East Elevation
- A8. Sections A-A & C-C
- A9. Section B-B
- A10. Swimming Pool Details
- S1. Site Analysis Plan
- 52. Site Plan and Calculations
- S3. Sediment Control & Site Management Plan
- S4. Shadow Diagram at 9am
- S5. Shadow Diagram at 12 noon
- S6. Shadow Diagram at 3pm

Specification

WINDOW SCHEDULE - RESIDENCE

NO.	HEIGHT	WIDTH	LOCATION	FRAME / GLAZING STYLE	U value : SHGC	Additional Basix Requirements
W7	1.200	3.110	Kitchen 1	Powder Coated Aluminium framed Bi-fold window with clear glazing	6.44 : 0.75	
W8	2.100	1.070	Kitchen 1	Powder Coated Aluminium framed Hinged door with clear glazing	6.44 : 0.75	
W9	2.100	1.350	Stairs 1	Powder Coated Aluminium framed Fixed window with clear glazing	6.44 : 0.75	
W10	2.100	2.620	Dining	Powder Coated Aluminium framed Glazed French doors with clear sidelights	6.44 : 0.75	
W11	0.600	2.550	Dining	Powder Coated Aluminium framed Fixed / Sliding window with clear glazing	6.44 : 0.75	
W12	2.100	3.130	Living 1	Powder Coated Aluminium framed Stacking Sliding doors with clear glazing	6.44 : 0.75	
W13	2.100	0.870	Powder / Laundry	Powder Coated Aluminium framed Hinged door with clear glazing	6.44 : 0.75	Requires adjustabe Awning >900mm
W14	1.100	0.340	Powder / Laundry	Powder Coated Aluminium framed Louvred window with clear glazing	6.44 : 0.75	
W15	2.100	1.330	Study	Powder Coated Aluminium framed Fixed / Sliding window with clear glazing	6.44 : 0.75	Requires adjustabe Awning >900mm

All sizes listed include the frame and are nominal sizes for BASIX Certification.

All glazing assemblies will comply with AS2047 and AS1288

All external glazing is to have a maximum reflectivity index of 25%.

DOOR & WINDOW NOTE:

All Doors and Windows to be keyed alike with deadlocks to all sashes & doors. Provide weather strips and door seals around openings to prevent drafts. All new bedroom windows, where the floor level of the room is 2.0m or more above outside finished ground level, must be supplied with either permanently fixed robust mesh screens or permanent window locks which prevent the window from opening more than 125mm, if the lowest openable portion of the window is within 1.7m of the floor, in accordance with NCC requirements, for child safety.

Wind loading compliance to all new windows and glazed doors to be confirmed by the Engineer prior to ordering and installation.

BASIX INSULATION SCHEDULE

Construction	Additional insulation required (R-value)
concrete slab on ground floor.	nil
external wall: cavitiy brick	nil
external wall: brick veneer (R0.54)	R1.16 (or R1.70 including construction)

BASIA INSULATION SCHEDULE

LIGHTING : Basix requirements

sinks.

BASIX NOTES

A minimum of 40% of new or altered light fixtures must be fitted with flourescent, compact flourescent or light-emitting diode (LED) lamps.

TAPS: Must have a flow rate no greater than 9 litres

TOILETS: Must have a flow rate no greater than 4

litres per average flush or a minimum 3 star water

SHOWER HEADS: Must have a flow rate no greater than 9 litres per minute or a 3 star water rating.

Install aerators on bathroom hand basins & kitchen

per minute or a minimum 3 star water rating.

COLOUR / MATERIAL SCHEDULE

ROOF

Custom-Orb Sheeting

Colour classification in accordance with NSW Basix (Dark - solar absorbance > 0.70) "Wallaby" - Colorbond roof sheeting.



ROOF GABLE FACING

Timber Weatherboard Cladding

"Natural White" - Dulux external wall colour.



Cement Render finish

"Bogart" - Dulux external wall colour.



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Grace + Stan
WRAGG

roject	Proposed Alterations + Secondary Dwelling Addition
	102 Grace Avenue, Forestville, N.S.W. 2087
orawing Title	Schedules & BASIX Commitments - Residence

Scale N.T.S.	@sheet size A3	Job Number	
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Date		N2	_

BASIX REQUIREMENTS

The applicant must plant indigenous or low water use species of vegetation throughout 2.0 square metres of the site.

Fixtures:

Kitchen Taps: Must have a minimum 3 star water rating. Bathroom Taps: Must have a minimum 3 star water rating.

Toilets: Must have a minimum 4 star water rating.

Showerheads: Must have a minimum 3 star rating (>4.5 but <=6 L/m). Install aerators on bathroom hand basins & kitchen sinks.

Hot Water:

The owner is required to install a : gas instantaneous hot water system with a performance of 4.5 stars 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: Ceiling Fans + 1-phase airconditioning; Energy rating: 4.5 Star (new rating)

The applicant must install the following cooling system, or a system with a higher energy rating, in at least 1 bedroom: Ceiling Fans

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; Energy rating: 4.5 Star.

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 not ducted: manual switch On/off. Kitchen: Individual fan: ducted to facade: manual switch On/off.

Laundry: Natural ventilation only.

Artificial Lighting

The applicant must ensure that the "primary type of artificial lighting" is fluorescent or light emitting diode (LED) lighting in each of the following rooms, and where the word "dedicated" appears, the fittings for those lights must only be capable of accepting fluorescent or light emitting diode (LED) lamps:

- at least 2 of the bedrooms / study;
- · at least 1 of the living / dining rooms;
- the kitchen;
- all bathrooms/toilets;
- the laundry;
- · all hallways;

Natural lighting

The applicant must install a window and/or skylight in 1 bathrooms, toilets 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 construct each refrigerator space in the development so that it is "well ventilated", as defined in Basix

The applicant must install a fixed outdoor clothes drying line as part of the development.

WINDOW SCHEDULE - SECONDARY DWELLING

NO.	HEIGHT	WIDTH	LOCATION	FRAME / GLAZING STYLE	U value : SHGC	Additional Basix Requirements
W1	1.200	3.000	Bed 1	Powder Coated Aluminium framed Fixed / Sliding window with clear glazing	4.5 : 0.50	Nil
W2	0.900	0.750	Bath	Powder Coated Aluminium framed Louvred window with clear glazing	4.5 : 0.50	Nil
W3	1.200	2.500	Bed 2	Powder Coated Aluminium framed Fixed / Sliding window with clear glazing	4.5 : 0.50	Nil
W4	0.900	0.750	Stairs	Powder Coated Aluminium framed Louvred window with clear glazing	4.5 : 0.50	Nil
W5	2.100	3.850	Living	Powder Coated Aluminium framed Stacking Sliding doors with clear glazing	4.5 : 0.50	Nil
W6	0.900	2.250	Living	Powder Coated Aluminium framed Fixed / Sliding window with clear glazing	4.5 : 0.50	Nil

THERMAL COMFORT INSULATION SCHEDULE

Construction	Additional insulation required (R-value)
External wall (EW1) - Brick Veneer	no insulation required
External wall (EW2) - Extruded Poly Cavity Panel Direct Fix	no insulation required
External wall (EW3) - Brick Veneer	Bulk insulation R1.5
Internal wall (IW1) - Cavity Brick, plasterboard	no insulation required
Internal wall (IW2) - Cavity wall, direct fix plasterboard, single gap	no insulation required
Internal wall (IW3) - Brick, plasterboard	no insulation required
External floor — Concrete slab on ground Internal floor — Timber above plasterboard 19mm	no insulation required no insulation required
External ceiling — Framed, plasterboard Internal ceiling — Timber above plasterboard	Bulk insulation R2.5 no insulation required

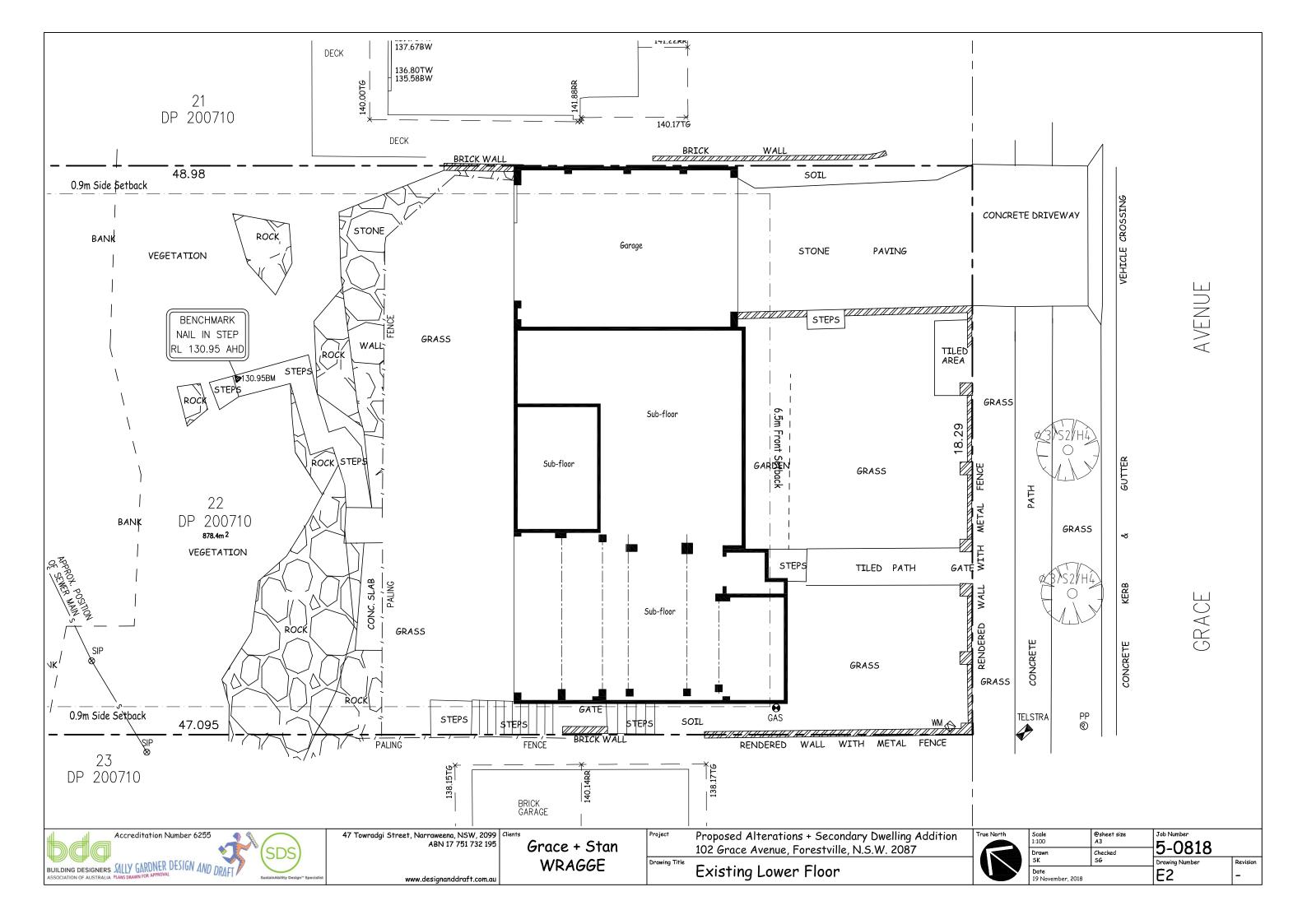


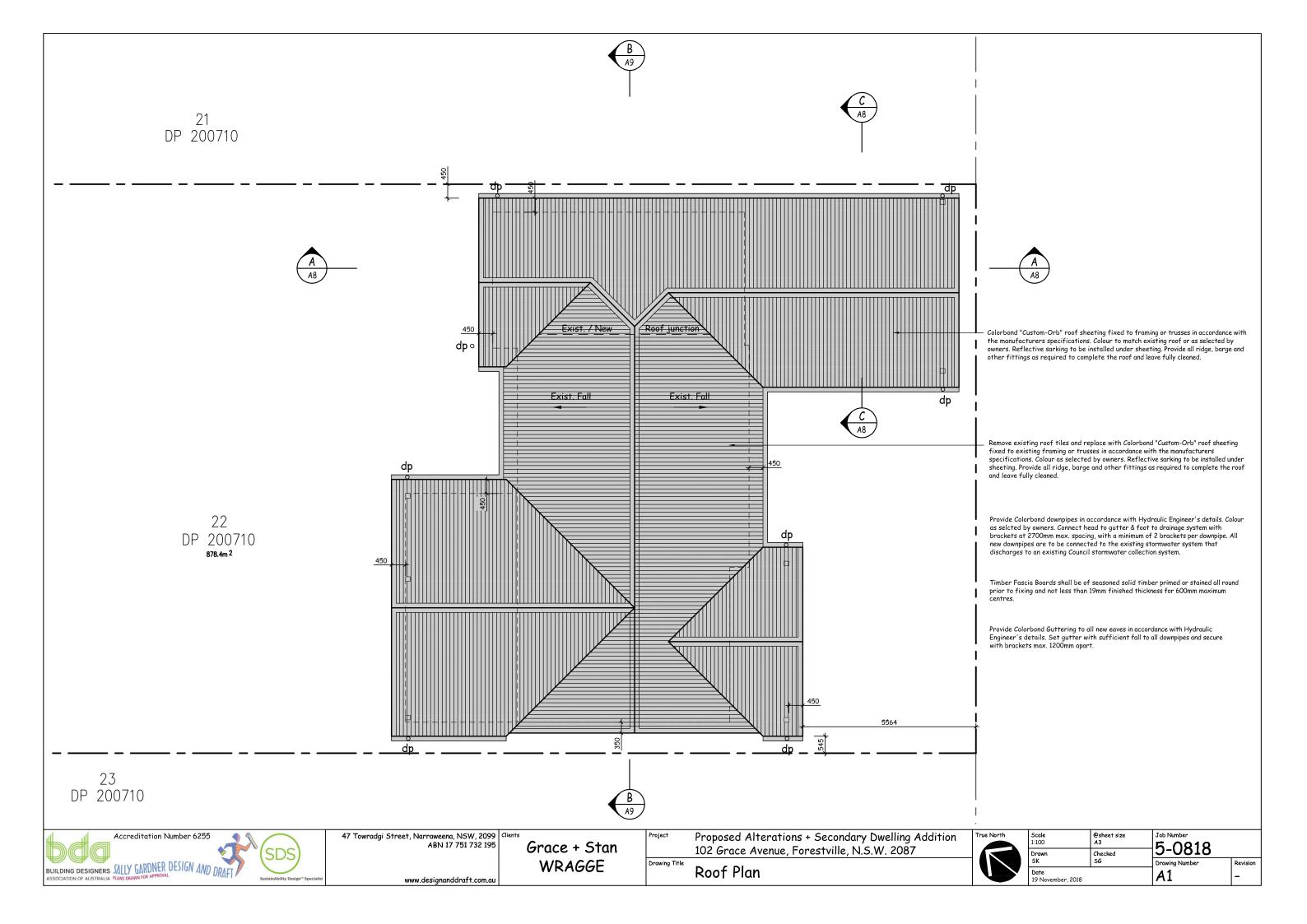
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roject		Scale N.T.S.	@sheet size A3	Job Number	
	102 Grace Avenue, Forestville, N.S.W. 2087		Checked	5-0818	
rawing Title		SK	SG SG	Drawing Number	Revision
Sche	edules & BASIX Commitments - Secondary Dwelling	Date 19 November, 2018		N3	-





Note: Construction and materials used on the new works is to equal or exceed the requirements of AS3959-2009 Construction of Buildings in Bushfire Prone Areas. Refer Bushfire consultants report included with this proposal for details.





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102 Grace Avenue, Forestville, N.S.W. 2087

North East Elevation

Scale 1:100	@sheet size A3	Job Number 5-0818	
Drawn	Checked	2-0010	
SK	SG	Drawing Number	Revision
Date 19 November 2018		A4	_

Note: Construction and materials used on the new works is to equal or exceed the requirements of AS3959-2009 Construction of Buildings in Bushfire Prone Areas. Refer Bushfire consultants report included with this proposal for details.



NORTH WEST ELEVATION



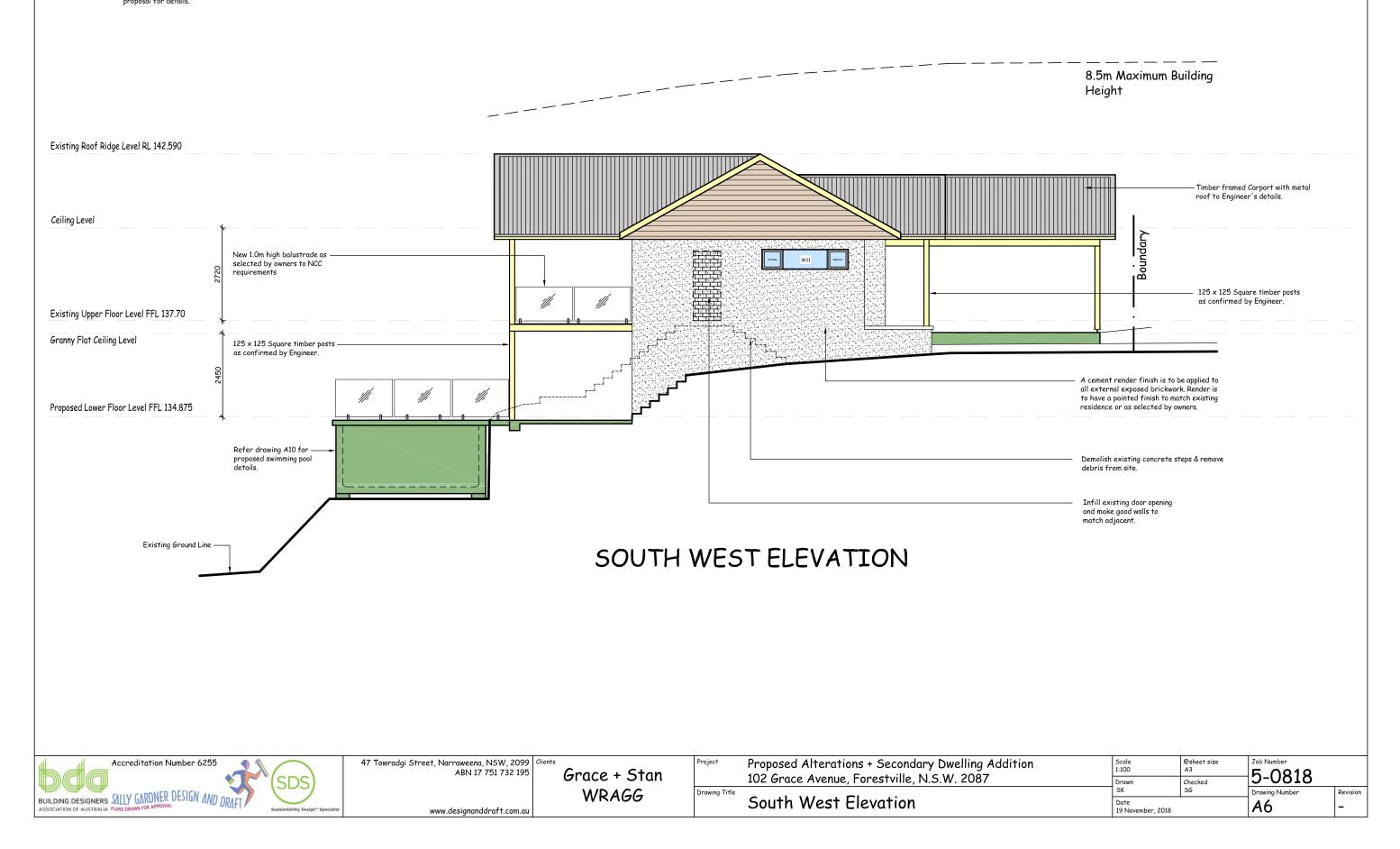
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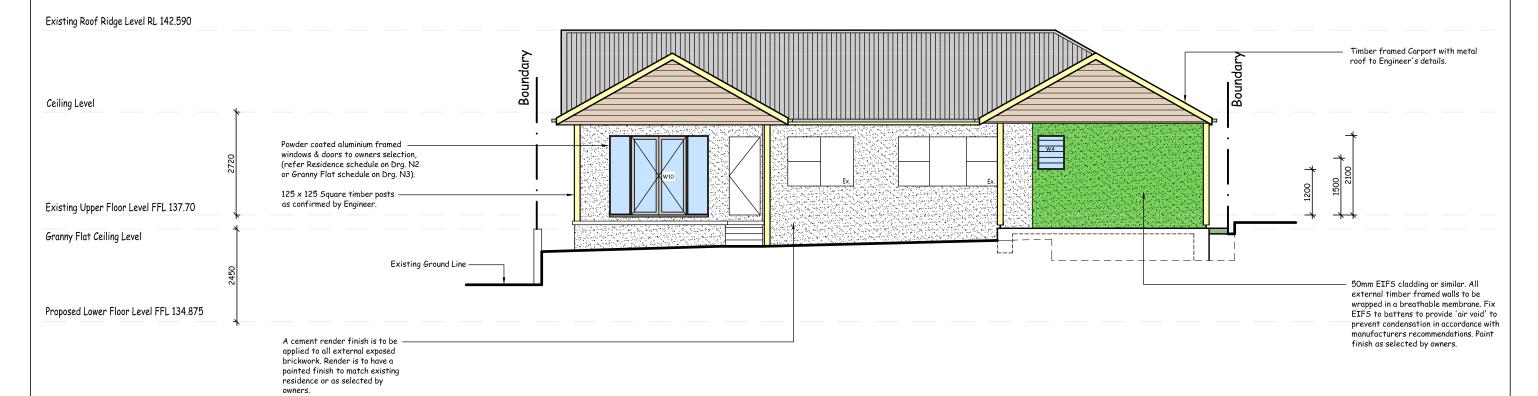
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		102 Grace Avenue, Forestville, N.S.W. 2087	Drawn	Checked	2-0010	
	Drawing Title		SK	5G	Drawing Number	Revision
			Date 19 November 2018		<i>A</i> 5	

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SOUTH EAST ELEVATION



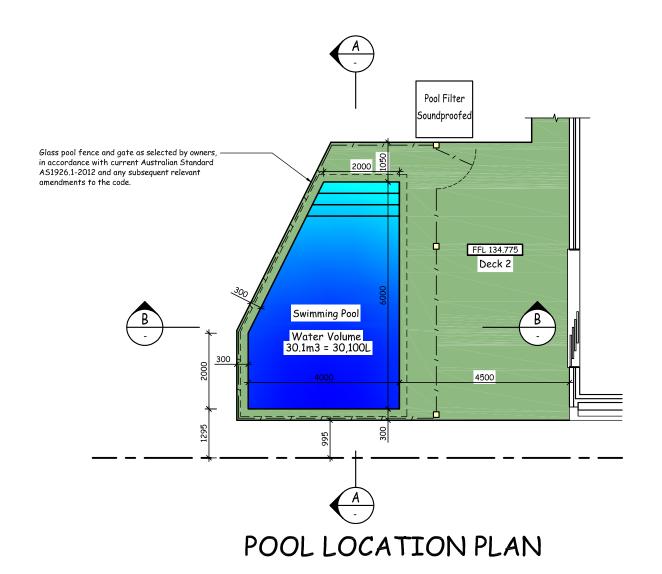
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Project	Proposed Alterations + Secondary Dwelling Addition 102 Grace Avenue, Forestville, N.S.W. 2087
Drawing Title	South East Elevation

Scale	@sheet size	Job Number	
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SK	SG	Drawing Number	Revision
Date 19 November, 2018		A7	-

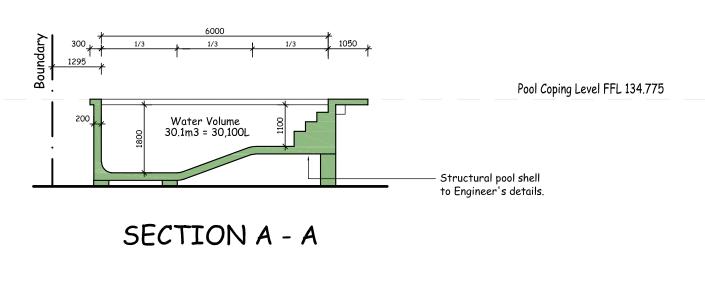


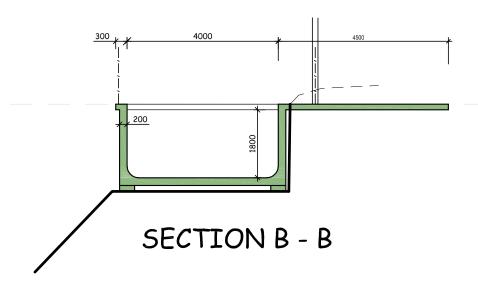
POOL OWNER NOTES

- 1 If owner is dissatisfied with initial pool setout, location or depths, the Builder should be Notified BEFORE steel reinforcement is fixed.
- 2 The position of skimmers, lights, return lines etc. on this drawing is indicative only and final position to be determined on Site.
- 3 Safety Fencing should be in accordance with Local Councils requirements and Conform to Australian Standards.

POOL BUILDER; GENERAL NOTES

- 1. This Design applies only for Ground levels as shown.
- 2. All workmanship and materials shall comply with relevant current SAA Codes, By-laws and Ordinances of the Local Building Authority including but not limited to AS 2783-1985 and The Swimming Pools Act-1992.
- 3. The overall Dimensions shall be checked on Site. Dimensions shown are concrete sizes and do not include Finishes. These drawings are to be read in conjunction with the Engineers drawings.
- 4. Provide temporary drain hole in both shallow and deep ends of Pool shell. Hydostatic Valve to be cleared of Debris on completion of Concreting.
- 5. Underside of Pool shell to be separated from the underlying material by 75mm layer of Crushed Stone. Place membrane between Pool Shell and Bluemetal. Corrugated Iron alternative on Rock ONLY. Fill main drain sump with Bluemetal.
- ${\bf 6}.$ Pool filter pump must be enclosed within a soundproofed enclosure to minimise noise nuisance.





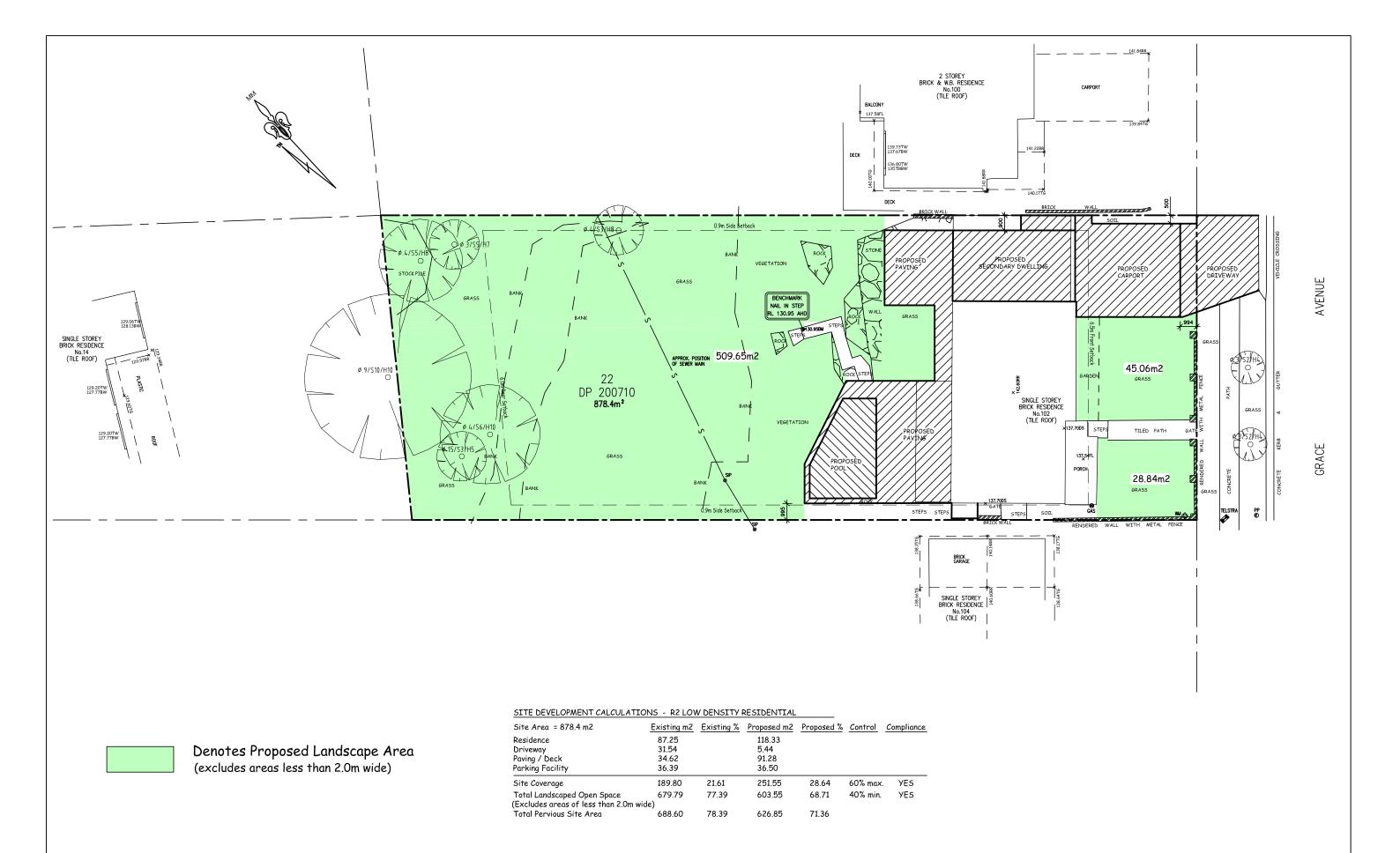


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Swimming Pool Details





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Site Plan and Calculations

	True North
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Date 19 November, 2018		52	-

