# **163 BEXLEY RD, KINGSGROVE**

# **PROPOSED GRANNY FLAT, STUDIO & SWIMMING POOL**





CONCEPT TO REALITY

SITE ADDRESS: 163 Bexley Road, Kingsgrove LOT: C | SEC: | DP:321575

ISSUED FOR: Issued for DA

PROJECT TYPE: Residential

#### **DEVELOPMENT DATA**

LOT SIZE: 998.7m <sup>2</sup>			
COUNCIL COMPLIANCE	ALLOWED	PROVIDED	COMPLY
MIN FRONTAGE	N/A	13.1m	YES
MAX SITE COVERAGE	40% = 399.48m²	399.13m²	YES
FLOOR SPACE RATIO	0.5:1 = 499.35m <sup>2</sup>	367.13m²	YES
MAX BUILDING HEIGHT	8.5m	4.2m	YES
FRONT SETBACK	G= 5.5m	G= 63.93	YES
SIDE SETBACK 1	1.5m	1.5m	YES
SIDE SETBACK 2	1.5m	4.39m	YES
REAR SETBACK	5.0m	5.0m	YES
CORNER SETBACK	N/A	N/A	N/A
LANDSCAPE AREA	min 35% = 349.54m <sup>2</sup>	372m²	YES
PRIVATE OPEN SPACE	24m²	146m²	YES
SITE CALCULATION			'
EXISTING DWELLING	299.13m²		
PROPOSED GRANNY FLAT	60m²		
PROPOSED STUDIO	38m²		

#### **AERIAL MAP**



#### **LOCATION MAP**



#### Sheet Schedule

00 Cover Page
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0.1 Title Page

Specification Page 0.2

0.3 **Basix Comments** 

01.0 Site Plan

01.1 Site Analysis

Ground Floor Plan 02.0

03.0 North & South Elevation

03.1 East & West Elevation

03.2 Sections

05.0 Concept Landscape Plan

06.0 Schedules

07.0 **Neigbour Notification** 



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Reg #: 2125/16

urveyor.
These documents may only be used for the purposed for which was commissioned and in coordance with the Terms of Engagement.

**SITE ADDRESS:** 163 Bexley Road, Kingsgrove

LOT C | SEC: | **DP**:321575 ISSUED FOR: Issued for DA

PROJECT TYPE: Residential

**SCALE:** 1:100

DATE: Jan 2022 REV: B SHEET NO: 0.1

#### 1.0 GENERAL

- 1.1 ALL DIMENSIONS SHALL BE CHECKED ON SITE PRIOR TO COMMENCEMENT ANY WORK 1.2 ALL MATERIALS SHALL COMPLY WITH RELEVENT CURRENT AUSTRLIAN STANDARDS AND SHALL BE NEW AND THE BEST OF THEIR RESPECTIVE KINDS
- 1.3 ALL WORKMANSHIP SHALL COMPLY WITH RELEVENT CURRENT AUSTRALIAN
- STANDARDS AND TO GOOD TRADE PRACTICES.
- 1.4 ALL WORK SHALL BE IN ACCORDANCE WITH REQUIREMENTS OF THE RESPECTIVE ALITHORITY HAVING ILIRISDICTION OVER THE WORKS
- THE SPECIFICATION, SCHEDULES AND CONSULTANTS DRAWINGS THAT FORMS PART OF THE CONSTRUCTION DOCUMENTS REFERRED TO IN THE "BUILDING CONTRACT."
- 1.6 DO NOT SCALE FROM DRAWINGS. NOTIFY OF ANY ERRORS OR OMISSIONS
- BEFORE PROCEEDING WITH ANY WORKS. 1.7 ENSURE THAT BACKGROUNDS ARE SUITABLE FOR THE INTENDED
- SUBSEQUENT FINISHES. COMMENCEMENT OF WORK ON THE BACKGROUNDS
- IMPLIES ACCEPTANCE BY THE SUBCONTRACTOR OF THE BACKGROUNDS ON WHICH FINISHES
- 1.8 SUPPLY ALL FOLIPMENT NECESSARY FOR THE COMPLETION OF RESPECTIVE WORKS 1.9 PROGRESSIVELY CLEAN UP AFTER THE COMPLETION OF RESPECTIVE WORKS.

#### 2.0 EARTHWORKS

- LINI ESS OTHERWISE STATED. REMOVE TOPSOIL TO A MINIMUM DEPTH OF 200mm INCLUDING ALL ROOTS, AND OTHER MATTER, AND REQUIRED BY THE
- SAND AND COMPACT IN LAYERS NOT GREATER THAN 300mm TO REDUCE LEVELS AS SHOWN.
- 2.2 COMPACT SAND FILLING AND SANDY SUB GRADES UNDER FOOTINGS AND
- SLAB TO OBTAIN MIN. SEVEN (7) BLOWS PER 300mm ON A STANDARDS PERTH
- SAND PENEFROMETER TEST (AS PER AS 1289 F3.3)
- DO NOT EXCAVATE SERVICES TRENCHES WITHIN AN ANGEL OF 45 DEGREES DOWN FROM BOTTOM EDGE
- ALL RETAINING WALLS TO BE TREATED WITH "BITKOTE" WATERPROOFING AGEN

#### 3.0 CONCRETE

- CONCRETE REINFORCEMENT AND FORMWORK SHALL BE TO A STRUTURAL
- ENGINEERS DETAILS, RELEVANT BUILDING CODES AND STANDARDS 3.2 ALL CONCRETE TO CONFORM TO THE REQUIREMENTS OF AS 3600 CONCRETE
- STRENGTH GRADE: N20, AGGREGATE 20mm, SLUMP 80mm.
- SLAB IS TO BE CURED FOR 7 DAYS MIN. & SLAB REINFORCEMENT PLACED ON APPROVED CHAIRS TO IMPROVE CRACK CONTROL.
- THE FOOTING AND SLAB CONSTRUCTION IS TO COMPLY WITH AS 2870.
- PROVIDE A PROPRIETARY VAPOR BARRIER WHICH CONSISTS OF HIGH IMPACT 3.5 RESISTANT POLYTHENE FILM MIN. 0.2mm THICK WHICH HAS BEEN PIGMENTED AND BRANDED BY
- 3.6 TERMITE PROTECTION
- PROVIDE ANTI-TERMITE TREATMENT UNDER THE BUILDING AREAS IN ACCORDANCE WITH AS 2057, AS 3660.1 AND APPENDIX D, FOR RETICULATED SYSTEMS.
- OR SIMILAR APPROVED ANTI-TERMITE TREATMENT IN ACCORDANCE WITH REFLEVANT ALISTRALIAN

#### 4.0 BRICKWORK

- - AS A123 MASONRY CODE
- MORTAR FOR MASONRY CONSRUCTION BRICK GAUGE 7 STANDARD COURSES = 600mm
- 4.3 ALL BRICKS SHOULD HAVE MIN. COMPRESSIVE STRENGTH OF 20MPa
- AND AS FOLLOWS:
- EXTERNAL FACE WORK: 230x110x76mm
- EXTERNAL RENDER: 305x162x90mm MAXIBRICK OR VERTICORE 2c FACE BRICK SPLAYED SILLS
- WINDOW HEADS:
- INTERNAL WALLS: 305x162x90mm MAXIBRICK OR VERTICORE
- WITH BED JOINT AND PERPENDS FILLED
- 305x76x90mm LONGREACH OR JUMBO FOR
- COURSE ADJUSTMENT MORTAR: 1:1:6 CEMENT:LIME:SAND
- MORTAR (FACE BRICK) COLOR TO MATCH EXISTING AS SELECTED
- TIES SHALL BE 3.5mm DIAMETER GALVANIZED WIRE KINKED FOR AND BUILT IN
- EVERY 5TH COURSE AT APPROXIMATELY 900mm CENTRES, WITH ADDITIONAL TIES AT THE RATE OF 1 TIE/300mm HEIGHT OF OPENINGS AND VERTICAL
- CONTROL JOINTS AND WITHIN 150mm OF THE OPENINGS. BUILD TIES INTO
- EACH LEAF AT LEAST 50mm, VERTICAL CONTROL JOINTS SHALL BE 12mm WIDE
- FILLED AT COMPLETION WITH 'COMPRIBAND' CONTINUOUS FILLER STRIP KEEP CAVITIES CLEAR OF MORTAR, PROVIDE CAVITY BOARDS, TEMPORARILY
- OMIT BRICKS TO PERMIT RAKING OUT OF CAVITY BOTTOMS.
- FORM WEEP HOLES EVERY FOURTH PERPEND ABOVE FLASHINGS AND CAVIT
- FILL. KEEP CLEAR OF MORTAR, DO NOT LOCATE WEEPHOLES CLOSER THAN 500mm TO JOINTS IN DAMP PROOF COURSES OR FLASHINGS
- PROVIDE DAMP PROOF COURSES (DPC) IN THE BOTTOM 3 COURSES OF
- ALL FACEWORK
- SETOUT BRICKWORK ACCURATELY, PLUMB, LEVEL AND PROPERLY BONDED. RISING WORK TO BE RAKED BACK JAMBS REVEALS CORNERS PERPENDS
- ETC. TO BE TRUE, PLUMB, AND IN LINE WITH PERPENDS TRUE TO LINE 12mm OR GREATER THAN 50mm.

- MOISTEN ALL EXTRUDED BRICKS BEFORE LAYING
- PROVIDED 12mm PLASTERING MARGIN BETWEEN WINDOW FRAME AND
- WHERE NECESSARY REINFORCE BELOW AND OVER OPENINGS WITH
- GALVANISED WOVEN WIRE FABRIC 75mm WIDE IN CENTRE OF EACH LEAF
- LOCATED IN 2 COUSES BELOW SILL AND IN THE 2 COURSES ABOVE AN OPENING EXTENDING A MINIMUM OF 600mm BEYOND THE OPENING.
- BUILD IN ALCOR/PGI FLASHINGS AS FOLLOWS:

  - -OVER LINTELS TO EXPOSED OPENINGS:
    - FULL WIDTH OF OUTER LEAF CONTINUOUS ACROSS CAVITY 50mm INTO INNER LEAF 2c ABOVE.
- - FULL WIDTH OF EXTERAL LEAF, STEPPED TO ROOF SLOPE TURNED DOWN MIN 50mm OVER BASE FLASHING. TURN UP IN CAVITY SLOPING INWARDS AND BUILT
  - INTO INNER LEAF 1¢ ABOVE.
- -DOOR / WINDOW STILES:
  - FULL HIGHT 150mm WIDE FIXED TO FRAMES INTERLEAVED WITH SILL AND HEAD
- -STRUCTURE OR SERVICES WITHIN 30mm OF OUTER BRICK LEAF IN CAVITY
- FRAME. NOMINAL 300mm WIDE. FOR HORIZONTAL STRUCTURES / SERVICES:
- CONTINUOUS FLASHING BUILT IN AS FOR OVER LINTELS. AT CAVITY WALLS WITH GLASS BLOCK 300mm WIDE FIXED TO GLASS BLOCK FRAME
- AND TURNED AWAY IN CAVITY FROM INNER LEAVE.

#### 4.14 LINTELS

MAX SPAN	LINTELS SIZE	BEARING
(mm)	(VERT x HORIZ x THICK)	EACH END (mm)
900	75x10	150
1200	75x75x8	150
1500	90x90x8	150
1800	100x75x8	230
2100	125x75x8	230
2400	125x75x10	230
2500	100x100x8	230
3000	150x90x10	230

#### 5.0 CARPENTRY WORK

- CODE. DRAW STRAP FIRMLY OVER WALL PLATES AND SECURELY FIX TO TOP OF PLATE BY 2x30mm GALV. CLOUTS/STRAP.
- REFER TO AS 1684 FOR ROOF FRAMING SIZES UNLESS SPECIFIED ON DRAWINGS SUPPLY AND FIX ALL BULKHEADS & FALSE CEILINGS AS SHOWN ON THE DRAWINGS.

#### 6.0 METALWORK

- ELECTRIC AND GAS METER BOXES AS SHOWN IN DRAWINGS
- WINDOW FRAMES SHALL BE RESIDENTIAL OR COMMERCIAL SECTION WITH POWDERCOAT FINISH AS SELECTED BY OWNER. ALLOW FOR FLYSCREENS TO ALL WINDOWS. REFER TO ADDENDUM. ANGLED WINDOW UNITS SHALL BE FACTORY MAD AND FIXED AND DELIVERED ON SITE AS COMPLETE LINIT
- CLOTHES HOIST: REFER TO ADDENDUM

- 7.0 ROOFING SELECTED ROOFING MATERIAL SHALL BE INSTALLED AND FIXED IN ACCORDANCE WITH
- GUTTER, FASCIA, DOWN PIPES, FLASHINGS SHALL BE IN LONGEST POSSIBLE LENGTHS AND SHALL
- DOWN PIPES SHALL MATCH EXISTING
- ALLOW FOR ALL JOINTS AND JOINING MATERIALS, COLLARS, STRAPS & FASTENINGS
- 7.5 ALLOW FOR ALL ROOF PENETRATIONS, ROOF COWLS, FLASHINGS, FLUMES THROUGH
- SEAL BETWEEN OVERLAPPING FLASHINGS; FLASHINGS TURNED DOWN OVER BASE OR APRON FLASHINGS: FLASHINGS OVER METAL ROOF: FLASHINGS OVER SECRET GUTTERS: AROUND ROOF PENETRATIONS ETC.

#### 8.0 JOINERY

- 8.1 ALL JOINERY SHALL BE OF HIGHEST QUALITY MATERIALS TO BEST TRADE PRACTICES AND HIGH QUALITY FINISH.
- EXTERNAL DOOR FRAMES SHALL BE: 110x40 DOUBLE REBATED FRAME WITH 130x4
- 8.3 SUPPLY AND BUILD IN TIMBER DOOR FRAMES TO EXTERNAL LOCATIONS AS SHOWN ON ARCHITECTURAL DRAWINGS.

#### 9.0 CEILINGS

- CEILINGS SHALL BE RECESSED EDGE. MINIMUM 8.0mm PLASTERGLASS OR GYPROCK
- FLUSH JOINTS, SCREW HEADS, AND OTHER BLEMISHES IN THE SHEETS USING
- PROVIDE AND FIX ALL FLUSH STOP BEADS & CASING BEADS TO ALL CORNERS & EDGES.
- PROVIDE ALL SELECTED MOLDINGS AND CORNICES TO ALL CEILINGS AS STATED IN ARCHITECTURAL DOCUMENTS.

#### 10.0 PLASTERING

- INTERNAL WALL FINISHES INCLUDING CUPBOARD, BIN, & FRIDGE RECESSES, ETC. SHALL BE (OTHER THAN EACE FINISHES OR WHERE COVERED BY FEATURE MATERIALS)
- FLOAT AND SET IN HARDWALL PLASTER U.N.O PLASTERED WALLS SHALL BE NOMINAL 12mm THICK CONSISTING OF 1:1:9.
- CEMENT:LIME:SAND RENDER, AND FINISHED WITH NOMINALLY 3mm HARDWALL PLASTER.
- SLIPPLY AND FIX EXTERNAL CORNER READS TO ALL EXTERNAL CORNERS PROVIDE STOP READS WHERE PLASTER WORK ARLITS TIMBER FRAMES OR FACEWORK
- EXTERNAL RENDER WHEN APPLICABLE SHALL BE 2 COAT SAND FINISH. (FOR PAINTING)
- NIBS IN INTERNAL CORNERS ADJACENT TO DOOR FRAMES GREATER THAN 40mm SHALL NOT BE FLUSHED UP WITH FRAMES.
- PROVIDE V-IOINTS IN RENDER & FINISHING PLASTER WHERE BRICK WORK ABUTS OR

#### 11.0 GLAZING

- CLEAR GLASS GENERALLY: OBSCURE GLASS TO BATHROOMS, REFER TO DRAWINGS
- WHERE GLASS BLOCKS HAVE BEEN NOMINATED. THEY SHALL BE IN FRAMES AND INSTALLED TO MANUFACTURES SPECIFICATIONS.

# 12.0 FLOORING FINISHES

- CARPET FLOOR COVERINGS TO NOMINATED AREAS COMPLETE WITH SELECTED UNDERLAY SMOOTH EDGE, DIMINISHING STRIPS ETC, TO COMPLETE THE WORKS
- REFER TO DRAWINGS & FINISHES SCHEDULE. PROVIDE TILED FLOOR FINISHES TO NOMINATED AREAS COMPLETE WITH ALL MATERIALS
- ANGLE TRIMS, ETC.TO COMPLETE THE WORKS: PROVIDE TIMBER FLOOR FINISHES TO NOMINATED AREAS COMPLETE WITH ALL MATERIALS. DIMINISHING BOARDS FTC. TO COMPLETE THE WORKS: FLOOR BOARDS TO BE SANDED & POLISHED TO HIGH STANDARD WITH PREMIUM QUALITY SEALER (2 COATS).

# 13.0 SIGNAGE

- WHERE NECESSARY SUPPLY & FIX SELECTED UNIT AND HOUSE NUMBERS TO EACH UNIT
- "SUPERDRAFT" RESERVES THE RIGHT TO ERECT A BUILDERS SIGN ON THE PROPERTY FACING THE STREET FRONTAGE IN COMPLIANCE WITH AUTHORITY REQUIREMENTS.

## 14.0 PAVING

- GENERALLY: WHEN PAVING IS INCLUDED IN THE BUILDING CONTRACT, THE FOLLOWING SHALL APPLY AS A MINIMUM STANDARD
- SUPPLY AND LAY ALL PAVING TO EXTERNAL AREAS AS SHOWN ON WORKING DRAWINGS CUT, FILL AND COMPACT SAND TO REQUIRED LEVELS. SCREED TO UNIFORM THINNESS
- PROVIDE BRICK EDGE-RETRAINING FOOTING EMBEDDED IN MORTAR BENEATH THE PAVING BRICK, GENERALLY, TO DRIVEWAY AREAS, PROVIDE NOMINAL 300x150mn
- CONCRETE FOOTING ALONG PERIMETER OF DRIVEWAY AND BED EDGE BRICK IN MORTAR. PROVIDE 100mm COMPACTED LIMESTONE BASE TO DRIVEWAY TOPPED WITH 50mm CLEAN SAND AND GRADE TO FALLS.

- TRAFFICABLE AREAS: MIN. 65mm SOLID CLAY OR CONCRETE PEDESTRIAN AREAS: MIN. 43mm SOLID CLAY OR CONCRETE

#### NATIONAL CONSTRUCTION CODE (NCC)

#### Section A General Provisions

- Vol. 2 Port 1.3, Clouse 1.3.2 Classifications: CLASS 1: One or more buildings which in association constitute
- - (i) a detached house, or
- (ii) one or more attached dwellings, each being a building, separated by a fire-resisting wall, including a row house, terrace house, town house or villa unit, CLASS 10: A non-habitable building being a private garage, carport, shed, or the like.

- Section C Fire Separation
  Part 3.7. 1 Fire Separation 3.7.1.1 Application
- pliance with this Port satisfies Performance Requirement P2.3. I for fire separation

- The following materials, though combustible or containing combustible fibtres, may be used wherever a non-combustible is required in the Housing Provisions:
  (a) plasterboard, and
- perforated gypsum lath with a normal paper finish, and
- c) fibrous-plaster sheet, and d) fibre-reinforced cement sheeting, and
- ) pre-finished metal sheeting having a combustible surface finish not exceeding 1 mm thick and where the Spread-of-Flame Index of the product is not more than O; and (f) bonded laminated materials, where -
  - (i) each laminate is non-combustible; and
    (ii) each adhesive layer is not more than 1 mm thick; and (iii) the total thickness of adhesive layers is not more than 2mm; and
  - (iv) the Spred-of-Flame Index and the Smoke-Development Index of the laminated material as a whole does not exceed O and 3 respectively

- An external wall of a Class 1 building and any openings in that wall must comply with 3.7. 1.5, if the wall is less than
- (a) 900mm from the allotment boundary other than the boundary adjoining a road alignment or other public space; or (b) 1.8m from another building on the some allotment other than appurtenant Class 10 building or a detached port of the same Class 1 building.

- (a) The distance from any point on an external wall of a building to an allotment boundary or another building is the distance to that point measured along a line at right angles from the allotment boundary or external wall of the other building which intersects that point without obstruction by a wall complying with 3.7. 1.5.
  (b) Where a wall within a specified distance is required to be constructed in a certain manner, only that port of the wall, (including any openings) within the specified distance. must be constructed in that manner
- (a) External walls (including gables) required to be fire-resisting [Referred to in 3.7.1.3 or 3.7.1.6) must extend to the underside of a non-combustible roof covering or non-combustible eaves lining, and must(i) hove on FRL of not less than 60/60/60 when tested from the outside; or
  (ii) be of masonny-veneer construction in which the external masonry veneer is not less than 90mm thick; or
- (iii) be of masonry construction not less than 90mm thick
- (B) Openings in external walls required to be fire-resisting [referred to in 3.7 .1.3 or 3.7 .1 .6) must be protected by-
- (i) non-operable fire-windows or other construction with on (II) self-closing solid-core doors not less than 35mm thick.
- c) Sub-floor vents, roof vents, weep holes and penetrations for pipes. conduits and the like need not comply with (b) above. (d) Concessions for non-habitable room windows, conduits and the like Despite the requirements in (b). in o non-habitable room a window that faces the boundary of on adjoining allotment may be not less than 600mm from that boundary, or, where the building faces another building on the some allotment, not less than 1.2m from that building; providing thot(i) in o bathroom, laundry or foilet, the opening hos on area of not more than 1.2sqm; or
  (ii) in a room other than referred to in (i). opening hos on area of not more than 0.54sqm; ond(A) the window is steel-framed, there ore no opening asshes and it is glazed in wire gloss; or
- (B) the opening is enclosed with hollow gloss blocks 3.7.1.8 Separating walls

  (a) A wall that separates Closs 1 dwellings, or separates a Closs 1 building from o Closs 1 0a building which is not opurtenont to that Closs 1 building, must hove on FRL of not less than 60/60/60, and-
  - (i) commence at the footings or ground slob; and

#### (A) if the building hos a non-comustible roof covering, to the underside of the roof covering; or (B) if the building hos o combustible roof covering, to not less than 450mm above the roof covering

SPECIFICATION C1 .10 Fire Hazard Properties

## s used in the building having flomobility, smoke developed and spread-of-flame indices as set-out in Spec. C 1.10.

- Part F1: Damp and Weatherproofing
- Stormwoter drainage must comply with AS/NZS 3500.3.2 Roof covering to comply with F 1.5 Sorking must comply with AS/NZS 4200, Ports 1 and 2
- Water proofing of wet areas in buildings to comply with FI .11
- Automatic fire detection system to be provided in accordance with Port 3.7.2 General concession; Port 3.7.2; Smoke alarms requirements for smoke alarms
- (i) any storey containing bedrooms.
- Wet areas within the building must comply with the requirements of Port 3.8.1 Wet areas.
- 3.8.6.1 Application Compliance with this Port satisfies performance requirement P2.4.6 for sound insulation
- (a) to provide insulation from air-born and impact sound, o separating wall between two or more Class 1 buildings, must-(i) achieve the weighted sound reduction with spectrum adoption term [Rw+Ctr] and discontinuous construction requirements, as required by Tobie 3.8.6.1; and (ii) be installed in accordance with the appropriate requirements of 3.8.6.3 and 3.8.6.4.
  (b) For the purpose of this Port, the Rw+Ctr must be determined in accordance with As/NZS 127 6.2 or ISO 717. 1, using results from laboratory measurements.

Port 3.9: Safe movement and access he treads and risers of the proposed stairs ore to comply with Port 3. 9 .1.2 General requirement

surveyor.

These documents may only be used for the purposed for which was commissioned and in
accordance with the Terms of Engagement



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NOTE:

\* Architectural documents are to be read in conjunction with relevant structural, fire service, mechanical, hydraulic, electrical, civil and landscaping documents.

\* Do not scale drawings. Use figured dimensions only, inform Architect of any conflict between site conditions and documents. Contractor to verify all dimensions on site efore commencing work.

\*Any extra work entailed hereafter must be claimed and approval obtained befor proceeding otherwise ne extra will allowed for.

\*All materials, appliances, fittings and finishes are to be installed in accordance with the manufacturer's recommendations and in compliance with the relevant Codes & Standards

\* These drawings are not to be used for construction unless drawings are stamp endorsed by Building Surveyor. SITE ADDRESS: 163 Bexley Road, Kingsgrove LOT C | SEC: | **DP**:321575

ISSUED FOR: Issued for DA PROJECT TYPE: Residential

**SCALE:** 1:100 DATE: Jan 2022 REV: B SHEET NO: 0.2

# **BASIX** Certificate

#### Single Dwelling

Certificate number: 1271761S

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 1009/2020 published by the Department. This document is available at www.basix.nsw.gov.au

Secretary
Date of issue: Monday, 10 January 2022
To be valid, this certificate must be lodged within 3 months of the date of issue.



Project summary		
Project name	C2132 - 163 Bexley	Rd, Kingsgrove
Street address	163 Bexley Road Kir	igsgrove 2208
Local Government Area	Canterbury-Bankstov	wn Council
Plan type and plan number	deposited 321575	
Lot no.	С	
Section no.		
Project type	separate dwelling ho dwelling	use - secondary
No. of bedrooms	2	
Project score		
Water	<b>✓</b> 47	Target 40
Thermal Comfort	✓ Pass	Target Pass
Energy	<b>✓</b> 52	Target 50

Certificate Prepared by	
Name / Company Name: Cedar Design & Construct P/L	
ABN (if applicable): 87616143661	

The dwelling must not contain open mezzanine area exceeding 25 square metres The dwelling must not contain third level habitable attic room.

floor - concrete slab on ground

external wall - brick veneer

external wall - brick veneer

ceiling and roof - flat ceiling / pitched roof

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

Note Insulation specified in this Certificate must be installed in accordance with Part 3.12.1.1 of the Building Code of Australia.

Note In some climate zones, insulation should be installed with due consideration of condensation and associated interaction with

Construction Additional insulation required (R-Value) Other specifications

nil
2.86 (or 3.40 including construction)

2.86 (or 3.40 including construction) 2.86 (or 3.40 including construction)

2.86 (or 3.40 including construction)

ceiling: 4.5 (up), roof: foil/sarking

Show on Show on CC/CDC Certifier Check

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gable end vents; medium (solar absorptance 0.475-0.70)

pa	٦.	/9.	

Project address		Assessor details and thermal	loads		
Project name	C2132 - 163 Bexley Rd, Kingsgrove	Assessor number	n/a		
Street address	163 Bexley Road Kingsgrove 2208	Certificate number	n/a		
Local Government Area	Canterbury-Bankstown Council	Climate zone	n/a		
Plan type and plan number	Deposited Plan 321575	Area adjusted cooling load (MJ/m².year)	n/a		
Lot no.	С	Area adjusted heating load (MJ/m².year)	n/a		
Section no.		Ceiling fan in at least one bedroom	n/a		
Project type		Ceiling fan in at least one living room or other conditioned area	n/a		
Project type	separate dwelling house - secondary dwelling	Project score			
No. of bedrooms	2	Water	✓ 47		Target 40
Site details					ranger re
Site area (m²)	999	Thermal Comfort	✓ Pa	ss	Target Pa
Roof area (m²)	121	Energy	<b>✓</b> 52		Target 50
Conditioned floor area (m2)	55.8		• 02		raigatoo
Unconditioned floor area (m2)	4.04				
Total area of garden and lawn (m2)	0				
Roof area (m2) of the existing dwelling	307				
No. of bedrooms in the existing dwelling	5				

Thermal Comfort Cor	mmitments				Show on DA plans	Show on CC/CDC plans & specs	Certifie check
Windows, glazed doo	ors and skyligh	its					
			evices described in the table below, in a ons must be satisfied for each window		V	~	-
The dwelling may have 1 sk	kylight (<0.7 square	metres) which is not	listed in the table.		V	V	-
The following requirements	must also be satisf	fied in relation to each	window and glazed door:		V	~	-
For the following glass a	and frame types, the	e certifier check can b	e performed by visual inspection.				<b>_</b>
- Aluminium single cle	ear						
- Aluminium double (a	ir) clear						
- Timber/uPVC/fibregl	lass single clear						
- Timber/uPVC/fibregl							
	ass double (air) cle	ar					
For other glass or frame than that listed and a S	types, each windo Solar Heat Gain Co dance with Nationa	w and glazed door mu efficient (SHGC) withi	ust be accompanied with certification sh in the range of those listed. Total system Council (NFRC) conditions. Frame and	n U values and SHGC must			•
For other glass or frame than that listed and a S be calculated in accord table below are for reference.	types, each windo Solar Heat Gain Co dance with Nationa	w and glazed door mu efficient (SHGC) withi	n the range of those listed. Total system	n U values and SHGC must	ion within	Overshadowing	-
For other glass or frame than that listed and a S be calculated in accord table below are for refe  Window/glazed door no.	e types, each windo Solar Heat Gain Co dance with Nationa erence only.	w and glazed door mu efficient (SHGC) within I Fenestration Rating ( Maximum width	n the range of those listed. Total syster Council (NFRC) conditions. Frame and	n U values and SHGC must glass types shown in the  Shading Device (Dimens	ion within	Overshadowing	_
For other glass or frame than that listed and a 5 be calculated in accordiate to the calculated in accordiate to the control to the calculate that the calculate	e types, each windo Solar Heat Gain Co dance with Nationa erence only.	w and glazed door mu efficient (SHGC) within I Fenestration Rating ( Maximum width	n the range of those listed. Total syster Council (NFRC) conditions. Frame and	n U values and SHGC must glass types shown in the  Shading Device (Dimens	mm above	Overshadowing not overshadowed	
For other glass or frame than that listed and a 5 be calculated in accordable below are for refu window/glazed door no.      North facing	e types, each windo Solar Heat Gain Co dance with Nationa erence only.  Maximum height (mm)	w and glazed door mu efficient (SHGC) within I Fenestration Rating of Maximum width (mm)	n the range of those listed. Total systen Council (NFRC) conditions. Frame and	n U values and SHGC must glass types shown in the Shading Device (Dimens 10%)	mm above door mm above		•
For other glass or frame than that listed and a S be calculated in accord	e types, each windo Solar Heat Gain Co dance with Nationa erence only.  Maximum height (mm)	w and glazed door mu efficient (SHGC) withi I Fenestration Rating ( Maximum width (mm)	n the range of those listed. Total system Council (NFRC) conditions. Frame and Type aluminium, single, clear U-value: 6.6, SHGC: 0.441 - 0.539	n U values and SHGC must glass types shown in the Shading Device (Dimens 10%) verandah 5500 mm, 2400 base of window or glazed verandah 5500 mm, 2400	mm above door mm above	not overshadowed	

1800 600 aluminium, single, clear

W2

eave 450 mm, 150 mm above head of window or glazed door

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: gas instantaneous with a performance of 5 stars.	V	~	~
Cooling system			
The applicant must install the following cooling system, or a system with a higher energy rating, in at least 1 living area: 3-phase airconditioning; Energy rating: EER > 4.0		~	V
The applicant must install the following cooling system, or a system with a higher energy rating, in at least 1 bedroom: 3-phase airconditioning; Energy rating: EER > 4.0		~	V
The cooling system must provide for day/night zoning between living areas and bedrooms.		~	~
Heating system			
The living areas must not incorporate any heating system, or any ducting which is designed to accommodate a heating system.		~	v
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		V	~
Kitchen: individual fan, ducted to façade or roof; Operation control: manual switch on/off		~	~
Laundry: individual fan, ducted to façade or roof; Operation control: manual switch on/off		~	-
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 ight emitting diode (LED) lamps:			
at least 2 of the bedrooms / study; dedicated		_	-
at least 1 of the living / dining rooms; dedicated			

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nergy Commitments	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
the kitchen; dedicated		~	-
all bathrooms/toilets; dedicated			
the laundry; dedicated			
all hallways; dedicated		J	J
atural lighting			
he applicant must install a window and/or skylight in the kitchen of the dwelling for natural lighting.		~	-
he applicant must install a window and/or skylight in 1 bathroom(s)/toilet(s) in the development for natural lighting.	V	~	-
ther			
he applicant must install a gas cooktop & electric oven in the kitchen of the dwelling.			
he applicant must construct each refrigerator space in the development so that it is "well ventilated", as defined in the BASIX effinitions.	(	~	
he applicant must install a fixed outdoor clothes drying line as part of the development.		v	

Fixtures  The applicant must install showerheads with a minimum rating of 4 star (> 4.5 but <= 6 L/min plus spray force and/or coverage tests) in is showers in the development.  The applicant must install a tollet flushing system with a minimum rating of 6 star in each toilet in the development.		
Il showers in the development.		
The applicant must install a toilet flushing system with a minimum rating of 6 star in each toilet in the dayslopment		_
the applicant must install a tollet hushing system with a minimum rating of o stall in each tollet in the development.		~
he applicant must install taps with a minimum rating of 6 star in the kitchen in the development.		
he applicant must install basin taps with a minimum rating of 6 star in each bathroom in the development.		
Alternative water		
tainwater tank		
The applicant must install a rainwater tank of at least 1500 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 121 square metres of the roof area of the levelopment (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		

Window/glazed door no.	Maximum height (mm)	Maximum width (mm)	Туре	Shading Device (Dimension within 10%)	Overshadowing
W3	900	1800	aluminium, single, clear	eave 450 mm, 150 mm above head of window or glazed door	not overshadowed
West facing					
W4	900	1800	aluminium, single, clear	eave 450 mm, 150 mm above head of window or glazed door	not overshadowed
W5	900	1800	aluminium, single, clear	eave 450 mm, 150 mm above head of window or glazed door	not overshadowed

∭L CEDAR

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Reg #: 2125/16

NOTE:

\* Architectural documents are to be read in conjunction with relevant structural, fire service, mechanical, hydraulc, electrical, civil and landscaping documents.

\* Do not scale drawings. Use figured dimensions only. Inform Architect of any conflict between site conditions and documents. Contractor to verify all dimensions on site efore commencing work.

\* And the standard of the eather must be claimed and approval obtained befor proceeding otherwise no service with allowed for a contractor of the standard of the eather must be claimed and approval obtained befor proceeding otherwise no service with allowed for a contraction of the standard of the eather when the standard of the standard of the manufacture's recommendations and in compliance with the relevant Codes & Standards

\* These drawings are not to be used for construction unless drawings are statup endorsed by Building Surveyor.

\* These documents may only be used for the purposed for which was commissioned and in accordance with the Terms of Engagement.

| **SITE ADDRESS**: 163 Bexley Road, Kingsgrove LOT C | SEC: | **DP**:321575

ISSUED FOR: Issued for DA PROJECT TYPE: Residential

SCALE:

DATE: Jan 2022 REV: B SHEET NO: 0.3







\* All trees to be removed off site.

\* All existing structure to be demolished off site.

**CONSULTANTS:** 

REV DATE DESCRIPTION INITIAL A 06.01.22 Initial Design Khaled B 07.01.22 Submission

**DRAWING TITLE:** Site Plan DRAWN BY: K.Kabbout M.Shafie CHECKED BY: LOT: C | SEC: **DP**:321575

COUNCIL AREA: Canterbury-Bankstown Council

| SITE ADDRESS:163 Bexley Road, Kingsgrove

**CLIENT:** Kalvin

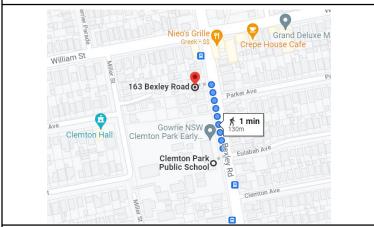
**ISSUED FOR:** Issued for DA PROJECT TYPE: Residential

SCALE: As indicated DATE: Jan 2022 REV: B SHEET NO: 01.0

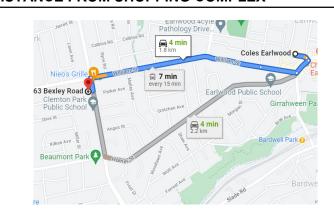
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# DISTANCE FROM PUBLIC TRANSPORT 163 Bexley Road O

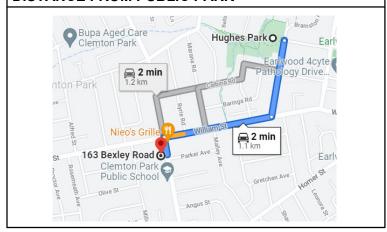
## **DISTANCE FROM SCHOOL**

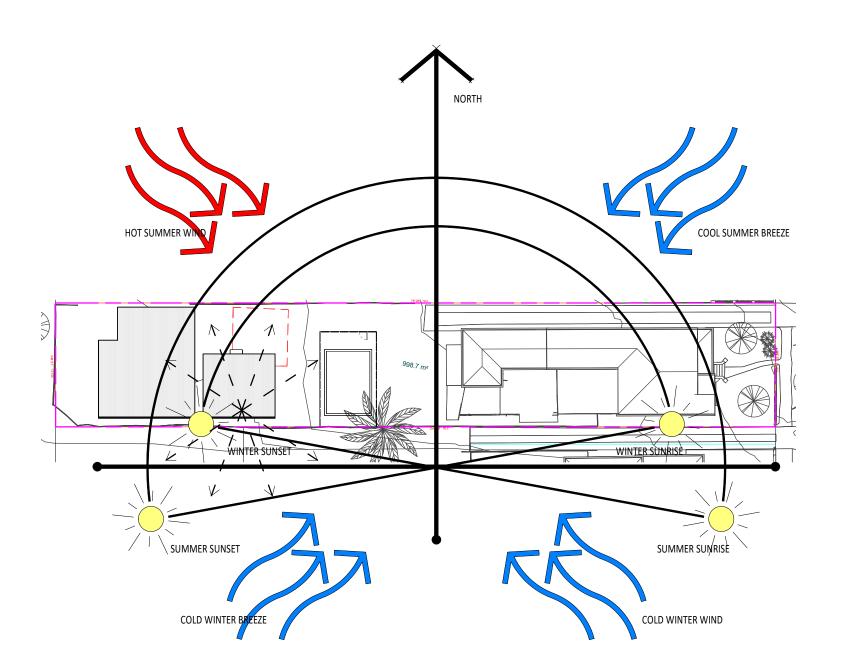


#### **DISTANCE FROM SHOPPING COMPLEX**



#### **DISTANCE FROM PUBLIC PARK**







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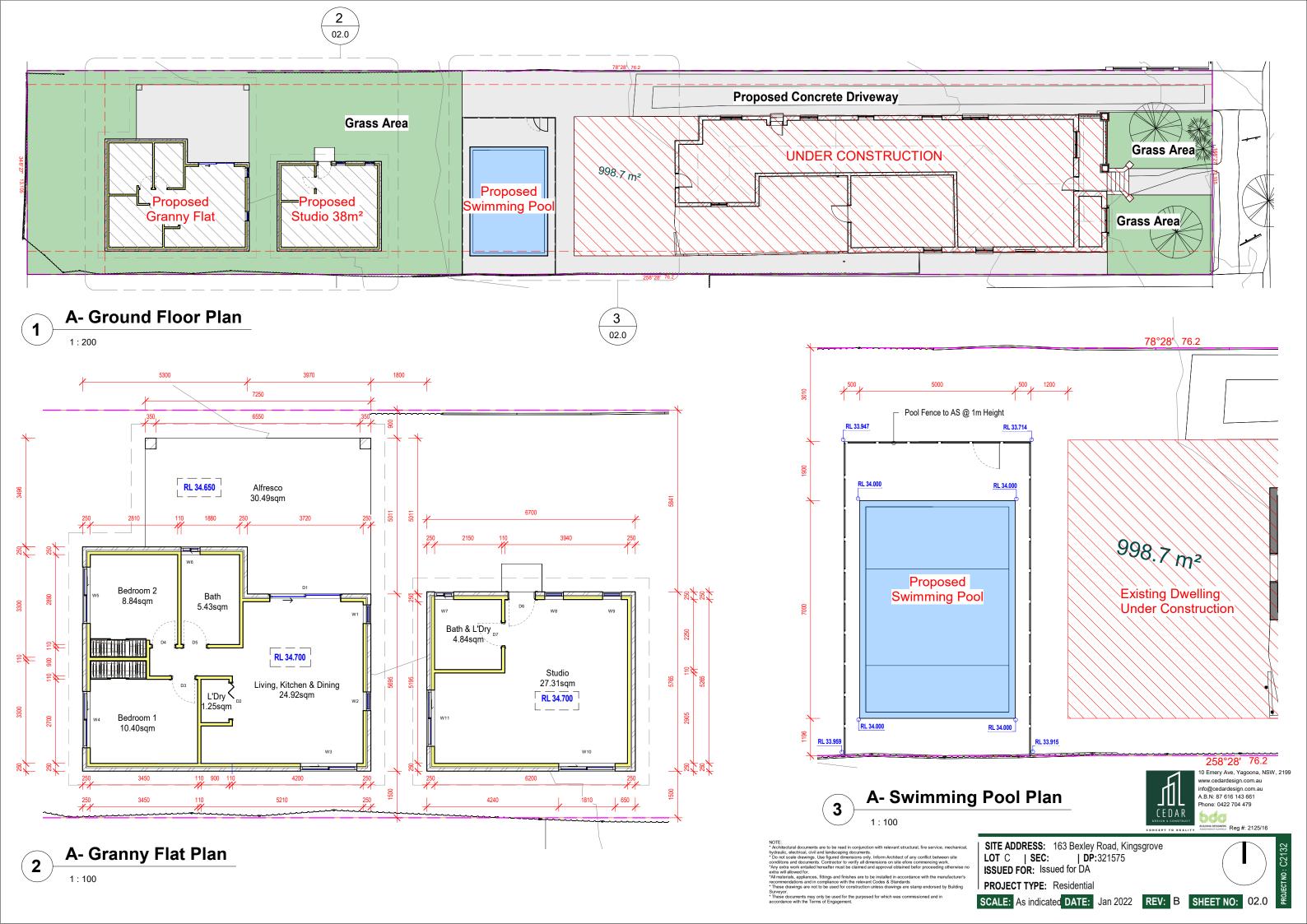
| SITE ADDRESS: 163 Bexley Road, Kingsgrove LOT C | SEC: | DP:321575 | ISSUED FOR: Issued for DA

PROJECT TYPE: Residential



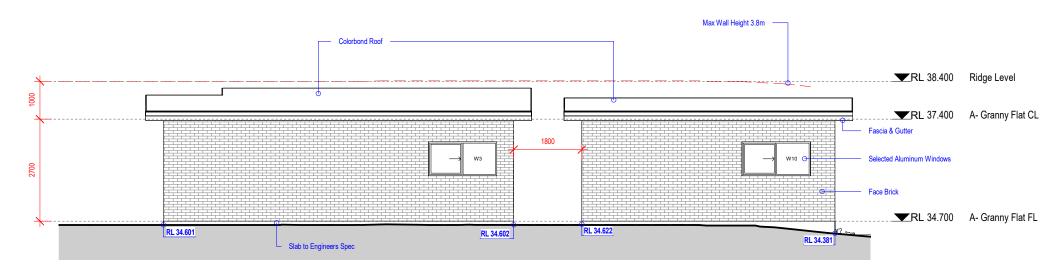


SCALE: As indicated DATE: Jan 2022 REV: B SHEET NO: 01.1





# **North Elevation** 1:100





NOTE:
* Architectural documents are to be read in conjunction with relevant structural, fire
service, mechanical, hydraulic, electrical, civil and landscaping documents.
* Do not scale drawings. Use figured dimensions only. Inform Architect of any conflict
between site condiitons and documents. Contractor to verify all dimensions on site efo
commencing work.

CONSULTANTS:

REV DATE DESCRIPTION INITIAL A 06.01.22 Initial Design Khaled B 07.01.22 Submission

**DRAWING TITLE:** North & South Elevation DRAWN BY: K.Kabbout CHECKED BY: M.Shafie LOT: C | SEC: **DP:**321575 COUNCIL AREA: Canterbury-Bankstown Council

| SITE ADDRESS:163 Bexley Road, Kingsgrove CLIENT: Kalvin

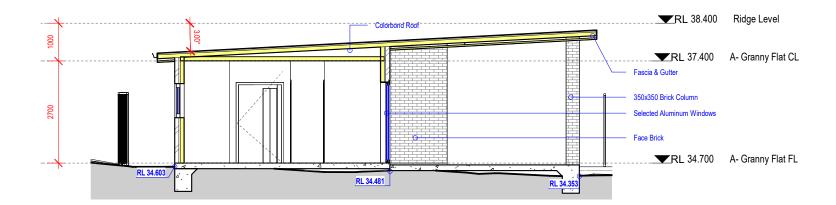
**ISSUED FOR:** Issued for DA PROJECT TYPE: Residential

**SCALE:** 1:100

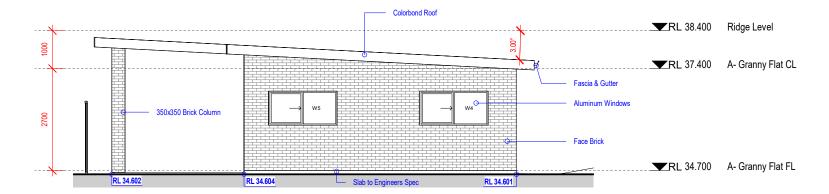
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bdg Reg #: 2125/16

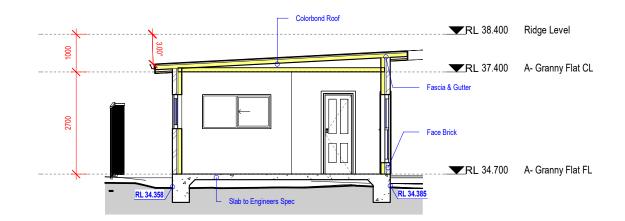
DATE: Jan 2022 REV: B SHEET NO: 03.0



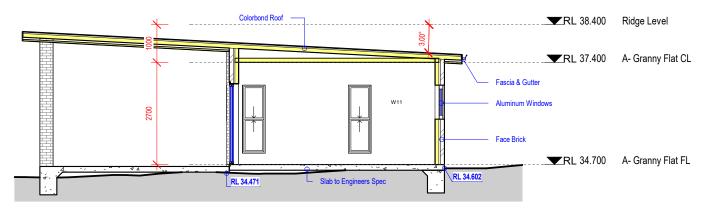
**East Elevation - Granny** 



**West Elevation - Granny** 

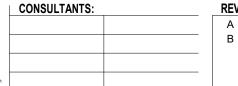


**East Elevation - Studio** 

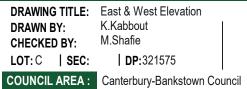


**West Elevation - Studio** 

NOTE: * Architectural documents are to be read in conjunction with r	elevant structural, fire
service, mechanical, hydraulic, electrical, civil and landscapir	
* Do not scale drawings. Use figured dimensions only. Inform	
between site conditions and documents. Contractor to verify commencing work.	all dimensions on site efore
*Any extra work entailed hereafter must be claimed and appropriate the proceeding otherwise no extra will allowed for.	val obtained befor
*All materials, appliances, fittings and finishes are to be insta	lled in accordance with the

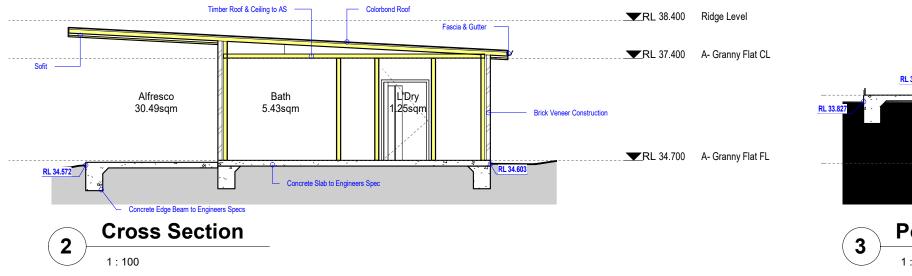


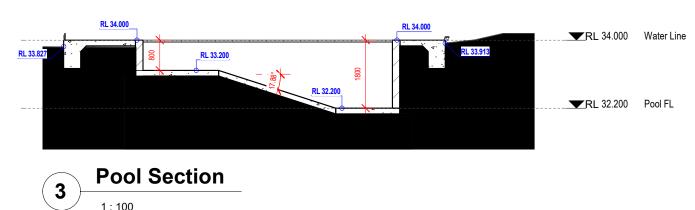




DATE: Jan 2022 REV: B SHEET NO: 03.1

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NOTE:

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"Do not scale drawings. Use figured dimensions only, Inform Architect of any conflict between site conditions and documents. Contractor to verify all dimensions on site efon

**CONSULTANTS:** REV DATE A 06.01.22 Initial Design B 07.01.22 Submission

DESCRIPTION INITIAL Khaled

**DRAWING TITLE:** Sections DRAWN BY: K.Kabbout M.Shafie CHECKED BY: LOT: C | SEC: **DP:**321575 COUNCIL AREA: Canterbury-Bankstown Council | SITE ADDRESS:163 Bexley Road, Kingsgrove CLIENT: Kalvin

**ISSUED FOR:** Issued for DA PROJECT TYPE: Residential

**SCALE:** 1:100

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LANDSCAPE AREA -REAR 314m<sup>2</sup>

FRONT EXISTING 58.7m<sup>2</sup>

**DWELLINGS** -EXISTING 299.13m<sup>2</sup>

> GRANNY FLAT 60m<sup>2</sup> STUDIO 38m<sup>2</sup>

SWIMMING POOL -AREA 35m<sup>2</sup> - VOLUME 36.8m<sup>3</sup>

Landscaping Notes:

#### Turfed Area

 $\ensuremath{^{*}}$  All newly turfed areas to be selected  $\ensuremath{^{\mathsf{weed}}}$  free pennistum clandestium. Turf shall be laid neatly butted with staggered joints flush with adjacent surfaces and have even running falls to all drainage points.

#### Garden Areas

- $^{\ast}$  All garden areas are to be filled with 250mm depth of weed free top quality garden soil which has been treated with spent mushroom compost.
- \* Proivde a minimum 75mm depth of pine bark flakes or selected leaf mulch to all garden beds. \* All new tress shall be double stalked using underwood stakes (1800mm x 25 x 25mm) and double tied with hessain webbing.

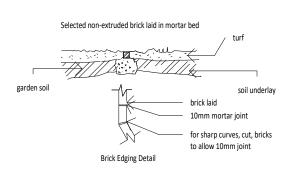
#### **General Notes**

- $\ensuremath{^{*}}$  Prior to the commencent of any site works, all existing trees to be retained shall be enclosedwith protective fencing to prevent them being damaged during the construction period.
- \* All finished levels are to be verified by the builder on site. \* All landscaping work to be in strict accordance to councils/privated certifiers code and

*This drawing is to be read in conjuction with all submitted archite
* Hydraulics and engineering drawings where applicable.

			T	
Botanic Name	Common Name	Quantity	Staking	Size
<u>Trees</u>				
<u>Shrubs</u>				

hardwood stakes		
		hessain webbing
		mulch
		garden soil
cultivated subgrade	Tree Planting Detail	



NOTE:

\*Architectural documents are to be read in conjunction with relevant structural, fire service, mechanical, hydrautic, electrical, civil and landscaping documents.

\*De not scale drawings. Les figured dimensions only, Inform Architect of any conflict between site conditions and documents. Contractor to verify all dimensions on site efore commencing work.

\*Any extra work entailed hereafter must be claimed and approval obtained befor proceeding otherwise on extra wall allowed for.

\*All materials, appliances, fittings and finishes are to be installed in accordance with the relevant Codes & Standards

\*These drawings are not to be used for construction unless drawings are stamp endorsed by Building Surveyor.

| CONSULTANTS:

REV DATE DESCRIPTION INITIAL A 06.01.22 Initial Design Khaled B 07.01.22 Submission

**DRAWING TITLE:** Concept Landscape Plan DRAWN BY: K.Kabbout M.Shafie CHECKED BY:

COUNCIL AREA: Canterbury-Bankstown Council

LOT: C | SEC: **DP:**321575 | SITE ADDRESS:163 Bexley Road, Kingsgrove **CLIENT:** Kalvin

**ISSUED FOR:** Issued for DA PROJECT TYPE: Residential

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Reg #: 2125/16 SCALE: As indicated DATE: Jan 2022 REV: B SHEET NO: 05.0

Window Schedule						
Mark	Location	Window Style	Height	Width	Material	Glazing
W1	Living Room	Double Hung	1800	600	Aluminum	Clear
W2	Living Room	Double Hung	1800	600	Aluminum	Clear
W3	Dining	Slide	900	1810	Aluminum	Clear
W4	Bedroom	Slide	900	1810	Aluminum	Clear
W5	Bedroom	Slide	900	1810	Aluminum	Clear
W6	Bathroom	Slide	943	610	Aluminum	Obscure
W7	Bathroom	Slide	943	610	Aluminum	Obscure
W8	Studio	Double Hung	1800	600	Aluminum	Clear
W9	Studio	Double Hung	1800	600	Aluminum	Clear
W10	Studio	Slide	900	1810	Aluminum	Clear
W11	Kitchen	Slide	900	1810	Aluminum	Clear

Door Schedule						
Mark	Location	Frame Type	Height	Width	Finish	Frame Material
D1	A- Granny Flat FL	Aluminum	2143	2290	Glass	Aluminum
D2	A- Granny Flat FL	Timber	2100	1200	Timber	Timber
D3	A- Granny Flat FL	Timber	2100	720	Timber	Timber
D4	A- Granny Flat FL	Timber	2100	720	Timber	Timber
D5	A- Granny Flat FL	Timber	2100	720	Timber	Timber
D6	A- Granny Flat FL	Timber	2100	820	Timber	Timber
D7	A- Granny Flat FL	Timber	2100	720	Timber	Timber

FINISHING SCHEDULE			
EXTERNAL WALLS  AUSTRAL BRICK - EVERDAY LIFE FREEDOM OR SIMILAR	ROOF COLORBOND IRONSTONE OR SIMILAR	ALUMINUM WINDOWS AND DOORS POWDER COATED ALUMINUM BLACK	FACSIA & GUTTER COLORBOND BLACK

NOTE:
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service, mechanical, hydraulic, electrical, civil and landscaping documents.
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between site condiitons and documents. Contractor to verify all dimensions on site et
commencing work.
*Any extra work entailed hereafter must be claimed and approval obtained befor

CONSULTANTS:

REV DATE DESCRIPTION INITIAL A 06.01.22 Initial Design Khaled B 07.01.22 Submission Khaled

**DRAWING TITLE:** Schedules DRAWN BY: K.Kabbout M.Shafie CHECKED BY: LOT: C | SEC: **DP:**321575

COUNCIL AREA : Canterbury-Bankstown Council

| SITE ADDRESS:163 Bexley Road, Kingsgrove CLIENT: Kalvin

SCALE:

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