



Reference number 4745

#### Member of the Fire Protection Association of Australia

# Lot 2, DP 210657, 24 Ogilvy Road, Clontarf, NSW 2093.

Wednesday, 11 September 2024

Prepared and certified by:	Matthew Willis  BPAD – Level 3  Certified Practitioner  Certification No:  BPD-PA 09337	Math history	11/09/2024 11/04/2025
Can this proposal comply with AS3959-2018 (inc section 7.5, 7.5.1,7.5.2, 7.5.3, 7.5.4 (where applicable) of the Rural Fire Services document Planning for Bushfire Protection 2019)?		Yes	
What is the recommended AS 3959-2018 level of compliance?		BAL-40 and BAL-29	
Can this development comply with the requirements of PBP?		Yes	
Plans by "Archisoul Architects" (Appendix 1) dated.		2/4/2025	

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### **Bushfire Planning Services**

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# **Bushfire Risk Assessment**

Wednesday, 11 September 2024

#### Contact

Harrison Dumesich Archisoul Architects Unit 23/28-34 Roseberry Street Balgowlah NSW 2093 9976 5449

#### **Subject Property**

Lot 2, DP 210657 24 Ogilvy Road Clontarf NSW 2093





#### BUSHFIRE RISK ASSESSMENT CERTIFICATE

# THIS FORM IS TO BE COMPLETED BY A RECOGNISED CONSULTANT IN BUSHFIRE RISK ASSESSMENT IN ACCORDANCE WITH SECTION 4.14 OF THE ENVIRONMENTAL PLANNING AND ASSESSMENT ACT.

Property Address	Lot 2, DP 210657, number 24 Ogilvy Road Clontarf
Description of the Proposal	Construction of a new dwelling
Plan Reference	23/7/24
BAL Rating BAL-40 and BAL-29	
Does the Proposal Rely on Alternate Solutions?	Yes

**I, Matthew Willis of Bushfire Planning Services Pty Ltd** have carried out a bushfire risk assessment on the above-mentioned proposal and property. A detailed Bushfire Assessment Report is attached which includes the submission requirements set out in Planning for Bushfire Protection 2019 together with recommendations as to how the relevant Specifications and requirements are to be achieved.

I hereby advise, in accordance with Section 4.14 of the Environmental Planning and Assessment Act 1979 No 203:

- 1. That I am a person recognised by the NSW Rural Fire Service as a qualified consultant in bushfire risk assessment; and
- 2. That subject to the recommendations contained in the attached Bushfire Risk Assessment Report the proposed development conforms to the relevant specifications and requirements\*
- \*The relevant specifications and requirements being specifications and requirements of the document entitled Planning for Bush Fire Protection prepared by the NSW Rural Fire Service in co-operation with the Department of Planning and any other document as prescribed by Section 4.14 of the Environmental Planning and Assessment Act 1979 No 203.

I am aware that the Bushfire Assessment Report, prepared for the above-mentioned site is to be submitted in support of a development application for this site and will be relied upon by Northern Beaches Council as the basis for ensuring that the bushfire risk management aspects of the proposed development have been addressed in accordance with Planning for Bushfire Protection 2019.

REPORT REFERENCE	Wednesday, 11 September 2024	
REPORT DATE	Wednesday, 11 September 2024	
CERTIFICATION NO/ACCREDITED SCHEME	FPAA BPAD A BPD-PA 09337	

#### Attachments:

- Bushfire Risk Assessment Report
- Recommendations

SIGNATURE: --- Nathing ----- DATE: ---- Wednesday, 11 September 2024





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# 1 Executive Summary.

Bushfire Planning Services has been requested to supply a Bushfire Risk Assessment on Lot 2, DP 210657, number 24 Ogilvy Road Clontarf.

Assessing the site using the "normal" assessment methodology generally used for bushfire assessment results in this proposal being determined to be within the Flame Zone of a small, area of foreshore vegetation to the south-west of the subject lot.

Given the location of this proposal, size and shape of the mapped hazard, a Flame Zone result is considered to be excessive and would pose an unnecessary cost and design impost upon the proponent.

The hazard itself is an elongated remnant of foreshore vegetation running along the northern face of middle harbour to the south and well-established residential development along the mapped hazards northern interface and beyond.

At its closest point, the mapped hazard itself is an area of Sydney Coastal Lily-Pilly Palm Gallery Rainforest situated around a small gully which runs downhill, north to south past the subject lot to the waters of Middle Harbour.

From a risk perspective the chances of the vegetation in the area carrying a bushfire of any significance are considered to be slim. I was unable to find any recorded fire history for the mapped hazard with the nearest recorded fires over 3 km away to the east and north.

To justify a realistic outcome for this proposal the Short Fire Run methodology created by the RFS has been used. Multiple different fire scenarios could be used for the purposes of this assessment, some would create a similar outcome to the "normal" assessment methodology while some would create an outcome with a lesser intensity than the design fire/scenario used in this assessment.

It is considered that the assessment methodology and variables used in this assessment are logical and also provide a common-sense and realistic outcome for this proposal.

The works proposed for the subject lot are for the construction of a new dwelling, see attached plans for details.

The subject lot is on the northern side of Ogilvy Road and at its closest point to the hazard the proposed new work has a separation distance to the south of approximately 16m.

The vegetation that is considered to be the hazard to this proposal is situated on land that slopes down slope away from the property at an angle of approximately 13.02 degrees.

For the purposes of this assessment this vegetation is considered to be Rainforest.

The remaining vegetation within the study area is contained within the boundaries of established allotments and is managed land and of low threat to this proposal.





The calculations and assumptions outlined in this report show that the development will be required to comply with the construction requirements of AS 3959-2018 BAL-40 on its exposed southern, eastern and western aspects, and BAL-29 on the northern aspects and any additional construction requirements contained within section 7.5, 7.5.1,7.5.2, 7.5.3, 7.5.4 (where applicable) of the Rural Fire Services document Planning for Bushfire Protection 2019.

The following table is a summary of the pertinent findings of this assessment.

Aspect North		East	South	West	
Vegetation Managed land		Managed land	Managed land/rainforest	Managed land	
Slope N/A		N/A	10-15 degrees downslope N/A		
Setback N/A within lot 2		N/A	6m	N/A	
Setback outside lot 2		N/A	10m	N/A	
Total setback N/A		N/A	16m	N/A	
Bal level	Bal level N/A		BAL-40 <sup>1</sup>	N/A	

Note: The above table is a summary of the significant variables used to determine the highest BAL for this proposal. THIS TABLE IS NOT INTENDED FOR CONSTRUCTION!

Only the highest BAL level is shown, aspects marked as N/A will still have a BAL. Refer to section 11 for construction requirements for these other aspects.

#### 2 General.

This proposal relates to the construction of a new dwelling on the subject lot and its ability to comply with the rules and regulations for building in a bushfire prone area.

The methodology used on this report is based on Planning for Bushfire Protection 2019 (PBP) as published by the New South Wales Rural Fire Service.

Any wording that appears in *blue italics* is quotes from Planning for Bushfire Protection 2019. Some of the measurements used in this report have been taken from aerial photographs and as such are approximate only.

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<sup>&</sup>lt;sup>1</sup> By method 2 and SFR calculations.





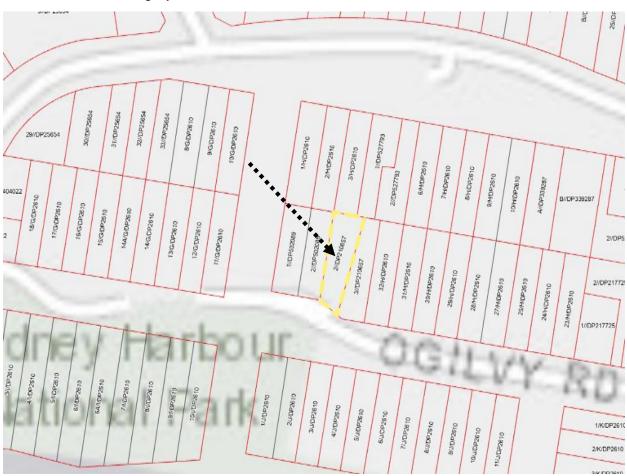
# 3 Block Description.

The subject block is situated on the northern side of Ogilvy Road in an established area of Clontarf.

The lot currently contains a multi-level class 1 dwelling.

The lands surrounding the proposed site on the subject lot to a distance of at least 16m contain existing development or land that is otherwise not considered to be a significant bushfire hazard.

- Lot; 2
- DP; 210657.
- LGA; Northern Beaches.
- Area; 470.1m2.
- Address; 24 Ogilvy Road, Clontarf.



Map 1 shows the cadastral layout around the subject lot.







Map 2 is an extract from the councils' bushfire prone land map. The map shows lot 2 to be within the buffer zone of category 1 and 2 bushfire vegetation.

# 4 Vegetation.

The study area for the vegetation is 140m surrounding the subject block.

The vegetation within the study area for this development is considered to be largely managed land.

The only potential hazard to this development is the vegetation within an area of undeveloped land to the south and to a lesser degree to the west.

The larger area of vegetation to the south has been identified as Sydney Coastal Lilly Pilly Palm Gallery Rainforest which is a Northern Warm Temperate Rainforest and has a vegetation form of Rainforest. Further to the east is an area of Sydney Coastal Sandstone Foreshore Forest.

For the purpose of assessment area of Coastal Lily Pilly Palm Gallery Rainforest is considered to be the more significant hazard proposal.





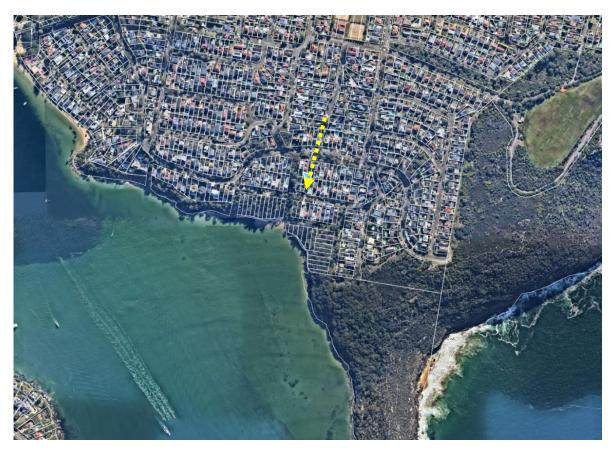


Photo 1 - An overview of the vegetation within the general area.



Photo 2 is a closer view of the vegetation in the area.





Table 1 outlines the vegetation orientation and distance from the development area.

Aspect	North	East	South	West
Vegetation type	Managed land	Managed land	Managed land/rainforest	Remnant
Setback within lot 2	N/A	N/A	6m	N/A
Off-site setback	N/A	N/A	10m	N/A
Total setback N/A		N/A	16m	N/A

Table 1 - Any aspect marked with "N/A" in the table above indicates that it is considered there is none or only a secondary hazard in that direction.

# 5 Known constraints on subject block.

I have not been informed or know of any places of cultural or environmental significance within the boundaries of the subject block. Given the nature of the surrounding land it is considered highly unlikely that anything of significance will be affected by this development.

This area has been left intentionally blank.





# 6 Slope.

The slope of the land beneath the hazard that is most likely to influence bushfire behaviour has been calculated by topographical map analysis to a distance of 100m from the subject lot. An extract of the 1 m topographical map for the area is shown below and the relevant slope analysis is shown in the embedded table.

For the purposes of this assessment the slope between the northern interface of the southern area of mapped hazard and the steep drop down to the foreshore has been used as the effective slope for this assessment, this is represented as line 1 in the following image.

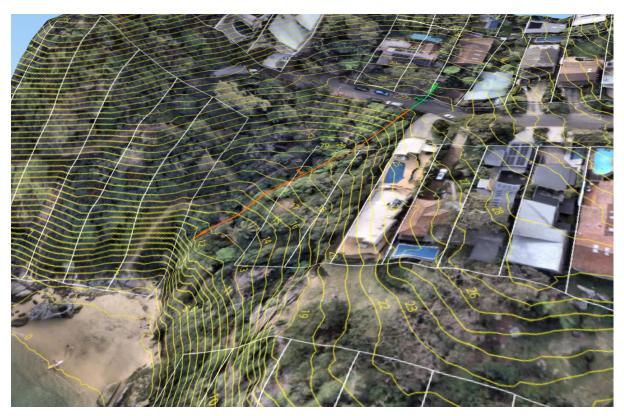
The site slope is shown as line 2.



This area has been left intentionally blank.







Map 3. The above overlaid aerial image is a 3D representation topography beneath the mapped hazard. As can be seen the effective slope is taken from the 12 m contour up to the hazard interface to the north.

This area has been left intentionally blank.



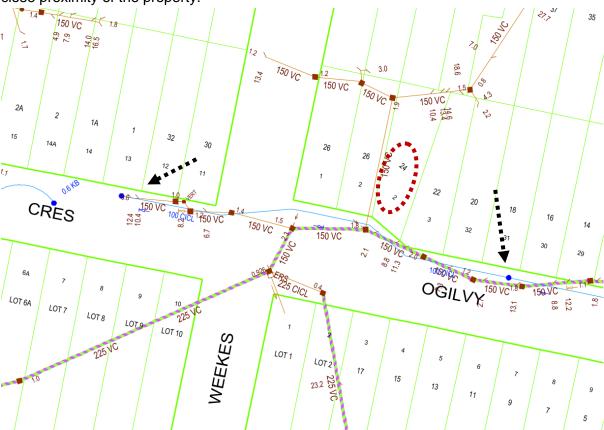


#### 7 Utilities.

#### **7.1** Water.

The subject block will be serviced by a reticulated water supply.

The following map is an extract from Sydney waters hydrant map. Hydrants are indicated by a blue dot on a blue line. As can be seen there is at least one hydrant point indicated within close proximity of the property.



# 7.2 Electricity

Main's electricity is available to the block.

#### 7.3 Gas

It is unknown if gas is to be altered or installed in this proposal.

# 8 Access/Egress.

Access to the development site will be via a short private driveway from Ogilvy Road.

All roads in the vicinity are considered to be capable of carrying emergency services vehicles and pedestrian access onto the lot is also considered to be adequate.





# Analysis of development and recommendation.

# 9 Expected fire behaviour.

For the purposes of this assessment the fire behaviour is considered to be a fire starting on the foreshore, moving up the first 12m of steep land and then continuing to the north towards the subject lot. The fire then would be influenced by the slope between the 12 and 27m contours until it reached the hazard/managed land interface.

The vegetation to the west of the subject lot has also been considered however it has been discounted as a secondary hazard as it produced a lower outcome than the hazard used in this assessment.

#### 10 Compliance with Planning for Bushfire Protection.

As previously mentioned, this assessment utilises the RFS developed Short Fire Run Methodology. This methodology utilises Method 2 of AS 3959 and incorporates an allowance for limited fire growth due to the size of the hazard and its distance for fire run potential.

This methodology produces more realistic outcomes for small areas of vegetation.

The variables used in this assessment are:

- > FDI for the Greater Sydney area = 100.
- Vegetation fuel loads = Surface fuel of 10 ton per hectare with a total fuel loading of 13.2 ton per hectare.
- Elevated fuel height = 2 m
- Slope beneath hazard = 13.02° downslope.
- > Site slope = 8.38° downslope.
- Elevation of the receiver = 5.47 m (peak).
- Flame width = 23.79 m

The following table shows the variables and outcomes of the method 2 calculations incorporating the Short Fire Run methodology.





Site Street Address: 24 O gilvy R oad, Clontarf

Assessor: Matthew Willis; Bushfire Planning Services

Local Government Area: Northern Beaches Alpine Area: No

Equations Used

Transmissivity: Fuss and Hammins, 2002 Flame Length: RFS PBP, 2001/Vesta/Catchpole

Rate of Fire Spread: Noble et al., 1980

Radiant Heat: Drysdale, 1985; Sullivan et al., 2003; Tan et al., 2005

Peak Elevation of Receiver: Tan et al., 2005

Peak Flame Angle: Tan et al., 2005

Run Description: South

Vegetation Information

Vegetation Type: Rainforest

Vegetation Group: Forest and Woodland

Vegetation Slope: 13.02 Degrees Vegetation Slope Type: Downslope

Surface Fuel Load(t/ha): 10 Overall Fuel Load(t/ha): 13.2

Vegetation Height(m): 2 Only Applicable to Shrub/Scrub and Vesta

Site Information

Site Slope: 8.38 Degrees Site Slope Type: Downslope

Elevation of Receiver(m): default APZ/Separation(m): 16

Fire Inputs

Veg./Flame Width(m): 23.79 Flame Temp(K): 1090

Calculation Parameters

Flame E missivity: 95 Relative Humidity(%): 25
Heat of Combustion(kJ/kg) 18600 Ambient Temp(K): 308
Moisture Factor: 5 FDI: 100

**Program Outputs** 

Level of Construction: RALEZ Peak Elevation of Receiver(m): 5.47

Radiant Heat(kW/m²): 38.16 Flame Angle (degrees): 44

Flame Length(m): 22.38 Maximum View Factor: 0.576
Rate Of Spread (km/h): 2.95 Inner Protection Area(m): 16
Transmissivity: 0.871 Outer Protection Area(m): 0

Fire Intensity(kW/m): 20097

As can be seen the expected radiant heat level using the Short Fire Run methodology has resulted in an expected heat level of less than 40km/2 making the appropriate BAL for this proposal BAL-40.

# 11 Siting.

The current site provides adequate separation between the proposed building and surrounding vegetation for a compliant structure to be built.

#### Recommendation;

Nil.





# 12 Construction and design.

All new work is to be undertaken in accordance with the relevant requirements of the NCC and AS3959 2018. The following recommendations are a minimum level of construction. Constructing the proposal to a higher level than that recommended is allowable under AS3959.

Recommendation; all new work to the southern, eastern and western aspects.

- 1. New construction on the southern, eastern and western aspects shall comply with the requirements of section 3 of Australian Standard AS3959-2018 "Construction of buildings in bush fire-prone areas" and,
- 2. New construction on the southern, eastern and western aspects shall also comply with the requirements of BAL-40 Australian Standard AS3959-2018 "Construction of buildings in bush fire-prone areas" or NASH Standard "National Standard Steel Framed Construction in Bushfire Areas" and any additional construction requirements contained within section 7.5, 7.5.1,7.5.2, 7.5.3, 7.5.4 (where applicable) of the Rural Fire Services document Planning for Bushfire Protection 2019.

Recommendation; all new work to the northern aspect.

- 3. New construction on the northern aspects shall comply with the requirements of section 3 of Australian Standard AS3959-2018 "Construction of buildings in bush fire-prone areas" and,
- 4. New construction on the northern aspects shall also comply with the requirements of and BAL-29 Australian Standard AS3959-2018 "Construction of buildings in bush fire-prone areas" or NASH Standard "National Standard Steel Framed Construction in Bushfire Areas" and any additional construction requirements contained within section 7.5, 7.5.1,7.5.2, 7.5.3, 7.5.4 (where applicable) of the Rural Fire Services document Planning for Bushfire Protection 2019.
- 5. New roofing valleys and guttering should be fitted with a non-combustible leaf protection to stop the accumulation of debris.

AS-3959 2018 is available as PDF from;

https://infostore.saiglobal.com/en-au/standards/as-3959-2018-122340\_saig\_as\_as\_2685241/

#### 13 Utilities.

#### 13.1 Water.

The proposed development will have access to a reticulated water supply. There is at least one hydrant indicated within the required distance from the dwelling.

Recommendation;

Nil.





# 13.2 Electricity and Gas.

#### Recommendation:

6. Any new electricity or gas connections are to comply with the requirements of table 7.4a of Planning for Bushfire Protection.

# 14 Asset Protection Zone (APZ).

The Asset Protection Zone is "An area surrounding a development managed to reduce the bushfire hazard to an acceptable level. The width of an APZ will vary with slope, vegetation and construction level".

#### Recommendation;

7. At the commencement of building works and in perpetuity the entire property shall be managed as an Asset Protection Zone in accordance with the requirements of Planning for Bushfire Protection, the RFS document Standards for Asset Protection Zones and in a manner that does not create a bushfire hazard to the property.

#### 15 Landscaping.

#### Recommendation;

8. Any new fencing is to be constructed in accordance with section 7.6 of Planning for Bushfire Protection 2019.

- 9. Any new landscaping to the site is to comply with the principles of Appendix 4 and section 3.7 of Planning for Bush Fire Protection 2019. In this regard the following landscaping principles are, where applicable, to be incorporated into the development<sup>2</sup>:
  - Suitable impervious areas being provided immediately surrounding the building such as courtyards, paths and driveways;
  - Grassed areas/mowed lawns/ or ground cover plantings being provided in close proximity to the building;
  - Restrict planting in the immediate vicinity of the building which may over time and
    if not properly maintained come in contact with the building;
  - Maximum tree cover should be less than 30%, and maximum shrub cover less than 20%;
  - Planting should not provide a continuous canopy to the building (i.e. trees or shrubs should be isolated or located in small clusters);
  - When considering landscape species consideration needs to be given to estimated size of the plant at maturity;

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<sup>&</sup>lt;sup>2</sup>Refer to referenced documents for a complete description.





- Avoid species with rough fibrous bark, or which retain/shed bark in long strips or retain dead material in their canopies;
- Use smooth bark species of trees species which generally do not carry a fire up the bark into the crown;
- Avoid planting of deciduous species that may increase fuel at surface/ ground level (i.e. leaf litter);
- Avoid climbing species to walls and pergolas;
- Locate combustible materials such as woodchips/mulch, flammable fuel stores away from the building;
- Locate combustible structures such as garden sheds, pergolas and materials such timber garden furniture way from the building; and
- Use of low flammability vegetation species.

# 16 Constraints on the subject block.

None known.

Recommendation;

Nil

# 17 Access/Egress.

All roads in the area are considered to be capable of handling emergency service vehicles. Access from the roadway onto the property is also considered to be adequate for firefighting purposes.

#### Recommendation

Nil

# 18 Compliance or non compliance with the specifications and requirements for bushfire protection measures.

APZ A defendable space is provided onsite. An APZ is provided and maintained for the life of the development.	Achievable with the implementation of the recommendations in section 13
SITING AND DESIGN: Buildings are sited and designed to minimise the risk of bush fire attack.	Achievable with the implementation of the recommendations in section 10





CONSTRUCTION STANDARDS:  It is demonstrated that the proposed building can withstand bush fire attack in the form of wind, smoke, embers, radiant heat and flame contact.	Achievable with the implementation of the recommendations in section 11
ACCESS	
Safe, operational access is provided (and maintained) for emergency services personnel in suppressing a bush fire while residents are seeking to relocate, in advance of a bush fire, (satisfying the intent and performance criteria for access roads in sections 4.1.3 and 4.2.7).	Achievable with the implementation of the recommendations in section 16
WATER AND UTILITY SERVICES:	
<ul> <li>adequate water and electricity services are provided for firefighting operations</li> <li>Gas and electricity services are located so as not to contribute to the risk of fire to a building.</li> </ul>	Achievable with the implementation of the recommendations in section 12
LANDSCAPING:	
it is designed and managed to minimise flame contact and radiant heat to buildings, and the potential for wind driven embers to cause Ignitions.	Achievable with the implementation of the recommendations in section 14

#### 19 Conclusions.

Based on the above report and with the implementation of the recommendation contained within this report the consent authority should determine that this development can comply with the requirements of AS 3959-2018 and 'Planning for Bushfire Protection' guidelines.

The recommendations contained within this report are to be implemented in their entirety. Changing one aspect may have an adverse effect on the rest of the recommendations.

Bushfires are affected by many external influences such as climactic conditions, vegetation type, moisture content of the fuel, slope of the land and human intervention to name a few and are difficult to predict.

This report does not intend to provide a guarantee that the subject property will survive if a bushfire should impact the surrounding area. The purpose of this report is to show the developments level of compliance or in some cases non-compliance with the New South Wales legislation regarding building in bushfire prone areas.

Where non-compliance is found measures will be suggested that should make the building less susceptible to the various attack mechanisms of a bushfire and comply with the performance requirements of the Building Code of Australia.

The opinions expressed in this report are based on the writers' experience and interpretation of the relevant guidelines and standards. Notwithstanding the above, these guidelines and





standards are open to interpretation. All care has been taken to ensure that the opinions expressed in this report are consistent with past successful outcomes.

Some of the information used in the compilation of this assessment has been provided by the proponent or the proponent's representatives. While we believe this information to be true and have accepted the information in good faith however this company or its representatives will not accept any responsibility if the provided information is determined to be incorrect.

This document is to assist the consenting authorities with their assessment of this proposal. The recommendations contained in this assessment reflect the normal conditions that are typically applied by the consent authority for a proposal such as this however the conditions of consent for the proposal will be supplied by the certifying authority on approval of the development and may not necessarily be the same as the recommendations of this assessment.

The recommendations in this assessment are for planning guidance only, construction details and compliance with all building requirements are the responsibility of the Architect/Designer, Builder and Certifier.

To avoid confusion, unless specifically referenced by the consenting authority, it is strongly recommended that once this proposal has been approved that this document is no longer referenced and that only the official conditions of consent as reflected in documentation by the certifying body are used for construction guidance.

If any further clarification is required for this report, please do not hesitate to contact me using the details above.

Yours Sincerely

Matthew Willis

Grad Dip Planning for Bushfire Prone Areas Bushfire Planning Services Pty Limited

Matthistin.





#### 20 References.

- Australian Building Codes Board (2019). National Construction Code Volume One -Building Code of Australia. ABCB
- Australian Building Codes Board (2019). National Construction Code Volume two -Building Code of Australia. ABCB.
- Keith, D.A. (2004). Ocean Shores to Desert Dunes: The Native Vegetation of New South Wales and the ACT. NSW Department of Environment and Conservation.
- National Association of Steel Framed Housing (2014). "Steel Framed Construction in Bush Fire Areas. NASH
- Ramsay, C and Rudolph, L (2003) "Landscape and Building Design for Bush fire Areas". CSIRO Publishing, Collingwood.
- Resources and Energy NSW (2016). ISSC 3 Guide for the Managing Vegetation in the Vicinity of Electrical Assets. NSW Government
- Rural Fire Service NSW (2005) "Standards for Asset Protection Zones"
- Standards Australia (2018). "AS 3959, Construction of buildings in bush fire prone areas".
- Standards Australia (2018). "AS/NZS 1530.8.1 Methods for fire tests on building materials, components and structures Tests on elements of construction for buildings exposed to simulated bush fire attack Radiant heat and small flaming sources".
- Standards Australia (2018). "AS/NZS 1530.8.2 Methods for fire tests on building materials, components and structures - Tests on elements of construction for buildings exposed to simulated bush fire attack - Large flaming sources".
- Standards Australia (2014). "AS/NZS 1596 The storage and handling of LP Gas".





# 21 Appendix 1 - Plans.

### **Development Application // New Dwelling**

Wednesday, 2 April 2025

APPLICANT: David and Christine LaRose 24 OGILVY ROAD CLONTARF 2093

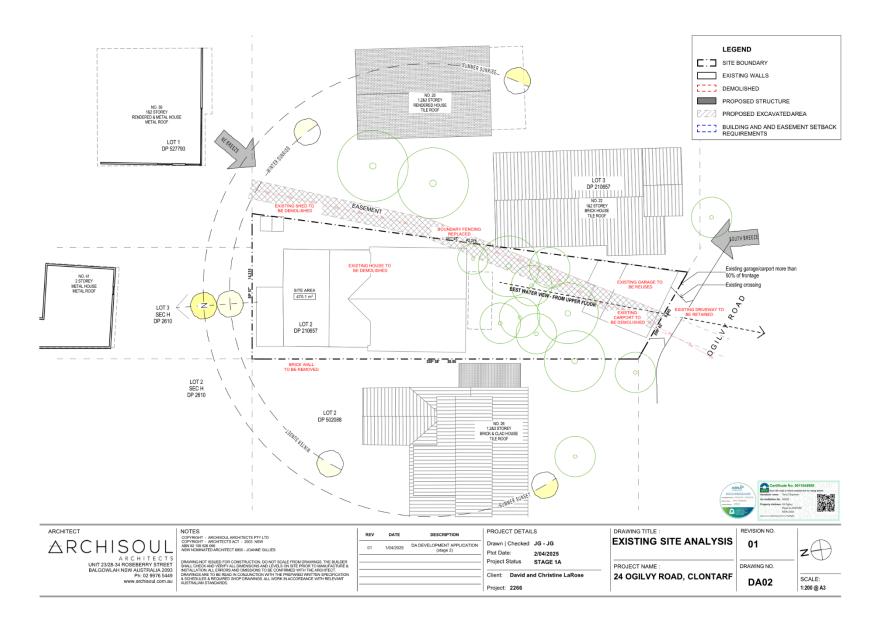
OPTION	DRAWING No.	DESCRIPTION	REV	ISSUE
DEVELOPMENT	APPLICATION (stage 2)			
	DA01	COVER PAGE	01	⊠
	DA02	EXISTING SITE ANALYSIS	01	⊠
	DA03	EXISTING SITE PHOTOS	01	⊠
	DA04	EXISTING GARAGE FLOOR PLAN	01	⊠
	DA05	EXISTING GROUND FLOOR PLAN	01	⊠
	DA06	EXISTING FIRST FLOOR PLAN	01	⊠
	DA07	EXISTING ROOF PLAN	01	⊠
	DA08	EXISTING NORTH & SOUTH ELEVATIONS	01	⊠
	DA09	EXISTING EAST & WEST ELEVATIONS	01	⊠
	DA10	DEMOLITION PLANS	01	×
	DA11	PROPOSED SITE PLAN	01	⊠
	DA12	PROPOSED FSR CALCULATION	01	×
	DA13	PROPOSED GARAGE FLOOR PLAN	01	⊠
	DA14	PROPOSED GROUND FLOOR PLAN	01	⋈
	DA15	PROPOSED FIRST FLOOR PLAN	01	⊠
	DA16	PROPOSED ROOF PLAN	01	⋈
	DA17	PROPOSED SOUTH ELEVATIONS	01	⊠
	DA18	PROPOSED EAST ELEVATIONS	01	⋈
	DA19	PROPOSED NORTH ELEVATIONS	01	×
	DA20	PROPOSED WEST ELEVATIONS	01	⋈
	DA21	PROPOSED SECTION A	01	⋈
	DA22	PROPOSED SECTION B	01	⊠
	DA23	PROPOSED SECTION C	01	⊠
	DA24	PROPOSED POOL SECTIONS	01	⊠
	DA25	HEIGHT LIMIT STUDY	01	⋈
	DA26	3D VIEWS	01	×
	DA27	3D VIEWS	01	×
	DA28	PROPOSED DOOR SCHEDULES	01	M
	DA29	PROPOSED WINDOW SCHEDULES	01	⊠
	DA30	SHADOW DIAGRAMS PLAN - SUMMER SOLTICE	01	⊠
	DA31	SHADOW DIAGRAMS 3D - WINTER SOLTICE	01	⊠
	DA32	EXTERNAL FINISHES SCHEDULE	01	⊠
	DA33	EXTERNAL FINISHES SCHEDULE	01	M
	DA34	WASTE MANAGEMENT PLAN	01	⊠

























REAR NORTH-EAST FACADE

ARCHISOUL
ARCHITECTS
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BALGOWLAH NSW AUSTRALL 2013
Ph. 10: 2976 5434
www.archisoul.com.au

DATE DA DEVELOPMENT APPLICATION (stage 2)

REAR YARD

PROJECT DETAILS Plot Date: 2/04/2025 Project Status STAGE 1A Client: David and Christine LaRose

Project: 2266

DRAWING TITLE : **EXISTING SITE PHOTOS** 

PROJECT NAME : 24 OGILVY ROAD, CLONTARF

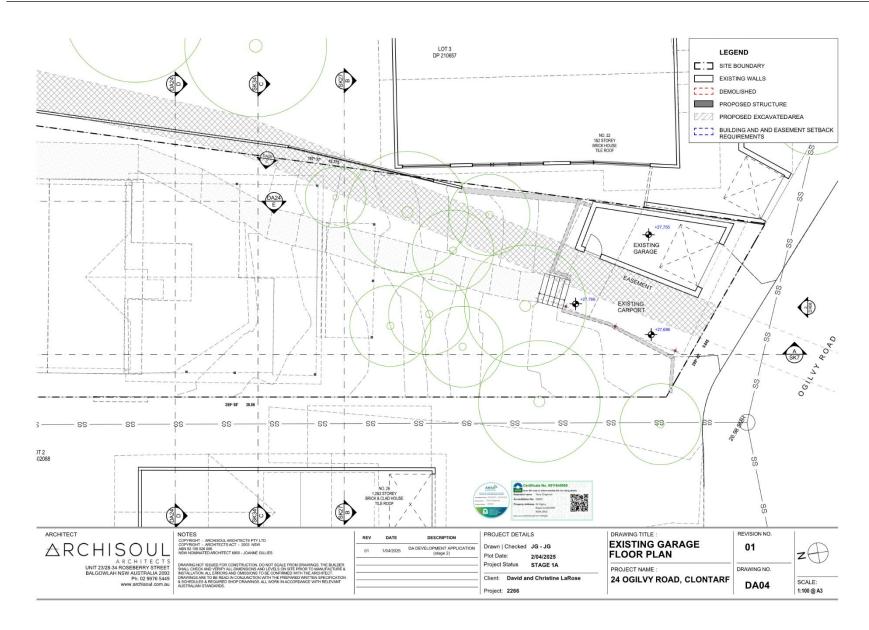
DRAWING NO. DA03

01

SCALE: @ A3

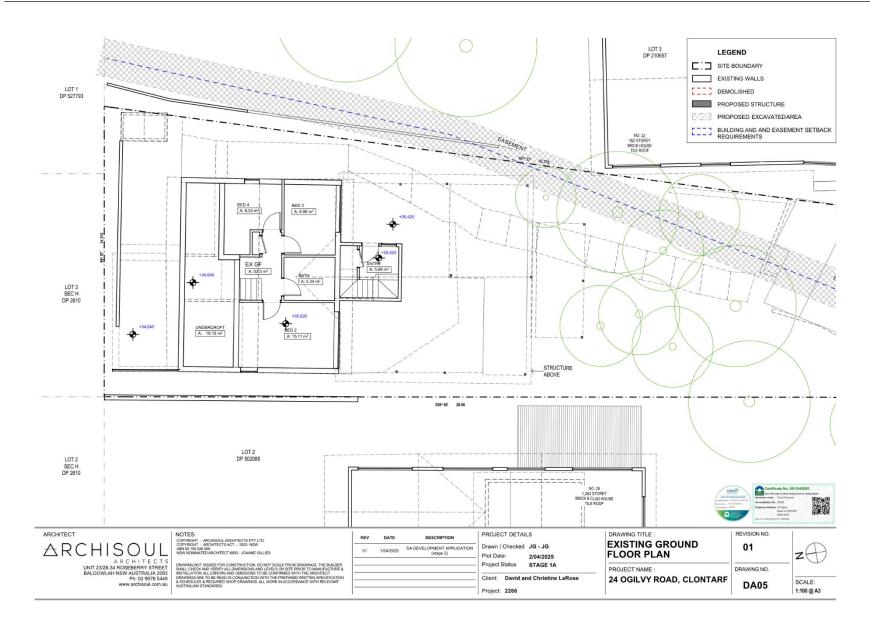






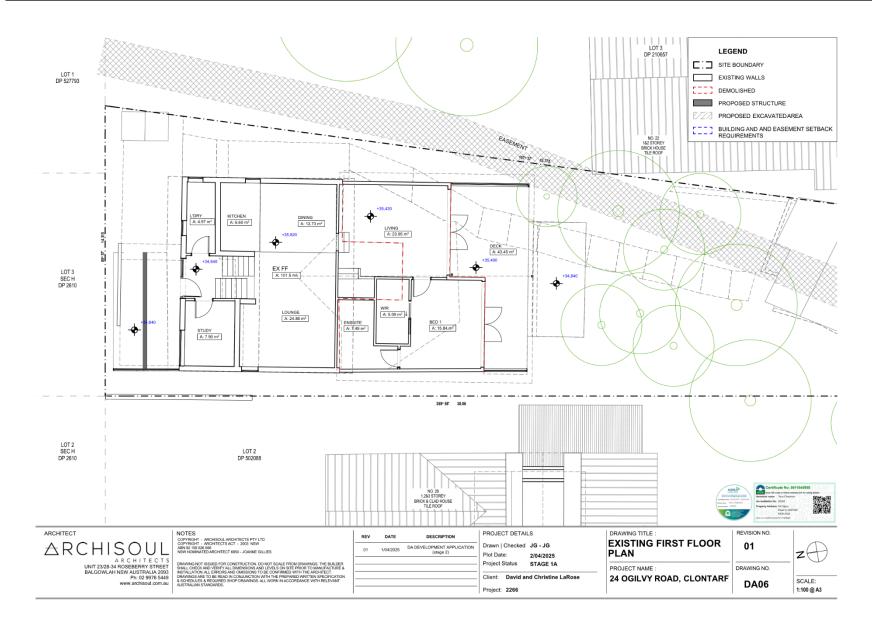






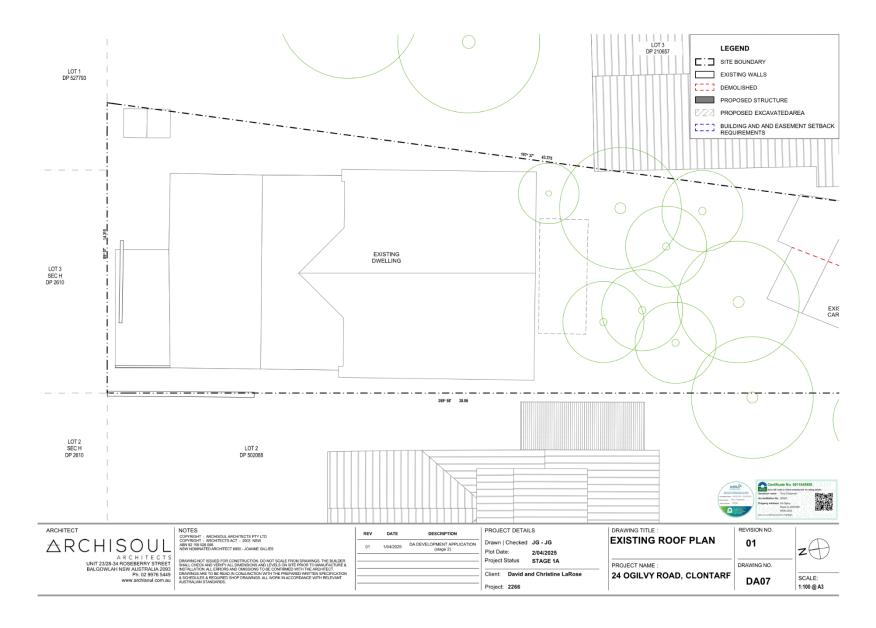






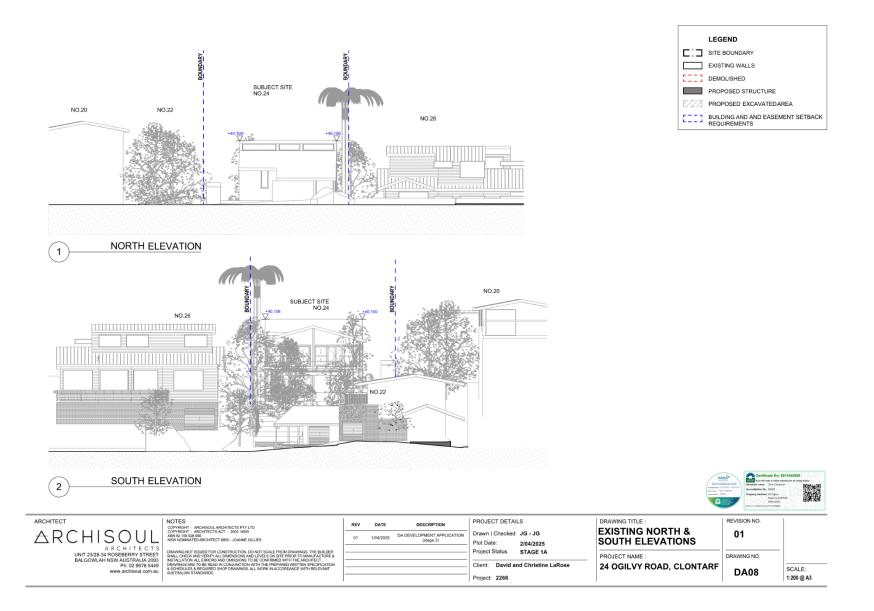






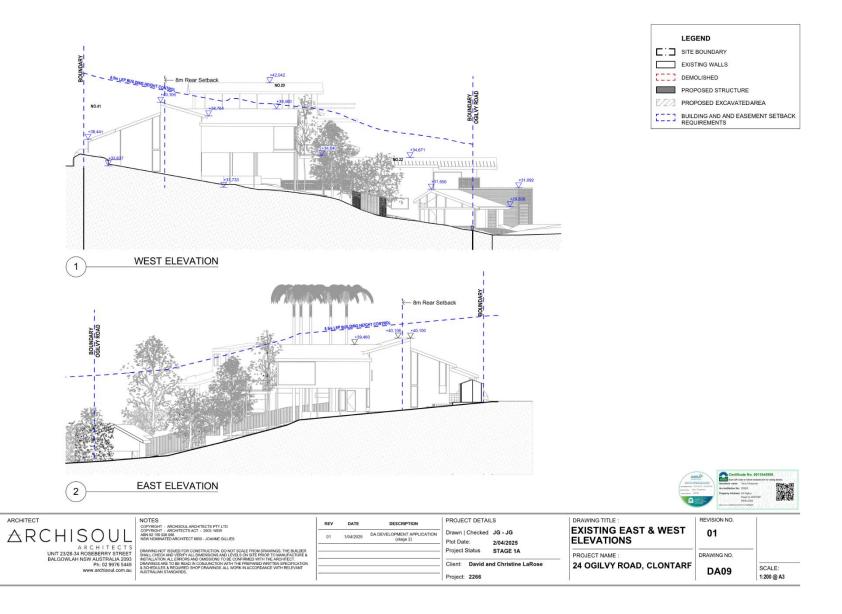






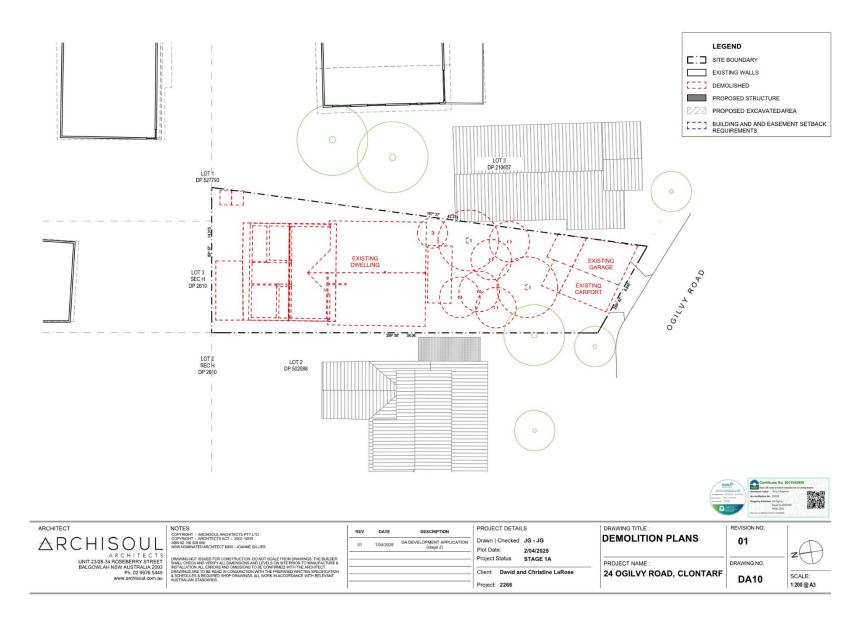






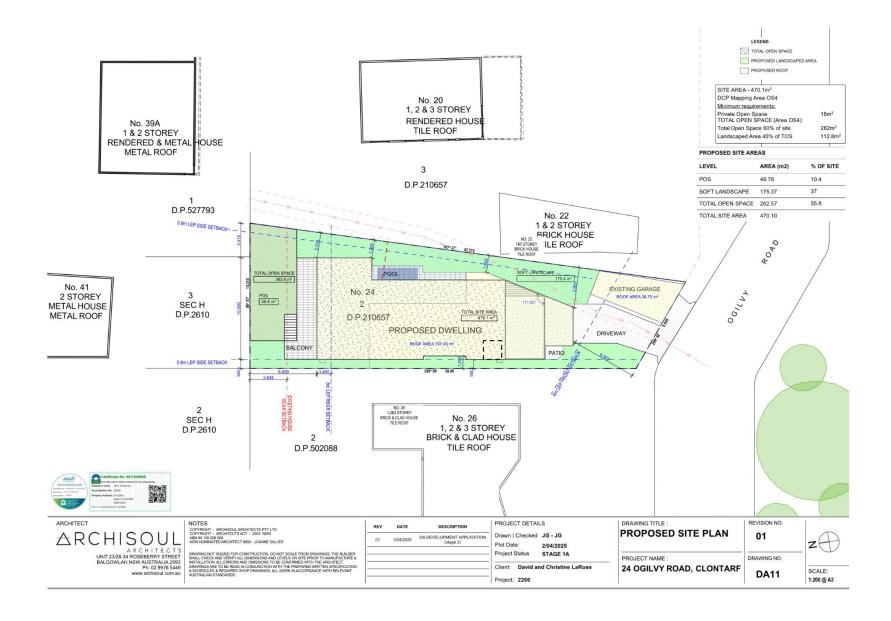






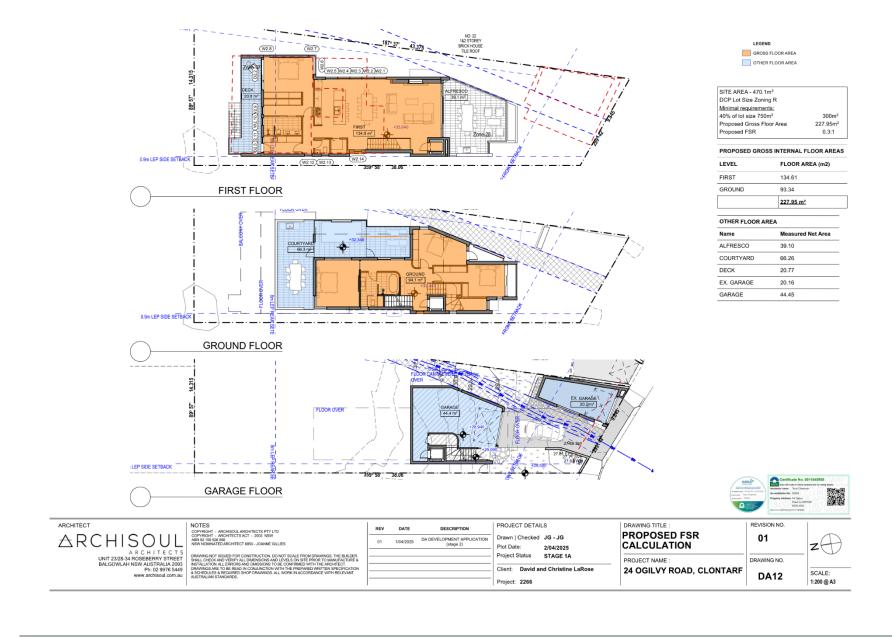






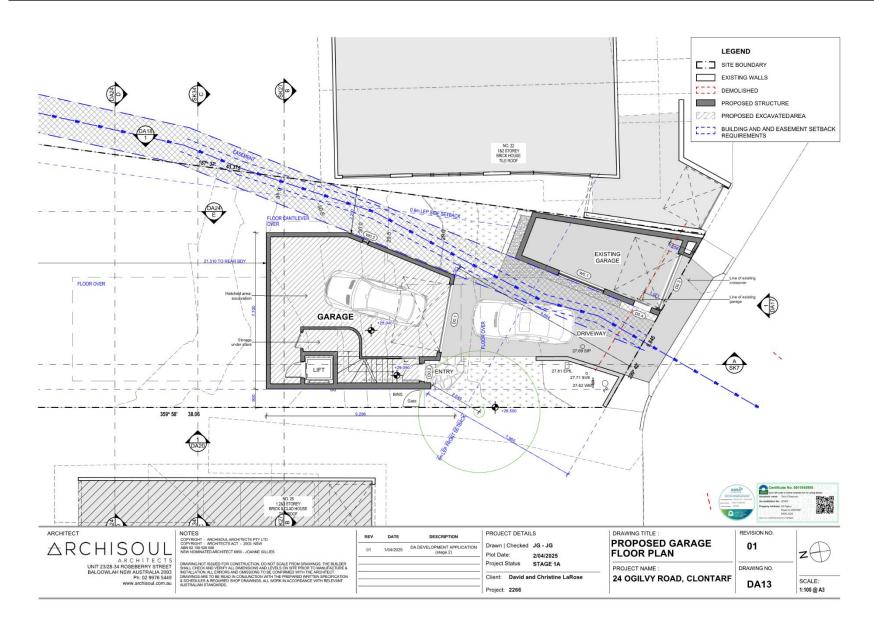






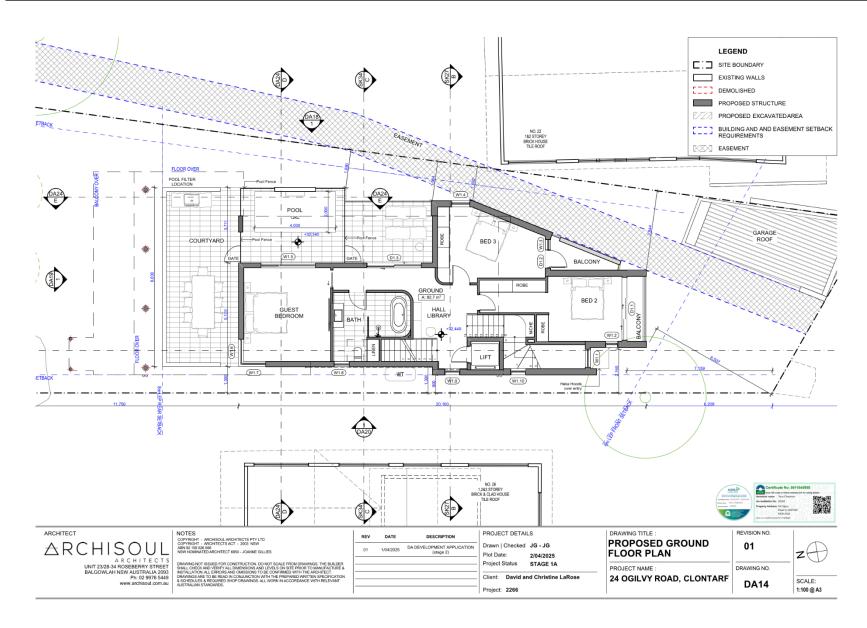






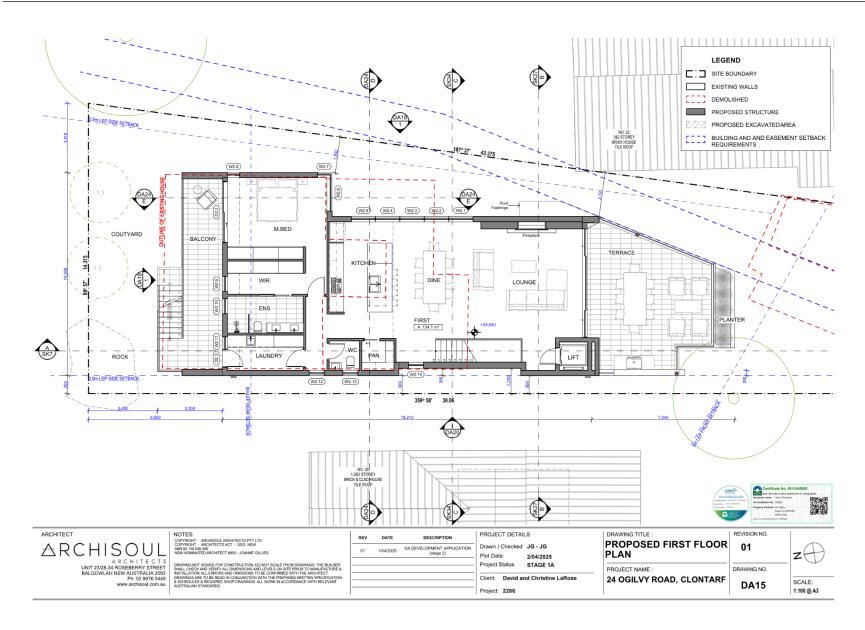






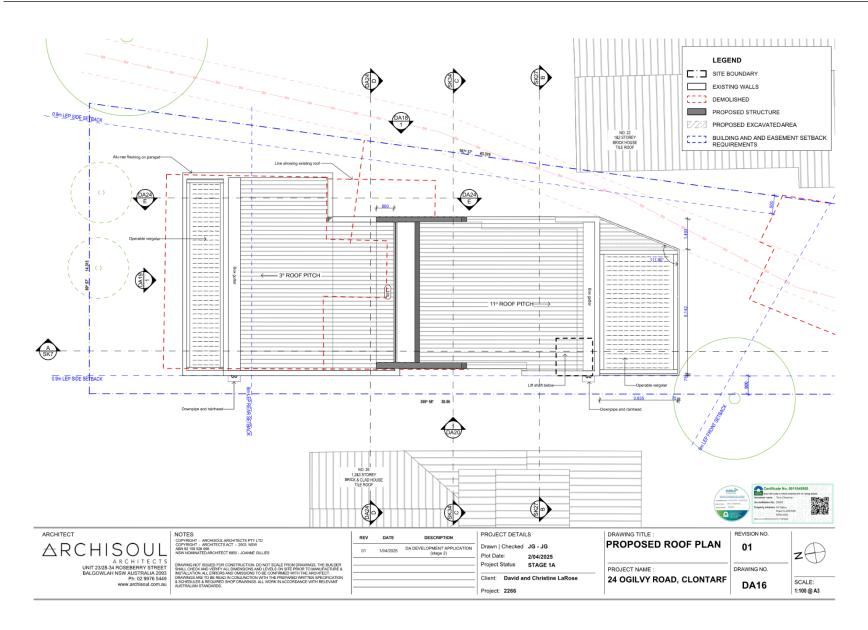






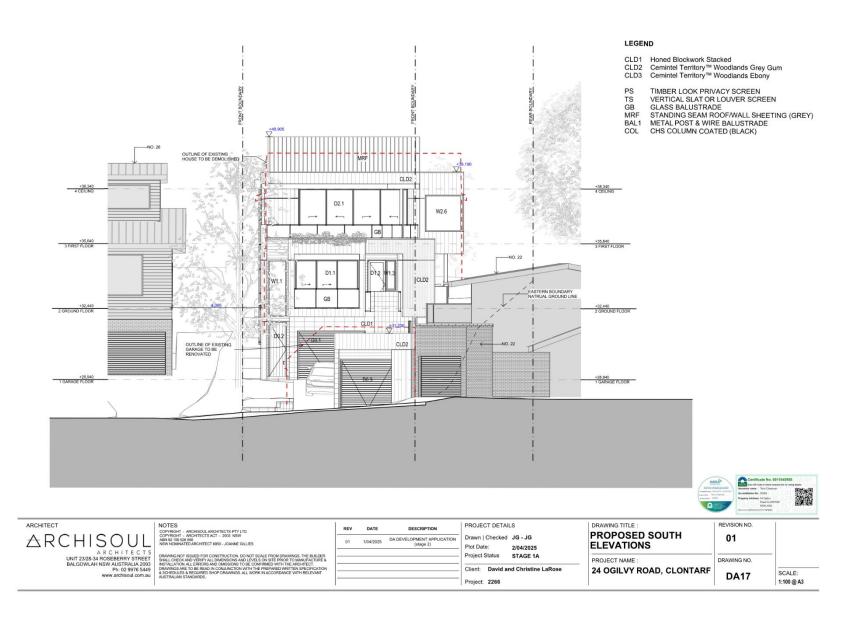






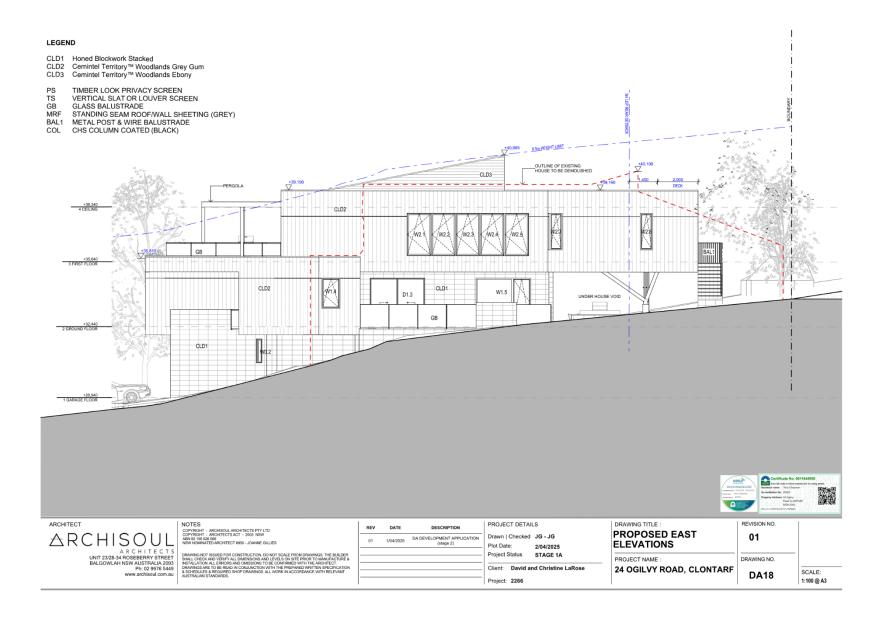






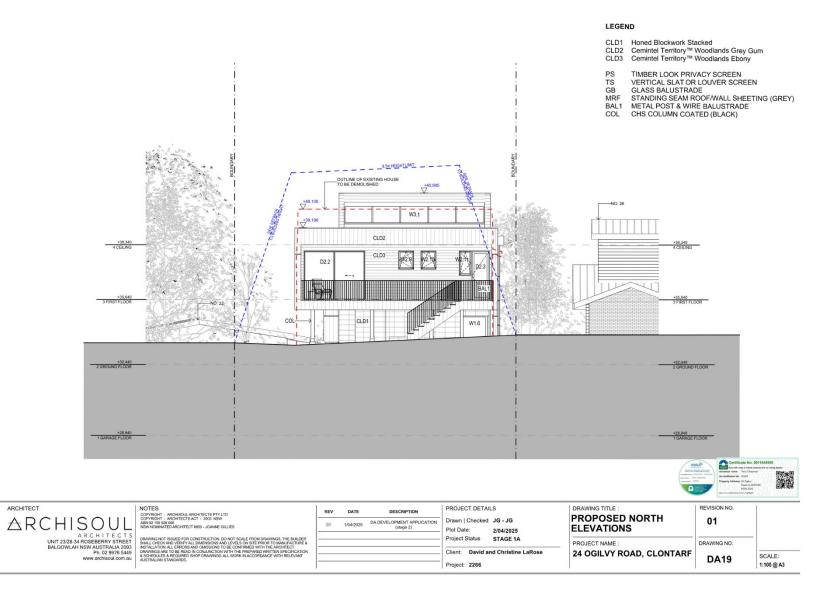






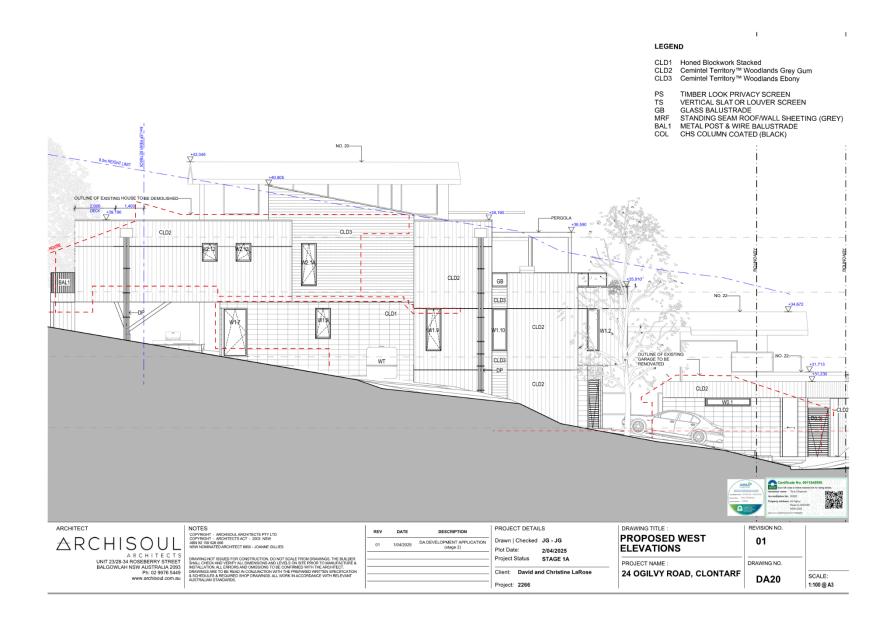






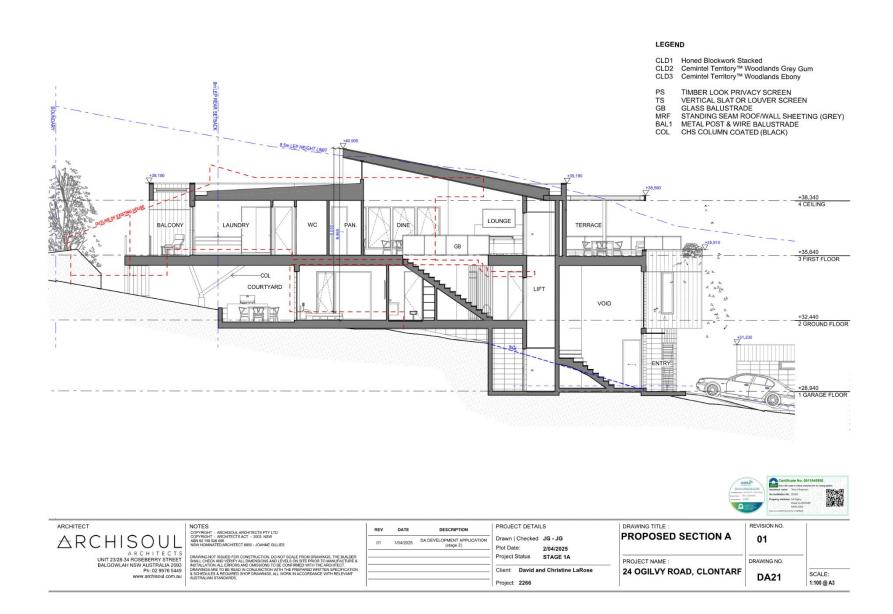






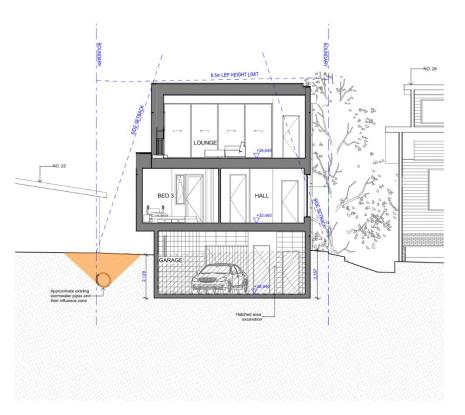












## LEGEND

CLD1 Honed Blockwork Stacked

CLD2 Cemintel Territory™ Woodlands Grey Gum CLD3 Cemintel Territory™ Woodlands Ebony

TIMBER LOOK PRIVACY SCREEN VERTICAL SLAT OR LOUVER SCREEN GLASS BALUSTRADE

TS

STANDING SEAM ROOF/WALL SHEETING (GREY)

BAL1 METAL POST & WIRE BALUSTRADE COL CHS COLUMN COATED (BLACK)

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ARCHITECTS
UNIT 23/28-34 ROSEBERY STREET
BALGOWLAH NSW AUSTRALIZED
PH: 02 9976 5449
Www.archisoul.com au

PROJECT DETAILS DATE DESCRIPTION DA DEVELOPMENT APPLICATION (stage 2) Drawn | Checked JG - JG 1/04/2025 Plot Date: 2/04/2025 Project Status STAGE 1A Client: David and Christine LaRose Project: 2266

DRAWING TITLE : PROPOSED SECTION B

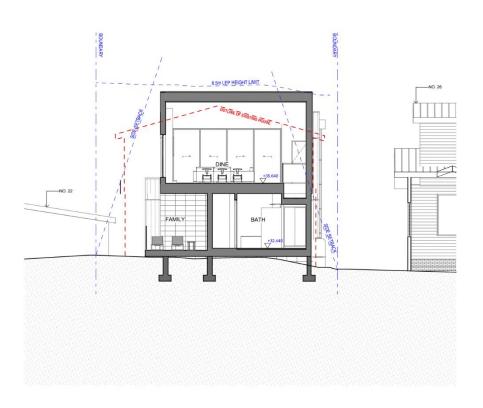
PROJECT NAME : 24 OGILVY ROAD, CLONTARF

01 DRAWING NO. SCALE: DA22

1:100 @ A3







## LEGEND

CLD1 Honed Blockwork Stacked

CLD2 Cemintel Territory™ Woodlands Grey Gum CLD3 Cemintel Territory™ Woodlands Ebony

TIMBER LOOK PRIVACY SCREEN VERTICAL SLAT OR LOUVER SCREEN GLASS BALUSTRADE TS

STANDING SEAM ROOF/WALL SHEETING (GREY)

BAL1 METAL POST & WIRE BALUSTRADE COL CHS COLUMN COATED (BLACK)



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PROJECT DETAILS DATE DESCRIPTION DA DEVELOPMENT APPLICATION (stage 2) Drawn | Checked JG - JG 1/04/2025 Plot Date: 2/04/2025 Project Status STAGE 1A Client: David and Christine LaRose Project: 2266

DRAWING TITLE : PROPOSED SECTION C

PROJECT NAME : 24 OGILVY ROAD, CLONTARF

01 DRAWING NO. SCALE: DA23

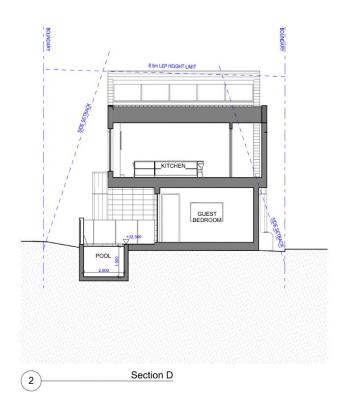
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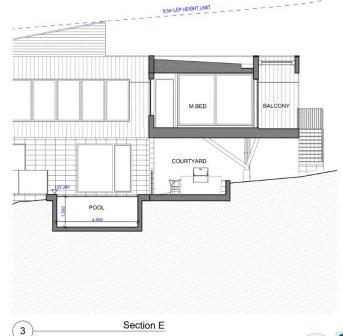




## LEGEND

- CLD1 Honed Blockwork Stacked
- CLD2 Cemintel Territory™ Woodlands Grey Gum CLD3 Cemintel Territory™ Woodlands Ebony
- TIMBER LOOK PRIVACY SCREEN VERTICAL SLAT OR LOUVER SCREEN TS
- GLASS BALUSTRADE
- STANDING SEAM ROOF/WALL SHEETING (GREY)
- BAL1 METAL POST & WIRE BALUSTRADE
- COL CHS COLUMN COATED (BLACK)





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PROJECT DETAILS DATE DESCRIPTION DA DEVELOPMENT APPLICATION (stage 2) Drawn | Checked JG - JG 1/04/2025 Plot Date: 2/04/2025 Project Status STAGE 1A Client: David and Christine LaRose Project: 2266

DRAWING TITLE : PROPOSED POOL SECTIONS

PROJECT NAME : 24 OGILVY ROAD, CLONTARF

01 DRAWING NO. SCALE: DA24

1:100 @ A3















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Drawn | Checked JG - JG

Plot Date: 2/04/2025

Project Status STAGE 1A

Project Status STAGE 1A

Client: David and Christine LaRose

Project: 2266

DRAWING TITLE :
HEIGHT LIMIT STUDY

PROJECT NAME : 24 OGILVY ROAD, CLONTARF

REVISION NO.

01

DRAWING NO.

DA25 SCALE:











View from south east



View from street (south)

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DA DEVELOPMENT APPLICATION (stage 2)

PROJECT DETAILS Plot Date: 2/04/2025 Project Status STAGE 1A Client: David and Christine LaRose Project: 2266

**3D VIEWS** PROJECT NAME : 24 OGILVY ROAD, CLONTARF

DRAWING TITLE :

REVISION NO. 01 DRAWING NO. DA26

SCALE: @ A3







Aerial view from east



Aerial view from north west



Aerial view from south

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DRIAWNS INST ESUED FOR CONSTRUCTION DO NOT SCALE FROM DRIAWNOST. THE BUILD SHILL CHECK AND VERIFY ALL DIMINIONS AND LEVELS ON SITE PRIGHT OF MANIFACTURE INSTALLATION ALL ERRORS AND OMISSIONS TO BE CONFIRMED WITH THE ARCHITECT. DRIAWNISS ARE TO BE READ IN COLUNIZON WITH THE REPRAEDE WRITE IN SECURICATION S SCHEDULES A REQUIRED SHIP DRIAWNISS. ALL WORK IN ACCORDANCE WITH RELEVANT AUSTRALIAM STANDARDS. PROJECT DETAILS

Drawn | Checked JG - JG

Plot Date: 2/04/2025

Project Status STAGE 1A

Client: David and Christine LaRose

Project: 2266

DRAWING TITLE:
3D VIEWS

PROJECT NAME:
24 OGILVY ROAD, CLONTARF

REVISION NO.

01

DRAWING NO.

DA27

SCALE





DOOR SCHEDULE							
ID	D0.1	D0.2	D0.3	D0.4	D1.1	D1.2	
TYPE	PANELIFT	HINGED	PANELIFT	SLIDING	SLIDING	HINGED	
LEVEL	GARAGE FLOOR	GARAGE FLOOR GARAGE	FLOOR ZERO GARAGE FLOOR	GARAGE FLOOR	GROUND FLOOR	GROUND FLOOR	
ROOM	GARAGE	ENTRY	GARAGE	GARAGE	BED 2	BED 3	
ELEVATION VIEW (EXTERNAL)		M				П	
,		N				N	
AREA (m2) FRAME WIDTH x HEIGHT	8.16	2.43	6.96	2.61	7.44	2.16	
(mm) ORIENTATION	3,400*2,400	900×2,700	2,900×2,400	900×2,900	3,100×2,400	900×2,400	
	SOUTH	SOUTH	SOUTH	WEST	SOUTH	SOUTH	
GLAZING	None	None	None	None	Double or Triple glazing	Double or Triple glazing	
FRAME	Aluminium	Commercial thermal heart series 804 centreglazed aluminium	Aluminium	Aluminium	Commercial thermal heart series 804 centreglazed aluminium	Commercial thermal heart series 804 centreglazed aluminium	
BASIX THERMAL BAGUISEIADHNIS REQUIREMENT	n/a	u-value of 1.8 or less & SHCG within 5% of 0.24	n/a	Timber, double clear/air fill (or U- value: 4.3, SHGC: 0.5)	u-value of 1.8 or less & SHCG within 5% of 0.24	u-value of 1.8 or less & SHCG within 5% of 0.24	
(PROJECTION / HEIGHT	None	None	None	TBC	TBC	TBC	
PAY STREENS					⊠	⊠	
BAL RATING	BAL-40	BAL-40	BAL-40	BAL-40	BAL-40	BAL-40	
NOTES							
DOOR SCHEDULE					1		
ID	D1.3	D2.1	D2.2	D2.3			
TYPE	STACKER	STACKER	STACKER	HINGED			
LEVEL	GROUND FLOOR	FIRST FLOOR	FIRST FLOOR	FIRST FLOOR	1		
ROOM	HALLWAY	LOUNGE	M.BED	LAUNDRY			
ELEVATION VIEW (EXTERNAL)	re un						
FRAME WIDTH x HEIGHT	6.48 2.700×2.400	14.45 5.350×2.700	7.20 3.000×2.400	2.16 900×2.400			
(mm) ORIENTATION	EAST	SOUTH	NORTH	NORTH	1		
GLAZING	Double or Triple glazing	Double or Triple glazing	Double or Triple glazing	Double or Triple glazing			
FRAME	Commercial thermal heart series 804 centreglazed aluminium	Commercial thermal heart series 804 centreglazed aluminium	Commercial thermal heart series 804 centreglazed aluminium	Commercial thermal heart series 804 centreglazed aluminium			
BASIX THERMAL BEQUISEMENTS	u-value of 1.8 or less & SHCG within 5% of 0.24	u-value of 1.8 or less & SHCG within 5% of 0.24	u-value of 1.8 or less & SHCG within 5% of 0.24	u-value of 1.8 or less & SHCG within 5% of 0.24			
REQUIREMENT (PROJECTION / HEIGHT	TBC	TBC	TBC	TBC			
PAY STREENS	⊠	⊠	⊠	⊠	1		
BAL RATING	BAL-40	BAL-40	BAL-29	BAL-29			
NOTES							



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UNIT 23/28-34 ROSEBERRY STREET

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REV	DATE	DESCRIPTION	PROJECT DETAILS
01	1/04/2025	DA DEVELOPMENT APPLICATION (stage 2)	Drawn   Checked JG - JG Plot Date: 2/04/2025 Project Status STAGE 1A
			Client: David and Christine LaRose Project: 2266

PROPOSED DOOR SCHEDULES PROJECT NAME : 24 OGILVY ROAD, CLONTARF

01 DRAWING NO. DA28

SCALE: 1:1 @ A3

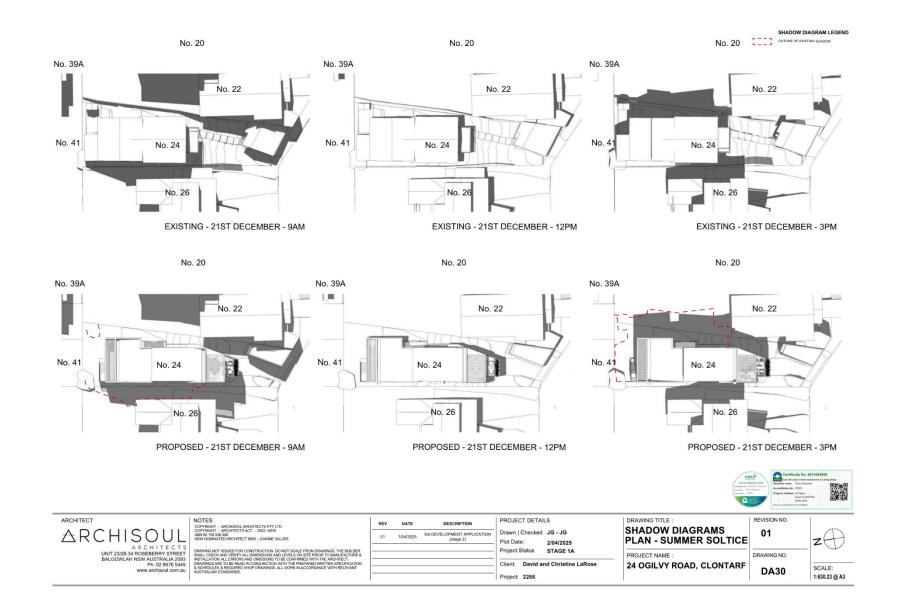




WINDOW SCHEDULE	W0.1	W0.2	W1.1	W1.2	W1.3	W1.4	W1.5	W1.6	W1.7		W1.8
TYPE			FIXED		TILT&TURN	TILT&TURN	FIX + TILT&TURN	FIXED	TILT&TURN		TILT&TURN
EVEL	GARAGE FLOOR	GARAGE FLOOR	GROUND FLOOR	GROUND FLOOR	GROUND FLOOR	GROUND FLOOR	GROUND FLOOR	GROUND FLOOR	GROUND FLOOR	G	ROUND FLOOR
MOOM			ENTRY VOID		BED 3	BED 3	GUEST BED	GUEST BED	GUEST BED		BATH
ELEVATION VIEW EXTERNAL)						K					$\langle \langle \rangle \rangle$
REA (n2) RAME WIDTH x HEIGHT	0.96 2.400×400	0.35 300×1.180	2.52 900×2.800	1.26 600×2.100	0.75 500×1.500	1.35 900×1.500	6.48 2,700×2,400	2.88 1,200×2,400	2.88 1,200×2,400		1.13 750×1.500
mm) DRIENTATION	2,400×400 WEST	300×1,180 WEST	900×2,800 SOUTH	600×2,100 WEST	SOUTH	900×1,500 EAST	2,700*2,400 EAST	1,200×2,400 NORTH	1,200×2,400 WEST		750×1,500 WEST
GLAZING	Double Glazing	Double Glazing	Double or Triple glazing	Double or Triple glazing	Double or Triple glazing	Double or Triple glazing	Double or Triple glazing	Double or Triple glazing	Double or Triple glazi	ing Dou	ble or Triple glazing
RAME	Commercial thermal heart series 804 centreglazed aluminium	Commercial thermal heart series 804 centreglazed aluminium	Commercial thermal heart series 804 centreglazed aluminium	Commercial thermal heart series 804 centreglazed aluminium	Commercial thermal heart series 804 centreglazed aluminium	Commercial thermal heart series 804 centreglazed aluminium	Commercial thermal heart series 804 centreglazed aluminium	Commercial thermal heart series 804 centreglazed aluminium	Commercial thermal hi series 804 centreglaz aluminium		mercial thermal heart as 804 centreglazed aluminium
BASIX THERMAL BASIX SHAPING	n/a	n/a	u-value of 1.8 or less & SHCG within 5% of 0.24	u-value of 1.8 or less & SHCG within 5% of 0.24	u-value of 1.8 or less & SHCG within 5% of 0.24	u-value of 1.8 or less & SHCG within 5% of 0.24	u-value of 1.8 or less & SHC0 within 5% of 0.24	u-value of 1.8 or less & SHCG within 5% of 0.24	u-value of 1.8 or less & 5 within 5% of 0.24	SHCG u-value	of 1.8 or less & SHCG vithin 5% of 0.24
REQUIREMENT PROJECTION / HEIGHT	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC		TBC
ATIST REENS					N N	N	N		N		M
IAL RATING	BAL-40	BAL-40	BAL-40	BAL-40	BAL-40	BAL-40	BAL-40	BAL-29	BAL-40		BAL-40
VINDOW SCHEDULE											
D	W1.9	W1.10	W2.1	W2.2	W2.3	W2.4	W2.5	W2.6	W2.7		W2.8
TYPE	TILT&TURN	FIXED	TILT&TURN	TILT&TURN	TILT&TURN	TILT&TURN	TILT&TURN	FIXED	TILT&TURN		TILT&TURN
LEVEL	GROUND FLOOR HALLWAY	GROUND FLOOR ENTRY STAIR	FIRST FLOOR DINE	FIRST FLOOR DINE	FIRST FLOOR DINE	FIRST FLOOR KITCHEN	FIRST FLOOR KITCHEN	FIRST FLOOR M.BED	FIRST FLOOR M.BED		FIRST FLOOR M.BED
ELEVATION VIEW (EXTERNAL)									Å		$\langle$
AREA (m2) FRAME WIDTH x HEIGHT	1.58 750×2,100	1.58 750×2,100	2.52 1.200×2,100	2.52 1,200×2,100	2.52 1,200×2,100	2.52 1,200×2,100	2.52 1,200×2,100	3.24 1,800×1,800	1.08 600×1.800		1.08 600×1,800
(mm) ORIENTATION	750×2,100 WEST	750×2,100 WEST	1,200×2,100 EAST	1,200×2,100 EAST	1,200×2,100 EAST	1,200×2,100 EAST	1,200×2,100 FAST	1,800×1,800 SOUTH	600×1,800 EAST		600×1,800 EAST
BLAZING	Double or Triple glazing	Double or Triple glazing	Double or Triple glazing	Double or Triple glazing	Double or Triple glazing	Double or Triple glazing	Double or Triple glazing	Double or Triple glazing	Double or Triple glazi	ing Dou	ble or Triple glazing
RAME	Commercial thermal heart series 804 centreglazed aluminium	Commercial thermal heart series 804 centreglazed aluminium	Commercial thermal heart series 804 centreglazed aluminium	Commercial thermal heart series 804 centreglazed aluminium	Commercial thermal heart series 804 centreglazed aluminium	Commercial thermal heart series 804 centreglazed aluminium	Commercial thermal heart series 804 centreglazed aluminium	Commercial thermal heart series 804 centreglazed aluminium	Commercial thermal he series 804 centreglaz aluminium	eart Commed serie	mercial thermal heart as 804 centreglazed aluminium
Basix Thermal Requirements	u-value of 1.8 or less & SHCG within 5% of 0.24	u-value of 1.8 or less & SHCG within 5% of 0.24	u-value of 1.8 or less & SHCG within 5% of 0.24	u-value of 1.8 or less & SHCG within 5% of 0.24	u-value of 1.8 or less & SHCG within 5% of 0.24	u-value of 1.8 or less & SHCG within 5% of 0.24	u-value of 1.8 or less & SHCC within 5% of 0.24	u-value of 1.8 or less & SHCG within 5% of 0.24	u-value of 1.8 or less & 5 within 5% of 0.24	SHCG u-value	of 1.8 or less & SHCG vithin 5% of 0.24
REQUIREMENT PROJECTION / HEIGHT	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC		TBC
AT STREENS	×			⊠	⊠	⊠			⊠		⊠
AL RATING	BAL-40	BAL-40	BAL-40	BAL-40	BAL-40	BAL-40	BAL-40	BAL-40	BAL-40		BAL-40
VINDOW SCHEDULE											
YPE	W2.9 TILT & TURN	W2.10 TILT&TURN	W2.11 TILT&TURN	W2.12 TILT&TURN	W2.13 TILT&TURN	W2.14	W3.1 FIXED	WT			
EVEL	FIRST FLOOR	FIRST FLOOR	FIRST FLOOR	FIRST FLOOR	FIRST FLOOR	FIRST FLOOR	CEILING	GROUND FLOOR			
ROOM	WIR	ENSUITE	LAUNDRY	HALLWAY							
ELEVATION VIEW EXTERNAL)						A A					
FREMEWOTH x HEIGHT	0.68	0.68	0.72	0.68	0.68	1.58	6.24				
nm) RIENTATION	750×900 NORTH	750×900 NORTH	600×1,200 NORTH	750×900 WEST	750×900 WEST	750×2,100 WEST	6,930×900 NORTH				
GLAZING	Double or Triple glazing	Double or Triple glazing	Double or Triple glazing	Double or Triple glazing	Double or Triple glazing	Double or Triple glazing	Double or Triple glazing				
RAME	Commercial thermal heart series 804 centreglazed aluminium	Commercial thermal heart series 804 centreglazed aluminium	Commercial thermal heart series 804 centreglazed aluminium	Commercial thermal heart series 804 centreglazed aluminium	Commercial thermal heart series 804 centreglazed aluminium	Commercial thermal heart series 804 centreglazed aluminium	Commercial thermal heart series 804 centreglazed aluminium				
IASIX THERMAL IBQUIREMENTS REQUIREMENT	u-value of 1.8 or less & SHCG within 5% of 0.24	u-value of 1.8 or less & SHCG within 5% of 0.24 TBC	u-value of 1.8 or less & SHCG within 5% of 0.24	u-value of 1.8 or less & SHCG within 5% of 0.24 TBC	u-value of 1.8 or less & SHCG within 5% of 0.24	u-value of 1.8 or less & SHCG within 5% of 0.24	u-value of 1.8 or less & SHCC within 5% of 0.24			- Andrews	No consultate ITA
PROJECTION / HEIGHT									ABSA	Scan GR code or	No. 0011845955
PCY STREENS BAL RATING	⊠ BAL-29	⊠ BAL-29	⊠ BAL-29	⊠ BAL-40	BAL-40	⊠ BAL-40	BAL-29		Assertance Service Chapman	Accorditation No. 200	
			UNL-25	DAL-40	DAC-40		DAC-29			His can address and pro-	Osphy kt CLONTANE NAZORS
AR CHITECTS  UNIT 23/28-34 ROSEBERRY STREET  UNIT 23/28-34 ROSEBERRY STREET  PALCOUR AN INON AUTOMATO AROUND SERVE ALL OFFICE AND VERREFALL ON  SHALL OFFIC		COPYRIGHT - ARCHISOUL ARCHITECTS PTY COPYRIGHT - ARCHITECTS ACT - 2003 NSV ABN 92 159 526 066 SSW NOMINATED ARCHITECT 6850 - JOANNE	GILLIES	01 1/04/2025	DESCRIPTION  DA DEVELOPMENT APPLICATION (stage 2)	PROJECT DETAILS  Drawn   Checked JG - JG  Plot Date: 2/04/2025  Project Status STAGE 1A		PROPOSED WINDOW SCHEDULES		01	_
		30 INSTALLATION ALL ERPIORS AND OMISSIONS TO BE CONFIRMED WITH THE ARCHITECT.  10 DRAWNINGS ARE TO BE READ IN COLUMNITOR WITH THE PREPARAMENTHEMETHS SECURIZATION  10 AUSTRALLATION STANDARDS.  10 AUSTRALLATION ALL ERPIORS AND OMISSIONS TO BE CONFIRMED WITH THE REPORT OF THE SECURIZATION  11 AUSTRALLATION ALL ERPIORS AND OMISSIONS TO BE CONFIRMED.  12 AUSTRALLATION ALL ERPIORS AND OMISSIONS TO BE CONFIRMED.  13 DRAWNINGS AND THE PROPERTY OF THE PROPERTY OF THE SECURIZATION AND THE PROPERTY OF THE SECURIZATION AND THE PROPERTY OF THE SECURIZATION AND T			Client: David and Christine LaRose Project: 2266		PROJECT NAME : 24 OGILVY ROAD, CLONTARF		DA29	SCALE:	



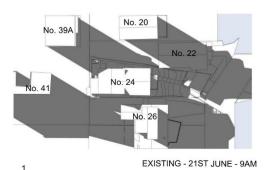


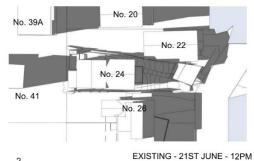


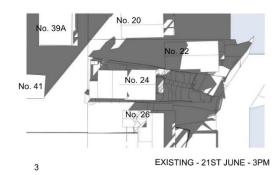


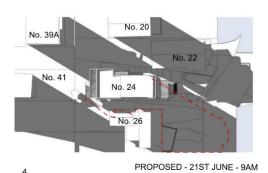


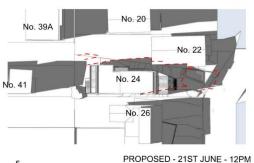
SHADOW DIAGRAM LEGEND OUTLINE OF EXISTING SHADOW

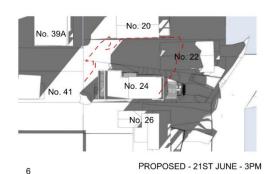














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PROJECT DETAILS DATE DESCRIPTION DA DEVELOPMENT APPLICATION (stage 2) Drawn | Checked JG - JG 1/04/2025 Plot Date: 2/04/2025 Project Status STAGE 1A Client: David and Christine LaRose Project: 2266

DRAWING TITLE : SHADOW DIAGRAMS 3D -WINTER SOLTICE

PROJECT NAME : 24 OGILVY ROAD, CLONTARF

01 DRAWING NO. DA31

SCALE:

1:630.23 @ A3









CLD1 - Honed Blockwork Stacked

**Driveway** - Sandblast concrete with gap between slabs





**CLD2** - Cemintel Territory™ Woodlands Grey Gum

CLD3 - Cemintel Territory™ Woodlands Ebony

Vergola system - Black

Note - configuration, colours and finishes are for illustration purposes only.





REV	DATE	DESCRIPTION	PROJECT DETAILS		
01	1/04/2025	DA DEVELOPMENT APPLICATION (stage 2)	Drawn   Checked Plot Date: Project Status	JG - JG 2/04/2025 STAGE 1A	
			Client: David as	nd Christine	

PROJECT NAME : LaRose 24 OGILVY ROAD, CLONTARF Project: 2266

DRAWING TITLE : EXTERNAL FINISHES SCHEDULE 01 DRAWING NO. DA32

SCALE:

@ A3





