

Building Sustainability Index www.basix.nsw.gov.au

Multi Dwelling

Certificate number: 1378175M_02

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

Secretary

Date of issue: Monday, 19 June 2023

To be valid, this certificate must be lodged within 3 months of the date of issue.



Project summary						
Project name	19333_02					
Street address	75-77 Sheppard Street Casino 2470					
Local Government Area	Richmond Valley Council					
Plan type and plan number deposited 1155484						
Lot no.	761					
Section no.	-					
No. of residential flat buildings	0					
No. of units in residential flat buildings	0					
No. of multi-dwelling houses	6					
No. of single dwelling houses	0					
Project score						
Water	✓ 40 Target 40					
Thermal Comfort	✓ Pass Target Pass					
Energy	✓ 48 Target 45					

Certificate Prepared by



(ABN: 27 131 950 064)

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 $Revision \ of \ Certificates \ not \ lodged \ within \ 3 \ months \ of \ the \ date \ of \ issue \ will \ incur \ further \ BASIX \ issuing \ fees.$

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Description of project

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Project address					
Project name	19333_02				
Street address	75-77 Sheppard Street Casino 2470				
Local Government Area	Richmond Valley Council				
Plan type and plan number	deposited 1155484				
Lot no.	761				
Section no.	-				
Project type					
No. of residential flat buildings	0				
No. of units in residential flat buildings	0				
No. of multi-dwelling houses	6				
No. of single dwelling houses	0				
Site details					
Site area (m²)	1355				
Roof area (m²)	536				
Non-residential floor area (m²)	-				
Residential car spaces	7				
Non-residential car spaces	-				

Common area landscape		
Common area lawn (m²)	0.0	
Common area garden (m²)	434.0	
Area of indigenous or low water use species (m²)	-	
Assessor details		
Assessor number	DMN/13/1491	
Certificate number	0008644670	
Climate zone	9	
Ceiling fan in at least one bedroom	Yes	
Ceiling fan in at least one living room or other conditioned area	Yes	
Project score		
Water	4 0	Target 40
Thermal Comfort	✓ Pass	Target Pass
Energy	✓ 48	Target 45

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Description of project

The tables below describe the dwellings and common areas within the project

Multi-dwelling houses

Dwelling no.	No. of hedrooms	Conditioned floor area (m²)	Unconditioned floor area (m²)	Area of garden & Iawn (m²)	Indigenous species (min area m²)
1	2	72.0	7.0	5.0	-
6	2	72.0	0.0	8.0	-

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Dwelling no.	No. of bedrooms	Conditioned floor area (m²)	Unconditioned floor area (m²)	Area of garden & lawn (m²)	Indigenous species (min area m²)
2	2	72.0	7.0	7.0	-

Dwelling no.	No. of hedrooms	Conditioned floor area (m²)	Unconditioned floor area (m²)	Area of garden & Iawn (m²)	Indigenous species (min area m²)
3	3	89.0	12.0	29.0	-

Dwelling no.	No. of bedrooms	Conditioned floor area (m²)	Unconditioned floor area (m²)	Area of garden & Iawn (m²)	Indigenous species (min area m²)
4	3	89.0	12.0	14.0	-

Dwelling no.	No. of bedrooms	Conditioned floor area (m²)	Unconditioned floor area (m²)	Area of garden & lawn (m²)	Indigenous species (min area m²)
5	2	74.0	0.0	35.0	-

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Schedule of BASIX commitments

- 1. Commitments for multi-dwelling houses
 - (a) Dwellings
 - (i) Water
 - (ii) Energy
 - (iii) Thermal Comfort
- 2. Commitments for single dwelling houses
- 3. Commitments for common areas and central systems/facilities for the development (non-building specific)
 - (i) Water
 - (ii) Energy

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Schedule of BASIX commitments

The commitments set out below regulate how the proposed development is to be carried out. It is a condition of any development consent granted, or complying development certificate issued, for the proposed development, that BASIX commitments be complied with.

1. Commitments for multi-dwelling houses

(a) Dwellings

(i) Water	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
(a) The applicant must comply with the commitments listed below in carrying out the development of a dwelling listed in a table below.			
(b) The applicant must plant indigenous or low water use species of vegetation throughout the area of land specified for the dwelling in the "Indigenous species" column of the table below, as private landscaping for that dwelling. (This area of indigenous vegetation is to be contained within the "Area of garden and lawn" for the dwelling specified in the "Description of Project" table).	~	~	
(c) If a rating is specified in the table below for a fixture or appliance to be installed in the dwelling, the applicant must ensure that each such fixture and appliance meets the rating specified for it.		→	V
(d) The applicant must install an on demand hot water recirculation system which regulates all hot water use throughout the dwelling, where indicated for a dwelling in the "HW recirculation or diversion" column of the table below.		>	V
(e) The applicant must install:			
(aa) a hot water diversion system to all showers, kitchen sinks and all basins in the dwelling, where indicated for a dwelling in the "HW recirculation or diversion" column of the table below; and		→	•
(bb) a separate diversion tank (or tanks) connected to the hot water diversion systems of at least 100 litres. The applicant must connect the hot water diversion tank to all toilets in the dwelling.		✓	V
(e) The applicant must not install a private swimming pool or spa for the dwelling, with a volume exceeding that specified for it in the table below.	V	~	
(f) If specified in the table, that pool or spa (or both) must have a pool cover or shading (or both).		~	
(g) The pool or spa must be located as specified in the table.	•	✓	
(h) The applicant must install, for the dwelling, each alternative water supply system, with the specified size, listed for that dwelling in the table below. Each system must be configured to collect run-off from the areas specified (excluding any area which supplies any other alternative water supply system), and to divert overflow as specified. Each system must be connected as specified.	~	~	~

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	Fixtures			Appliances Individua			vidual pool	dual pool		Individual spa				
Dwelling no.	All shower- heads	All toilet flushing systems	All kitchen taps	All bathroom taps	HW recirculation or diversion	All clothes washers	All dish- washers	Volume (max volume)	Pool cover	Pool location	Pool shaded	Volume (max volume)	Spa cover	Spa shaded
All dwellings	4 star (> 4.5 but <= 6 L/min)	4 star	5 star	5 star	-	-	-	-	-	-	-	-	-	-

		Alternative water source							
Dwelling no.	Alternative water supply systems	Size	Configuration	Landscape connection	Toilet connection (s)	Laundry connection	Pool top-up	Spa top-up	
All dwellings	individual water tank (no. 1)	Tank size (min) 4000.0 litres	To collect run-off from at least: 70.0 square metres of roof area;	yes	no	-	no	no	
None	-	-	-	-	-	-	-	-	

(ii) Energy	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
(a) The applicant must comply with the commitments listed below in carrying out the development of a dwelling listed in a table below.			
(b) The applicant must install each hot water system specified for the dwelling in the table below, so that the dwelling's hot water is supplied by that system. If the table specifies a central hot water system for the dwelling, then the applicant must connect that central system to the dwelling, so that the dwelling's hot water is supplied by that central system.	~	~	~
(c) The applicant must install, in each bathroom, kitchen and laundry of the dwelling, the ventilation system specified for that room in the table below. Each such ventilation system must have the operation control specified for it in the table.		<u> </u>	V
(d) The applicant must install the cooling and heating system/s specified for the dwelling under the "Living areas" and "Bedroom areas" headings of the "Cooling" and "Heating" columns in the table below, in/for at least 1 living/bedroom area of the dwelling. If no cooling or heating system is specified in the table for "Living areas" or "Bedroom areas", then no systems may be installed in any such areas. If the term "zoned" is specified beside an air conditioning system, then the system must provide for day/night zoning between living areas and bedrooms.		~	~

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(ii) Energy	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
(e) This commitment applies to each room or area of the dwelling which is referred to in a heading to the "Artificial lighting" column of the table below (but only to the extent specified for that room or area). The applicant must ensure that the "primary type of artificial lighting" for each such room in the dwelling is fluorescent lighting or light emitting diode (LED) lighting. If the term "dedicated" is specified for a particular room or area, then the light fittings in that room or area must only be capable of being used for fluorescent lighting or light emitting diode (LED) lighting.		~	~
(f) This commitment applies to each room or area of the dwelling which is referred to in a heading to the "Natural lighting" column of the table below (but only to the extent specified for that room or area). The applicant must ensure that each such room or area is fitted with a window and/or skylight.	~	~	~
(g) This commitment applies if the applicant installs a water heating system for the dwelling's pool or spa. The applicant must:			
(aa) install the system specified for the pool in the "Individual Pool" column of the table below (or alternatively must not install any system for the pool). If specified, the applicant must install a timer, to control the pool's pump; and		•	
(bb) install the system specified for the spa in the "Individual Spa" column of the table below (or alternatively must not install any system for the spa). If specified, the applicant must install a timer to control the spa's pump.		✓	
(h) The applicant must install in the dwelling:			
(aa) the kitchen cook-top and oven specified for that dwelling in the "Appliances & other efficiency measures" column of the table below;		✓	
(bb) each appliance for which a rating is specified for that dwelling in the "Appliances & other efficiency measures" column of the table, and ensure that the appliance has that minimum rating; and		~	-
(cc) any clothes drying line specified for the dwelling in the "Appliances & other efficiency measures" column of the table.		✓	
(i) If specified in the table, the applicant must carry out the development so that each refrigerator space in the dwelling is "well ventilated".		~	
(j) The applicant must install the photovoltaic system specified for the dwelling under the "Photovoltaic system" heading of the "Alternative energy" column of the table below, and connect the system to that dwelling's electrical system.	V	~	V

	Hot water	Bathroom ventilation system		Kitchen vent	ilation system	Laundry ventilation system		
Dwelling no.	Hot water system	Each bathroom	Operation control	Each kitchen	Operation control	Each laundry	Operation control	
3, 4	electric heat pump - air sourced 31 to 35 STCs	individual fan, ducted to façade or roof	manual switch on/off	individual fan, ducted to façade or roof	manual switch on/off	natural ventilation only, or no laundry	-	

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	Hot water	Bathroom ventilation system		Kitchen ventilation system		Laundry ventilation system	
Dwelling no.	Hot water system	Each bathroom	Operation control	Each kitchen	Operation control	Each laundry	Operation control
All other dwellings	electric heat pump - air sourced 31 to 35 STCs	individual fan, ducted to façade or roof	manual switch on/off	individual fan, ducted to façade or roof	manual switch on/off	individual fan, ducted to façade or roof	manual switch on/off

	Coo	ling	Hea	ting		Artificial lighting				Natural lighting		
Dwelling no.	living areas	bedroom areas	living areas	bedroom areas	No. of bedrooms &/or study	No. of living &/or dining rooms	Each kitchen	All bathrooms/ toilets	Each laundry	All hallways	No. of bathrooms &/or toilets	Main kitche
5, 6	-	-	-	-	2 (dedicated)	1 (dedicated)	yes (dedicated)	yes (dedicated)	yes (dedicated)	yes (dedicated)	1	yes
All other dwellings	-	-	-	-	2 (dedicated)	1 (dedicated)	yes (dedicated)	yes (dedicated)	yes (dedicated)	yes (dedicated)	2	yes

	Individual po	ool	Individual s	ра	Appliances & other efficiency measures							
Dwelling no.	Pool heating system	Timer	Spa heating system	Timer	Kitchen cooktop/oven	Refrigerator	Well ventilated fridge space	Dishwasher	Clothes washer	Clothes dryer	Indoor or sheltered clothes drying line	Private outdoor or unsheltered clothes drying line
All dwellings	-	-	-	-	electric cooktop & electric oven	-	yes	-	-	-	-	yes

	Alternative energy
Dwelling no.	Photovoltaic system (min rated electrical output in peak kW)
All dwellings	-

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(iii) Thermal Comfort	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
(a) The applicant must attach the certificate referred to under "Assessor details" on the front page of this BASIX certificate (the "Assessor Certificate") to the development application and construction certificate application for the proposed development (or, if the applicant is applying for a complying development certificate for the proposed development, to that application). The applicant must also attach the Assessor Certificate to the application for a final occupation certificate for the proposed development.			
(b) The Assessor Certificate must have been issued by an Accredited Assessor in accordance with the Thermal Comfort Protocol.			
(c) The details of the proposed development on the Assessor Certificate must be consistent with the details shown in this BASIX Certificate, including the details shown in the "Thermal Loads" table below.			
(d) The applicant must show on the plans accompanying the development application for the proposed development, all matters which the Thermal Comfort Protocol requires to be shown on those plans. Those plans must bear a stamp of endorsement from the Accredited Assessor, to certify that this is the case.	~		
(e) The applicant must show on the plans accompanying the application for a construction certificate (or complying development certificate, if applicable), all thermal performance specifications set out in the Assessor Certificate, and all aspects of the proposed development which were used to calculate those specifications.		~	
(f) The applicant must construct the development in accordance with all thermal performance specifications set out in the Assessor Certificate, and in accordance with those aspects of the development application or application for a complying development certificate which were used to calculate those specifications.		~	V
(g) Where there is an in-slab heating or cooling system, the applicant must:	~	•	V
(aa) Install insulation with an R-value of not less than 1.0 around the vertical edges of the perimeter of the slab; or			
(bb) On a suspended floor, install insulation with an R-value of not less than 1.0 underneath the slab and around the vertical edges of the perimeter of the slab.			
(h) The applicant must construct the floors and walls of the development in accordance with the specifications listed in the table below.	~	•	V
(i) The applicant must show on the plans accompanying the development application for the proposed development, the locations of ceiling fans set out in the Assessor Certificate.	V		
(j) The applicant must show on the plans accompanying the application for a construction certificate (or complying development certificate, if applicable), the locations of ceiling fans set out in the Assessor Certificate.		~	

	Thermal loads						
Dwelling no.	Area adjusted heating load (in mJ/m²/yr)	Area adjusted cooling load (in mJ/m²/yr)					
1	9.5	26.7					
2	10.4	20.9					

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		Thermal loads						
Dwelling no.	Area adjusted heating load (in mJ/m²/yr)	Area adjusted cooling load (in mJ/m²/yr)						
3	9.0	27.8						
4	17.7	24.3						
5	8.1	30.4						
All other dwellings	9.1	22.9						

		Construction of floors and walls									
Dwelling no.	Concrete slab on ground(m²)	Suspended floor with open subfloor (m²)	Suspended floor with endclosed subfloor (m²)	Suspended floor above garage (m²)	Primarily rammed earth or mudbrick walls						
5	74	-	-	-	No						
6	72	-	-	-	No						
1, 2	45	-	-	-	No						
All other dwellings	60	-	-	-	No						

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3. Commitments for common areas and central systems/facilities for the development (non-building specific)

(b) Common areas and central systems/facilities

(i) Water	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
(a) If, in carrying out the development, the applicant installs a showerhead, toilet, tap or clothes washer into a common area, then that item must meet the specifications listed for it in the table.		~	V
(b) The applicant must install (or ensure that the development is serviced by) the alternative water supply system(s) specified in the "Central systems" column of the table below. In each case, the system must be sized, be configured, and be connected, as specified in the table.	~	~	~
(c) A swimming pool or spa listed in the table must not have a volume (in kLs) greater than that specified for the pool or spa in the table.	V	~	
(d) A pool or spa listed in the table must have a cover or shading if specified for the pool or spa in the table.		~	
(e) The applicant must install each fire sprinkler system listed in the table so that the system is configured as specified in the table.		~	V
(f) The applicant must ensure that the central cooling system for a cooling tower is configured as specified in the table.		V	V

Common area	Showerheads rating	Toilets rating	Taps rating	Clothes washers rating
All common areas	no common facility	no common facility	no common facility	no common laundry facility

(ii) Energy	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
(a) If, in carrying out the development, the applicant installs a ventilation system to service a common area specified in the table below, then that ventilation system must be of the type specified for that common area, and must meet the efficiency measure specified.		~	~
(b) In carrying out the development, the applicant must install, as the "primary type of artificial lighting" for each common area specified in the table below, the lighting specified for that common area. This lighting must meet the efficiency measure specified. The applicant must also install a centralised lighting control system or Building Management System (BMS) for the common area, where specified.		~	~
(c) The applicant must install the systems and fixtures specified in the "Central energy systems" column of the table below. In each case, the system or fixture must be of the type, and meet the specifications, listed for it in the table.	V	~	V

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Notes

- 1. In these commitments, "applicant" means the person carrying out the development.
- 2. The applicant must identify each dwelling, building and common area listed in this certificate, on the plans accompanying any development application, and on the plans and specifications accompanying the application for a construction certificate / complying development certificate, for the proposed development, using the same identifying letter or reference as is given to that dwelling, building or common area in this certificate.
- 3. This note applies if the proposed development involves the erection of a building for both residential and non-residential purposes (or the change of use of a building for both residential and non-residential purposes). Commitments in this certificate which are specified to apply to a "common area" of a building or the development, apply only to that part of the building or development to be used for residential purposes.
- 4. If this certificate lists a central system as a commitment for a dwelling or building, and that system will also service any other dwelling or building within the development, then that system need only be installed once (even if it is separately listed as a commitment for that other dwelling or building).
- 5. If a star or other rating is specified in a commitment, this is a minimum rating.
- 6. All alternative water systems to be installed under these commitments (if any), must be installed in accordance with the requirements of all applicable regulatory authorities. NOTE: NSW Health does not recommend that stormwater, recycled water or private dam water be used to irrigate edible plants which are consumed raw, or that rainwater be used for human consumption in areas with potable water supply.

Legend

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- 1. Commitments identified with a " in the "Show on DA plans" column must be shown on the plans accompanying the development application for the proposed development (if a development application is to be lodged for the proposed development).
- 2. Commitments identified with a " in the "Show on CC/CDC plans and specs" column must be shown in the plans and specifications accompanying the application for a construction certificate / complying development certificate for the proposed development.
- 3. Commitments identified with a " in the "Certifier check" column must be certified by a certifying authority as having been fulfilled. (Note: a certifying authority must not issue an occupation certificate (either interim or final) for a building listed in this certificate, or for any part of such a building, unless it is satisfied that each of the commitments whose fulfillment it is required to monitor in relation to the building or part, has been fulfilled).

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Assessor Certificate





Assessed and issued in accordance with the BASIX Thermal Comfort Protocol for the Simulation Method

Date: 19 June 2023

Assessor

Name: Gavin Chambers Company: Building Sustainability Assessments Assessor #: DMN/13/1491

Address: 7 William Street, HAMILTON NSW 2303

Phone: (02) 4962 3439 Email: enquiries@buildingsustainability.net.au

Declaration of interest in the project design: None

Project

Address: 75 - 77 Sheppard Street

CASINO NSW 2470 Climate Zone: 9

Assessment

Software: BERS Pro 4.4 Ceiling fans used in the modelling: Living areas: Yes, Bedrooms: Yes

Documentation

All details, upon which this assessment has been based, are included in the project documentation that has been stamped and signed by the Assessor issuing this certificate, as identified below:

Drawings used for this assessment:

(Title, Ref.#, Revision, Issue date, etc)

Barry Rush & Associates Project No. BGZEG DA 19/06/23

Thermal Performance Specification (copy on page 2)

Attached to the drawings and is on page: Sheet A05

O008644670 19 Jun 2023
Assessor Gavin Chambers
Accreditation No. DMN/13/1491
Address
75 - 77 Sheppard Street ,
Casino , NSW , 2470

hstar.com.au

Scan QR code to see NatHERS Certificate ↑

Thermal perf	Thermal performance specifications		ons	Certificate #			0008644670 Page 1 of 2
Unit No.	Floor	Floor Areas		Predict. loads (MJ/M²/y)			Basix Floor Type and Area m²
Omit No.	Cond.	Uncond.	Heat	Cool	Total	Star	
1	72	7	9.5	26.7	36.2	8.1	SOG: 45,
2	72	7	10.4	20.9	31.3	8.4	SOG: 45,
3	89	12	9.0	27.8	36.8	8.1	SOG: 60,
4	89	12	17.7	24.3	42.0	7.7	SOG: 60,
5	74	0	8.1	30.4	38.5	7.9	SOG: 74,
6	72	0	9.1	22.9	32.0	8.4	SOG: 72,



May 2023 **BSA Reference: 19333** Ph: (02) 4962 3439

Building Sustainability Assessments enquiries@buildingsustainability.net.au

www. buildingsustainability.net.au

Important Note

The following specification was used to achieve the thermal performance values indicated on the Assessor Certificate. If the proposed construction varies to those detailed below than the Assessor and NatHERS certificates will no longer be valid. Assessments assume that the BCA provisions for building sealing & ventilation are complied with at construction.

In NSW both BASIX & the BCA variations must be complied with, in particular the following: - Thermal construction in accordance with Vol 1 Section J1.2 or Vol 2 Part 3.12.1.1 - Thermal breaks for Class 1 dwellings in accordance with Part 3.12.1.2(c) & 3.12.1.4(d) - Floor insulation for Class 1 dwellings as per Part 3.12.1.5(a)(ii), (iii) & (e) or (c), (d) & (e) - Building sealing in accordance with Section J3 or Part 3.12.3.1 to 3.12.3.6.					
Thermal Performance Specifications (does not					
External Wall Construction	Added Insulation				
Brick Veneer & Lightweight	R2.0				
Internal Wall Construction	Added Insulation				
	to walls adjacent to roof space				
	None				
Cavity Brick (party walls)	Added Insulation				
Ceiling Construction Plasterboard R3.5 to					
	ceilings adjacent to roof space				
Roof Construction Colour (Solar Absorptance)	Added Insulation				
Metal Basalt (SA 0.69)	Foil + R1.0 blanket				
Floor Construction Covering	Added Insulation				
Concrete As drawn (if not noted default values used)	None				
Timber As drawn (if not noted default values used)	None				
Windows Glass and frame type U value	SHGC Range Area sq m				
ALM-001-01 A Aluminium Type A Single clear 6.70	0.51 - 0.63 As drawn				
ALM-002-01 A Aluminium Type B Single clear 6.70	0.63 - 0.77 As drawn				
Type A windows are awning windows, bifolds, casements, tilt 'n 'turn' w Type B windows are double hung windows, sliding windows & doors, fix					
Skylights Glass and frame type U SHGC Area s	q m Detail				
Single glazed in aluminium frames	As drawn				
U and SHGC values are according to AFRC. Alternate products may be SHGC is within the range specified	e used if the U value is lower & the				
Shade elements (eaves, verandahs, awnings etc)				
All shade elements modelled as drawn	- ,				
Ceiling Penetrations (down	ınlights, exhaust fans, flues etc)				
Modelled as drawn and/or to comply with the ventilation and se	ealing requirements of the BCA				
Ducting is modelled at 150mm. No insulation losses from dow	nlighting have been modelled.				
Additional Notes	-				
1200mm diam. ceiling fans to all bedrooms + 1 to living rooms	;				

DA PLANS

GENERAL HOUSING DEVELOPMENT

75-77 SHEPPARD STREET, CASINO LOTS 761 & 762 in DP 1155484



DRAWING SCHEDULE ARCHITECTURAL REFERENCE No COVER PAGE SITE ANALYSIS PLAN SITE PLAN GROUND FLOOR PLAN FIRST FLOOR PLAN ROOF PLAN ELEVATIONS SECTIONS FINISHES SCHEDULE BLOCK ANALYSIS PLAN SHADOW DIAGRAMS MID WINTER VIEWS FROM SUN DIAGRAM STREET PERSPECTIVE AREAS OF EXCAVATION & FILL CIVIL COVER SHEET, LEGEND & DRAWING SCHEDULE SW000 P2 EROSION & SEDIMENT CONTROL PLAN GROUND FLOOR PLAN

FIRST FLOOR PLAN ROOF PLAN SW103 DETAIL SHEET 1 DETAIL SHEET 2 SW202

LANDSCAPE LA 1 OF 2 LA 2 OF 2 LANDSCAPE PLAN LANDSCAPE DETAILS & SPECIFICATION

S SHT 1 OF 1 -

DETAIL SURVEY
BY: RPS AUSTRALIA EAST PTY LTD

SURVEY REFERENCE 151687

DEVELOPMENT DATA

Job Reference	BGZEG
Locality / Suburb	Casino
Street Address	75-77 Sheppard Sreet
Lot & DP	Lots 2761 and 762 in DP 1155484
Site Area	1354.9 m ² by title
Existing Lots	2
Proposed GFA	505.6 m²
No. of Dwellings	4 x 2 Bed + 2 x 3 Bed = 6 Dwellings

	Control	Requirement	Proposed	
HEIGHT	Richmond Valley Council LEF Housing SEPP LRHDG Rear 40% of Site	8.5m 9.0m 4.5m	6.3m to ceiling 7.8m to top of roof rear 40% of site < 4.5m	
FSR	Richmond Valley Coast DCP	0.5:1 (631.5m²)	0.37:1 (505.6m²)	
	Housing SEPP	0.5:1	0.37:1 (505.6m²)	
LOT SIZE & WIDTH	Richmond Valley Coast DCP	Site 1000 m² Width 20m	Site 1354.9m² Width 34m	
SETBACKS	Richmond Valley Coast DCP multi - dwelling	Front Setback 6.0m	6.0-8.5m to Building	
	LRHDG	Side Setback = H - 3m	3.0-5.2m to Building East (front) - 5.2m to building 3.2m to awning East (rear) - 3m West - 5m	
	LRHDG	Rear Setback = 6m	4m to Building 2m to awning	
PARKING	Housing SEPP	1 x (no. 2 Beds) = 4 1.5 x (no. 3 Beds) = 3	7 car spaces	
BICYCLE PARKING	LRHDG	1 space per Dwelling = 6	Bicycles to be stored in unit POS	
POS Private open space	LAHC Dwelling Requirements	1 bed Dwelling = 8m ² 2 bed Dwelling = 10m ² 3 bed Dwelling = 12m ²	All POS > 25m²	
	Richmond Valley Coast DCP multi - dwelling	1+2 bed Dwelling = 16m ² 3 bed Dwelling = 25m ²	All POS > 25m²	
SOLAR ACCESS	Housing SEPP	70% for 3hrs in Mid-Winter = 4.2	5 = 83%	

Site Area = 1354.9 m ² by title							CCESS	
DWELLINGS	DWELLINGS Number Type* Beds Area* (m²) POS*							
	1	T/H	2	80	26	6 hr	6 hr	
	2	T/H	2	80	27	6 hr	6 hr	
	3	T/H	3	99	47	6 hr	6 hr	
	4	T/H	3	99	30	2 hr	3 hr	
	5	VILLA	2	74.5	60	4 hr	3 hr	
	6	VILLA	2	73	31	3 hr	2 hr	

PERSPECTIVE

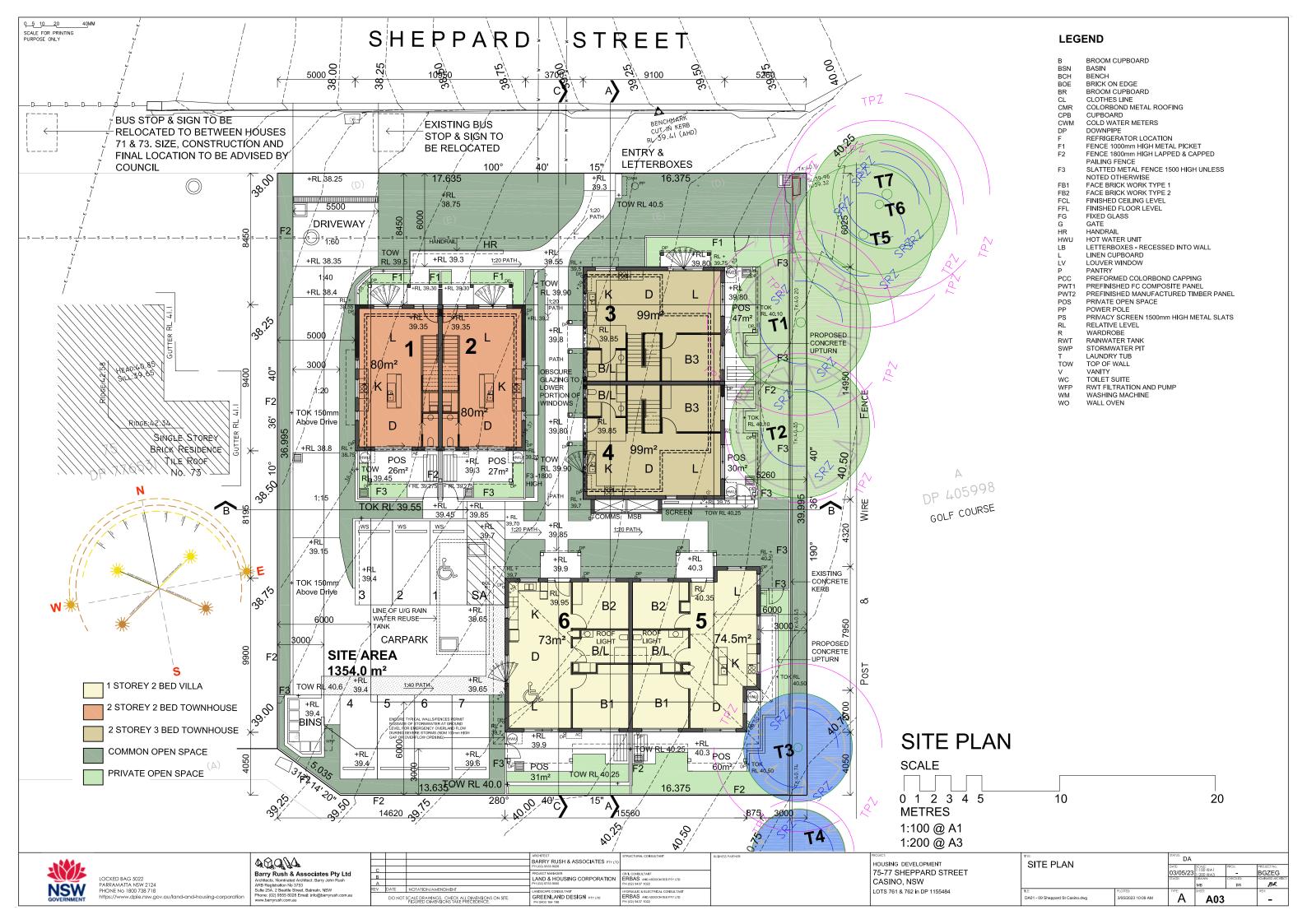


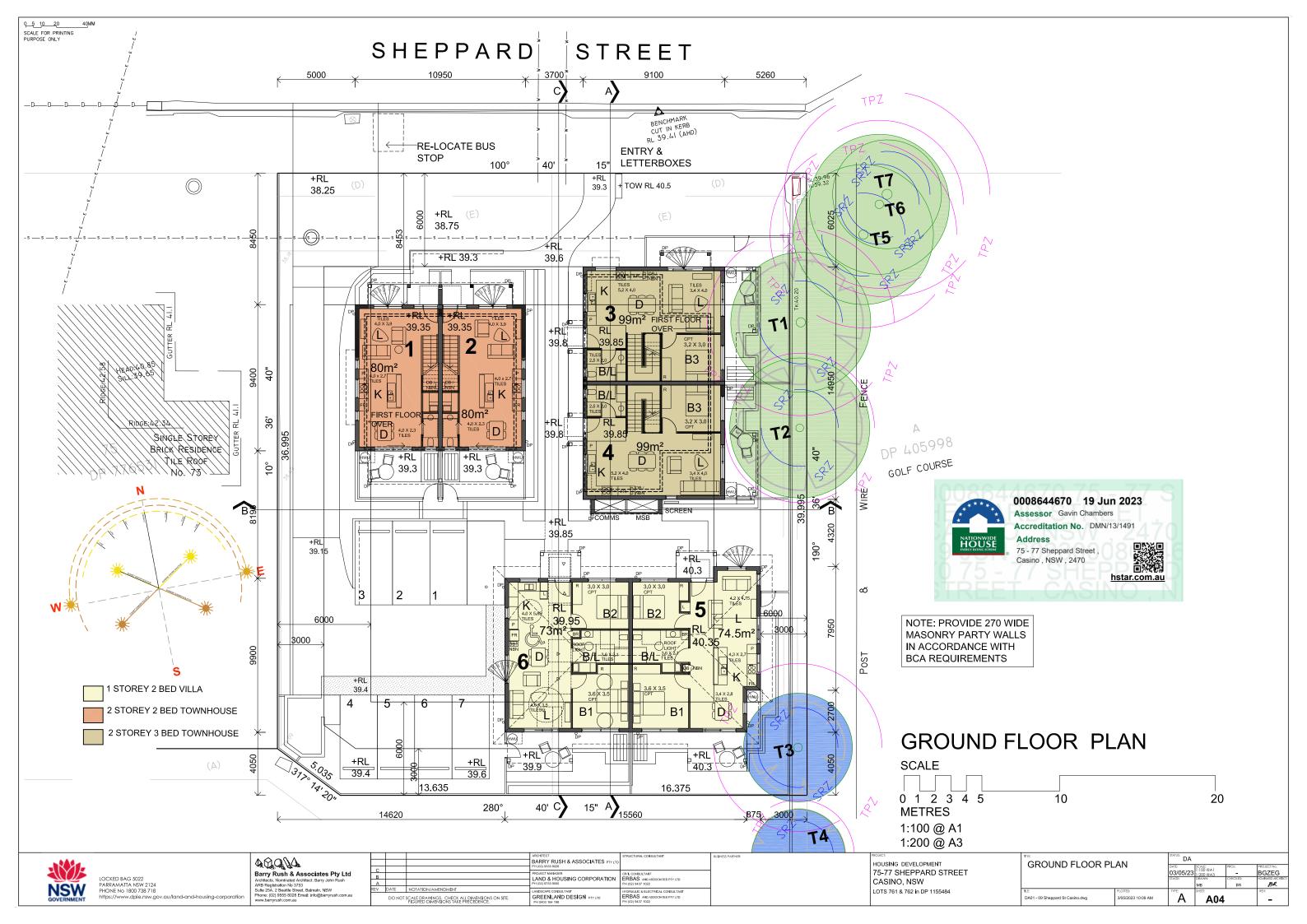
Barry Rush & Associates Pty Ltd Architects. Nominated Architect: Barry John Rush

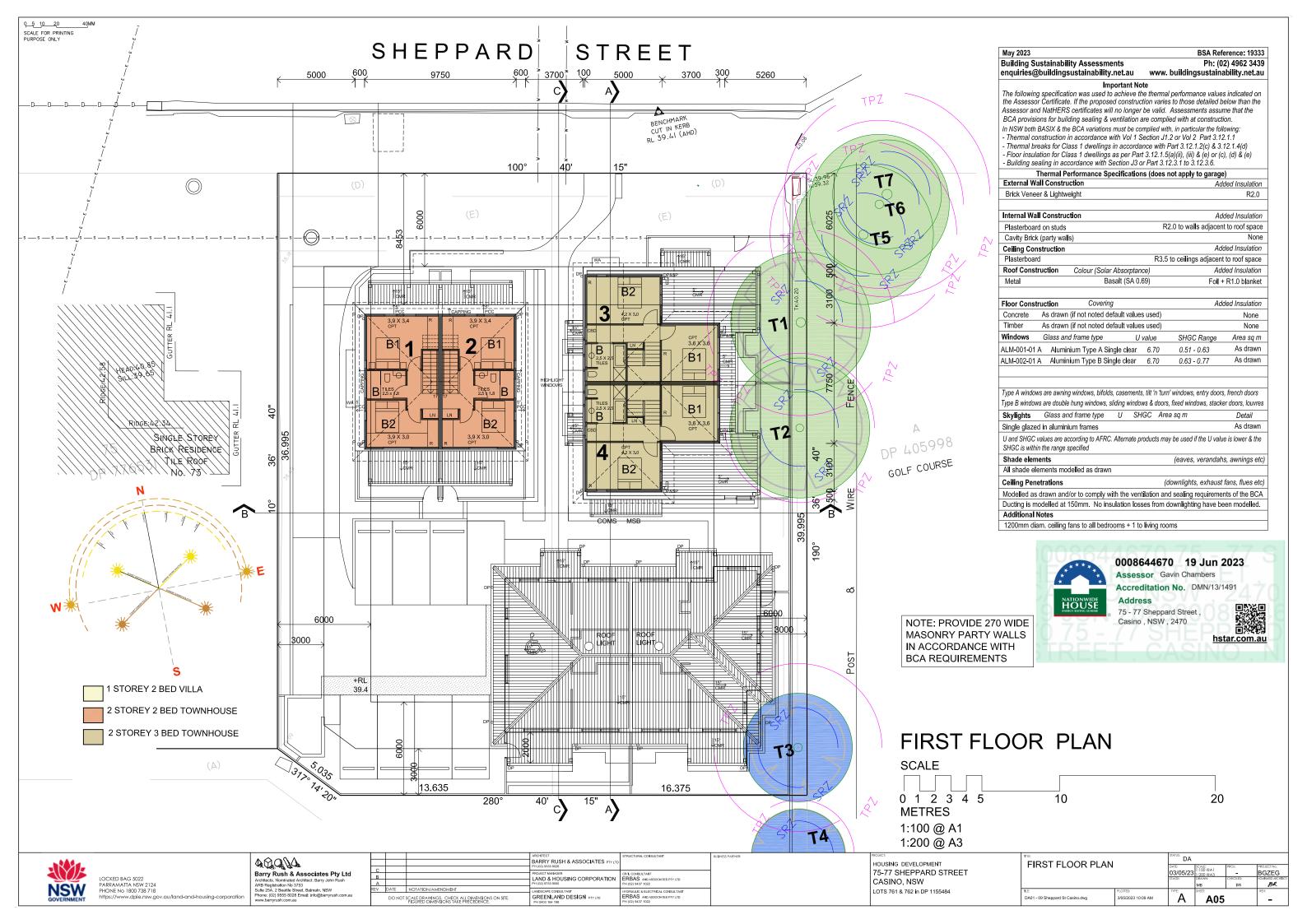
			ARCHIECI	STRUCTURAL CONSULTANT	BUSINESS P
			BARRY RUSH & ASSOCIATES PTYLTD PH (02) 9555 8028		
С			1 1		
В			PROJECT MANAGER	CIVIL CONSULTANT	
A			LAND & HOUSING CORPORATION PH (02) 8753 9000	ERBAS AND ASSOCIATES PTYLTD PH (02) 9437 1022	
EV	DATE	NOTATION/AMENDMENT	LANDSCAPE CONSULTANT	HYDRAULIC & ELECTRICAL CONSULTANT	
DO NOT SCALE DRAWINGS. CHECK ALL DIMENSIONS ON SITE. FIGURED DIMENSIONS TAKE PRECEDENCE.				ERBAS AND ASSOCIATES PTY LTD PH (02) 9437 1022	

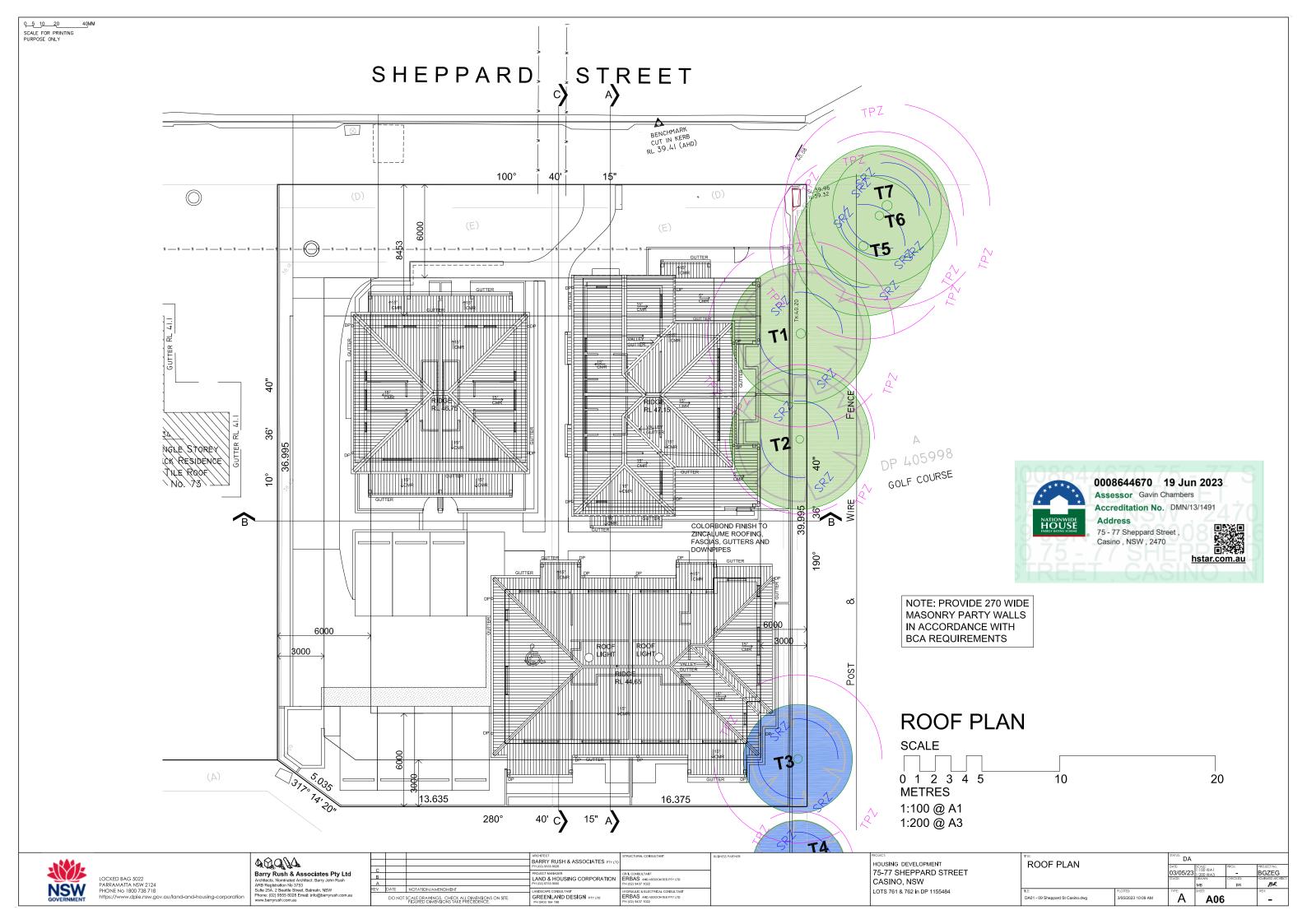
HOUSING DEVELOPMENT 75-77 SHEPPARD STREET CASINO, NSW LOTS 761 & 762 in DP 1155484

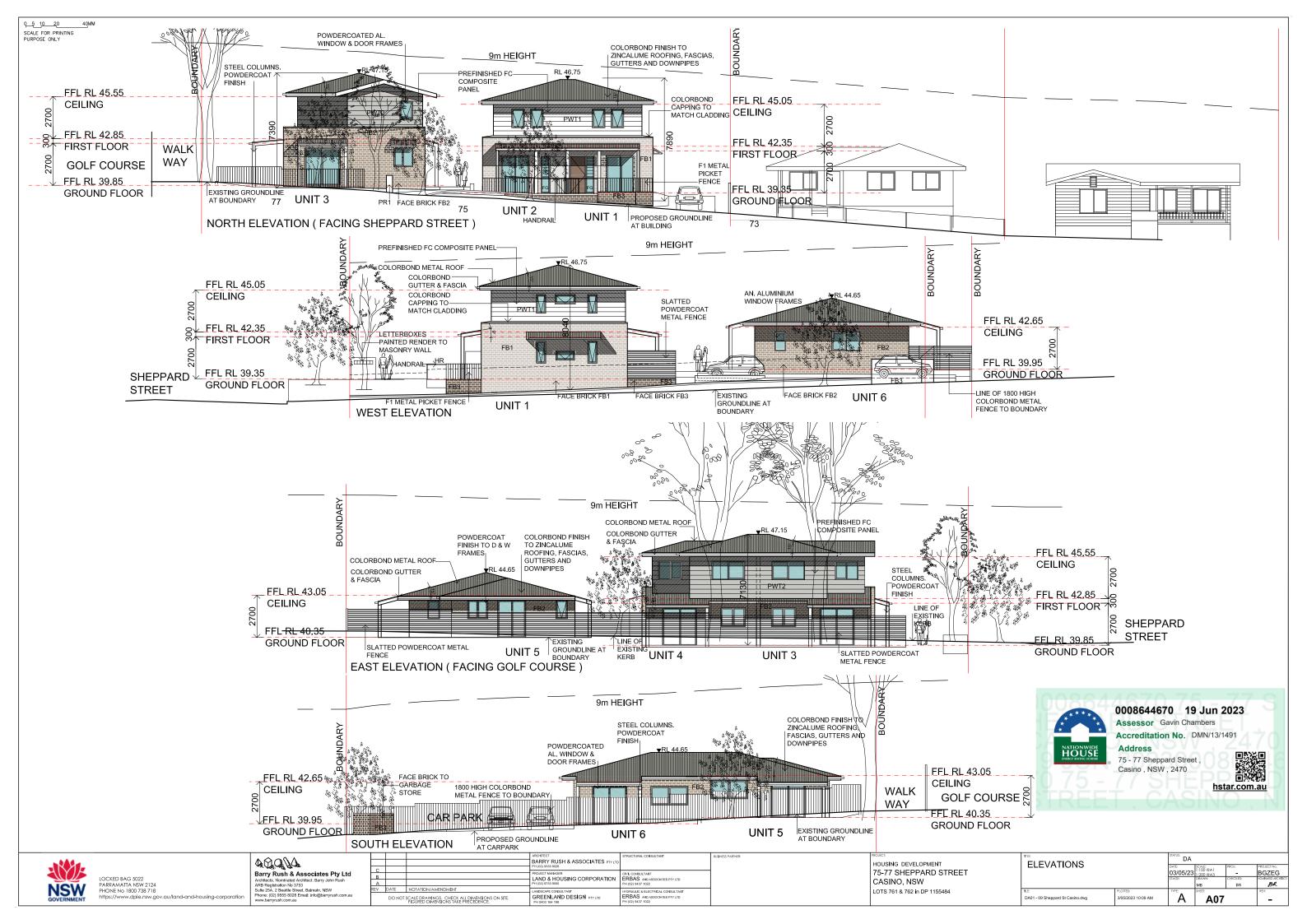
COVER PAGE	STATUS: DA				
COVER PAGE		DATE:	SCALE:	PROJ:	PROJECT No.
		03/05/23	NTS		BGZEG
		STAGE:	DRAWN:	CHECKED:	NOMINATED ARCHITECT:
			мв	BR	BR
RLE:	PLOTTED:	TYPE:	SHEET:		REV:
DA01 - 09 Sheppard St Casino.dwg	3/05/2023 10:09 AM	Α	A01		-

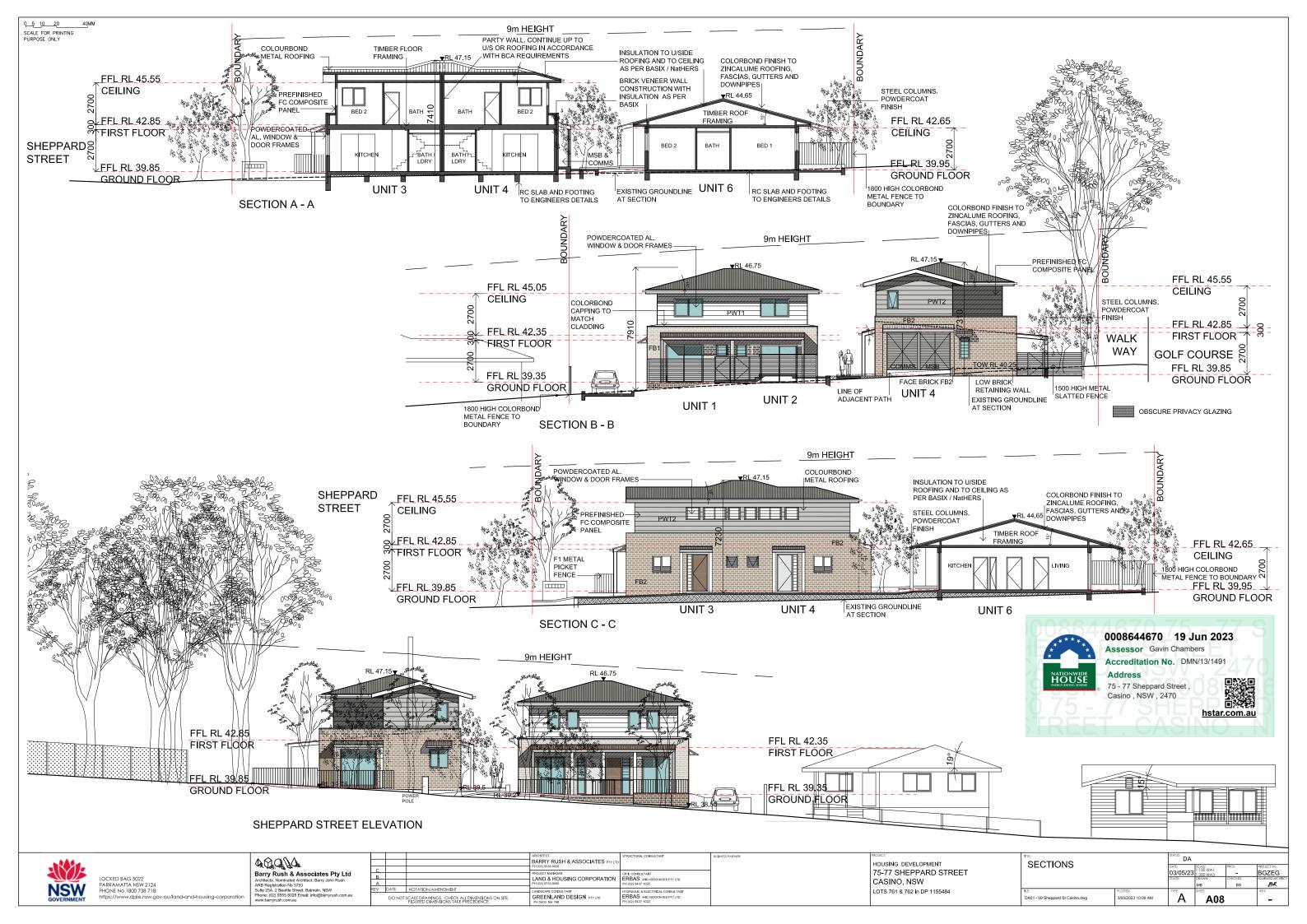












0 5 10 20 40MM SCALE FOR PRINTING PURPOSE ONLY



FINISHES SCHEDULE

CODE	LOCATION	DESCRIPTION	COLOUR
CMR	ROOFING/	CORRUGATED COLORBOND METAL ROOFING	BASALT
СМ1	FASCIA, GUTTER, AWNING, COLUMNS & BEAMS	METAL COLORBOND & GALV STEEL	WINDSPRAY
FB1	WALLS UNITS 1 & 2	FACE BRICK light warm	PGH BRICK VELOUR "CRUSHED GREY"
FB2	WALLS UNITS 3, 4, 5 & 6	FACE BRICK light off white	PGH BRICK VELOUR "MINERAL"
FB3	SITE WALLS & BIN STORAGE	FACE BRICK medium warm	PGH BRICK OPALINE "TOURMALINE"
PR1	LETTERBOX WALL	PAINTED RENDER	DULUX LEXICON HALF
FC1	EAVES LINING & SOFFIT	PAINTED FIBER CEMENT SHEETING	DULUX LEXICON HALF

CODE	LOCATION	DESCRIPTION	COLOUR
PWT1	FIRST FLOOR WALLS UNITS 1&2	RECONSTITUTED HARDWOOD PLANKS -PRE SEALED. PAINT FINISH	WATTYL "WINTER SKY"
PWT2	FIRST FLOOR WALLS UNITS 3&4	RECONSTITUTED HARDWOOD PLANKS -PRE SEALED. PAINT FINISH	WATTYL "SEQUOIA DUSK"
W & D	WINDOWS & GLASS DOORS FRAMING	POWEDERCOATED ALUMNIUM	WHITE
PS	PRIVACY SCREEN	ALUMINIUM HORIZONTAL SLATTED BARS	SURFMIST
F1	METAL FENCES TO FRONT POS	POWDERCOATED METAL	DULUX WINDSPRAY
F2	FENCE	1800 HIGH COLORBOND METAL FENCE	DULUX WINDSPRAY
F3	SLATTED METAL FENCES TO REAR POS	1500 HIGH (UNLESS NOTED OTHERWISE) SLATTED POWDERCOATED METAL FENCE	DULUX WINDSPRAY
D1	FRONT DOOR UNITS 1, 3, 5	PAINT FINISH TO ENTRY DOOR	DULUX "TERRAIN"
D2	FRONT DOOR UNITS 2, 4, 6	PAINT FINISH TO ENTRY DOOR	DULUX "LEXICON HALF"

480M
Barry Rush & Associates Pty Ltd
Architects, Nominated Architect: Barry John Rush ARB Registration No 3753
Sulte 25A, 2 Beattle Street, Balmain, NSW Phone: (02) 9555 8028 Emajl: jnfo@barryrush.com.au
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			ARCHITECT	STRUCTURAL CONSULTANT
С			BARRY RUSH & ASSOCIATES PTYLTD PH (02) 9555 8028	
В			PROJECT MANAGER LAND & HOUSING CORPORATION	CIVIL CONSULTANT ERBAS AND ASSOCIATES PTY LTD
Α			PH (02) 8753 9000	PH (02) 9437 1022
V	DATE	NOTATION/AMENDMENT	LANDSCAPE CONSULTANT	HYDRAULIC & ELECTRICAL CONSULTANT
	DO NOT	CALE DRAWINGS, CHECK ALL DIMENSIONS ON SITE, FIGURED DIMENSIONS TAKE PRECEDENCE.	GREENLAND DESIGN PTYLTD PH 0403 164 198	ERBAS AND ASSOCIATES PTY LTD PH (02) 9437 1022

HOUSING DEVELOPMENT
75-77 SHEPPARD STREET
CASINO, NSW
LOTS 761 & 762 in DP 1155484

EXTERNAL COLOUR SCHEDULE		STATUS: DA			
		DATE:	SCALE: 1:100 @ A 1	PROJ:	PROJECT No.
		03/05/23	1:200 @A3		BGZEG
		STAGE:	DRAWN:	CHECKED:	NOMINATED ARCHITECT:
			мв	BR	BR
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