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02	Perspective Views	1	03.04.2017	28	Level 4 Floor Plan	1	03.04.2017
03	Perspective Views	1	03.04.2017	29	Level 5 Floor Plan	1	03.04.2017
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05	Perspective Views	1	03.04.2017	31	Level 7 Floor Plan	1	03.04.2017
06	Perspective Views	1	03.04.2017	32	Level 8 & 9 Floor Plan	1	03.04.2017
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09	Development Statistics	1	03.04.2017	34	Roof Plan	1	03.04.2017
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24	Ground Floor Plan	1	03.04.2017	80	Library Zoning Plan- Ground	1	03.04.2017
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Forster Civic Precinct Cnr Lake, West & Middle Street

Enyoc Pty Ltd DA Issue 03/04/17 **Cover Sheet** 

5490.01 [1]



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Forster Civic Precinct Cnr Lake, West & Middle Street

Enyoc Pty Ltd DA Issue 03/04/17 Perspective Views

5490.02 [1]



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Perspective Views

5490.03 [1]

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Enyoc Pty Ltd Perspective Views

5490.06 [1]

### THE DESIGN PROPOSAL

The subject site is situated in a central location in the town centre of Forster, and there is an opportunity to create a landmark building and precedent for the surrounding area. Proposed is a mix of uses integrated into a vertical residential retirement community developed wit improved economic & accessibility infrastructure. The development is proposed to be built in four stages

The character of the built form is designed to sit within and enhance the urban setting of Forster. A contemporary aesthetic is used, incorporating elements that provide modulation and interest. The design expression draws inspiration from the forms, materials, patterns, shapes and colours of the natural environment surrounding the site

The project aims to develop an exemplary urban design outcome of high quality architecture tailored to the needs of the council, resident, context and client

The development is comprised of the following:

Community uses - A council library, community centre, community lounge and civic plaza are integrated within stage one.

Commercial uses - A mix of commercial uses are provided across the four stages, comprising a convenience supermarket, restaurant/cafe precinct & retail as well as complimentary uses such as a childcare centre, gm, nightcub and cinema. It is envisaged that these complimentary uses shall draw a trade from within the development and from the wider foster community. Prwate resident facilities are provided such as craft rooms, wellness centre (therapy/day spa/gymnasium/ pool), billiards, home theatre, lounge, bar and kitchen with a roof terrace BBQ area, communal gardens and outdoor recreation spaces.

Independent Living Units (ILU's) - 149 ILU's located in three towers of between 7 & 11 stories built in 3 stages. Stage 1 Tower A accommodates 53 ILU's with a mix of 5 One Bed Units, 25 Two bed Units and 23 Three Bed Units. Stage 2 Tower B accommodates 59 ILU's with a mix of 28 Two bed Units, 29 Three Bed Units, 1 Four Bedroom & 1 Five Bedroom Penthouses. Stage 3 Tower C accommodates 37 ILU's with a mix of 23 Two bed Units, 12 Three Bed Units and 2 Three Bedroom Penthouses.

Hotel Accommodation – A luxury hotel is proposed in stage 4 a tower on podium with 86 Hotel Rooms plus 12 One Bedroom & 6 Two Bedroom Serviced Apartments. The Hotel Podium houses the Lobby, Hotel Services, Restaurant, Function rooms, Night Club, Retail and Childcare Centre.

Car parking - Community, retail and restaurant car parking is provided in basement 1. Hotel car parking is provided in basement 2 and podium. Residential car parking is provided on podium levels.

Urban Design Intent In line with the requirements of MidCoast Council, the development's design has been modelled and layered to achieve compatibility with the surrounding neighbourhood.

### Significance and contribution of the property to the urban domain

The site has three street frontages being located at the corner of Lake Street, West Street and Middle Street. Positioned on the North-Western side of the town in the cafe/beach precinct, the development is ideally located to service the both Forster & Tuncurry with high amenity. The site is closely located to the main arterial route for the town of Forster

There is an opportunity to create a project that will set the standard for and lead the way in the urban design of this precinct. We propose that this size be a hub for the surrounding suburb by designing a striking building that size not in the brain design of the precinct and natural environment, sets a benchmark for mixed use ESD design in the area and achieves exemplary urban design outcomes. Height of buildings and design quality is proposed to create a recognizable visual landmark. Equitable access for members of the community will be addressed throughout the development in particular to public areas and entrances to the buildings

A landmark for the community can be achieved in a variety of ways - Visual, Social, Economic and Environmental. An integration of theses aspects will ensure a holistic sustainable and vibrant outcome as outlined below:

Element	Goals
Articulation	Read level: real on gound level has an increased height reflecting the difference of use and requirement for senicing etc. Articulation of this level allows it to transition from the podium above. Podium: The tapde references natural seaside forms and materials. The unblasting conves and pallaceb battening of the sourcers is abstracted from the forms of the beach and estuary. Plannes behind be scene rosters a gene will over the levels. Realised levels: Located at higher levels, units are angled to capture views and block overlooking. Screens are employed for sum batting and articulation.
Entry Areas	Entry areas are given prominence by features such as changes of materials, height and volume which in turn assist in way-finding. The community extra and liking virtup on Lake Street is designed as a physical indext in the building's form. It creates are eddy on the side of the activity of the street, recessing it away from the faster pace of activity and movement. The entry is given legibility troubs cale of door and takeure entry finame. Assistantial entries anoses the town eddego on at stored. level, including a liketity distinct from the retail asstretice. Retail entries are in shortforts, many of which shall fold open to outdoor areas and engage with the street.
Awnings	Spatially interesting, the curving overhang of level 2 and lower awning manipulates the space along the street. The two story height of the civic precinct overhang provides a larger gesture to the community.
Facade treatment	A legible ancluation of the building massing allows the observer to perceive that changes of use occu within Achicatakon and perceiving of the facate is related to individual unit levels and uses, giving scale and reference to the street and generar size context. A variety of initiates, colours and textures enliven the building diagole and spaces to create interest and errich the arress that are close to interaction at a human scale. Ourlinear forms are given to podium and ground floor levels which accommodate community and retail uses. Angular forms radiating around for views and phasics expess the readential.
Service areas	Service areas are screened from view. They are accessed via the basement and service roads within the site.
Streetscape activation / Linkage	Activation of the streetscape and strengthening of the link to the Estuary parkand, cafe precinct & main street are important Social initiatives and are linked to the main civic plaza by an extended civic spece along Lake Street.
Artwork	A community artist is proposed to participate in the creation of the "oyster pole" landscaping feature which will enrich the vibrancy of the centre and inits to the Wallis Lake foreshore boardwalk. Attwork gives an opportunity to engage with the local sense of place and to reinforce minful connectivity and enhance local profe of place
Connectivity	Visual Connectivity with the surrounding area is achieved by using appropriately scaled elements, patterning of the faped and Materials. In conjunction with the local council urban renewal plan, bikeway development plan and upgrades to the stretectace, the combined outcome well encourage increased podestrian trave to and through the site

Sustainability Goals The landmark mixed use development creates a vibrant, transit oriented hub as a focal point for the community, expressing innovative, cost The initial in the use overlaphies it causes a water, using the initial of the community, expressing involvere, our effective ESD strategies as an integral part of the design. It will deliver improved comfort levels, reduced energy and water consumption and reduced impact on the environment for residents and users. Designing a high level sustainable living environment, will help to achieve social, environmental and economic benefits for the household, operator

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### INVIRONMENTAL SUSTAINABILITY

The design of a building for environmental sustainability needs to address, but is not limited to, energy, water, materials, waste and
andscaping.
The sitting of the building and the landscaping considers the natural features of the site, including topography, the local climate, local flora and
auna, and natural and cultural features.

### Goele

design

Water

Naste

andscaping

fransport	The Development seeks to encourage and enhance active transport options amongst the community by providing off street biolycle parking, biolocie storage, improved pathway access to the immediate site, improved transport linkages and improved access for public transport.
Passive solar lesign	Passive solar strategies are central to the design to minimize the need for non-renewable energy, impose less carbon emissions on

strategies the environment and save cost. Drientation of the built form with maximised northern aspects for solar control, east and west facades with minimal openings, limited to providing desired cross-ventilation and views. A Sun Solar Study has been completed for the Design Concept to assess areas for potential improvement.

- Ventilation strategies Site the built form and site configuration is designed to catch the Natural cooling N.E. sea breezes and optimize natural ventilation via reezeways and cross ventilation throughout the site; Buildings - cross ventilated residential corridors promote well tilated internal spaces. In addition, "breezeway doors" to each partment offer a unique combination of ventilated screen doors and solid front door, an idea borrowed from the traditional ueenslander House (this feature has been successfully used in the Village Centre at Kelvin Grove).
- Maximized natural daylight entry including naturally lit residential lobbies reduce the need for artificial lighting. Opportunities to optimization daylight penetration into dwellings and tenancies Natura lighting has been assessed by a thermal performance assessor Minimised sizing of AC due to above described passive strategies result Active
- technology in a minin npact to the environment and cost. All system will be efficient, high quality technology

hotovoltaics Economic viability of a photovoltaic system will be investigated.

The project has been master planned and controlled through the development process to demonstrate that positive passiv Energy Efficiency solar design has been given a high level of consideration. The project has been designed to minimise extremities in back being may be any rest of my net of or or section of the being of public spaces optimises microdimatic conditions. Design elements including heighter microdimatic factors. The design of public spaces optimises microdimatic conditions Design elements including high performance insulation, shading devises, vegetation buffers, passive solar design and appropriate glazing systems will be implemented to ensure the development creates a comfortable environment, meeting all Section J and Basix requirements. Opportunities to optimise daylight penetration into dwellings and tenancies have been assessed Energy efficient lighting shall be provided

The implementation of podium carparking is intended to reduce the need for mechanical ventilation

- At a minimum, fixtures will include:
- Showerheads that use equal to or less than 6 litres per minute: and
- Taps to bathrooms, kitchen and laundry that use equal to or less than 6 litres per minute. Locally native (endemic) plant species will be used wherever appropriate. In community facilities, wateries urinals & tapped and the usage of 6 litres or less per minute will be used. A water conservation system is being designed for stormwater harvesting and re-use for onsite irrigation. This will aid in the
- reduction of consumption of potable water and benefit the success of the community garden on the site lechanical infrastructure to separate general and recyclable waste from residential towers will be incorporated The location of a community garden area opposite the site on West Street will allow for management of green waste and
- biodegradable food scraps from commercial and residential areas (subject to management framework and community agreements)
- The overall design has taken into consideration the future uses of the building to minimise the requirement for modifications and material disposal. Building products will also be chosen with consideration for their recyclable properties. Materials Feature environmentally friendly materials will include: Park/Commercial furniture which have a recycled content or supplementary cement materials will used where possible All vegetative debris from the site will be mulched and reused wherever possible. Any non-contaminated topsoil will be stockniled and reused where possible. Structural timber will be AFS (Australian Forestry Standard) or FSC (Forest Stewardship Council) accredited. Minimum 50% of the carpet shall have a rating of level 2 or greater under the Australian Carpet Classification, Environmental Classification Scheme. ow emissions paints, sealants, adhesives & engineered wood products should all be considered as standard
  - A thorough site analysis has been conducted prior to planning and design to identify: Areas of prime ecological significance; Areas where clearing and/or major earthworks should specifically not occur;
  - Potential soil issues: and
  - The suitability of the site for potential earthworks and construction.
     Biophilic elements are integrated throughout the site including green roofs, podiums, retention and provision of shade trees, trellis systems and landscaped areas to improve air quality, increase biodiversity and reduce the heat island effect. These increase the health and wellbeing, provide amenity and a pleasant atmosphere.

### Ecosystems

listurbed during

The stormwater management design will demonstrate: • Appropriate water sensitive urban design principles shall be applied to protect both water cycle and infrastructure. and ncorporate stormwater management provisions during and post construction to avoid enhanced risk of flooding and flood damage and to reduce risk of pollution entering waterways. Valuable existing vegetation will be retained wherever practically possible with amendment of mulch and revegetate soils

### CONOMIC SUSTAINABILITY

The project is driven by a clear vision, with defined environmental, economic, social sustainability and liveability enals. Economic sustainab eeds to address, but is not limited to initial construction ongoing maintenance and running and future modification costs

### Element Goals

Initial construction	A thorough site analysis prior to planning and design has been conducted. The project has been planning, designed and is to be constructed in a manner that achieves a balanced earthworks outcome. Planning, implementation and maintenance of effective ension and sediment control measures will be delivered during construction.
Ongoing maintenance and running	Initiatives integrated from the initial design result in a number of cost swings during operation including During operation. BSX8 4 Section J compliance ensures a high level of thermal performance through accuracy, leakage and sealant control. Exercitly efficient design, green roots and passive solar strategies mduce heating / cooling leads. Well design appropriate units for a water orising the section of the section of the section of the Rain water hearing to gotter unconsumption costs; Solar or heat pump hearing to post to reduce electricitly consumption; Materials of durinels, low maintemen characteristics are propeted, resulting in low life cycle and running cost. Of street biolyce parking and boyce stonget to encourage low energy transportation; In addition, building are approped in design to be onto.
Future modification	The design minimizes the need for future modifications to cater for the occupants changing mobility requirements.
Job creation / retail use	Strengthening of retail use in this locality with well considered uses is essential for the continued and improved economic prosperity of the area, including the creation of new employment opportunities.
Community	The project has been designed to encourage a safe environment, with reduced crime and will encourage positive

nteraction between residents/employees/visitors and other local people using the area The provision of a diverse array of retail and community facilities offers a definite economic opportunity for the local . community

## SOCIAL SUSTAINABILITY

The design of a buildings for social sustainability needs to address, but is not limited to, human health and comfort, safety, security and universal design, as well as addressing issues of the broader community. Creation of a social environment to encourage interaction will be hieved through creation of a place of special meaning.

### Element Goals

Human Comfort and Health	The building provides an internal environment that is thermally comfortable while at the same time minimises the presence of totic chemicalis which the building. Improved air quality for integrated vegetation, increased use of natural ventilation taking advantage of the presulting Sub-Takitstory are barrears, and reduced need for air conditioning.
Safety	The likelihood of injuries occurring in and around the building for the aged is reduced. The design minimises the possibility of accidentia fails, burns and posionig.
Security	Attention is given to transparency of facades at street level to ensure that there is passive surveillance and overlooking of publicly accessible areas as well as informal surveillance of the street. The building uses designs, futures and fittings to reduce crime and protect the building from malcious intrudes. Unlike neisign elements to encourage community safety, such as visual connectivity through low height vegetation where appropriate.
Universal design	Equitable access for members of the community will be addressed throughout the development, in particular to public areas and entrances to the buildings. The building is versatile and comfortable for proper with varying physical abilities and at different stages of their lives. It is easy to move around the building, and the operation of fittings and futures caters for people with varying abilities.
Community Building	The provision of a community facilities, new town litery and additional community garden area demonstrates a genuine deforts to allow improved community includement and support services. In conjunctions the ble local council turan researed path. Biwaye development plant and upgrades to the stretexcape, the combined outcome will encourage increased pedestrine tower to and through the site. By integrating a wide mix of uses we can introduce variety to the activities, their times of use for a wide demographic. The building successful contributes to an improved community identity. Additional features include addle partiers for community use, gene scapey, telles systems to scatter the use tame invionment and artwork to engined commutity prote as well as internel/ instrance connections for intereased community connectivy.



Forster Civic Precinct Cnr Lake, West & Middle Street

Enyoc Pty Ltd

03/04/ Design Intent

SSUe

 $\triangleleft$  $\square$  5490.08 [1]

## Usage & Area Schedule

Stage 1		Council Brief Total m <sup>2</sup> Total m <sup>2</sup> Total m <sup>2</sup>	875.6 1712 350 2937.6		Provided	965 1787 355 3107 215 75 270
-	Community Centre Library Visitor Centre Sub total GFA m <sup>3</sup> Contidors/ Lobbies (enclosed) Ground Amenities Ground & Level 1 Residential Office & PWD Shower Ground Restaurant/ Cafés Level 1 Resident's Club (enclosed) Stage 1 Sub total GFA m <sup>3</sup>	Total m <sup>2</sup> Total m <sup>2</sup>	1712 350			1787 3555 3107 317 317 215 75 270
-	Visitor Centre Sub total GFA m <sup>3</sup> Corridory (Lobbies (enclosed) Ground & Level 1 Residential Office Ground & Level 1 Residential Office Ground Staff Bike Enclosure & PWD Shower Ground Restaurant/ Cafés Level 1 Resident's Club (enclosed) Stage 1 Sub total GFA m <sup>3</sup>	Total m <sup>2</sup>	350			355 3107 312 10 215 75 270
-	Sub total GFA m <sup>3</sup> Carridors/ Lobbies (enclosed) Ground Amenities Ground X Level 1 Residential Office Ground Staff Bike Enclosure & PWD Shower Ground Restaurant/ Cafés Level 1 Resident's Club (enclosed) Stage 1 Sub total GFA m <sup>3</sup>					3107 317 215 75 270
	Corridory Lobbies (enclosed) Ground Amenities Ground & Level 1 Residential Office Ground Staff Bike Enclosure & PWD Shower Ground Restaurant/ Cafés Level 1 Resident's Club (enclosed) Stage 1 Sub total GFA m <sup>2</sup>	Number of units	2937.6			215
	Ground Amenities Ground & Level 1 Residential Office Ground \$taff Bike Enclosure & PWD Shower Ground Restaurant/ Cafés Level 1 Resident's Club (enclosed) Stage 1 Sub total GFA m <sup>3</sup>	Number of units				21
Stare	Ground & Level 1 Residential Office Ground Staff Bike Enclosure & PWD Shower Ground Restaurant/ Cafés Level 1 Resident's Club (enclosed) Stage 1 Sub total GFA m <sup>2</sup>	Number of units				21
Stae	& PWD Shower Ground Restaurant/ Cafés Level 1 Resident's Club (enclosed) Stage 1 Sub total GFA m <sup>2</sup>	Number of units				27
5	& PWD Shower Ground Restaurant/ Cafés Level 1 Resident's Club (enclosed) Stage 1 Sub total GFA m <sup>2</sup>	Number of units				27
-	Level 1 Resident's Club (enclosed) Stage 1 Sub total GFA m <sup>2</sup>	Number of units	_			
-	Stage 1 Sub total GFA m <sup>2</sup>	Number of units				
-	Stage 1 Sub total GFA m <sup>2</sup>	Number of units				44
-		Number of units		and the second		132
	2 Bed Units			No. Unis with Ventilition Complance	No. Units with 3 hrs Daylight Compliance	m
	2A.1 x 19 @ 107m <sup>2</sup> 2A.2 x 9 @ 109.Bm <sup>2</sup>	28		28	24	302
Developer Stage 2	3 Bed Units 3C.1 + 15 @ 121.7m <sup>4</sup> 3D.1 + 14 @ 125.4	29		29	29	361
	4 Bed Penthouse Units 1 x @ 456.3m <sup>2</sup>	1		1	1	45
	5 Bed Penthouse Units	1		1	1	50
st	Total no. Stage 2 Units	59		59	55	1.
	Corridors/ Lobbies (enclosed)	and the second se				86
5	Ground Amenities		N			1
	Ground Supermarket		1	5		84
	Ground Retail			A		8
	Ground Gym					26
	Ground Restaurants/ Cafes					30
	Level S Resident's Recreational Facilities (enclosed)					55
	Level 6 Resident's Amenities/ Sauna (enclosed)					5
	(enclosed) Stage 2 Sub total GFA m <sup>2</sup>					1058
	2 Bed Units					
e 3	2A.1 x 5@ 107m <sup>2</sup> 2A.2 x 5@ 109.8m <sup>2</sup> 2A.3 x 9@ 112.6m <sup>2</sup>	19		g	2	209
	3 Bed Units	10		10	0	186
Stage		2		2	2	43
	Total no. Stage 3 Units	31	1	21	4	4 2 2 4
	Total no. Units (Stages1,2,3)	143		1	10 m m	-
	Corridors/ Lobbies (enclosed)	10 M				30
	Ground/Level 3 / 4 Cinema Stage 3 Sub total GFA m <sup>2</sup>		-	-		214

Uses		Areas			
( )	1 Bed Units	5	5	0	38
e 4	2 Bed Units 2A 1 x 24 # 107m*	25	25	20	267
Stage	3 Bed Units M.1 x 12 (# 126.5m² M2 x 59 (16.6m² M2 x 69 (11.7m²	23	23	23	292
	Total no. Stage 4 Units	53	53	43	599
~	Hotel Room Type BA 1	and the second	ma	m	293
	Hotel Room Type 0B.1 #38.7m <sup>8</sup>	4			15
	Hotel Room Type OC.1 @ 41.5m <sup>1</sup>	4			16
	Hotel Room Type 0D.1	8			27
indoin in	1 Bed Serviced Apartment 181+9 @ 645m <sup>4</sup> 10.1+1 @ 100m <sup>4</sup> 10.1+1 @ 551m <sup>4</sup> 10.1+1 @ 551m <sup>4</sup>	12			78
age 5	2 Bed Serviced Apartment 78.1 + 3 @ 54m <sup>2</sup> PC.1 + 1 @ 30.4m <sup>2</sup> 20.3 + 1 @ 82.4m <sup>2</sup> 21.3 + 1 @ 82.4m <sup>2</sup>	6			55
Staj	Total no. Hotel Rooms	102			
	Corridors (enclosed)				69
	Basement 1 Hotel Back of House		2.11		35
	Basement 1 Hotel Lobby Ground Childcare (including outdoor				12
	play)				38
	Ground Retail				19
	Ground/ Basement 1 / 2 Night Club				81
	Ground Hotel Bussiness Centre				8
	Level 1 Restaurant/ Kitchen		10		46
	Level 1 Amenities				5
	Level 1 Function Rooms/ Lounge				46
	Level 1 Terrace Dining /Bar				16
-	Stage 5 Sub total GFA m <sup>2</sup> Total GFA m <sup>2</sup>				36:4





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Forster Civic Precinct Cnr Lake, West & Middle Street For Enyoc Pty Ltd

Development Statistics

**5490.09**[2]

DA Issue 17/02/20



Forster Civic Precinct Cnr Lake, West & Middle Street

Enyoc Pty Ltd DA Issue 03/04/17 Location Plan

5490.10 [1]





Forster Civic Precinct Cnr Lake, West & Middle Street

Enyoc Pty Ltd DA Issue 03/04/17 Site Context Diagram



## Ecologically Sustainable Design (ESD)

The building design reflects a considered and efficient use of natural resources. Low embodied energy, low maintenance and high durability materials will be used where possible. Effective cross-flow ventilation will be achieved in the apartments with the use of tested 'breezeway entry doors' (see diagram adjacent) and open central stairs/corridors. This allows natural cross ventilation without the loss of visual privacy or security.

Sun studies have informed the positioning of external sunscreens to allow shading to protect glazing form direct sunlight.

The building will incorporate energy and water efficient devises appropriate to the specification of the building and awareness of needs unclear on this. Details are provided in the BASIX report.

The following ESD initiatives have been incorporated into the design:

## Water

- 1 Rainwater harvesting and re-use in
- units and landscape 2)Swimming pool/ spa water efficiency • achieved by efficient filtrations system,
- and backwash treatment & re-use • (3) Reduced potable occupant amenity water consumption by efficient fixtures and fittings
- 4 Vegetation uses native drought • tolerant species where appropriate

## Materials

- 6 The use of recycled timber to promote conservation values
- (7) Locally sourced materials to reduce emissions (low embodied energy materials)
- (8) Selection of high durability materials
- (9) VOC emissions will be reduced through the use of natural fibre carpets and low VOC paints for occupied spaces

## **Emissions/Transport**

- (10) Pedestrian links to bus stations,
- ocean boulevard and lake boardwalk • (11) Cycling paths linked to urban
- surrounds • (12) Secure bicycle parking and end of trip facility to encourage active
- travel options 13 Naturally ventilated podium carpark & trellis wall

## Energy

- (14) Passive solar design (screening, building orientation) and take advantage of winter sun
- apartments • (17) Energy efficient appliances



ESD Diagram - Sectional Perspective



## Indoor environment quality

- (18) Dwelling ceiling fans promote ventilation
- (19) Louvers to bedrooms increase cross ventilation •
- (20) Breezeway entry doors and natural ventilation to lobby •
- corridors (21) Dwelling design inclusive of private external spaces • with appropriate solar access and shade to improve health and wellbeing
- (22) Large translucent skylights with sunshades to public plaza to maximise natural light whilst reducing directsolar heat gain

## Initiatives

- (23) Waste management plan
- (24) Domestic sub-metering for water, electricity and gas •
- (25) Open landscaped areas for active recreation and exercise •
- (26) Shaded seating areas activates outdoor usage for pedestrians
- (28) Residential swimming pool •
- 29 Open yoga lawn terrace for informal seating and gathering •
- (30) Roof top planters to reduce solar heat gain •
- (31) Roof top gardens for residential use to promote an active community •
- 32 Street shade trees & median planting to soften pedestrian walkways •
- (33) Co-location of community services, supermarket, restaurants in an integrated mixed use development

(15) Apartments have been designed so living areas are open to daylight

• (16) Thermal comfort will be achieved by inclusion of ceiling fans within





03/04/ Issue AD

## **TVS** architects SOLARIS

Forster Civic Precinct Cnr Lake, West & Middle Street For

Enyoc Pty Ltd

ESD Strategies

5490.12 [1]



Site - Winter Solstice 9am



Site - Winter Solstice 12pm



Site - Winter Solstice 3pm



Site - Summer Solstice 12pm



Site - Summer Solstice 3pm

## **TVS** architects SOLARIS

Forster Civic Precinct Cnr Lake, West & Middle Street

Enyoc Pty Ltd

Latitude:

Longitude:

-32.180237

152.511502

Shadow Diagrams



















12pm Winter Solstice - Level 6 Scale @ A1





3pm Winter Solstice - Level 6 Scale @ A1 ©TVS architects 3/04/2017 3:31:03 PM





1pm Winter Solstice - Level 6 Scale @A1





11am Winter Solstice - Level 6





2pm Winter Solstice - Level 6 Scale @A1

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Enyoc Pty Ltd DA Issue 03/04/17







9am Summer Solstice - Level 6 Scale @ A1



12pm Summer Solstice - Level 6 Scale @ A1

10am Summer Solstice - Level 6 Scale @ A1





11am Summer Solstice - Level 6 Scale @ A1



2pm Summer Solstice - Level 6 Scale @A1

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Enyoc Pty Ltd DA Issue 03/04/17

Sun Penetration Design Study For Sunshading

Scale (m) 1: 1500 @A3

5490.15 [1]

Scale (m) 1:750 @A1



1pm Summer Solstice - Level 6 Scale @A1







Forster Civic Precinct Cnr Lake, West & Middle Street

For Enyoc Pty Ltd

Communal Open Space Diagrams

5490.16 [1]

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Forster Civic Precinct Cnr Lake, West & Middle Street

Enyoc Pty Ltd Waste Management Plan





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Scale (m) 1:1000 @A1 Scale (m) 1:2000 @A3

N

Enyoc Pty Ltd Staging Plan





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 Enyoc Pty Ltd

 Site Plan

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## Parking Schedule Level Description BLDG A-Basement 1 / Lower Ground Level Hotel BLDG A-Basement 1 / Lower Ground Level Libray Findycee BLDG A-Basement 1 / Lower Ground Level MPD Bay BLDG A-Basement 1 / Lower Ground Level MPD Bay BLDG A-Basement 1 / Lower Ground Level Retail Bay BLDG A - Basement 1 / Lower Ground Level Retail Bay BLDG A - Basement 1 / Lower Ground Level Retail Bay (Small) BLDG A - Basement 1 / Lower Ground Level BLDG A - Level 1 BLDG A - Level 1 BLDG A - Level 1 3.2 Residential Bay 3.8 Residential Bay BLDG A - Level 2 2.4 Residential Bay 3.2 Res. Tandem Bay 3.2 Residential Bay 3.8 Residential Bay BLDG A - Level 2 BLDG B - Level 1 3.2 Res. Tandem Bay 3.2 Residential Bay 3.8 Residential Bay BLDG B - Level 2 3.2 Res. Tandem Bay 3.2 Residential Bay 3.8 Residential Bay BLDG C - Basement 2 BLDG C - Basement 2 BLDG C - Basement 2 Hotel PWD Bay Grand Total

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Forster Civic Precinct Cnr Lake, West & Middle Street

Enyoc Pty Ltd Lower Basement 2 Plan





Parking Sche	edule	
Level	Description	Count
DG A - Basement 1 / Lower Ground Level	Hotel	3
LDG A - Basement 1 / Lower Ground Level	Library Employee	1
DG A - Basement 1 / Lower Ground Level	Library Loading Bay	
LDG A - Basement 1 / Lower Ground Level	PWD Bay	(
DG A - Basement 1 / Lower Ground Level	Retail Bay	233
DG A - Basement 1 / Lower Ground Level	Retail Bay (Small)	1
LDG A - Basement 1 / Lower Ground Level		252
DG A - Level 1	3.2 Residential Bay	13
DG A - Level 1	3.8 Residential Bay	
.DG A - Level 1		1
LDG A - Level 2	2.4 Residential Bay	
LDG A - Level 2	3.2 Res. Tandem Bay	2
LDG A - Level 2	3.2 Residential Bay	4
.DG A - Level 2	3.8 Residential Bay	1
LDG A - Level 2		71
.DG B - Level 1	3.2 Res. Tandem Bay	20
.DG B - Level 1	3.2 Residential Bay	35
.DG B - Level 1	3.8 Residential Bay	(
.DG B - Level 1		6:
.DG B - Level 2	3.2 Res. Tandem Bay	18
.DG B - Level 2	3.2 Residential Bay	40
.DG B - Level 2	3.8 Residential Bay	40
.DG B - Level 2		6
LDG C - Basement 2	Hotel	35
LDG C - Basement 2	PWD Bay	-
LDG C - Basement 2		42
rand Total		513

Forster Civic Precinct Cnr Lake, West & Middle Street

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Upper Basement 1 Plan





Street Parking Schedule
Description Court
T1
Street Parking 71
Street Parking 71
Street Parking Schedule
Description Court

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Forster Civic Precinct Cnr Lake, West & Middle Street

Enyoc Pty Ltd Ground Floor Plan







Forster Civic Precinct Cnr Lake, West & Middle Street

Enyoc Pty Ltd DA Issue 17/03/20 Level 1 Floor Plan

For





Forster Civic Precinct Cnr Lake, West & Middle Street

Enyoc Pty Ltd DA Issue 03/04/17 Level 2 Floor Plan



West Street

Middle Street



Forster Civic Precinct Cnr Lake, West & Middle Street

Enyoc Pty Ltd Level 3 Floor Plan





Forster Civic Precinct Cnr Lake, West & Middle Street

Enyoc Pty Ltd Level 4 Floor Plan





Forster Civic Precinct Cnr Lake, West & Middle Street

Enyoc Pty Ltd Level 5 Floor Plan





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Level 6 Floor Plan



Scale (m) 1:250 @A1 Scale (m) 1:500 @A3

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Forster Civic Precinct Cnr Lake, West & Middle Street For

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Level 7 Floor Plan







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Level 8 & 9 Floor Plan



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Level 10 Floor Plan Scale @ A1 1:250

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Level 10 Floor Plan





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Roof Plan





Area Schedule Unit 3D.1			
Name Area			
3D.1	125.4 m <sup>2</sup>		
3D.1	26.7 m <sup>2</sup>		
	152.2 m <sup>2</sup>		

Area Schedule Unit 3B.2				
Name	Area			
3B.2	124.6 m <sup>2</sup>			
3B.2	22.7 m <sup>2</sup>			
	147.3 m <sup>2</sup>			

28/08/17 SSUG K  $\square$ 

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Scale (m) 1:100 @A1 Scale (m) 1:200 @A3

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Typical Unit Plans

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Cnr Lake, West & Middle Street

Enyoc Pty Ltd Typical Unit Plans

5490.40 [1] MIRRORED 2 6 8 1 Scale (m) 1:100 641 Scale (m) 1:200 643



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Forster Civic Precinct Cnr Lake, West & Middle Street For

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Typical Unit Plans



N





Forster Civic Precinct Cnr Lake, West & Middle Street

Enyoc Pty Ltd Typical Unit Plans





Hotel Typical - (0A.1) Scale @A1 1:100

 Name
 Area

 0A.1
 43.2 m²

 0A.1 Balc
 6.7 m²

 49.8 m²









Hotel Typical - (0D.1)	Area Schedu	ile Unit OD.1
Scale @ A1 1:100	Name	Area
Scale WAI 1.100	0D.1	34.2 m <sup>2</sup>
	OD.1 Balc	10.9 m <sup>2</sup>

1B.1 Balc <sup>8 m<sup>2</sup></sup>	Living of	Kitchen/ D	ning 1B.1 43m <sup>2</sup>	Batt
	Lower Level (	L6)		



hGe

Upper Level (L7)





Lower Level (L6)



Upper Level (L7)

Service	d Apt	· (1C.1)	Area Sched	ule Unit 1C.1
Scale @ A1	1:100		Name	Area
			10.1	60.9 m
			1C.1 Balc	10.4 m <sup>2</sup>
				71.3 m

R R	Kitchen
Bed 1	1D.1 59 m <sup>2</sup> Entry Dining
	1D.1 Balc

Level 6 Serviced Apt. - (1D.1) Area Schedule Unit 1D.1 Name Scale @ A1 1:100 1D.1 Balc

Area

59.3 m<sup>2</sup>

21.2 m<sup>2</sup>



Serviced Apt. - (1E.1) Scale @A1 1:100



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Enyoc Pty Ltd Typical Unit Plans

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Hotel Typical - (0B.1) Scale @A1 1:100

45.1 m


Area Schedule Unit OB.1

Name 08.1 08.1 Balc Area 38.7 m<sup>2</sup> 10.4 m<sup>2</sup> 49.1 m<sup>2</sup>



Hotel Typical - (0B.1) Scale (0A1) 1:100



Hotel Typical - (0C.1) Scale @ A1 1:100

Area Schedule Unit OC.1 Name 0C1 0C1 Balc Area 41.5 m² 14.9 m² 56.4 m<sup>2</sup>

Area Schedule Unit 00.1

Name 00.1

001Belc

Area 34.2 m<sup>2</sup> 10.9 m<sup>2</sup> 45.1 m<sup>2</sup>



Hotel Typical - (0D.1) Scale @ A1 1:100





Serviced Apt. - (1B.1) Scale @ A1 1:100 Area Schedule Unit 18.1 Name 1B.1 1B.1 Balc



Arta 64.5 m<sup>2</sup> 7.6 m<sup>2</sup> 72.1 m<sup>2</sup>

1E.1 86m<sup>2</sup>

Serviced Apt. - (1E.1) Scale @ A1 1:100

Level 6

1E.1 Balc 15 m<sup>2</sup>

Area Schedule Linit 1E.1

Area 85.8 mil 152 mil 1010 mil

Name IE1 IE1Balc

Beg

Lower Level (L6)



Serviced Apt. - (1C.1) Area Schedule Unit 1C1 Scale @ A1 1:100 Name Area 60.9 m² 10.4 m² 71.3 m² IC1 IC1 Balc

Kitchen	Я
A 101 Entry	Ens III
Dining	10 1
(2) - shive	Bed 1
20 12 -	00
101 Balc	Contraction of the
10.1 Balc 21 m <sup>2</sup>	

Level 6 Serviced Apt. - (1D.1) Scale @ A1 1:100

Name 1D.1 1D.1 Balc







Forster Civic Precinct Cnr Lake, West & Middle Street

Enyoc Pty Ltd DA Issue 03/04/17 Typical Unit Plans







Upper Level (L7)

Serviced Apt. - (2B.1) Area Schedule Lint 28.1 Scale @ A1 1:100 Name Area 
 Name
 Area

 2B.1
 94.0 m²

 2B.1 Balc
 8.8 m²

 102.8 m²



Upper Level (L7)



Area Schedu	ile Unit 20.1
Name	Area
20.1	100.4 m <sup>2</sup>
2C.1 Balc	7.4 m <sup>2</sup>
	107.8 m <sup>2</sup>

2D.1 Balc 21 m <sup>2</sup>	Kitchen/	R R Entry
	Bed 1	Bath

Level 6

Serviced Apt (2D.1)	Area Schedu	le Unit 2D.1
Scale @ A1 1:100	Name	Area
Scale WAI 1.100	2D.1	87.6 m <sup>2</sup>
	2D.1 Balc	20.7 m <sup>2</sup>
		108.3 m <sup>2</sup>



Lower Level (L6)



Serviced Apt (2E.1)	Area Schedule Unit 2E.1	
Scale @ A1 1:100	Name	Area
	2E.1	87.5 m <sup>2</sup>
	2E.1 Balc	24.1 m <sup>2</sup>
		111.6 m <sup>2</sup>



Forster Civic Precinct Cnr Lake, West & Middle Street

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В	J	Bath
1000	-	Entry
Kitchen/ Dining	8	8-8ed 2

Level 6

Serviced Apt. - (2D.1) Scale 2 A1 1:100



Lower Level (L6)



Upper Le	vel (L7)	
Service	ed Apt.	- (2E.1
Scale @ A1		

Area Schedule Unit 2E.1 Name 2E1 2E1 Balc Area 87.5 m<sup>2</sup> 24.1 m<sup>2</sup> 111.6 m<sup>2</sup>

Area Schedule Unit 20.1

Name 2D.1 2D.1 Balc Area 87.6 m<sup>2</sup> 20.7 m<sup>2</sup> 108.3 m<sup>2</sup>



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Enyoc Pty Ltd Level 4 - Cinema Plan

DA Issue 26/06/17



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#### North Elevation - Lake Street Scale @ A1 1:200



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West Elevation - West Street Scale @ A1 1:200



South Elevation - Middle Street Scale @ A1 1:200

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Building A Maximum height RL 31.200 Lake Street 11 III Community Lounge Civic Plaza Line of Basement Building A - West Sectional Elevation



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Elevations

5490.52 [3]







Stage 1 - West Elevation

(Demonstrating facade treatement planned, if Stage 2 doesn't follow immediately.)

-Temporary glazing to retail

Femporary decorative screening to be reused in Stage 2

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Site Sections

5490.60 [1]



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5490.70 [1]



#### Materials/Colour Legend

	paint - white
2	paint - teal
3	paint - monument
1	paint - ochre
5	paint - black
5	concrete - natural
7	concrete - ochre
3	timber - clear
<u>۱</u>	timber compaction

- 10 11 12
- timber compact laminate glass green tint aluminium painted batten screen aluminium perforated screen white

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**5490.71** [1]



#### Materials/Colour Legend

paint - white
paint - teal
paint - monument
paint - ochre
paint - black
concrete - natural
concrete - ochre

- 10 11 12
- timber clear timber compact laminate glass green tint aluminium painted batten screen aluminium perforated screen white

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Lake Street



Library Zoning Legend Community Centre Common Building Areas Library Visitor Centre

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Enyoc Pty Ltd DA Issue 17/02/20 Ground





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Enyoc Pty Ltd DA Issue 17/02/20 Level 1





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Level 2 Floor/ Roof Plan - Stage 1 Scale @ A1 1:250



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Level 2 Floor/Roof Plan -Stage 1 Only

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Elevations - Stage 1 Only

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Issue 29/05/19 AD



Scale @ A1 1:200





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Elevations & Section -Stage 1 Only

5490.88[1]



DA Issue 29/05/19