Central Coast Quarter 26 Mann Street Gosford

DESIGN REPORT DEC 2021



240





D K O



Community

Home of the Darkinjung people, the area was once an important corridor for indigenous communities for both trade and movement. Today the region is abundant with natural beauty and rich in cultural heritage, with over 7,000 registered Aboriginal sites and continues to boast a diverse indigenous community.



Connection to Land The Kurringai people followed a hunter/gatherer existence stemmed from a deep and spiritual understanding of the land. Post-settlement, the city's economy was formed on agriculture and horticulture.

Principal city of the Broken Bay district with an integrated transport system linked by railway lines and major arterial roads, including the Pacific Highway.

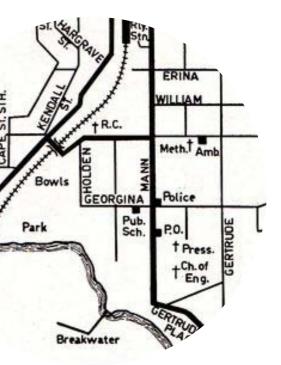


The proposed development creates a place for the city to thrive. It protects and promotes the fine grain retail of Mann Street to establish a new benchmark for an active and functional city spine. The built form draws upon and celebrates Gosford's unique identity to facilitate an attractive and desirable setting for both its residents and the public realm.

Brisbane Water Part of the traditional lands of the Darkinjung and Kuringgai Aboriginal people. The predominant harbour borders Gosford and is sculpted by sandstone gorges, playing an important role in the city's past and present.

Mann Street Streetscape The architectural language of the articulated podium is inspired by Mann Street's historic streetscape. Implications of parapet scale and rhythmic notions of the retail fronts are invoked in the ground plane of the proposed development.

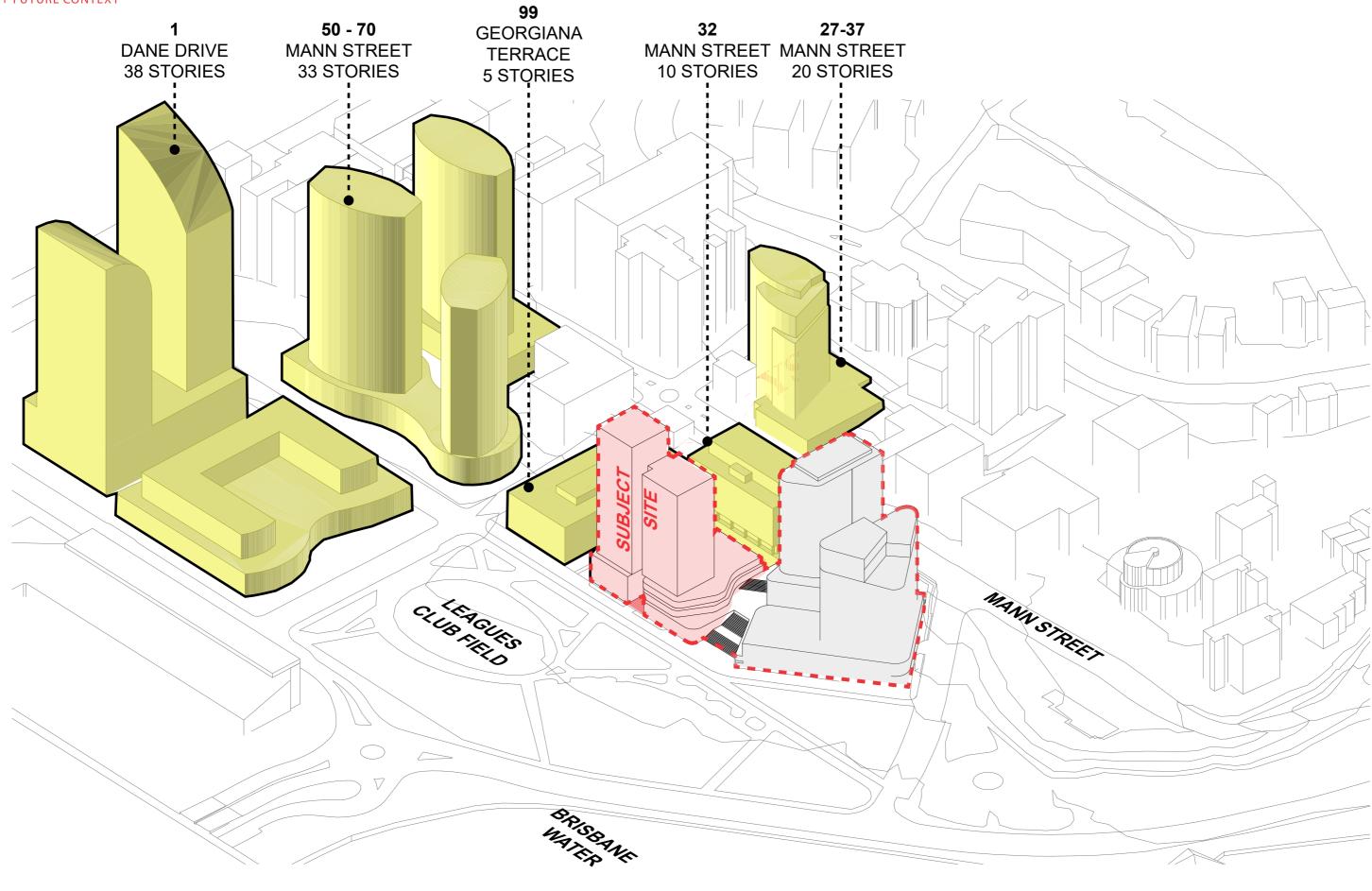
DKO ARCHITECTURE



Connected Routes

DESIGN REPORT

UNDERSTANDING THE SITE FUTURE CONTEXT



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DESIGN REPORT

UNDERSTANDING THE SITE LEAGUES CLUB FIELD CONCEPT PLAN

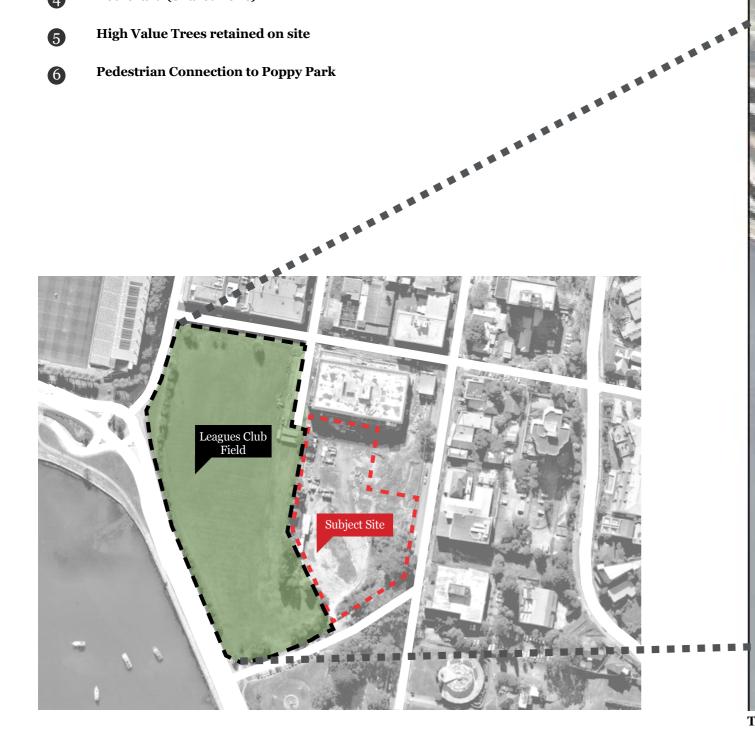
The Green / Playing Field 1

- 2 Nature Play
- **Community Node** 3

Boulevard (Shared zone) 4

High Value Trees retained on site 5

6 Pedestrian Connection to Poppy Park





Turf Design Studio 2019



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| DESIGN REPORT



DKO ARCHITECTURE



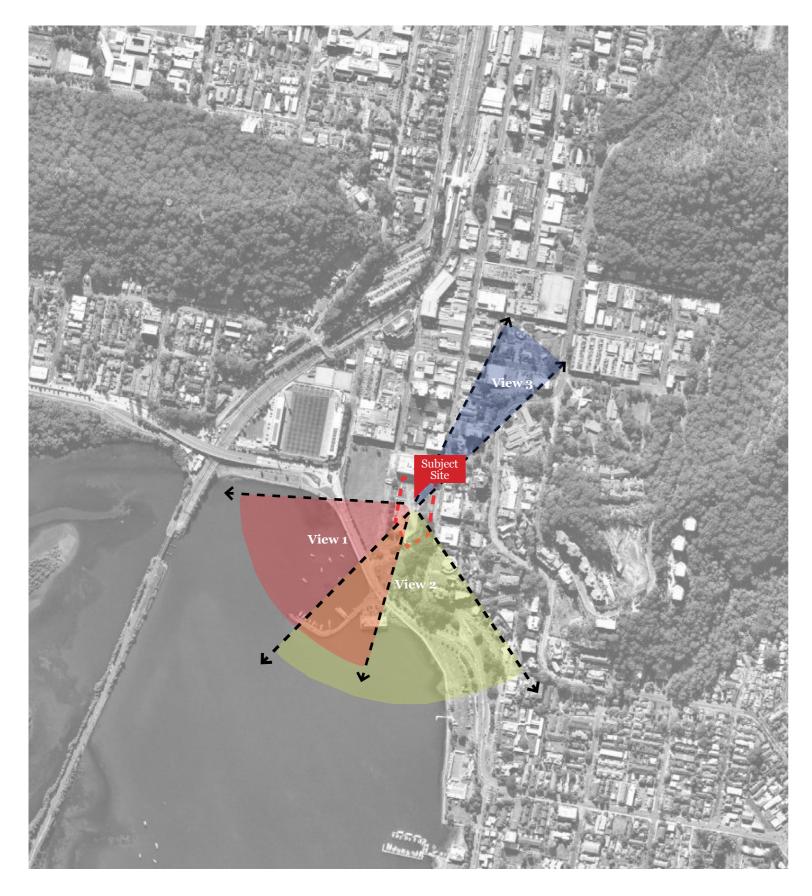
CENTRAL COAST QUARTER

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Key



Public Open Space Off Street Parking Commercial Interface Green Interface High Noise Interface View potential





High Level South-West Views to Brisbane Water View 1:



View 2:



View 3: High Level North-East Views to Reserve

CENTRAL COAST QUARTER

GOSFORD

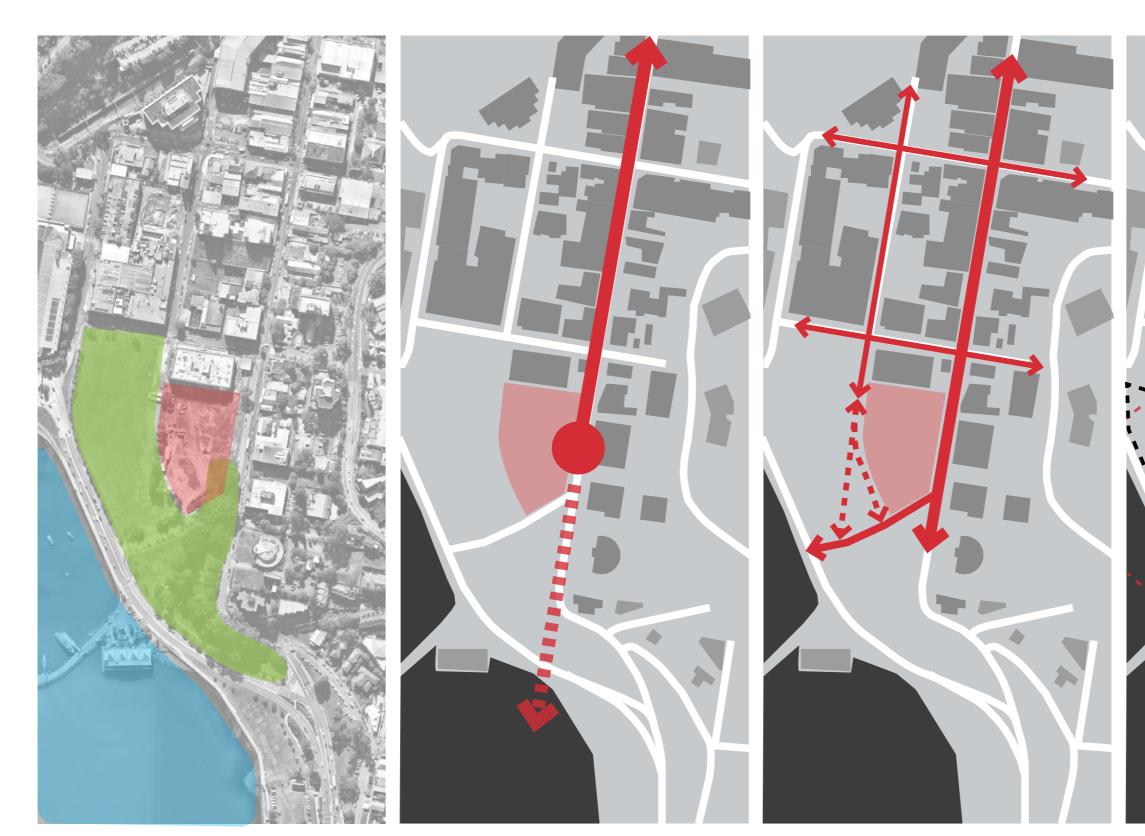
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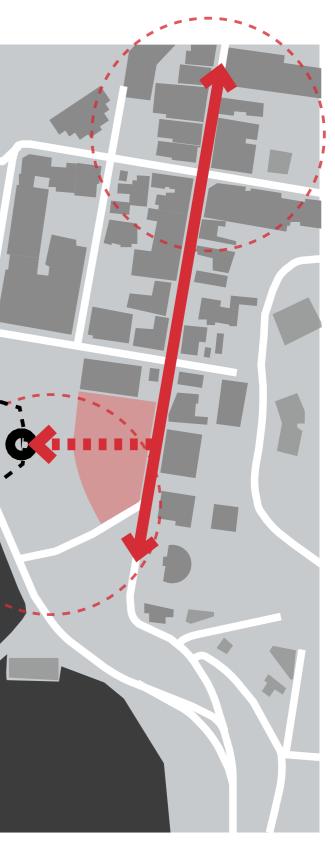
RETENTION OF NATURAL CHARACTER Respecting the Parkland and Exising Vegetation

UNDERSTANDING MANN STREET The site is the start of Mann Street and visually prominent

CONNECTING THE GRID Extend public activity to the Park, Waterfront and Site

precinct

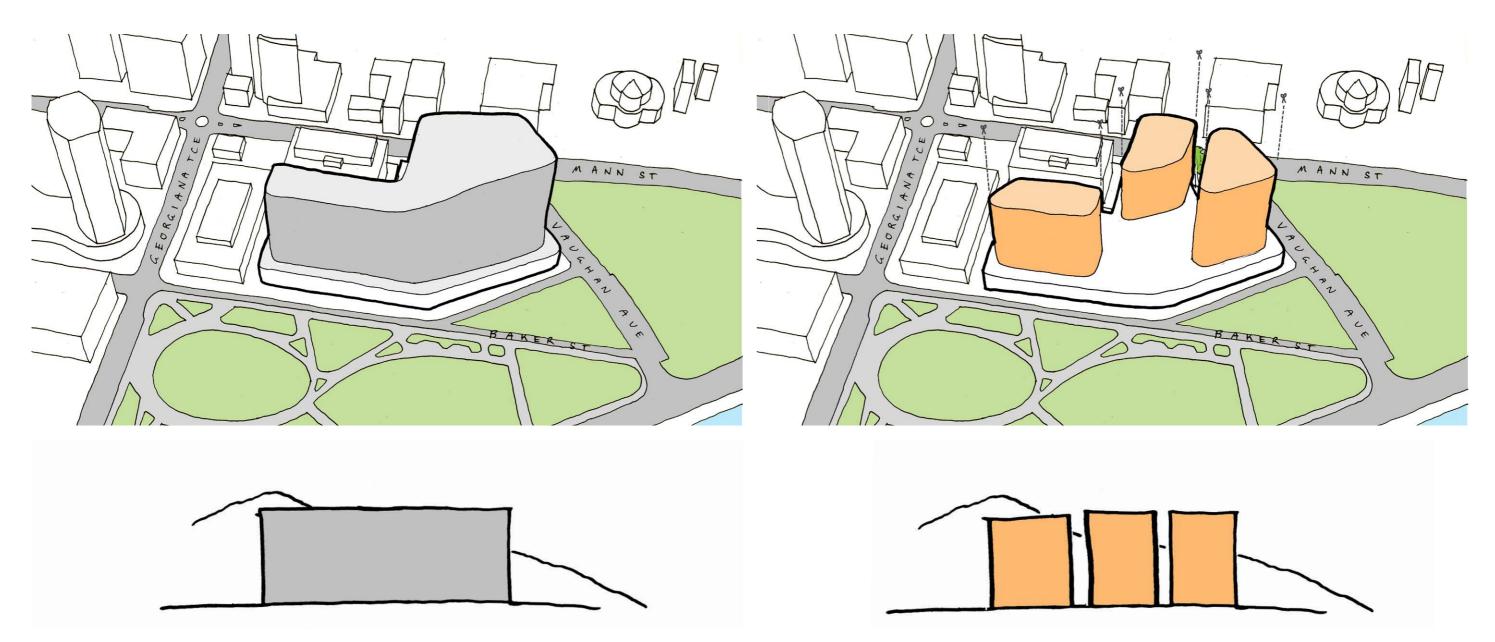




SITE PERMEABILITY

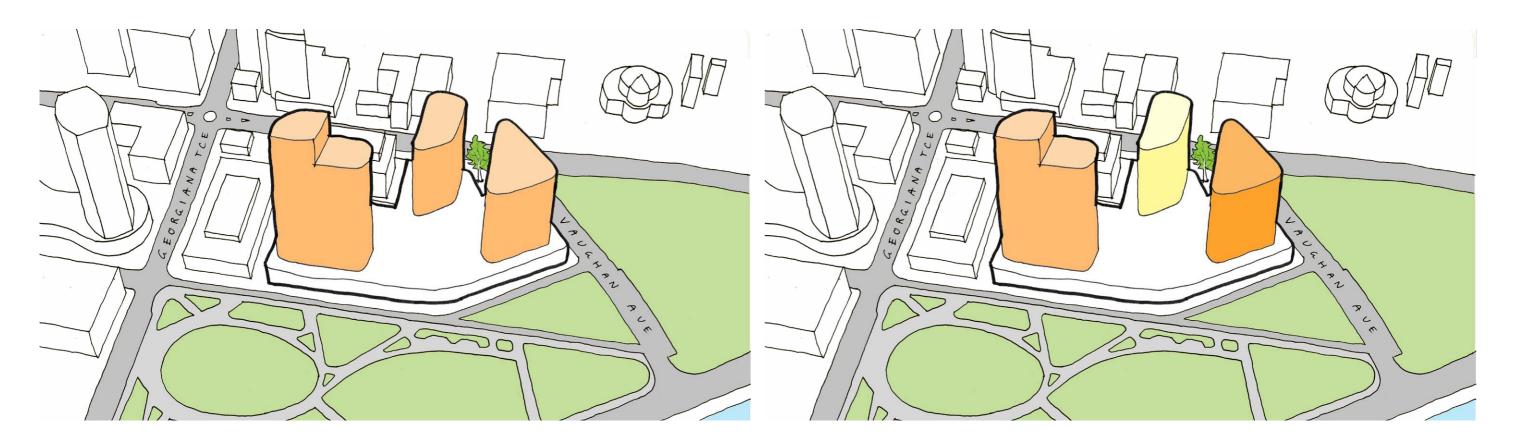
Facilitate public spaces and place making of waterfront

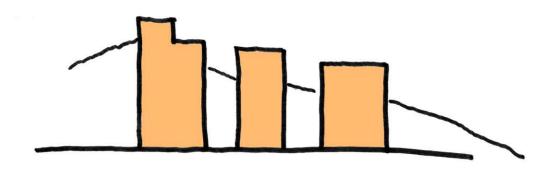
| DESIGN REPORT



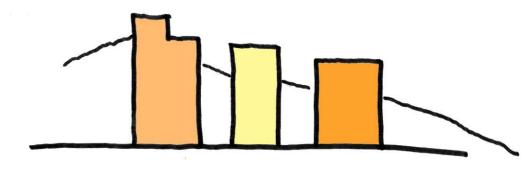
STEP 1: SEPP BUILDING MASS

STEP 2: SEPP TOWER ENVELOPES





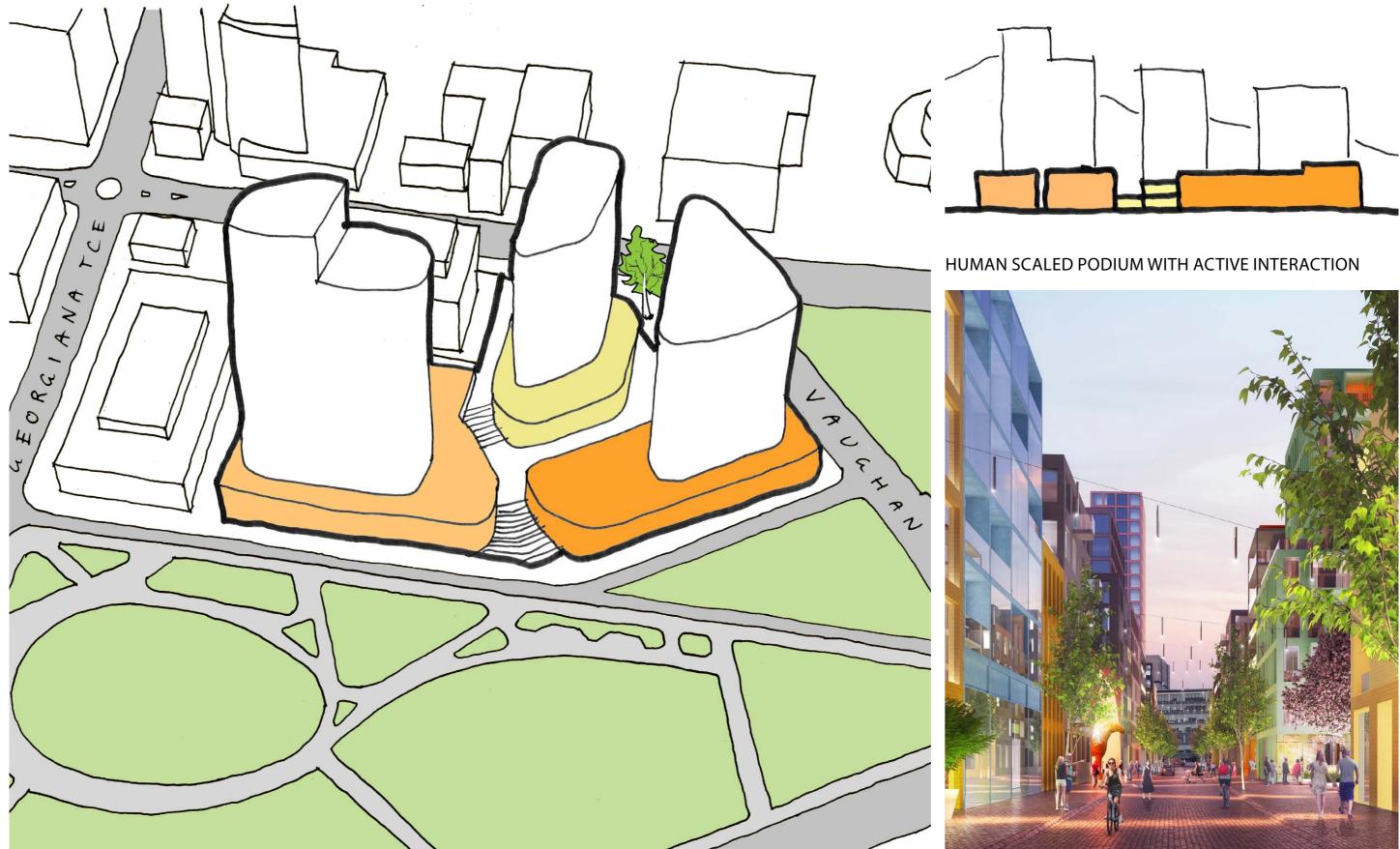
STEP 3: TOWER FOOTPRINT REDUCTION AND HEIGHT INCREASE



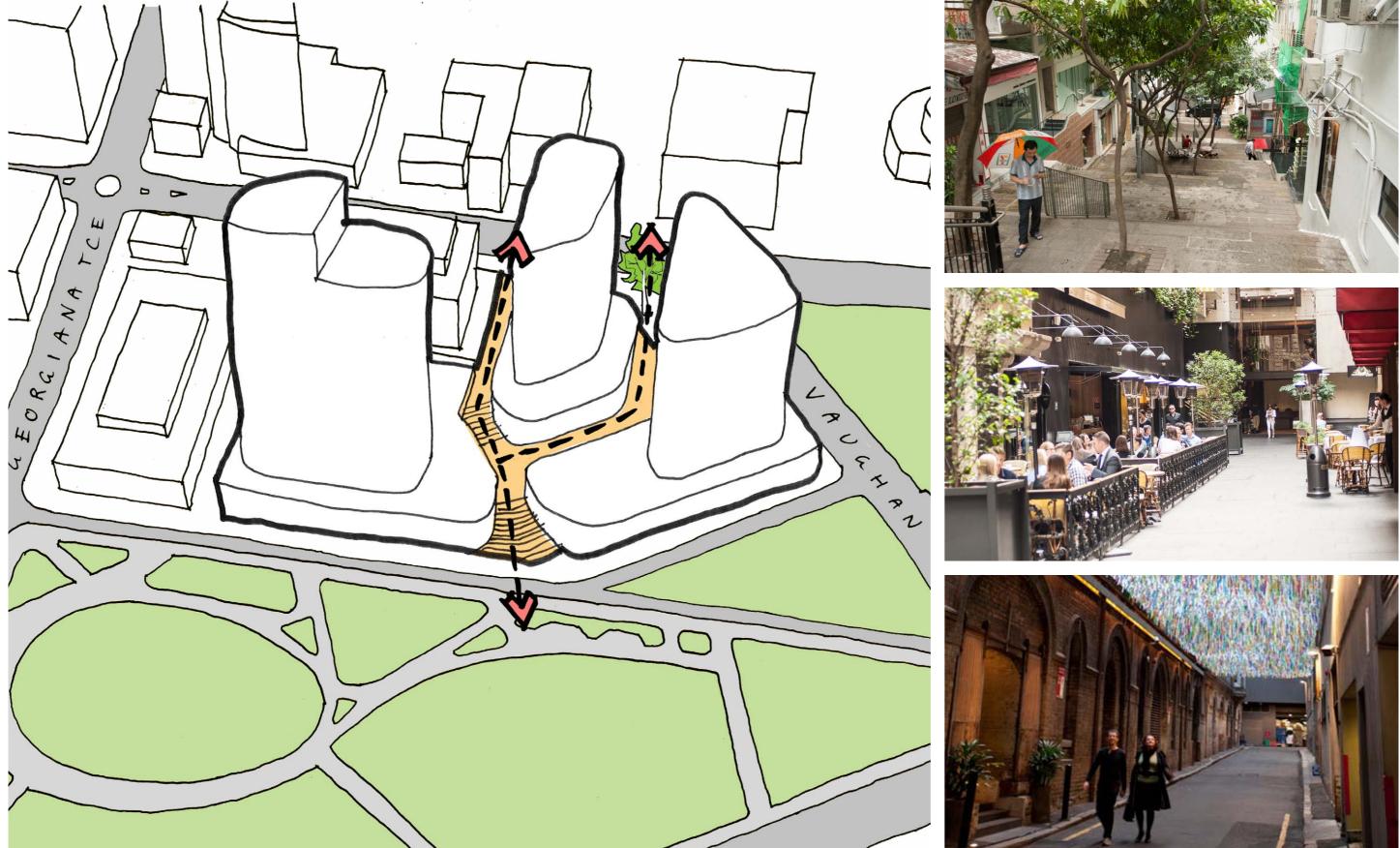
STEP 4: ARCHITECTURAL ARTICULATION AND DIVERSIFICATION OF TOWERS

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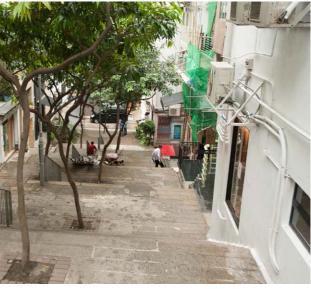
| DESIGN REPORT



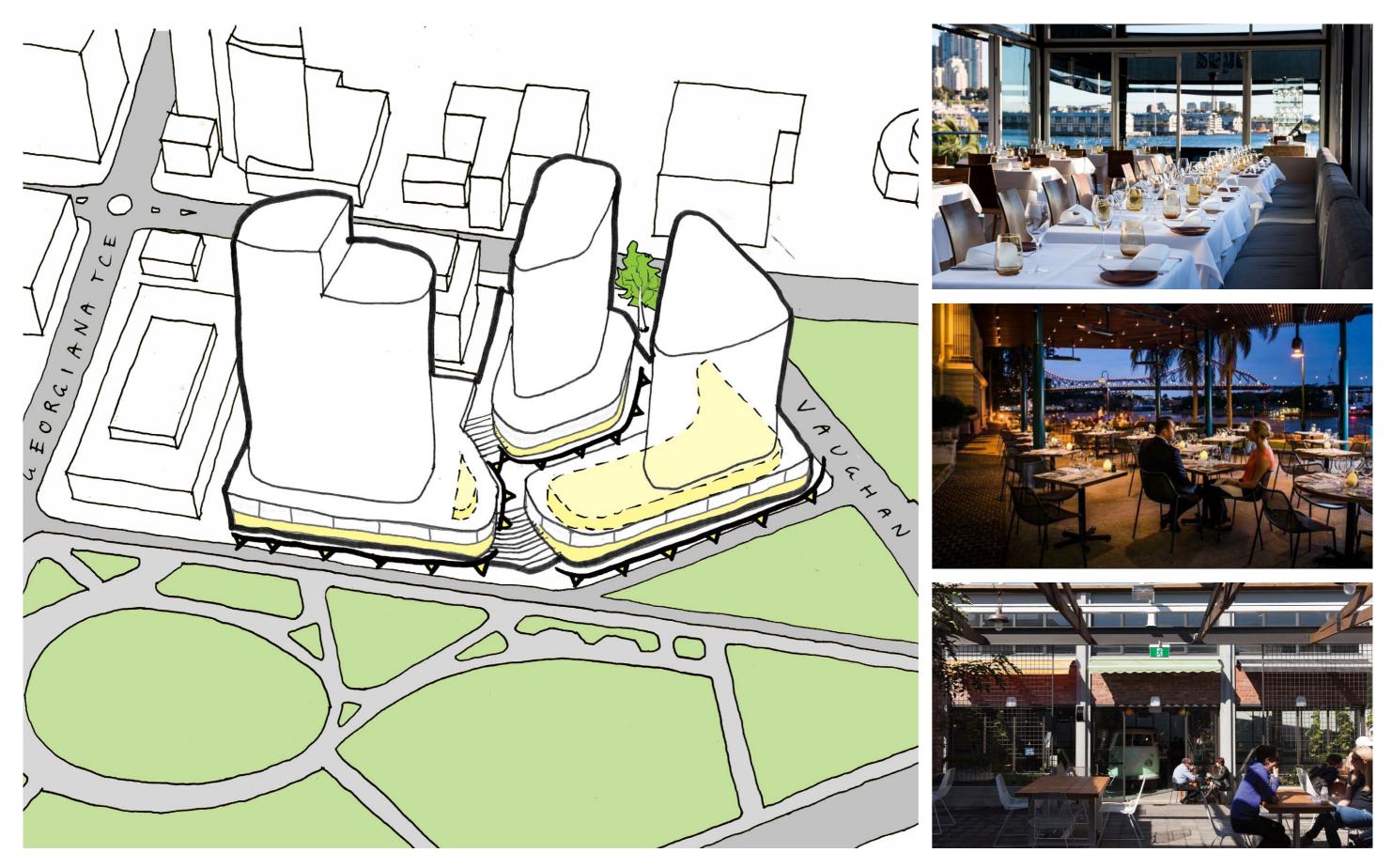
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DESIGN REPORT

STAGE 1 DA MASTER PLAN VOLUMETRIC FILLS

It is important to note that the reference scheme supplied with the concept DA only partially filled the envelope of Northern and Southern building (95% and 97% respectively). It is our understanding that the purpose of the volumetric fill is to reduce it further to 85% with an additional 5% articulation zone for architectural elements (as described in the diagrams below).

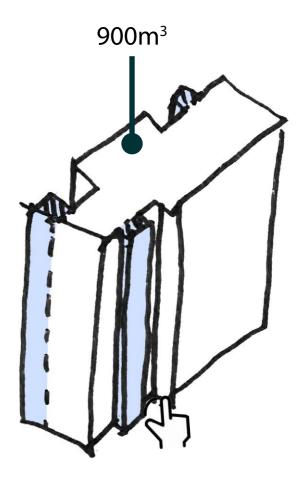


850m³

2. 85% VOLUMETRIC FILL

Approval Condition:

B1. a) the concept envelope amended in plan and elevation, but not in height, to show a zone within the envelope that represents 85% of the volumetric fill of the envelope, plus an additional 5% zone beyond that which is the "articulation zone". The articulation zone represents the outer permissible limit for any built for any built form.



1. BUILDING ENVELOPE

Approved Volumetric Fill:

Northern Tower:	95%
Southern Tower:	97%
Eastern Tower:	98%



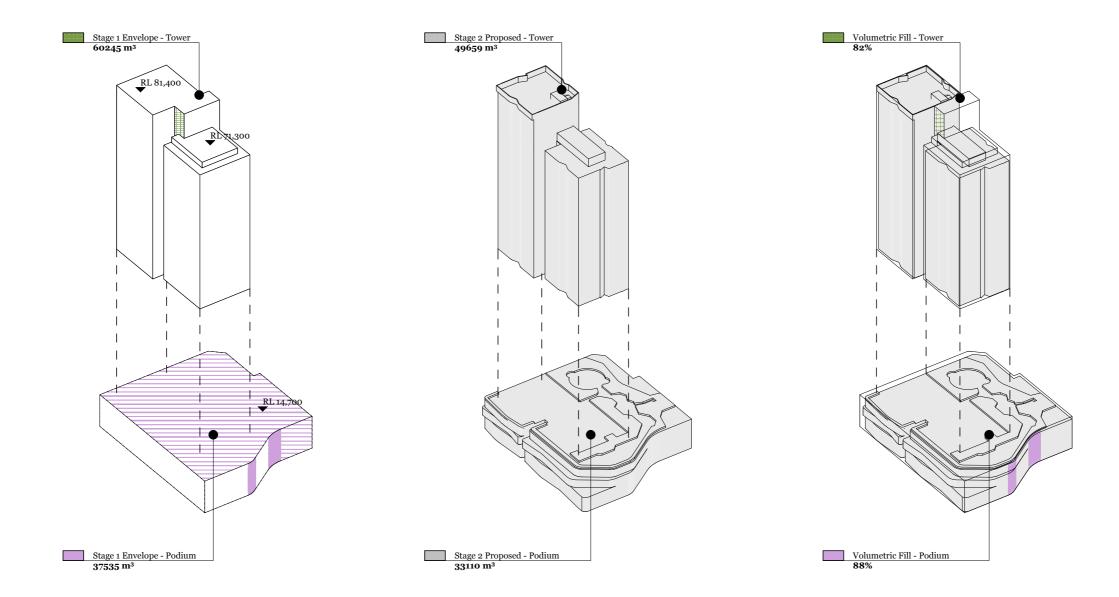
Northeri Souther Eastern

3. 5% ARTICULATION ZONE

Proposed Volumetric Fill:

n Tower:	-5% from Approved GFA
n Tower:	-7% from Approved GFA
Tower:	-8% from Approved GFA

DESIGN REPORT

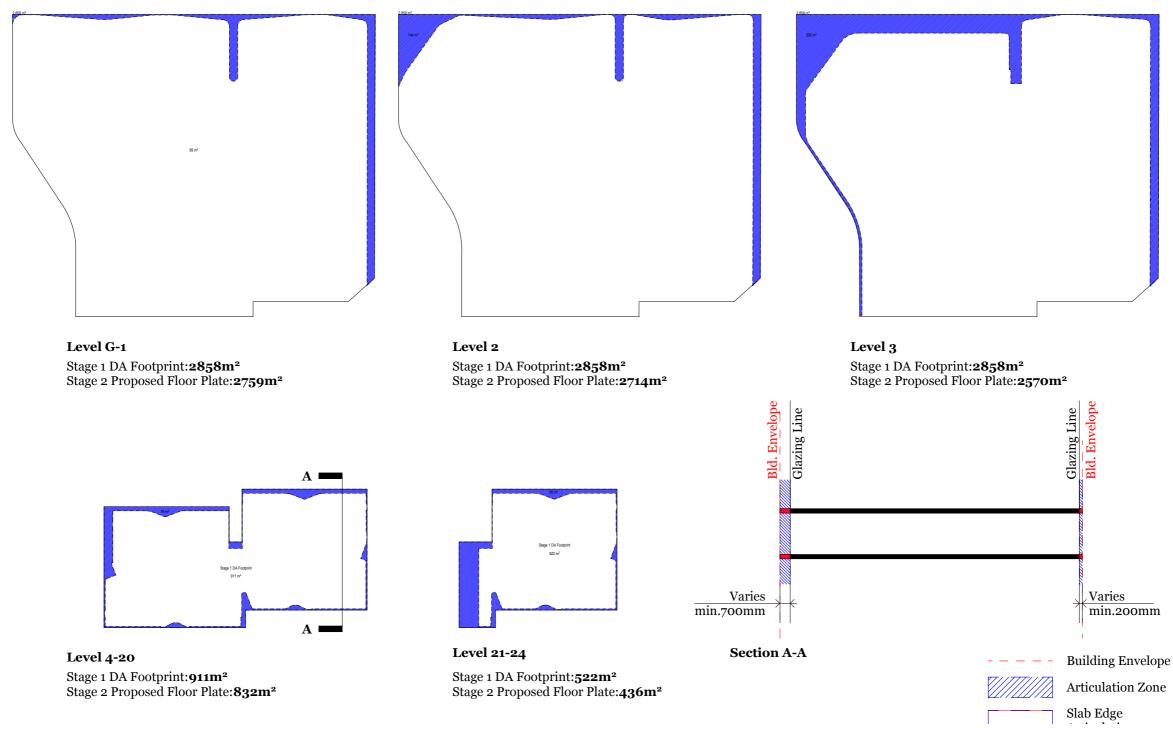


Volumetric Fill Summary

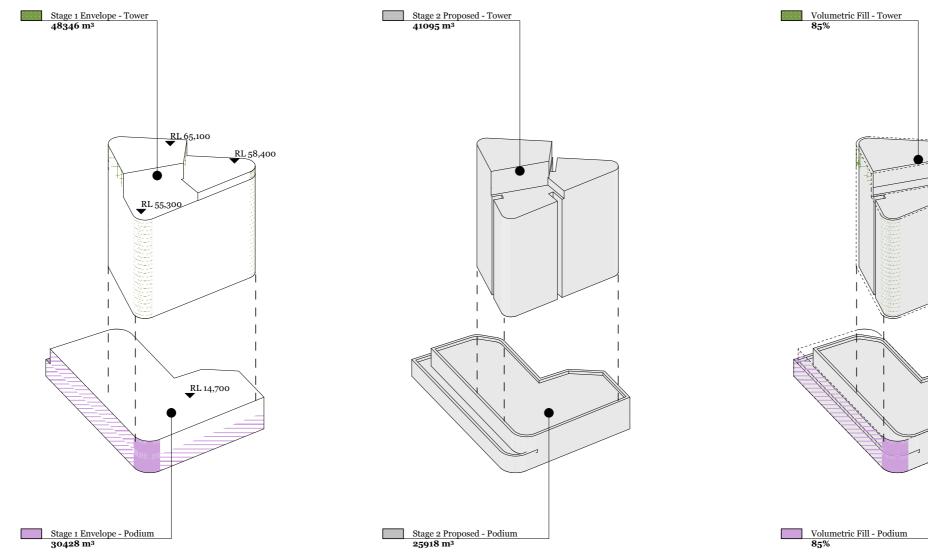
	88%	82%	85%
Stage 2 Proposed	33110 m ³	49659 m ³	82769 m ³
Stage 1 Envelope	37535 m^3	$60245 { m m}^3$	97780 m ³
	Podium	Tower	Total

Northern Tower Volumes

DESIGN REPORT



| DESIGN REPORT



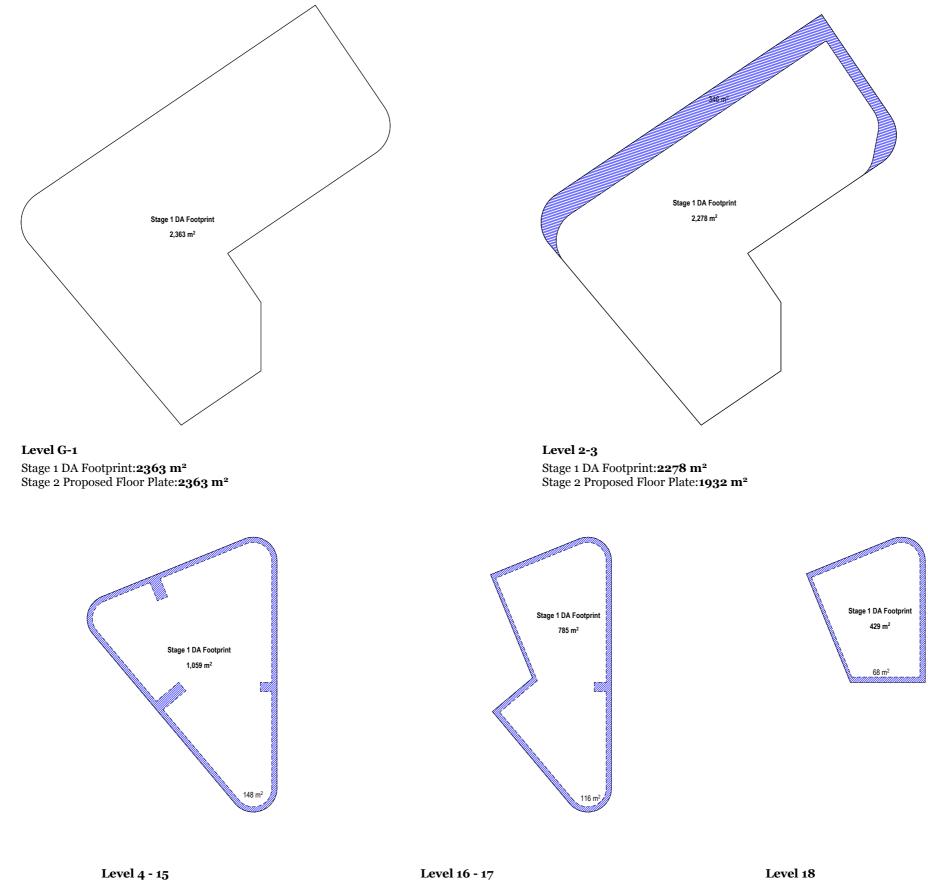
Volumetric Fill Summary

	Podium	Tower	Total
Stage 1 Envelope Stage 3 Proposed	30428 m ³ 25918 m ³	48346 m ³ 41095 m ³	78774 m ³ 67013 m ³
	85%	85%	85%

Southern Tower Volumes



| DESIGN REPORT

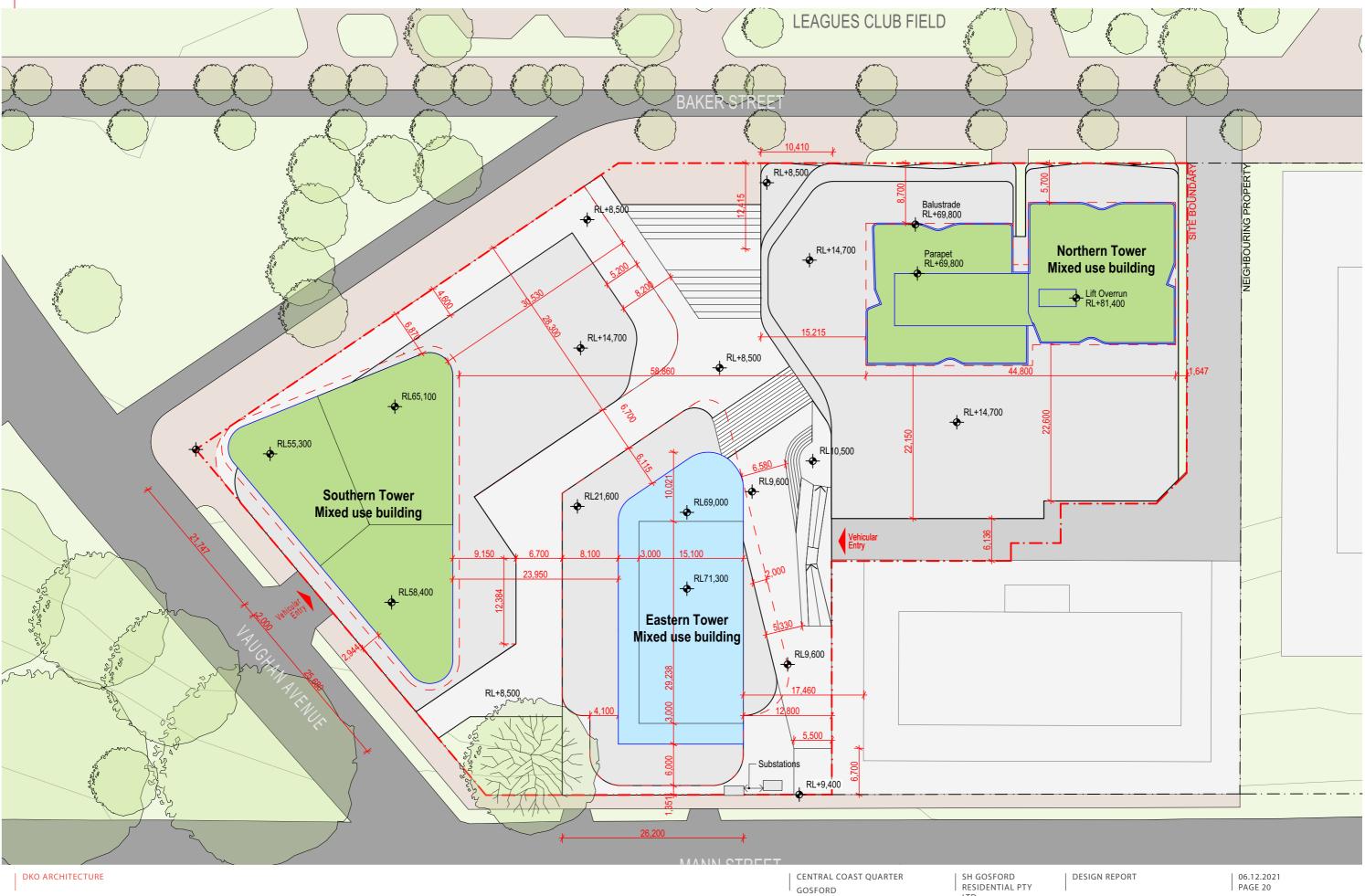


Level 4 - 15 Stage 1 DA Footprint:1059 m² Stage 2 Proposed Floor Plate:911 m² Stage 1 DA Footprint:**785 m²** Stage 2 Proposed Floor Plate:**669 m²**

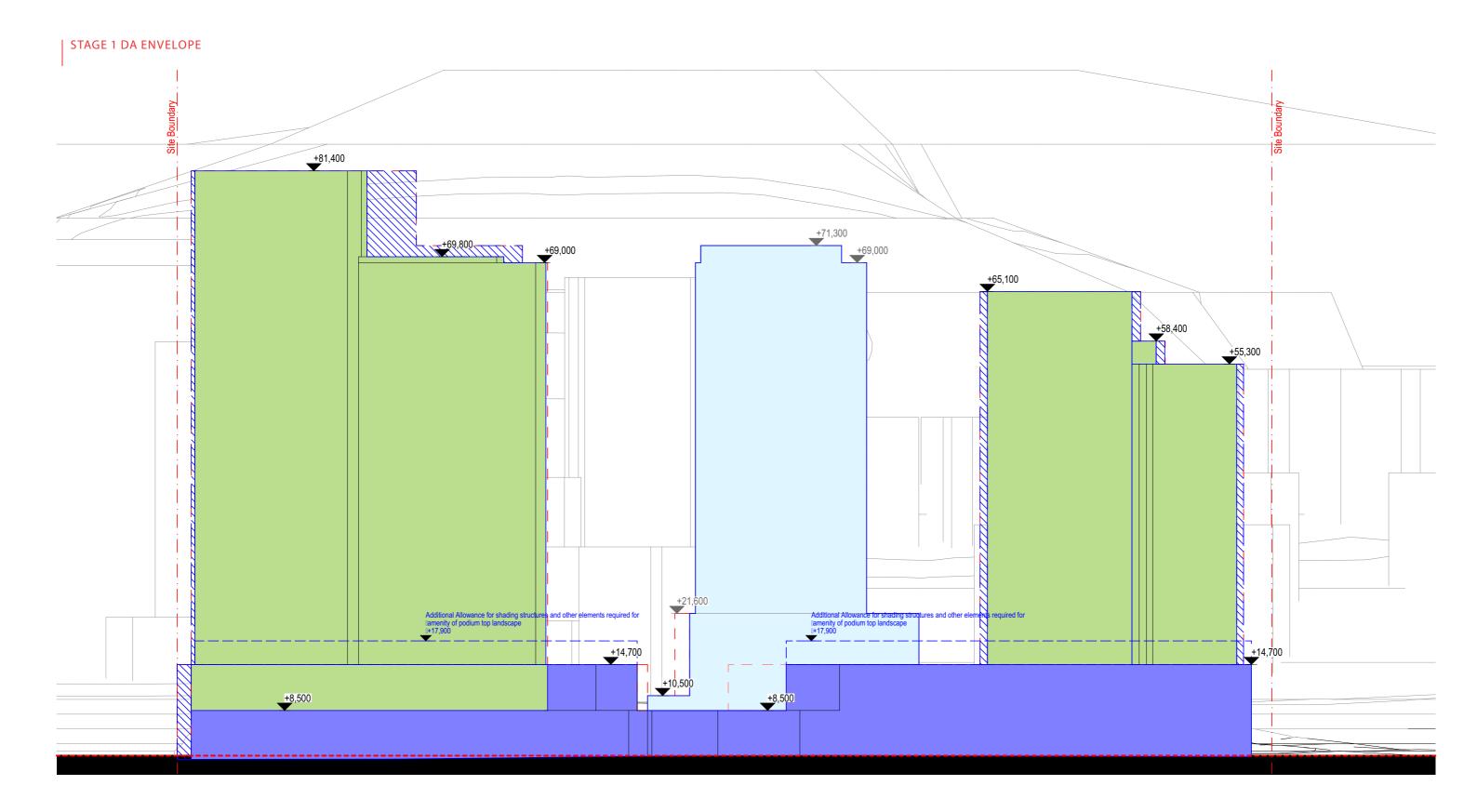
Stage 1 DA Footprint:**429 m²** Stage 2 Proposed Floor Plate:**361 m²**

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DESIGN REPORT



LTD



NOTE: Proposed volumetric fill will not exceed the maximum proposed on the 'B1 condition response pack'.



Building Envelope

Residential Use

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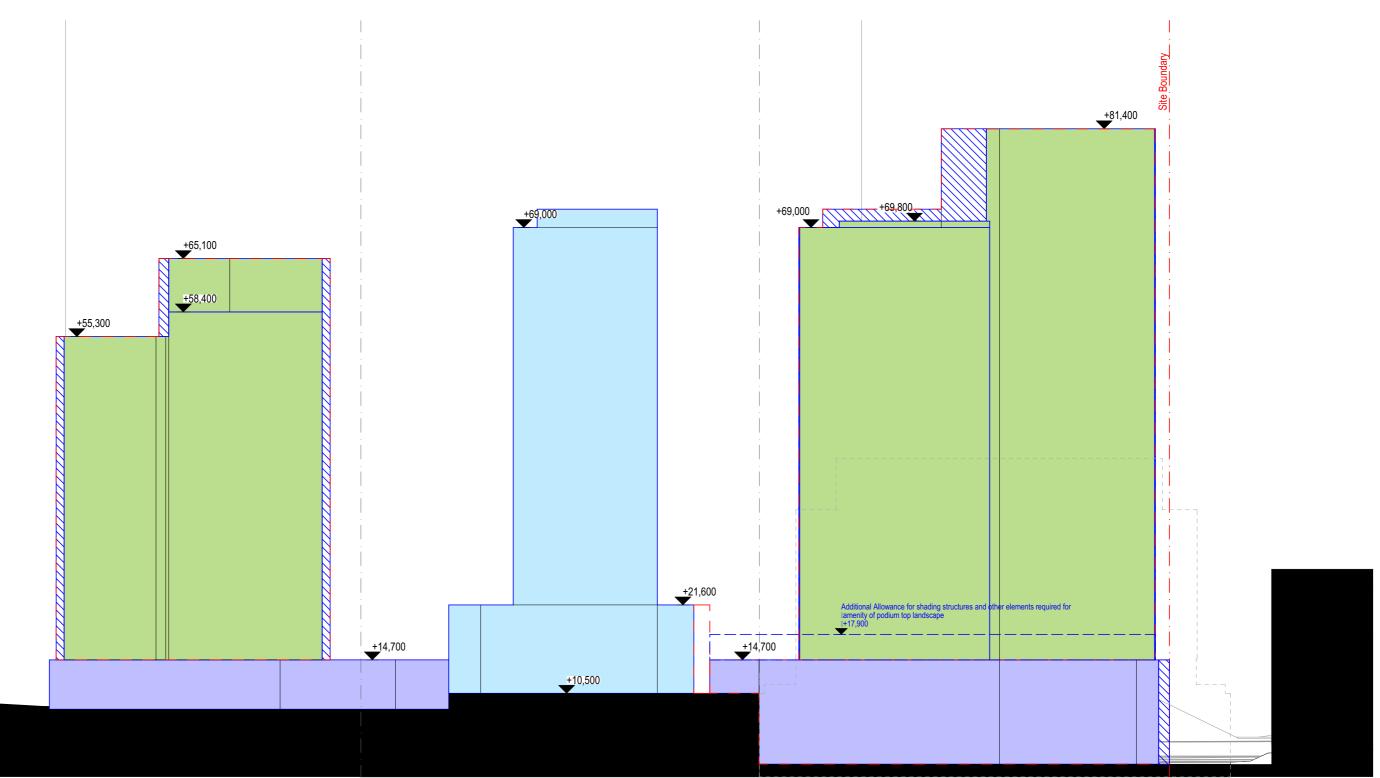
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Retail/Commercial Use

Carpark

| DESIGN REPORT



NOTE: Proposed volumetric fill will not exceed the maximum proposed on the 'B1 condition response pack'.



Building Envelope

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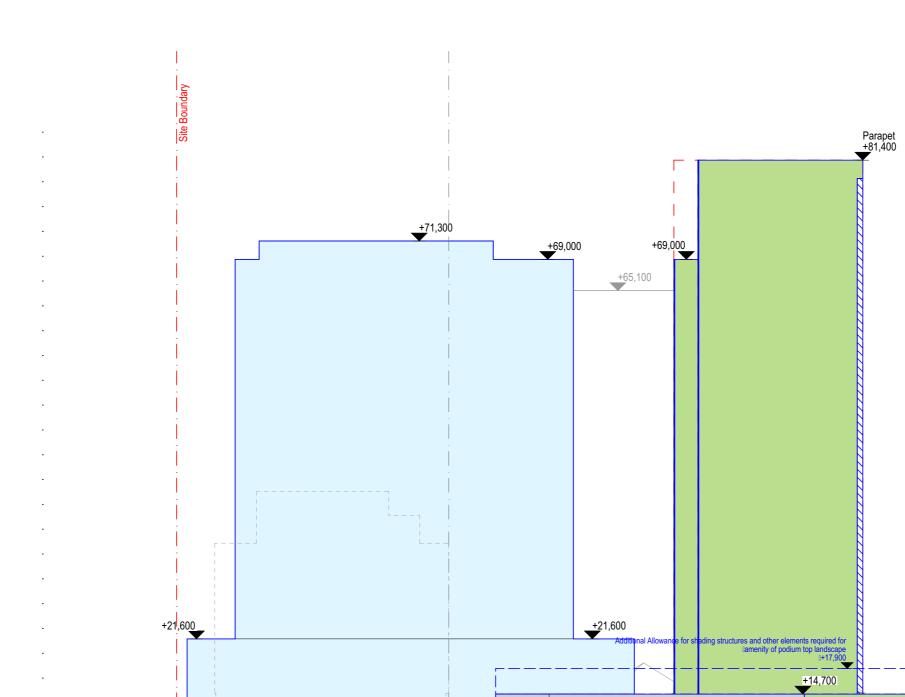
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Retail/Commercial Use

Carpark

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+10,500

NOTE: Proposed volumetric fill will not exceed the maximum proposed on the 'B1 condition response pack'.



Hotel Use

— — Building Envelope

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+8,500



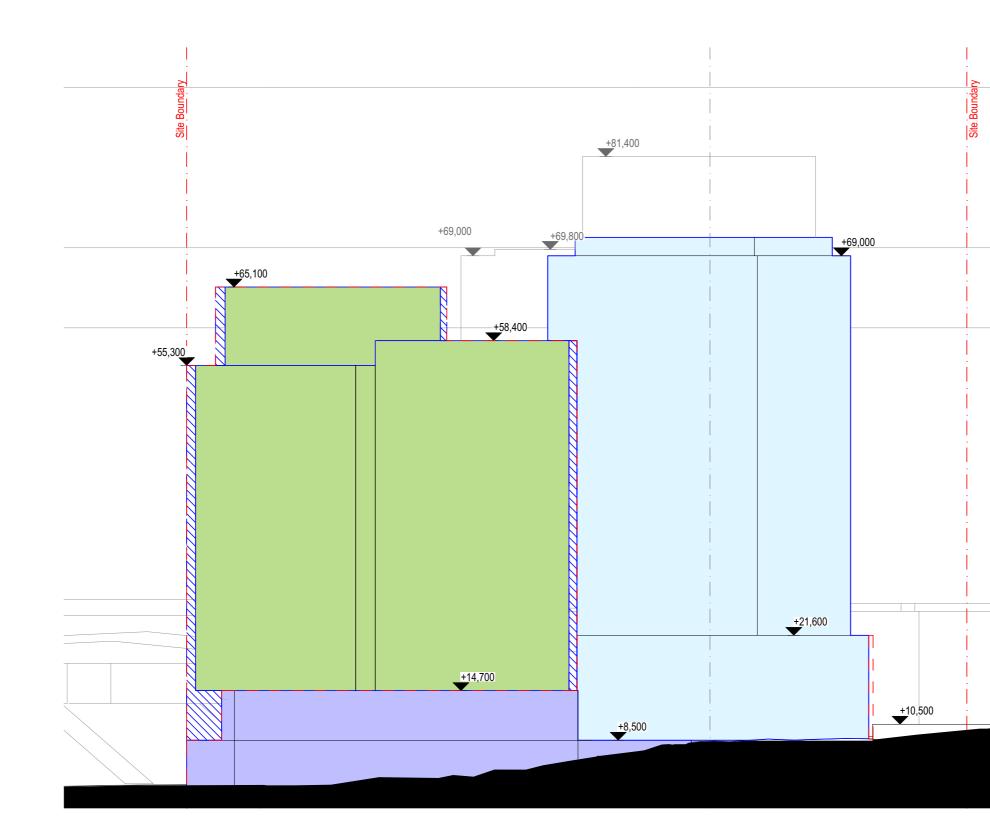




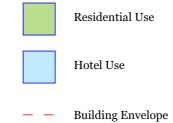
Retail/Commercial Use

Carpark

DESIGN REPORT



NOTE: Proposed volumetric fill will not exceed the maximum proposed on the 'B1 condition response pack'.



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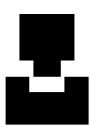
Retail/Commercial Use

Carpark

| DESIGN REPORT



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Better Fit

Contextual, local

and of its place

Better Performance

Sustainable,

adaptable and

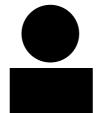
durable

Better for Community

Inclusive,

connected and

diverse



Safe,comfortable

and livable

Better for People



Better Working

Functional, efficient and fit for purpose

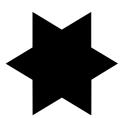
Better Value

Creating and adding value

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Better Look and Feel

Engaging, inviting and attractive

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Key Design Principles



Key Design Principles



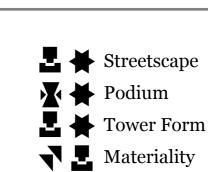
1. Sensitive & Responsive Design





2. Community





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3. Architecture

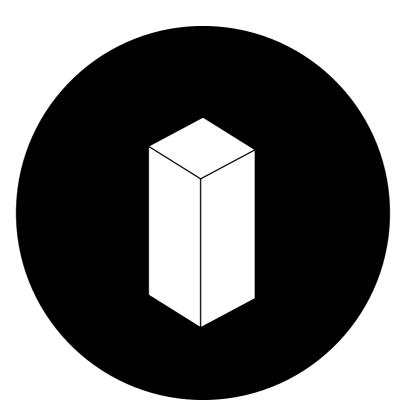
| DESIGN REPORT



Sensitive & Responsive Design

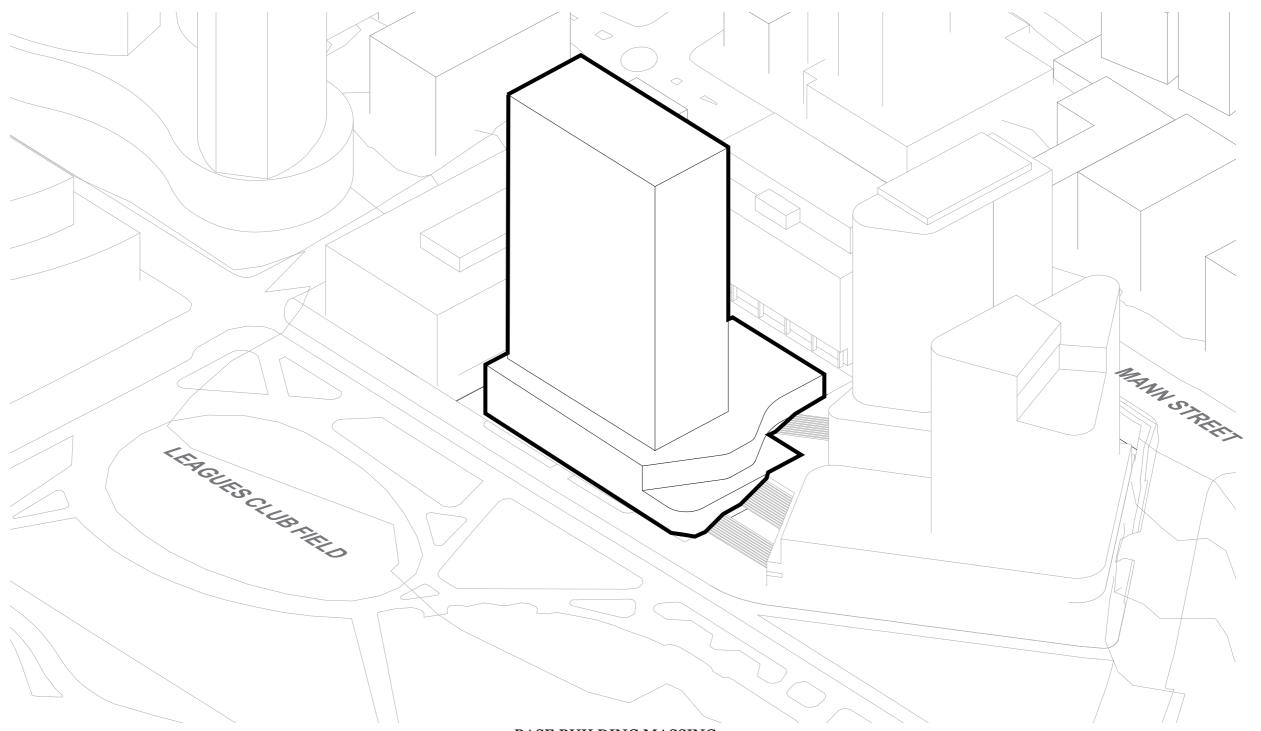
> Massing Wind Solar ESD Initiatives

SENSITIVE & RESPONSIVE DESIGN

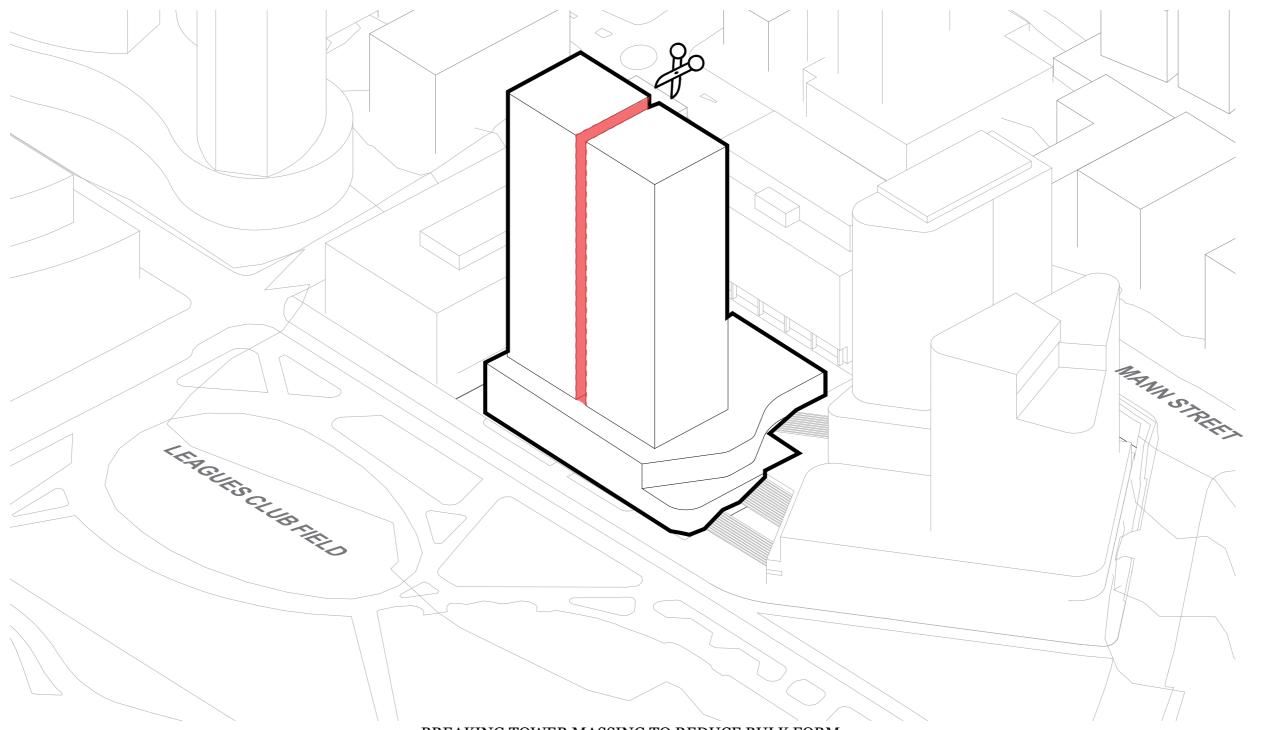


Massing

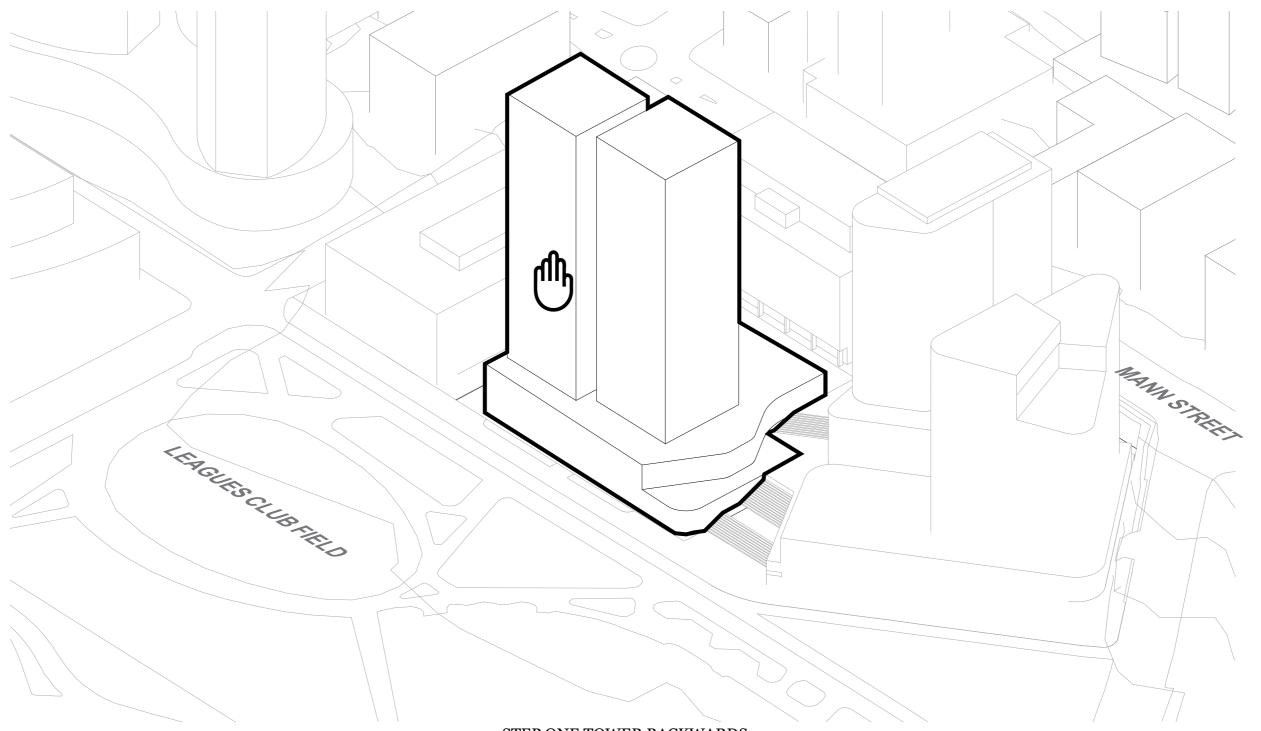
| DESIGN REPORT



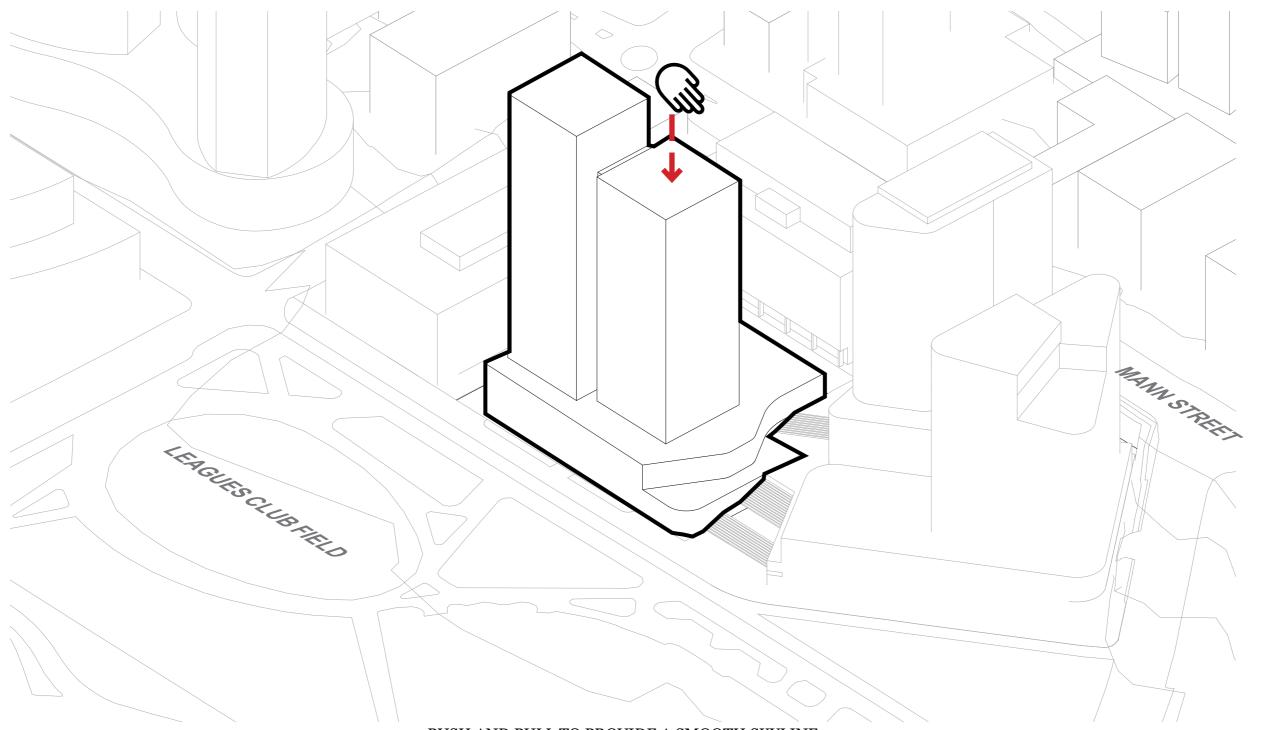
BASE BUILDING MASSING



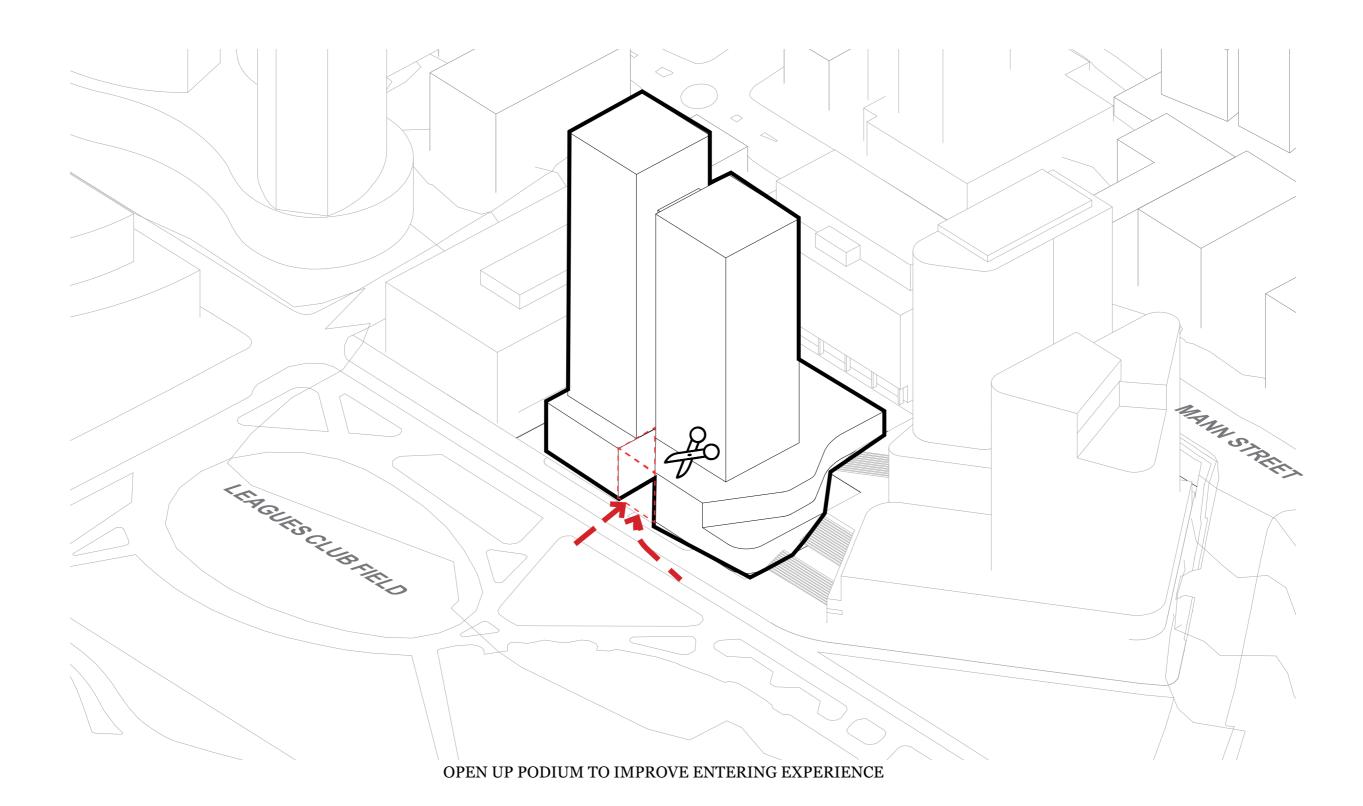
BREAKING TOWER MASSING TO REDUCE BULK FORM

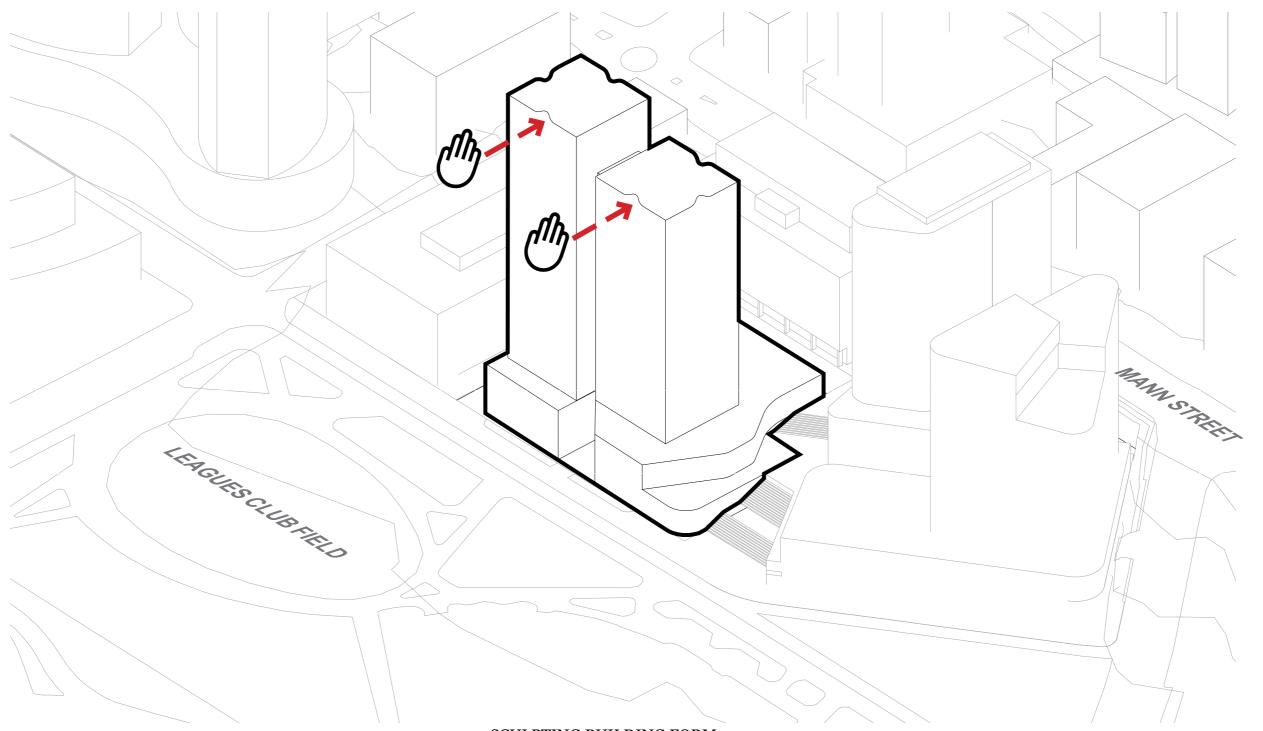


STEP ONE TOWER BACKWARDS



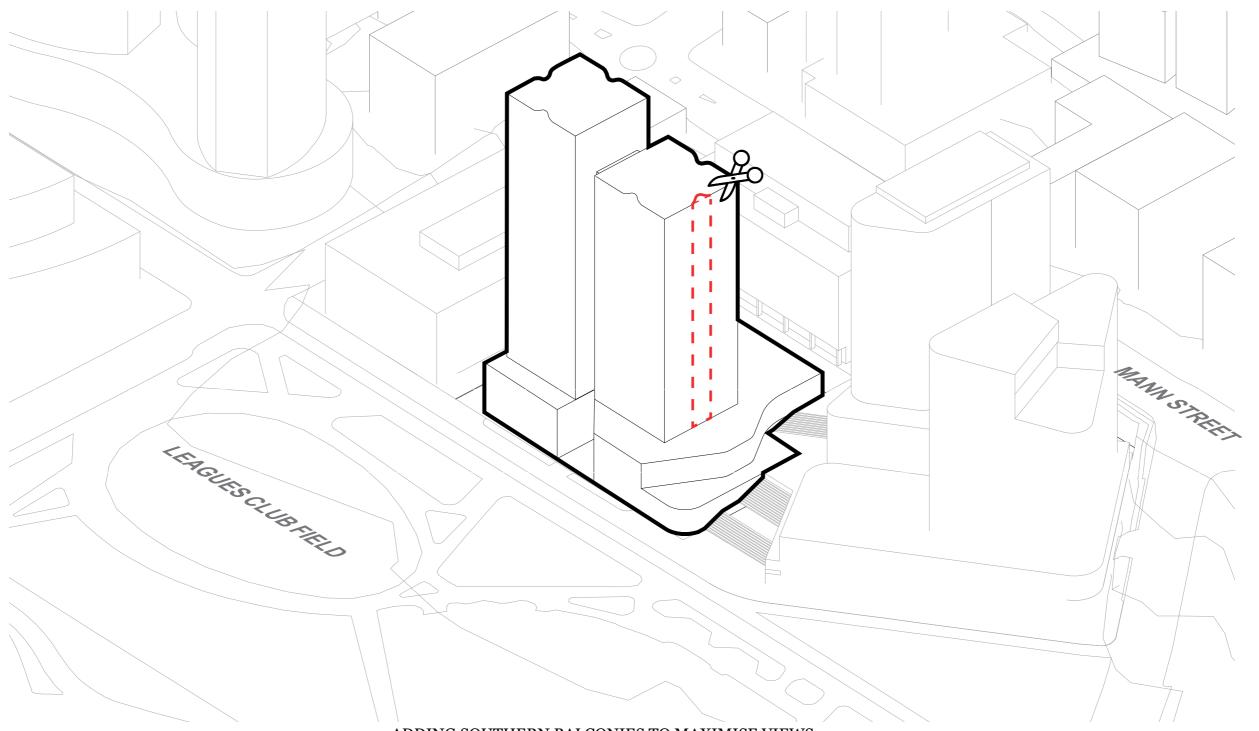
PUSH AND PULL TO PROVIDE A SMOOTH SKYLINE





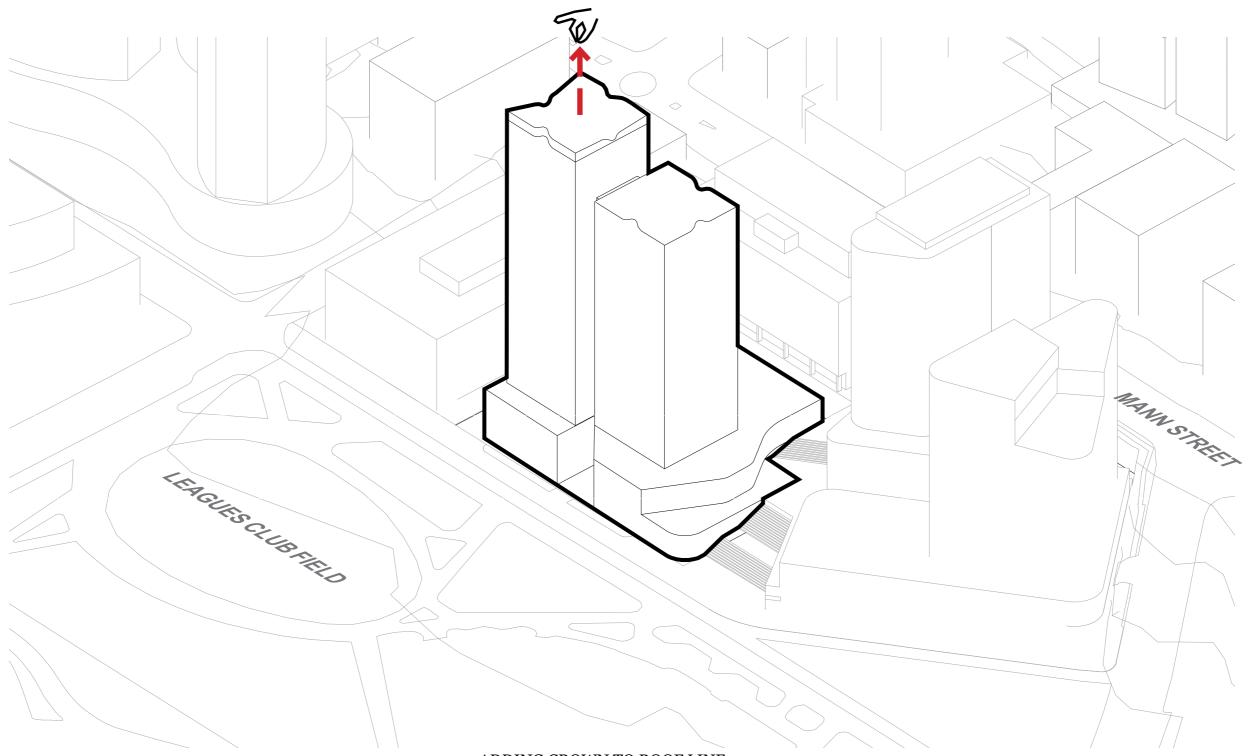
SCULPTING BUILDING FORM

| DESIGN REPORT



ADDING SOUTHERN BALCONIES TO MAXIMISE VIEWS

| DESIGN REPORT



ADDING CROWN TO ROOF LINE

SENSITIVE & RESPONSIVE DESIGN

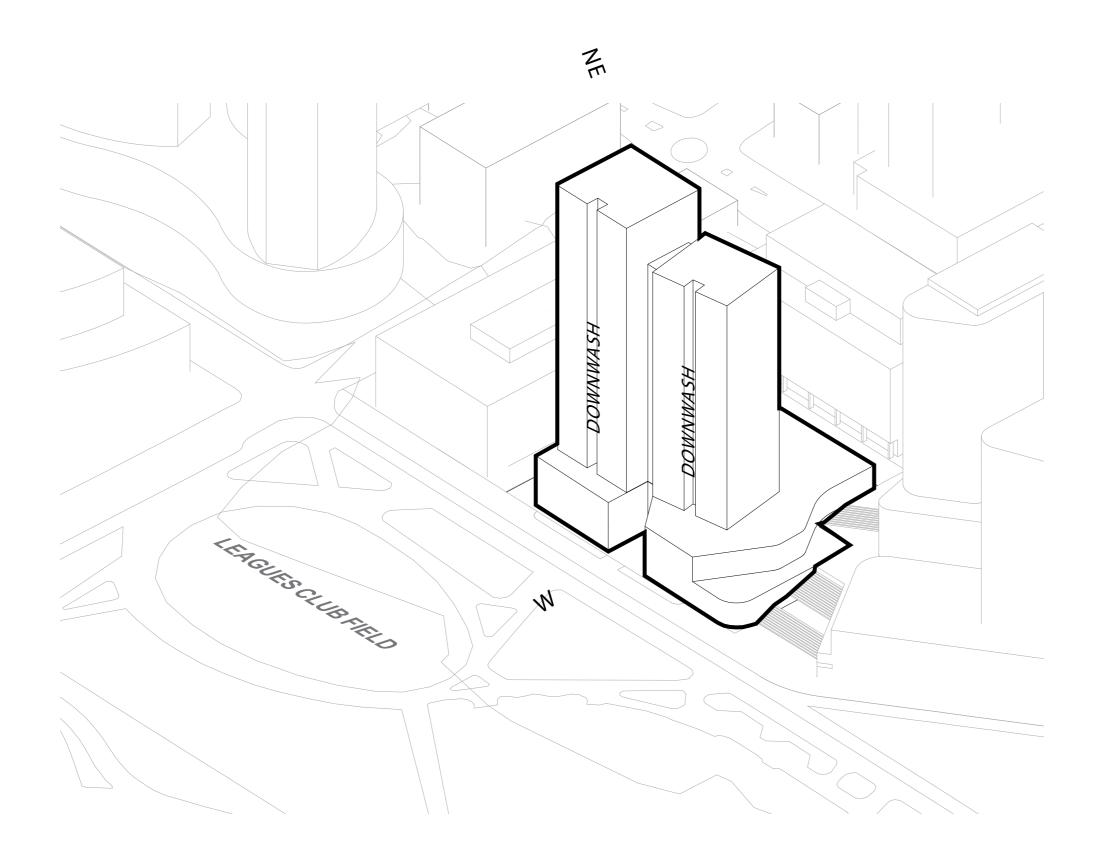


Wind

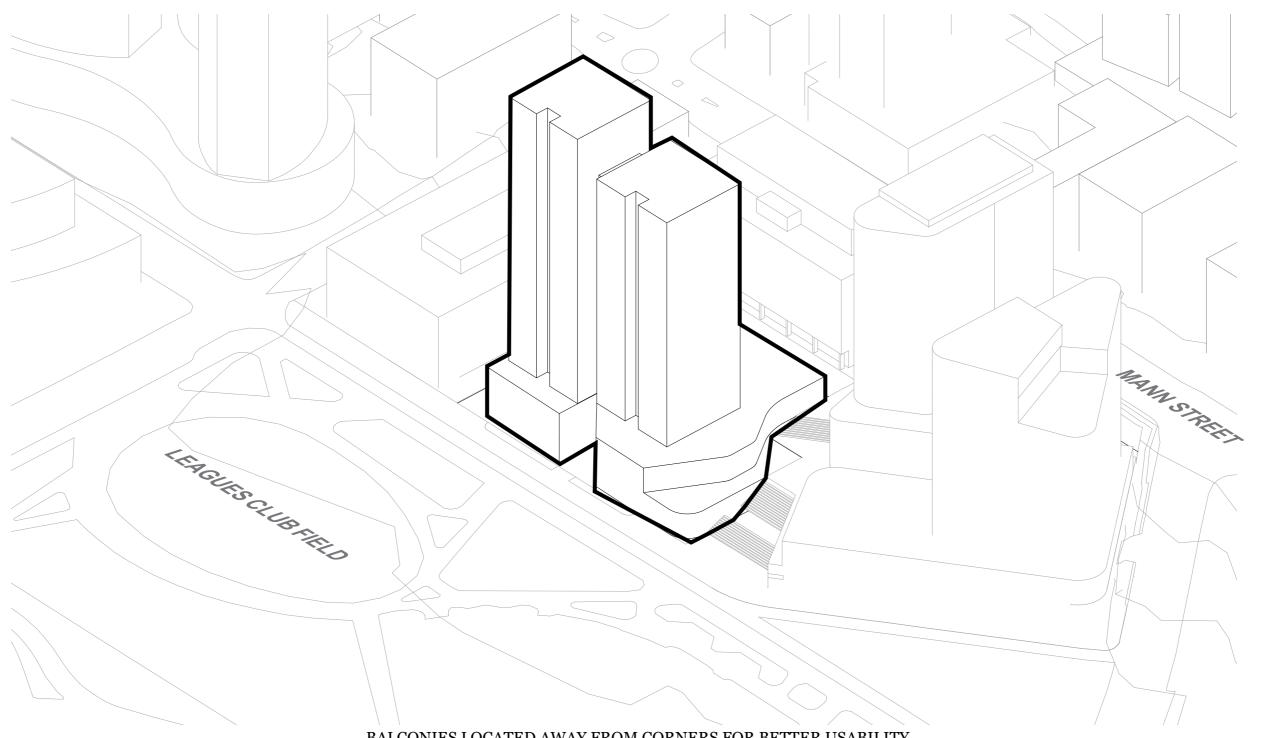
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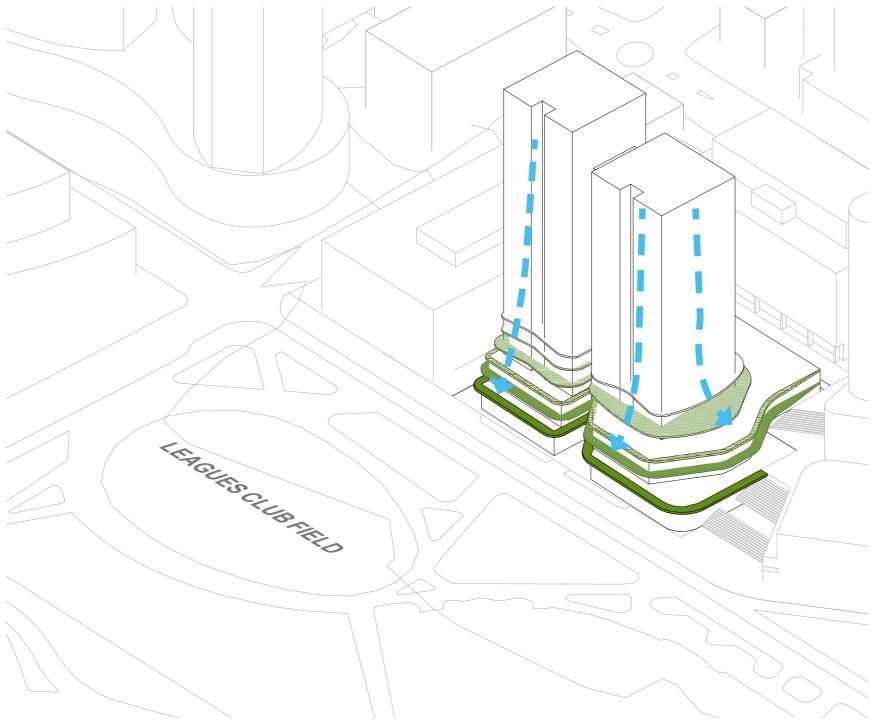






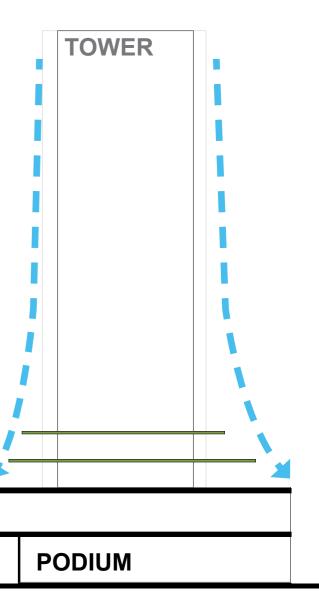
BALCONIES LOCATED AWAY FROM CORNERS FOR BETTER USABILITY

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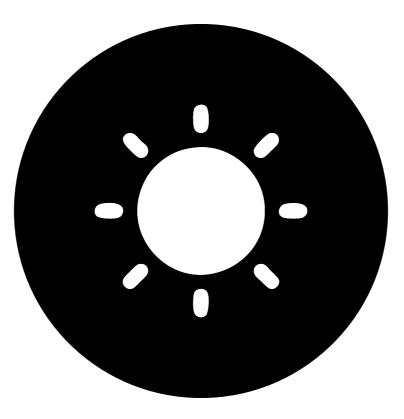


STEPPING TOWER FORMS TO MITIGATE DOWNWARD WIND

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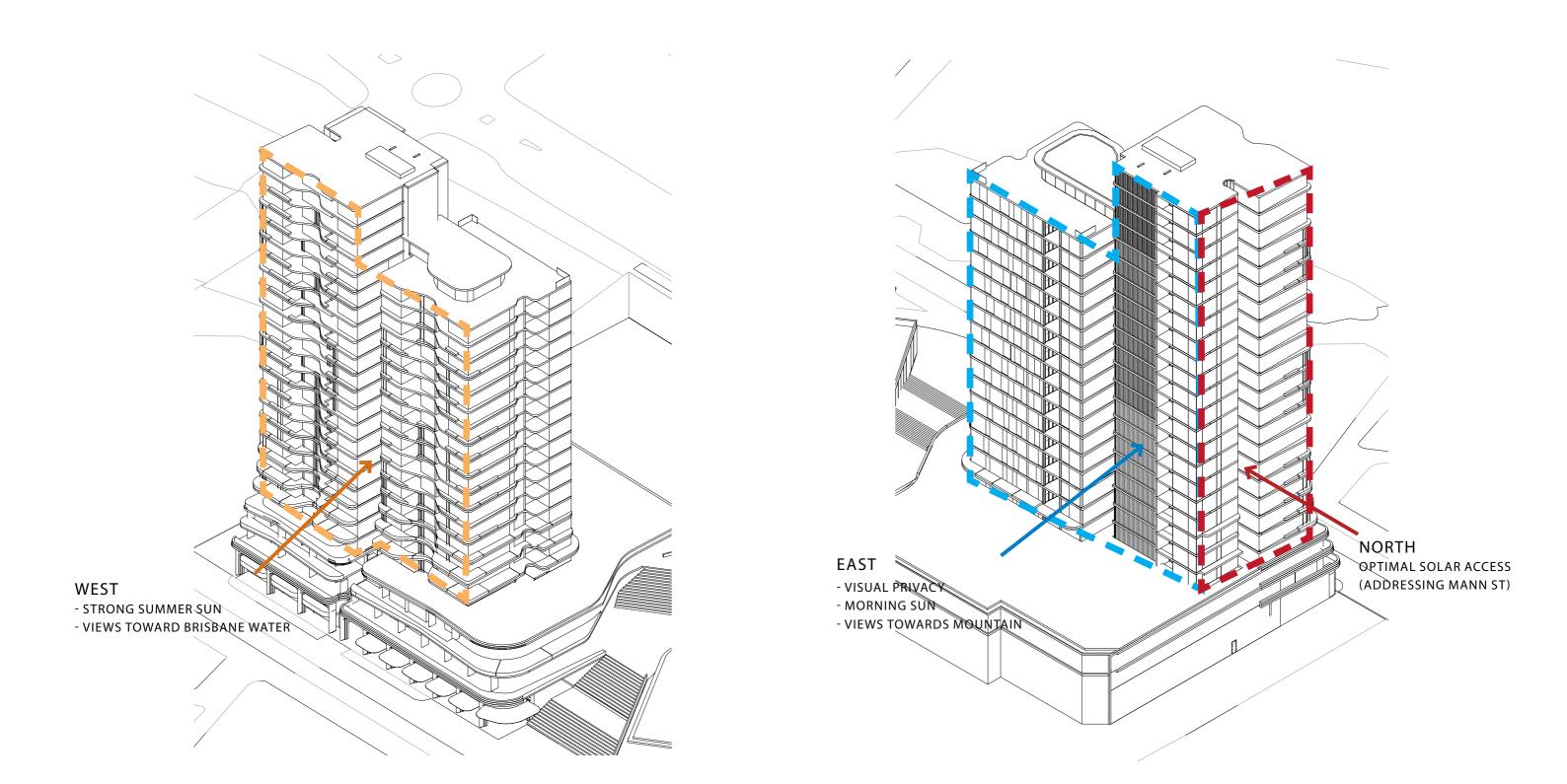
SENSITIVE & RESPONSIVE DESIGN



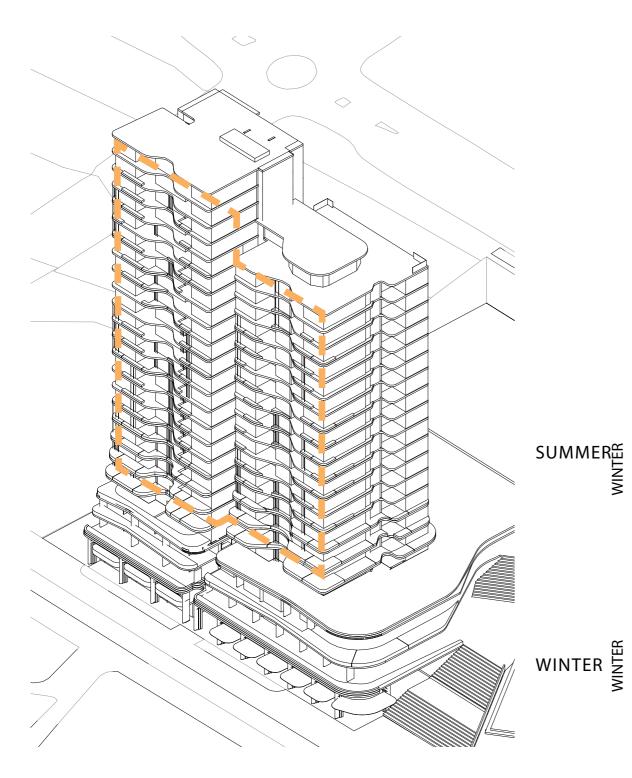
Solar

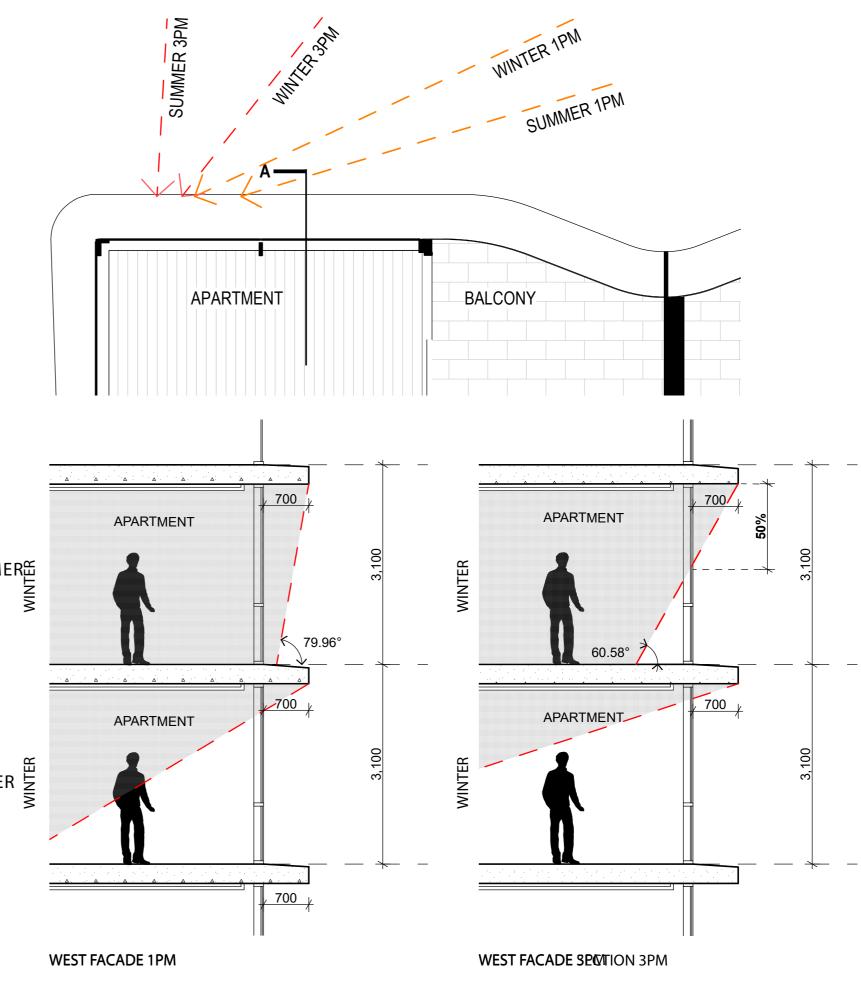
CENTRAL COAST QUARTER

DESIGN REPORT



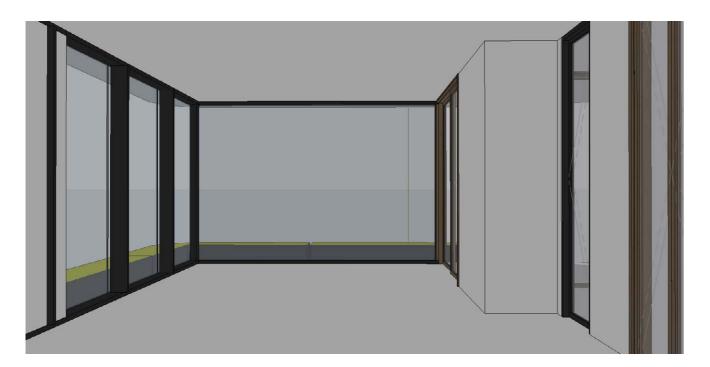




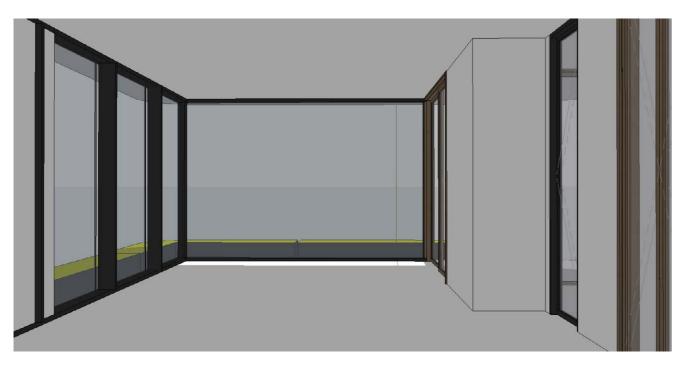




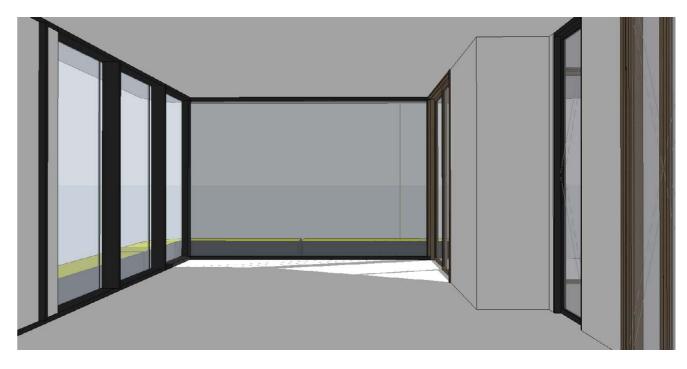
| DESIGN REPORT



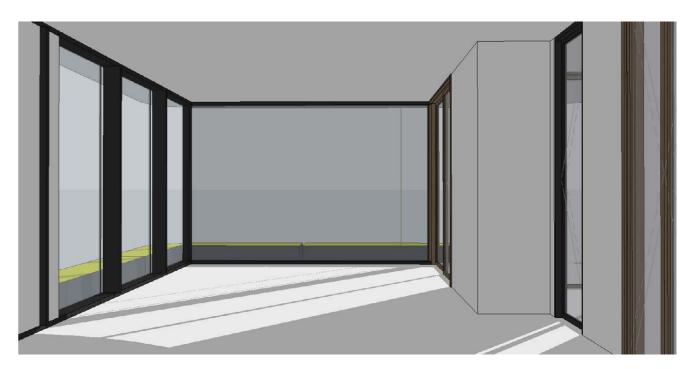
1PM DECEMBER 21ST



3PM DECEMBER 21ST



1PM JUNE 21ST



3PM JUNE 21ST

CENTRAL COAST QUARTER

KEY DESIGN PRINCIPLES



ESD

CENTRAL COAST QUARTER

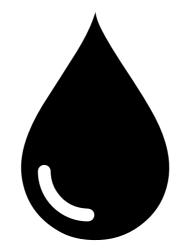
DESIGN REPORT



PASSIVE DESIGN -

West-facing apartments are recessed behind 700min slab edge to minimize summer solar heat gain and shield apartments from harsh summer sun. Winter daylight will penetrate deep into the interior of the floor plates by way of balconies. The built form is accented with a series of deciduous plantings allowing them to protect the openings during summer and promote solar access during winter.

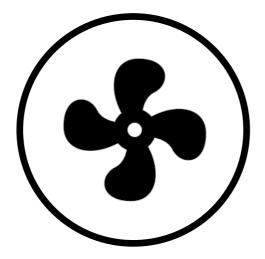
The building also achieved 100% cross ventilation.



RAINWATER COLLECTION -

Rainwater on site will be captured and stored in 150,000L water tank located under the retail. This water tank will be plumbed to garden taps and landscape irrigation to support public gardens throughout thedevelopment.

SOLAR -A target 25-30 kW Solar PV array will be



BASIX TARGET-

The proposal will use water saving fixtures and fittings as well as energy efficient lighting, air conditioning, lift, and appliances to minimise water and energy load.

Additionally, the proposal will introduce ceiling fans to all living and bedroom areas minimizing the need for air-conditioning.



GREEN TRANSPORT PLAN –

A Green Transport Plan will be designed to encourage and facilitate sustainable transportation for each resident of the building. This will include sufficient bicycle packing spaces, together with car share spaces within the basement.

Additionally, EV chargers will be provided encouraging the use of electrical vehicles.

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installed on the rooftop to generate electricity for community spaces and public lighting, lifts, car park ventilation and common services area.



Community

Connected Communities Landscape Design With Country

| DESIGN REPORT

26-32 MANN STREET MASTRERPLAN



ALIGNMENT

- The landscape DA report acknowledges that the a Landscape masterplan was submitted and approved with conditions under a FEAR.
- The landscape design will address Cause 9 including details on species , materials & landscape treatment, Ubran element & soil depths/Volumes.
- Arrangement and Access to the through site link which demonstrates the link to be no narrower than 5m at the Mann Street.
- Demonstrate all Public Areas will be all abilities accessible
- Incorporation of the public art where necessary
- Incorporation of landscaping for wind mitigation.

GOSFORD LEAGUES CLUB FIELD



ALIGNMENT

• The Landscape design recognises the significates of the recently upgraded Leagues Club field and its cultural and landscape contribution to Gosford. The design intends to embrace the landscape themes and values with oppertunities to carry on the First Nations seasonal landscape and public art journey from river to ridge through the site.

DESIGN REPORT

26-30 Mann Street sets a new benchmark for communal living. The landscape design will create a strong connection to the adjoining Leagues Club Field, embracing and continuing the Indigenous character from the park up through into the towers landscape.



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CONNECTED Connection to country

Drawing upon inspiration from the local character and culture of the Gosford region, a strong sense of connection from ocean to mountains is fostered and celebrated.

INTEGRATED Connecting to the park

Materiality and amenities connect with the local character of the foreshore park

SOCIAL Genuine, social places for all

A diverse offering of best practice communal open space that is tailored to individual groups, whilst remaining adaptable and flexible to changing needs.

COMFORTABILITY

Year round environmental comfort

The primary objective for all external spaces is environmental comfort - how it feels to be there throughout the year, day and night.

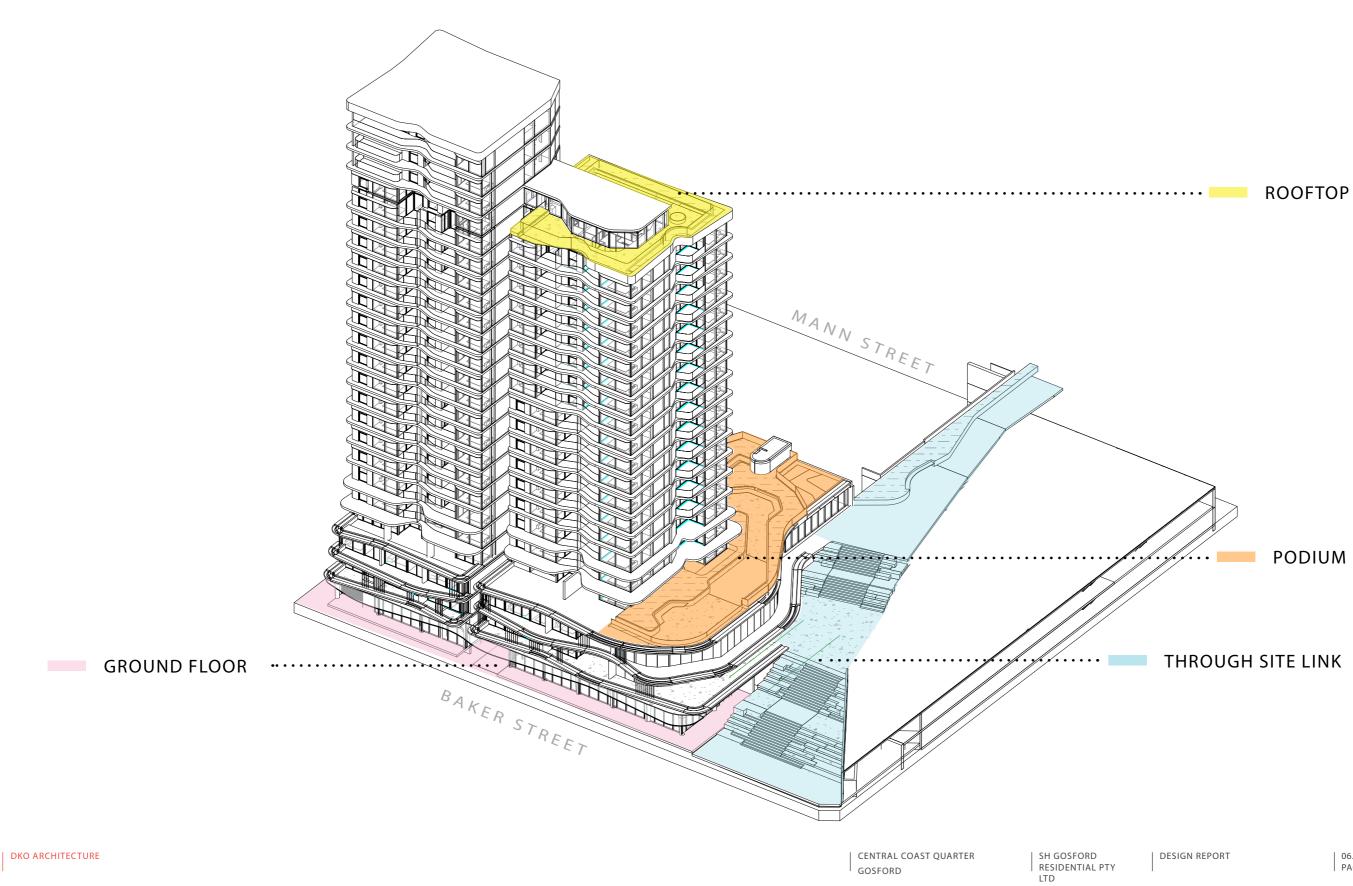
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DIVERSITY

Maximising the communal experience

Exploring and maximising the placemaking potential of the communal areas, focused on creating a diversity of active and passive spaces connected through the landscape.



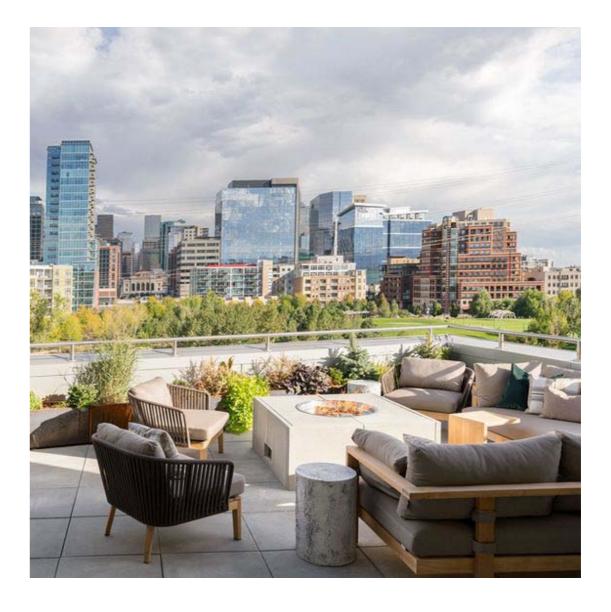
PODIUM

THROUGH SITE LINK



OUTDOOR KITCHEN & ALFRESCO DINING FACILITIES

Creating a benchmark in communal living through alfresco dining and quality outdoor kitchen facilities. These areas are an attractive gathering space year round, maximising on the breathtaking views of Brisbane waters.



SOCIAL SUNSET GATHERING

Social gathering spaces to enjoy uninterrupted views of the sunset over the Brisbane Waters and newly renovated Gosford park.

DESIGN REPORT



BUSHTUCKER & BEE GARDENS

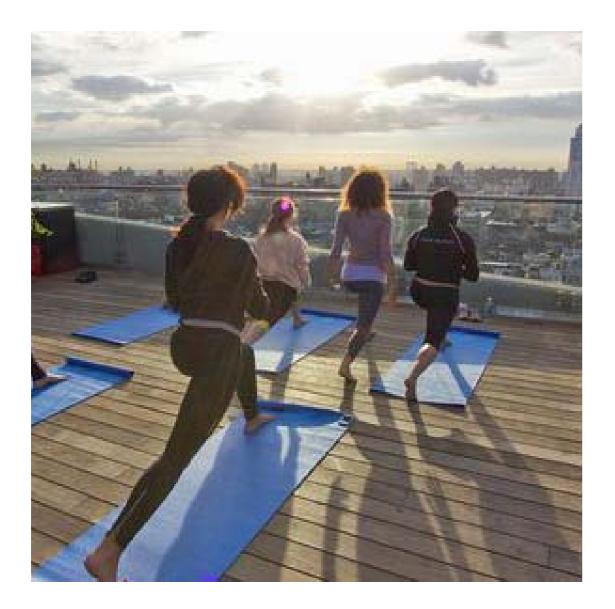
The bushtucker and bee garden will promote biodiversity and facilitate a connection to country through the use of indigenous bushtucker planting. These gardens will be a place to learn about the rich history of the Darkinjung people, to connect to nature and harvest herbs.



OUTDOOR WORK SPACE

Refreshing the notion of working from home by moving the 'workspace' from inside, out. Nestled amongst lush planting, this covered outdoor working facility offers access to power, natural light and fresh air.

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MORNING SUN DECK

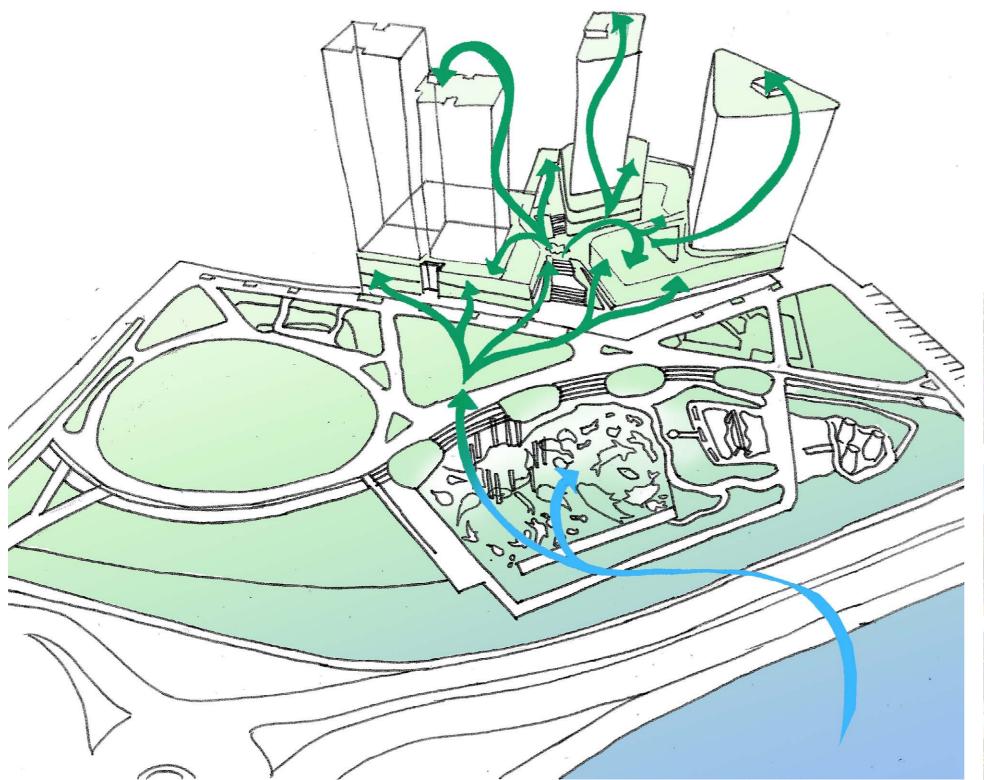
A quiet place for people to retreat, relax with a cup of coffee or read in the morning sun. The deck is a multifunctional space offering a variety of activities both morning and night including sunrise yoga and night time open air cinema viewings.



REPLACING THE BACKYARD

Apartment residents crave outdoor green communal spaces, the open green space provides the opportunity for children to run and puppies to play within proximity to adjoining communal facilities. Sun beds surrounding the grass offer a place to unwind and relax in the sunshine.

| DESIGN REPORT

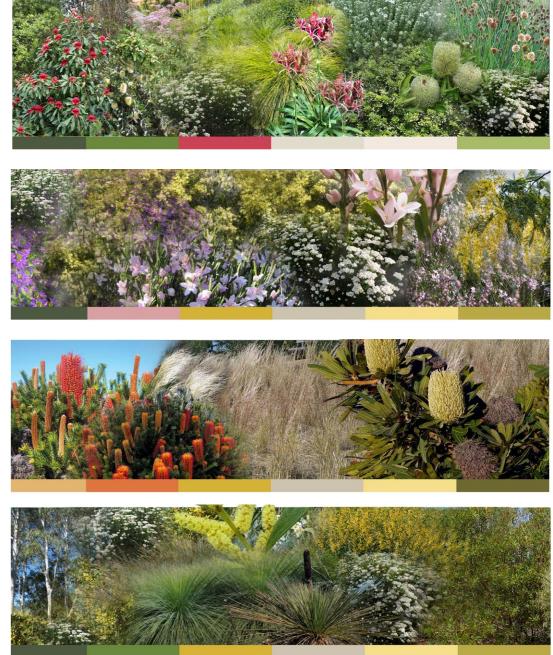


Drawing inspiration from the local character and culture of the Gosford region, a strong sense of connection from Ocean to mountains is fostered and celebrated. The Idigenous planting character of Gosford park is seamlessly integrated into the podiums and rooftops, creating a destination enriched with Darkingjung tradition.









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DKO ARCHITECTURE

SEASON JOURNEY FROM OCEAN TO MOUNTAINS

MATERIAL PALETTE

PAVING



CONCRETE UNIT PAVING (P4)



CONCRETE UNIT PAVING - SANDSTONE COLOUR (P2)



FEATURE SANDSTONE PAVEMENT W/ GRAVEL GRAVEL EDGING (G1) EDGE (P5)



FURNITURE & FIXTURES



MOVABLE SEATING



ROOFTOP LOUNGE & FIREPIT



POT PLANT GREENING



SANDSTONE BOLLARDS (B1)



BIKE RACKS (BR)



TIMBER & CONCRETE BLEACHER SEATS (BS2)

WALLS



CONCRETE RETAINING WALLS (W1)



CORTEN STEEL RETAINING WALL (W2)





SANDSTONE BLEACHER SEATING (BS1)



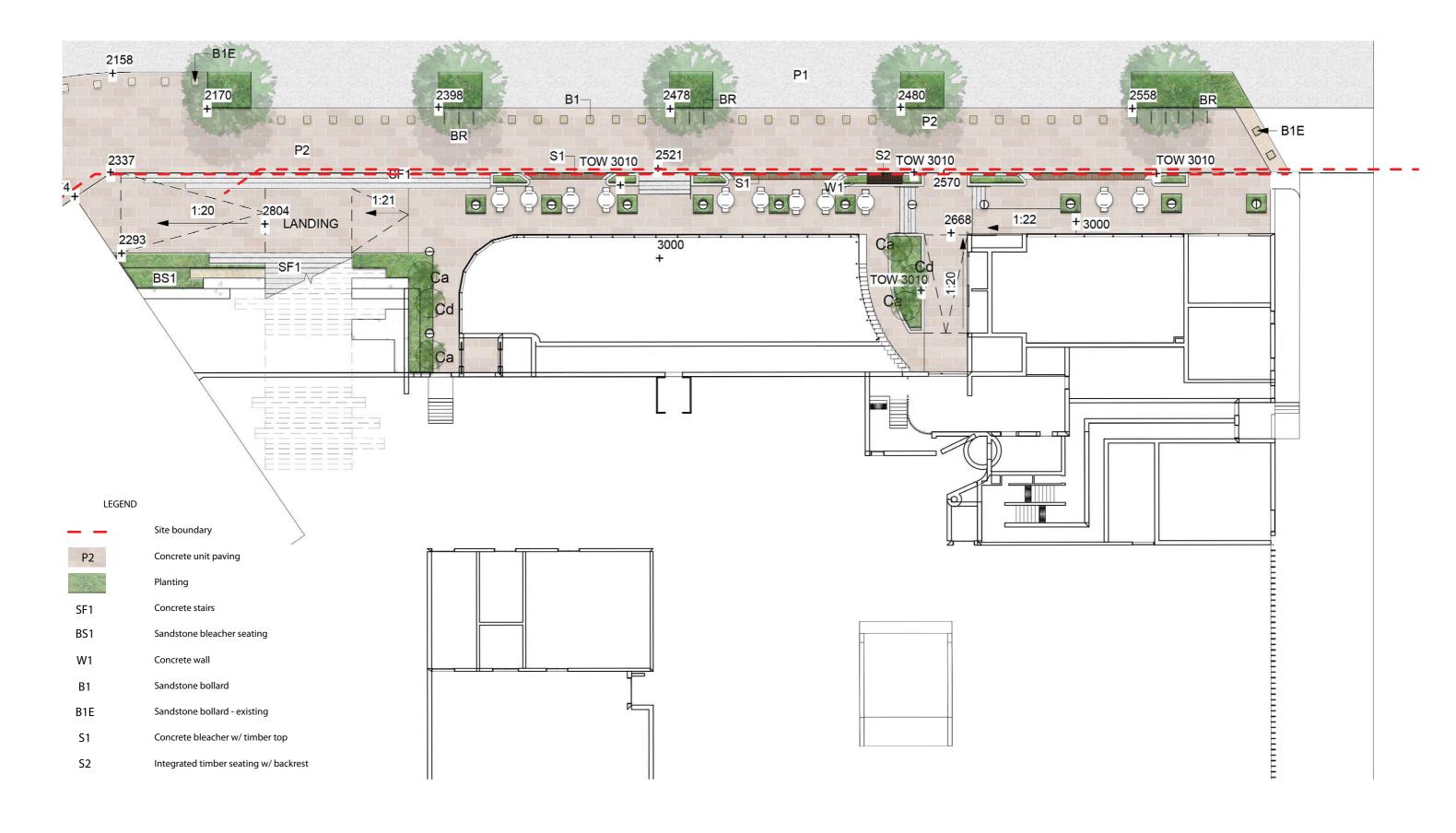
| DESIGN REPORT

BAKER STREET CONTEXT PLAN



DKO ARCHITECTURE

GROUND FLOOR LANDSCAPE PLAN



THROUGH SITE LINK









KEY	
1	Bleacher seating w
2	6m wide steps w/c
3	Feature sandstone
4	Integrated timber

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vith integrated planting

- central handrail
- e paving
- seating in planting

DESIGN REPORT

PODIUM LANDSCAPE PLAN









KEY		
1	Flexible gathering area	7
2	Integrated timber seating	8
3	Flexible deck space	9
4	Outdoor Office	10
5	Bush tucker garden	11
6	Sandstone seating	12

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NOTE: Final layout of bush tucker garden to be developed in colaboration with appropriate Indigenous consultant.

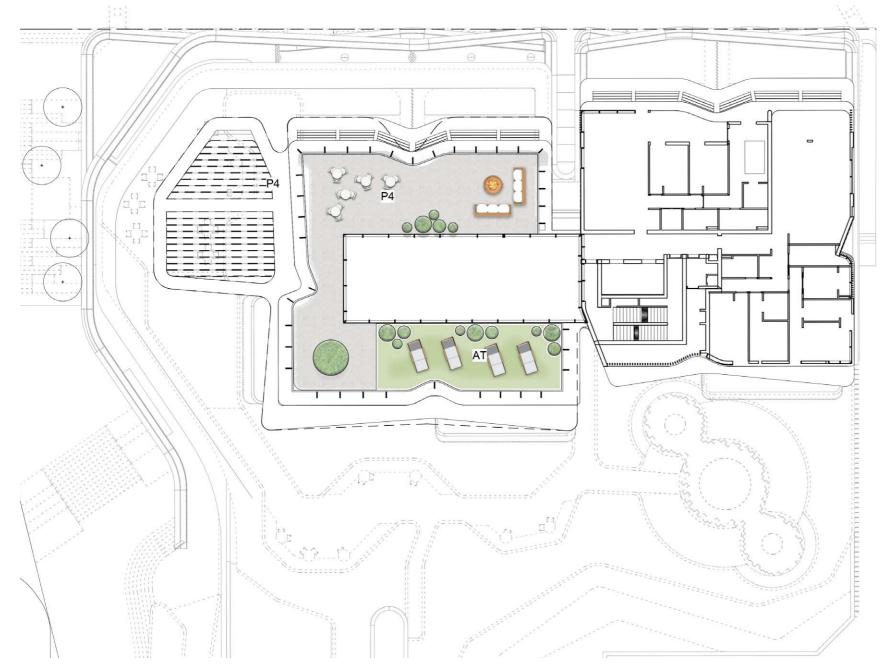




Fire stair access path
Concrete pavement
Paving with gravel edge
Coloured ballast
Private open space
Glass balustrade

DESIGN REPORT

ROOFTOP LANDSCAPE PLAN









KEY	
1	Flexible furniture
2	Lounge space & fi
3	Concrete paving
4	Growing garden

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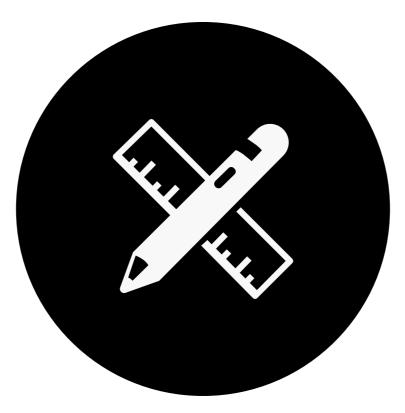
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	5	Integrated timber seating
e pit	6	Sunbathing lounges
	7	Artificial turf

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KEY DESIGN PRINCIPLES



Architecture

Streetscape Podium Tower Form Materiality

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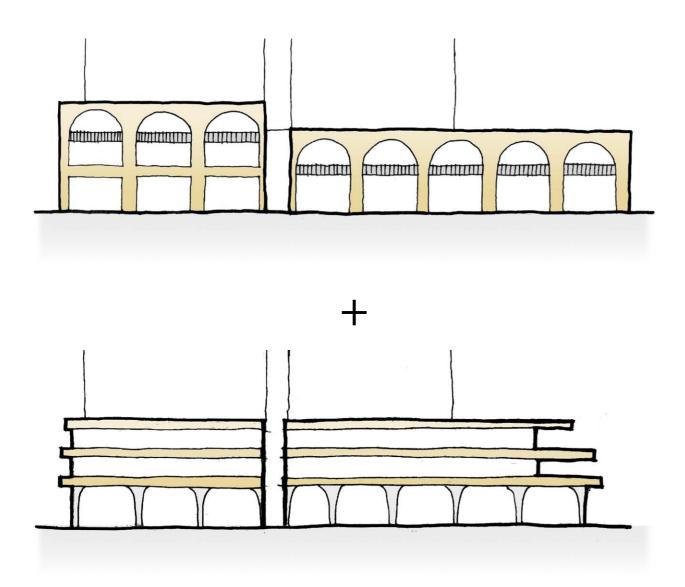
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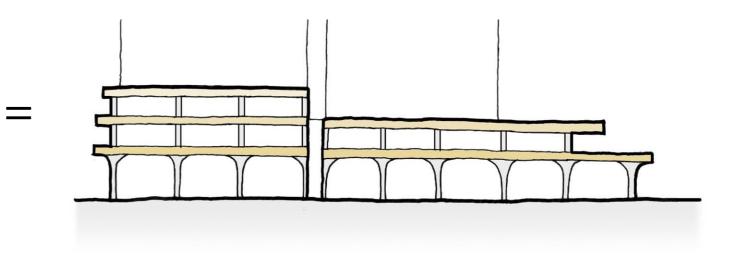
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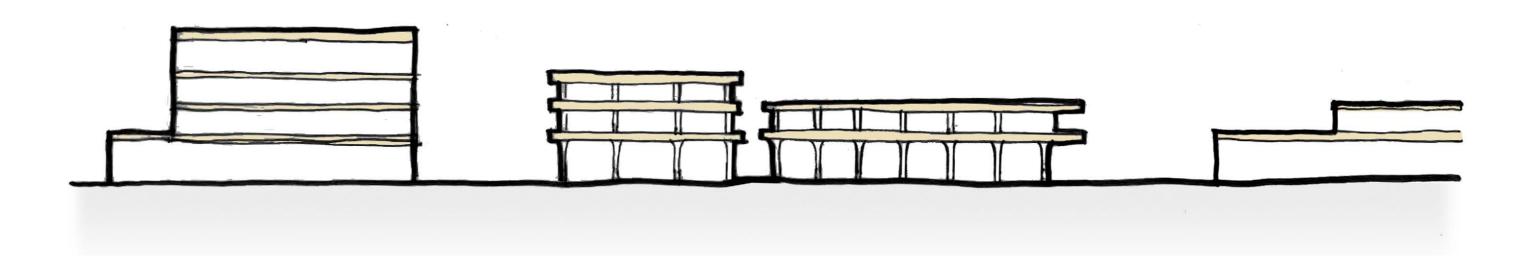


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99 GEORGIANA TERRACE

SUBJECT SITE



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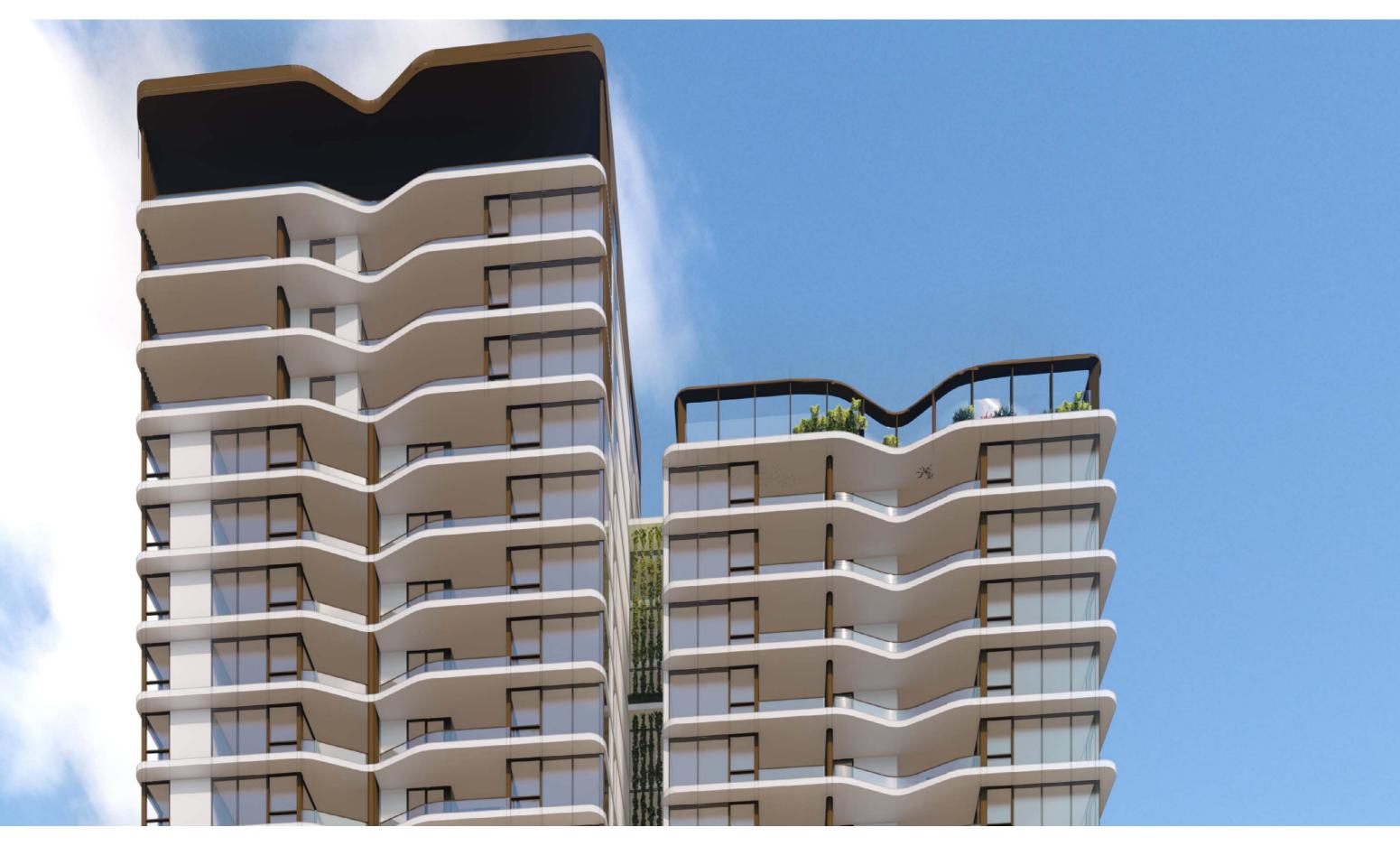


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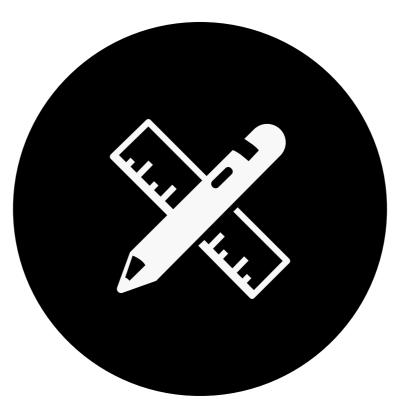
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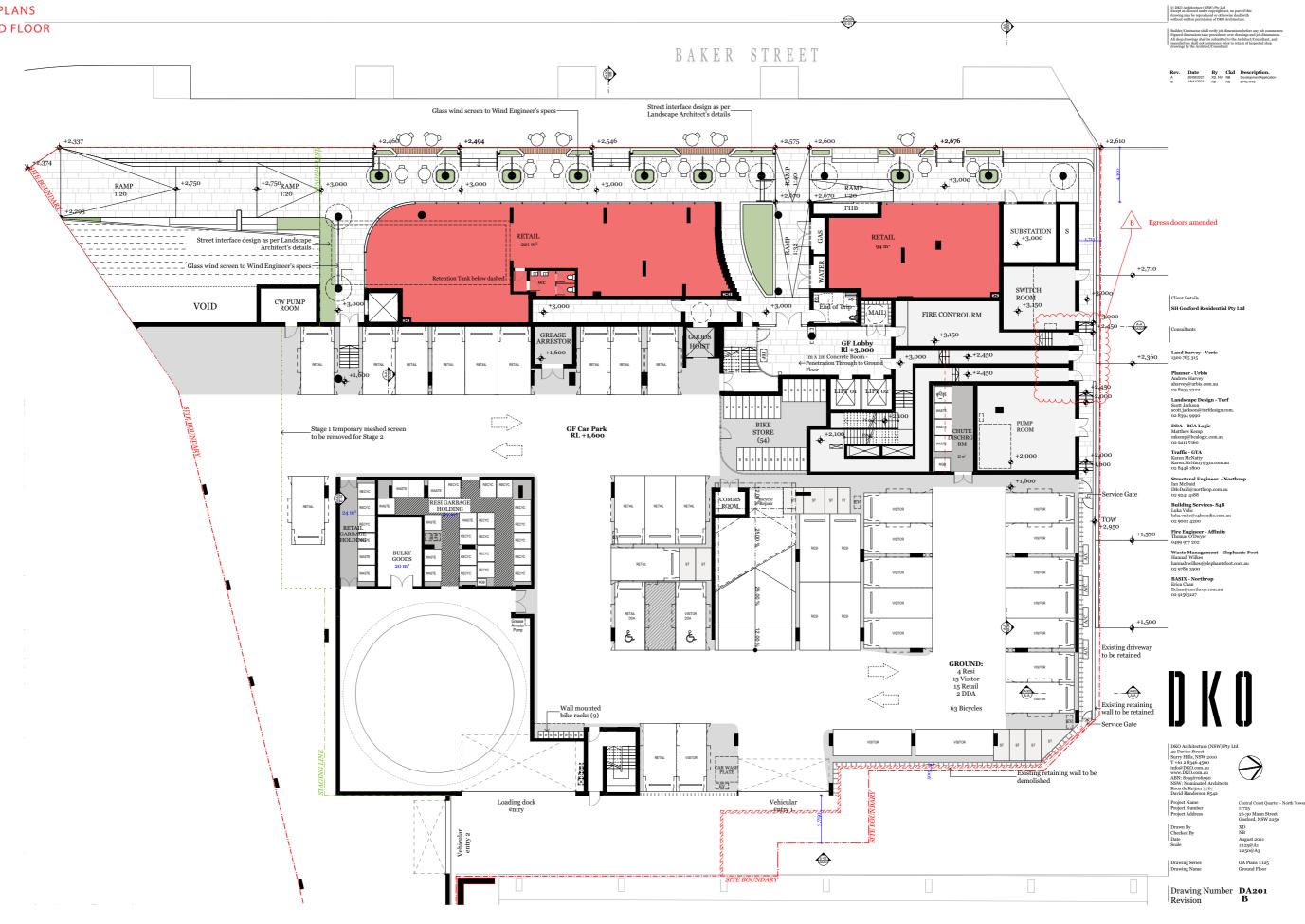
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Appendix

Architectural Drawings Compliance Development Summary Summary of DRP Meetings

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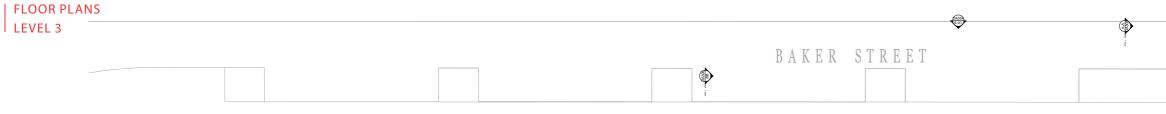
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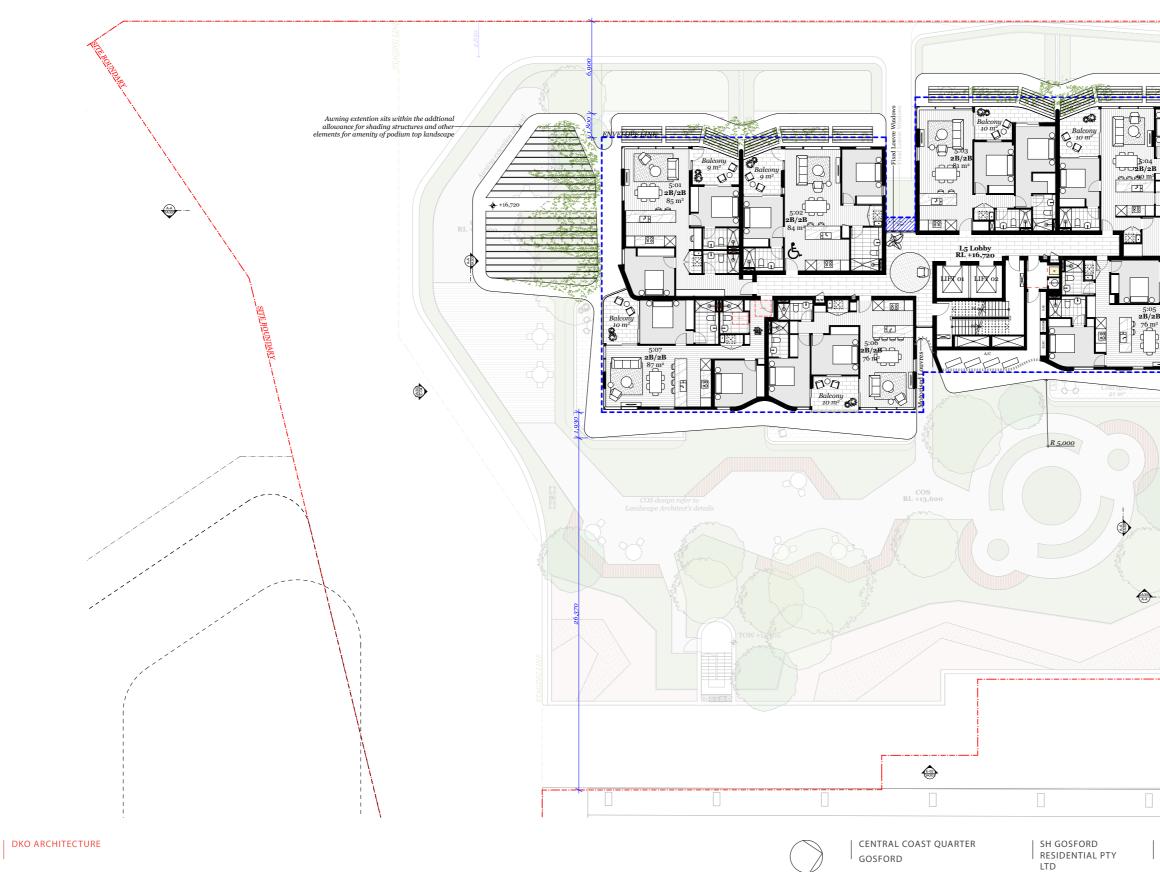
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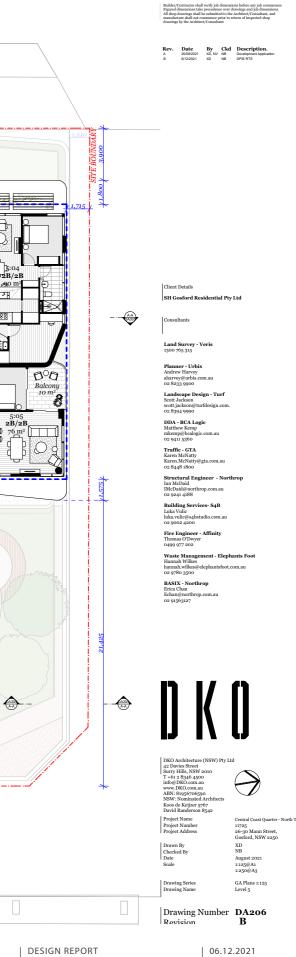
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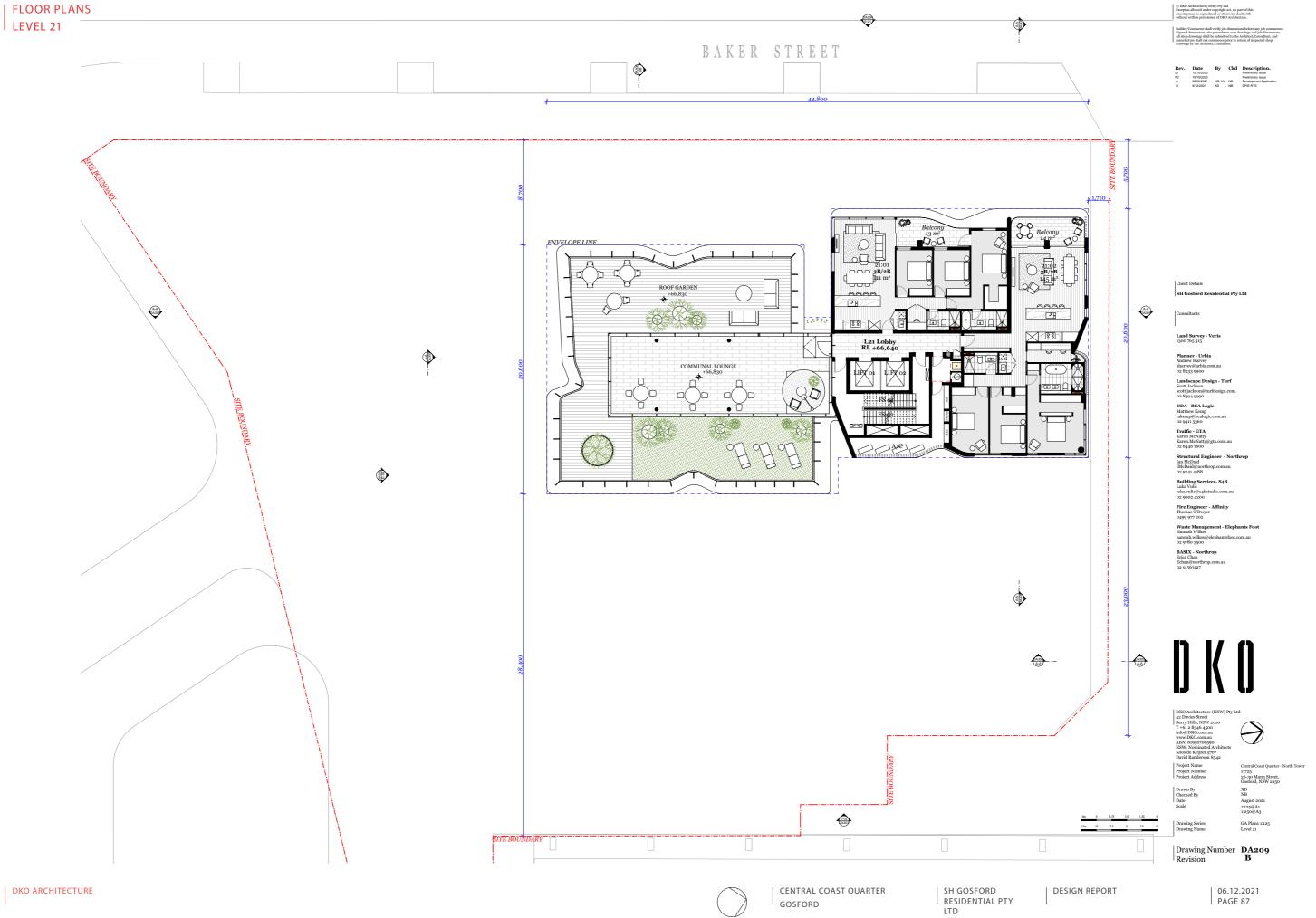
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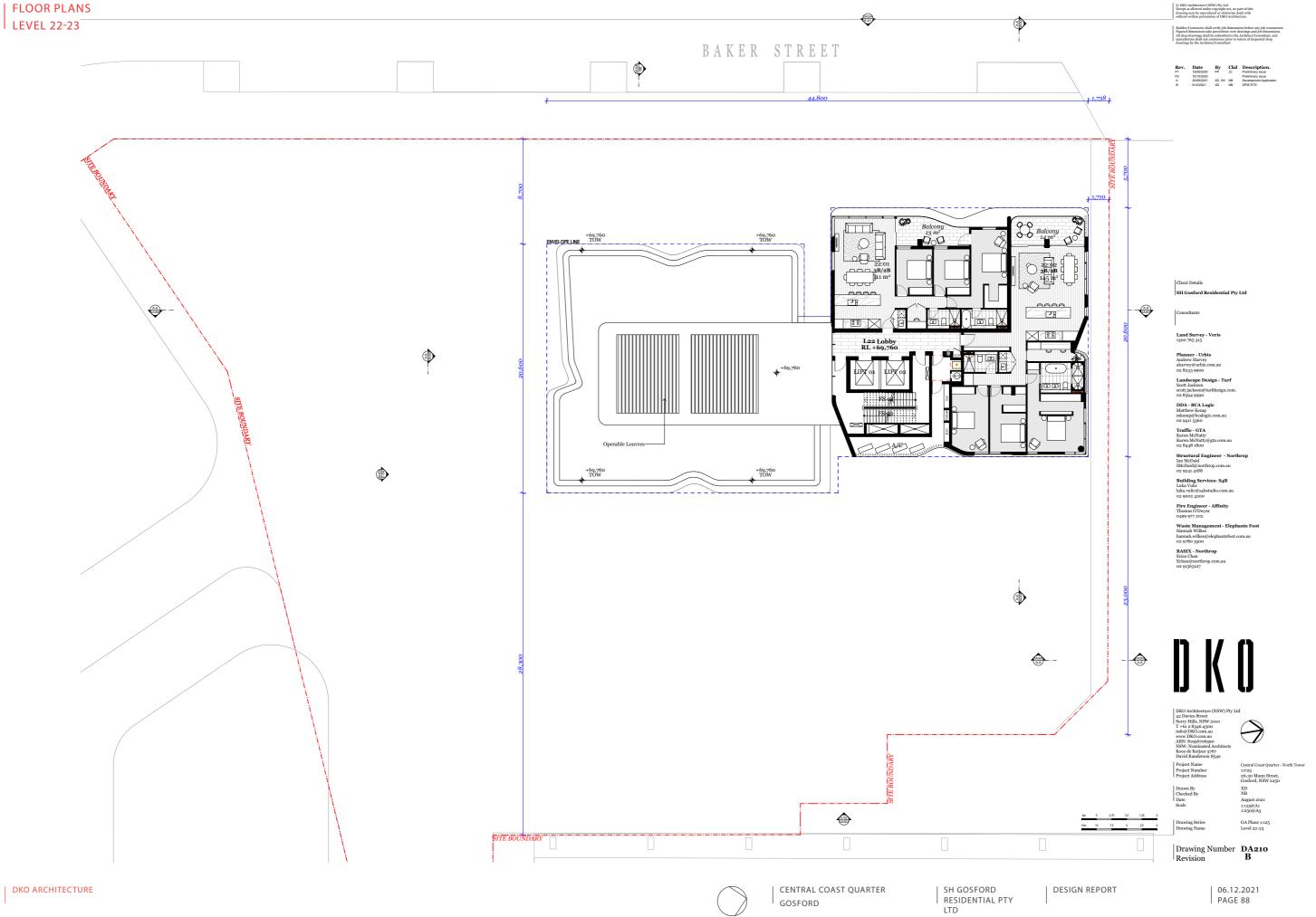
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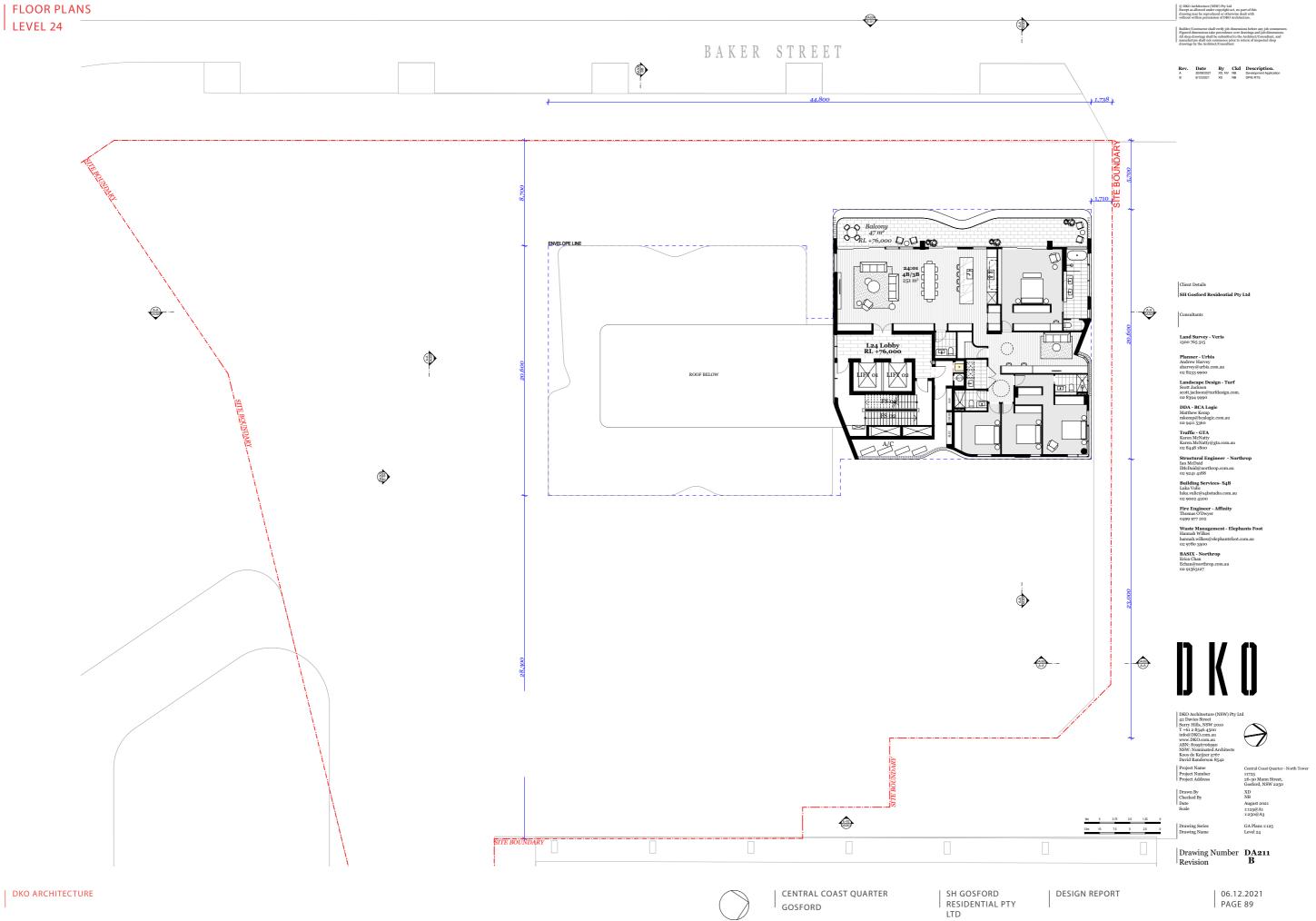
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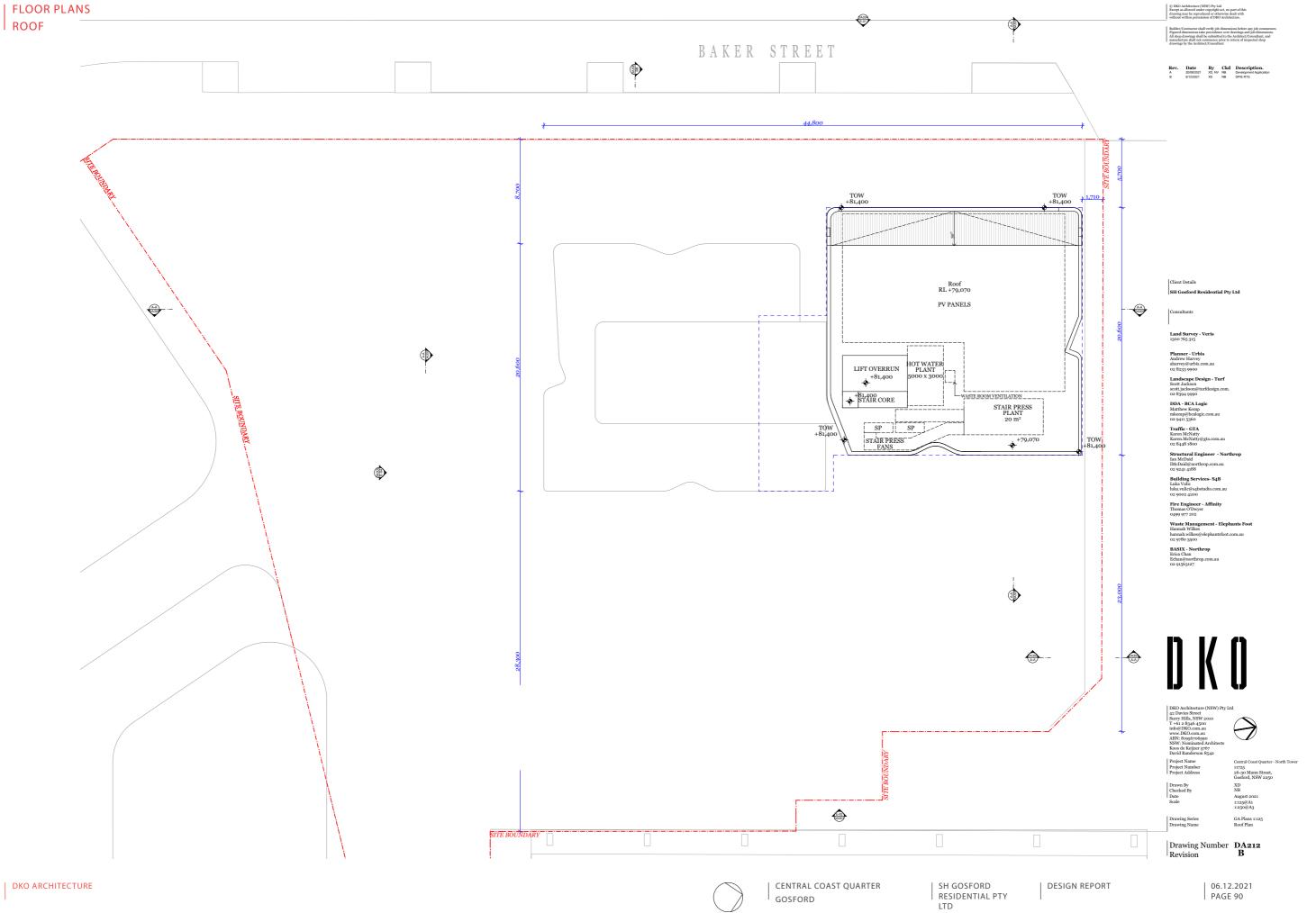


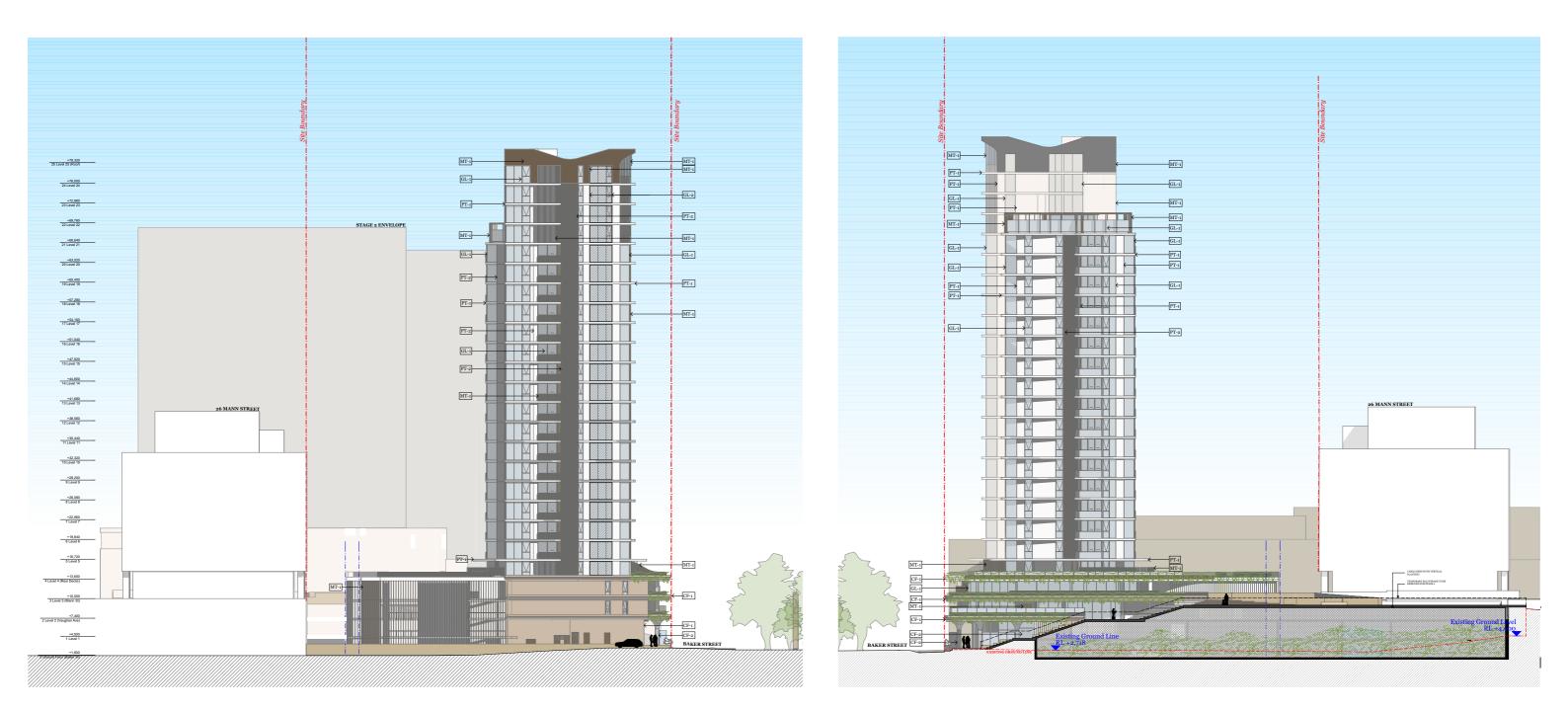
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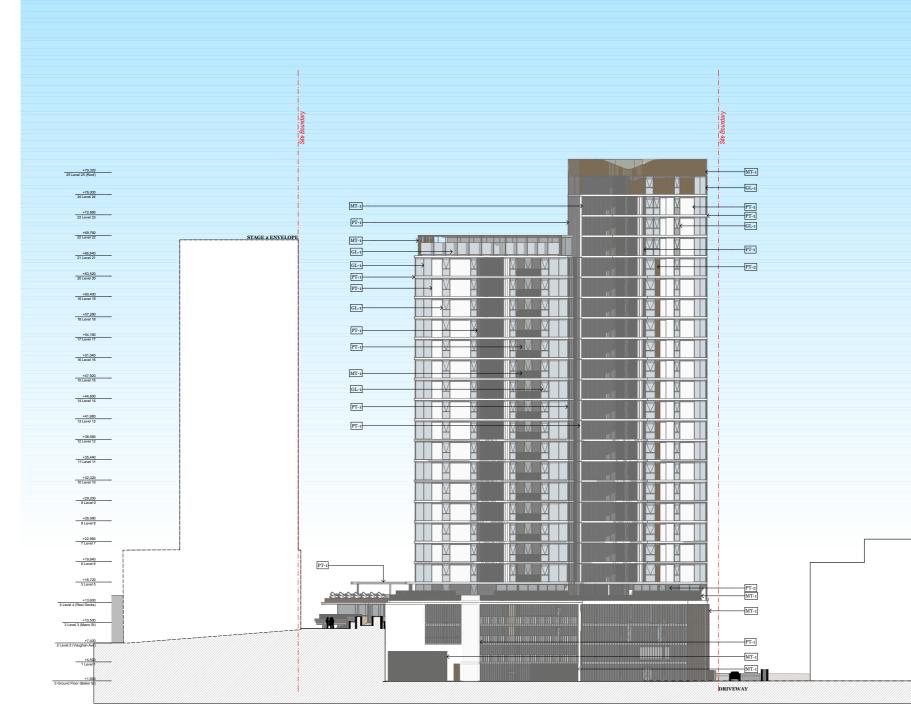


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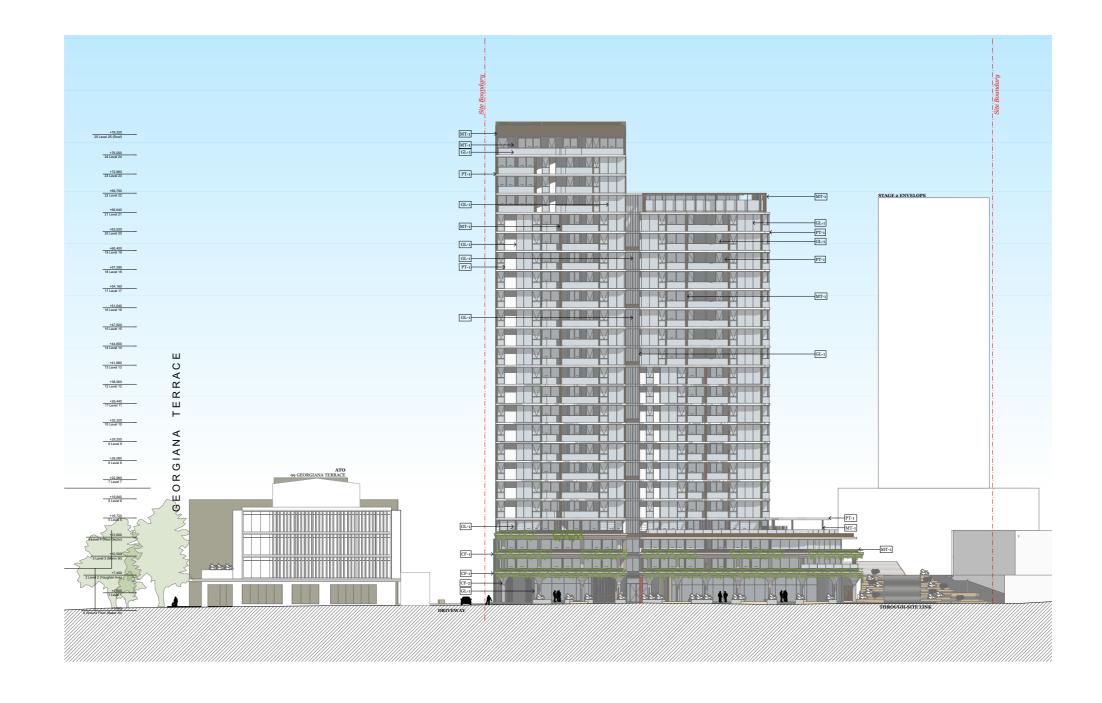






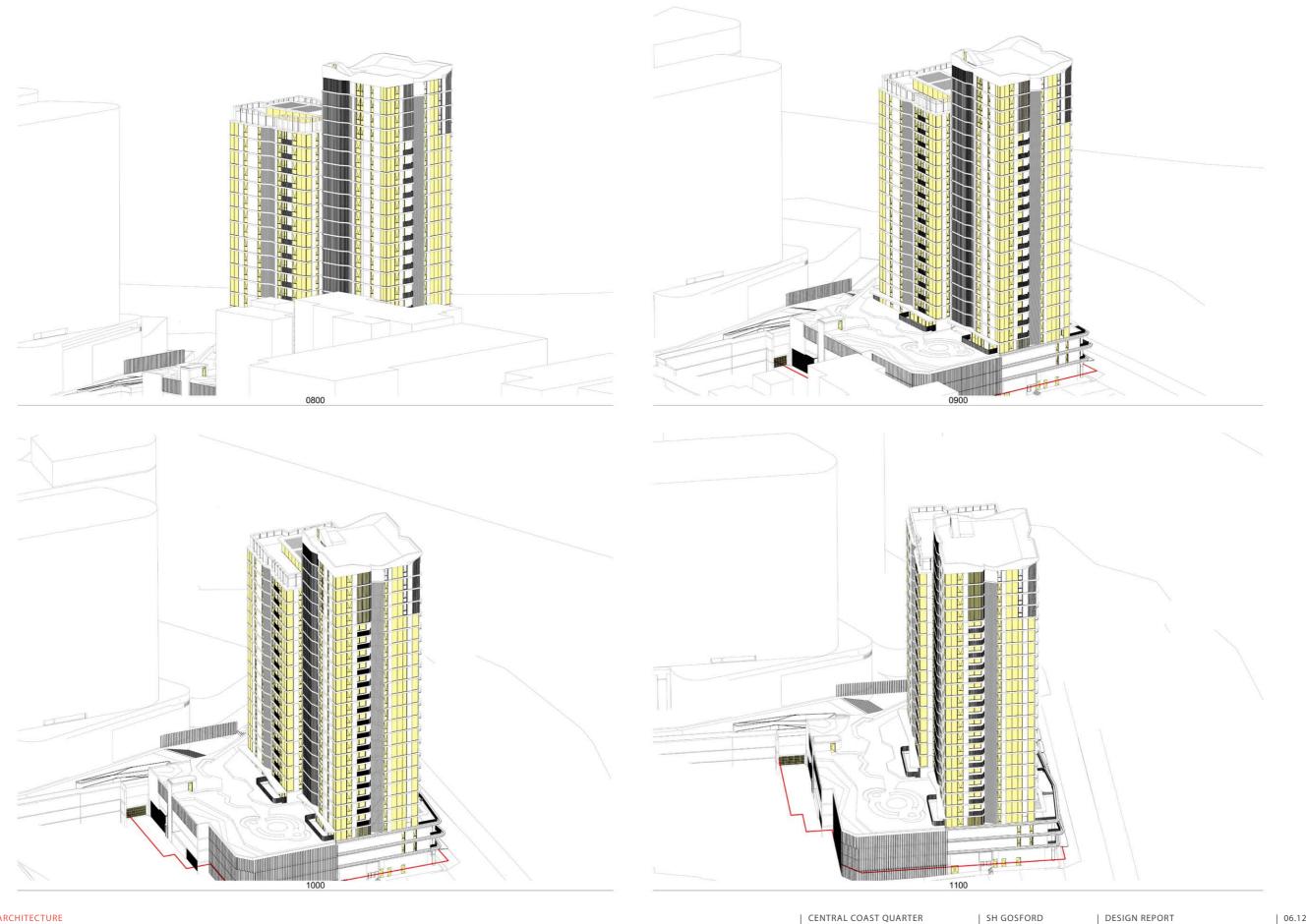


| DESIGN REPORT



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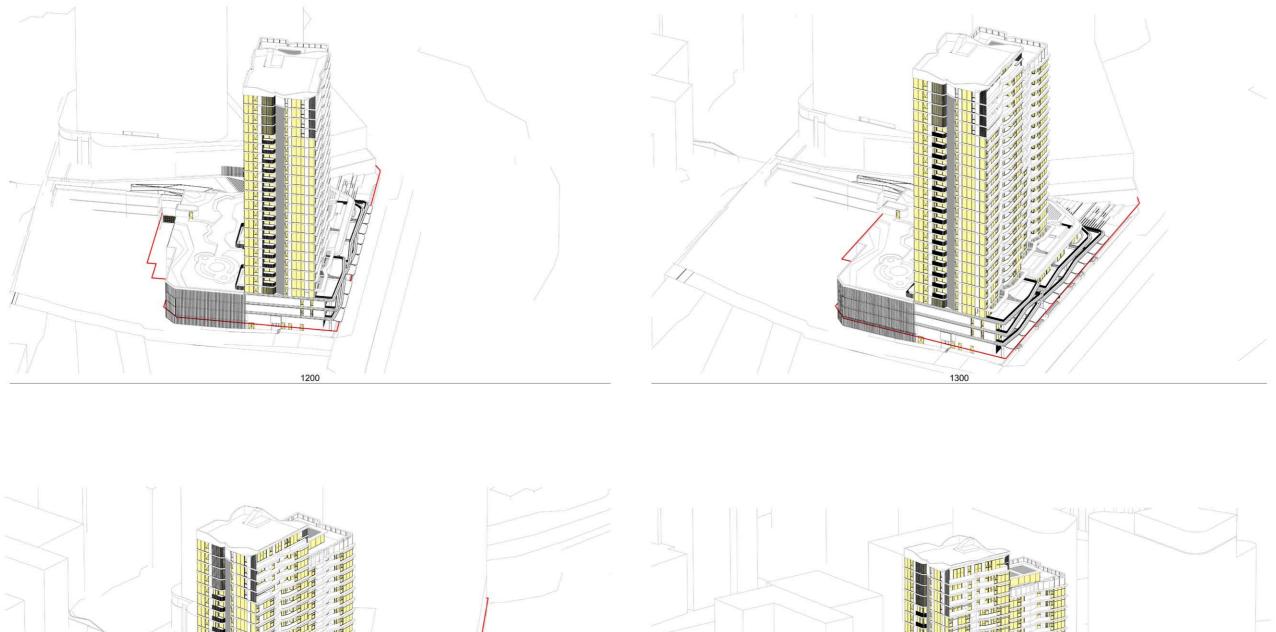
COMPLIANCE EYE OF THE SUN JUNE 21ST - 8AM TO 11AM

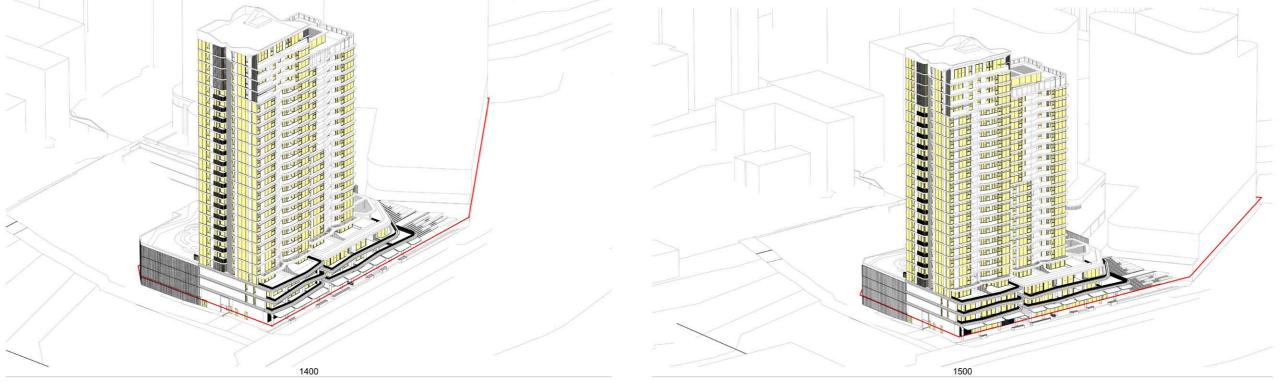


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COMPLIANCE EYE OF THE SUN JUNE 21ST - 12PM TO 3PM

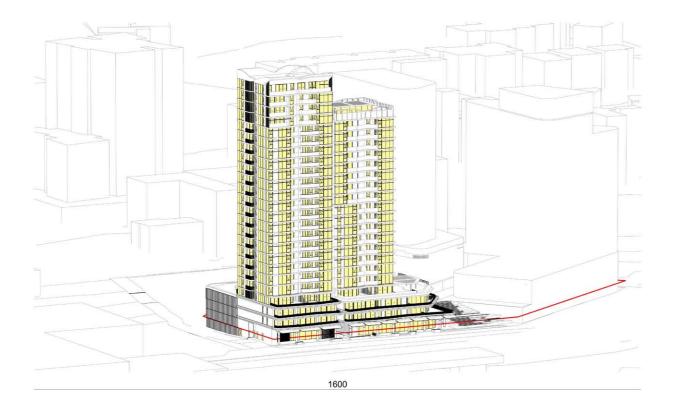




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COMPLIANCE SOLAR ACCESS FROM 9AM TO 3PM



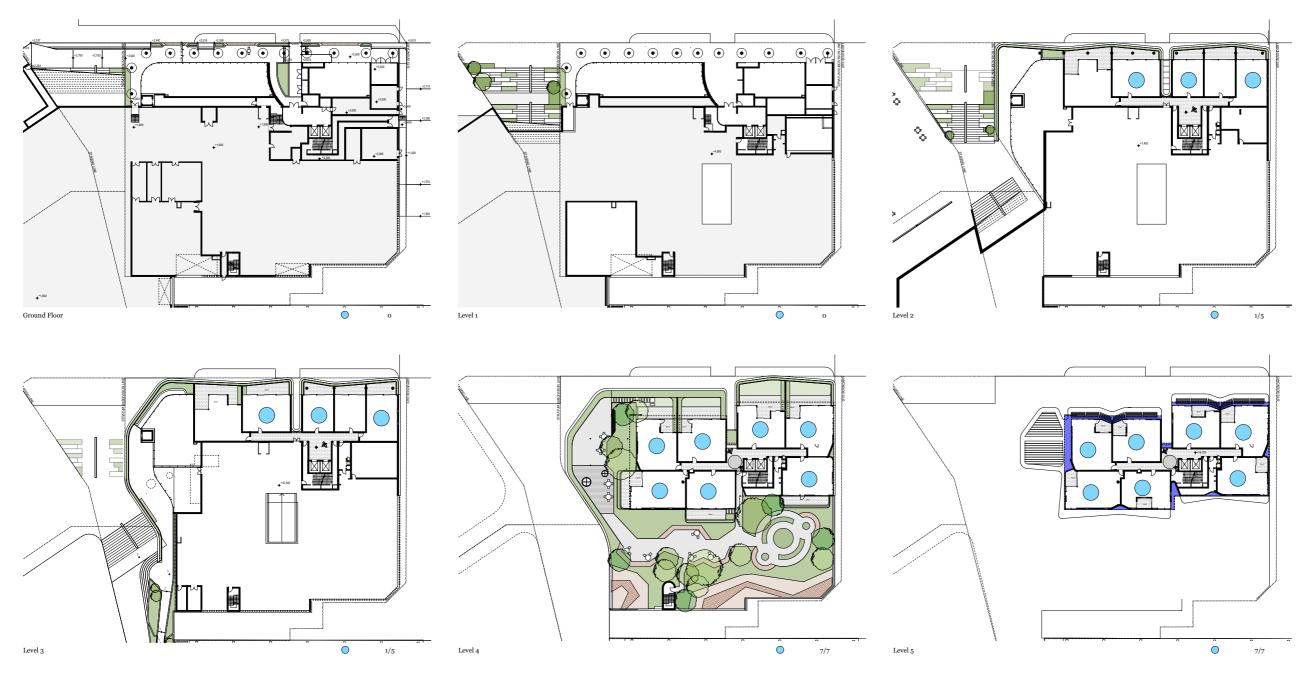
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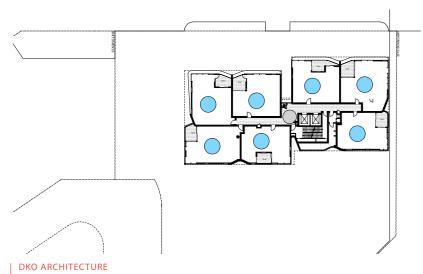
COMPLIANCE SOLAR ACCESS FROM 8AM TO 4PM



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COMPLIANCE CROSS VENTILATION 1:1000





Cross Ventilation Calculation

Total Unit Number : Up to 9 kreds Cross Ventilated units :

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45

41/45 (91%)

DEVELOPMENT SUMMARY

32 Mann Street Gosford

Development Summary

Site Area (Stage 1): Max GFA (FSR 3.5:1) sqm :1

3010

		Current 8/20/2021 Stage 1						*054
Unit Type	1B	2B	3B	PH(4B)	Subtotal	*GFA Retail	*NSA	*GFA
Target Sizes	50	70-85	95-110	130+		m²	m²	m²
N/A								
Ground Level						315	0	423
Level 1						0	0	
Level 2	3	2			5	229	349	658
Level 3	3	2			5	77	348	511
Level 4 (podium)		7			7		601	681
Level 5		7			7		580	656
Level 6		7			7		580	656
Level 7		7			7		580	656
Level 8		7			7		580	656
Level 9		7			7		580	656
Level 10		7			7		580	656
Level 11		7			7		580	656
Level 11 Level 12		7			7		580	656
Level 13	1	5	1		7		577	653
Level 14	1	5	1		7		577	653
Level 15	1	5	1		7		577	653
Level 16	1	5	1		7		577	653
Level 17	1	5	1		7		577	653
Level 18	1	5	1		7		577	653
Level 19	1	5	1		7		577	653
Level 20	1	5	1		7		577	653
Level 21			2	0	2		258	287
Level 22			2	0	2		258	287
Level 23			2	0	2		258	287
Level 24				1	1		251	278
Roof Level								
Subtotal	14	107	14	1	136	ľ		
Achieved Unit Mix	10%	79%	14	1%	100%			
Target Mix (St Hilliers)	15%	75%	10%	1/0	100%			
					•	·		
GFA Retail Total						621		
NSA Total							11579	
NSA 10tal							115/9	

	Residential	Accessible	Visitor	Retail	Total			Residential	Retail	Visitors	TOTAL
Level Ground	4	2	15	15	36	1	Motorcycle	1/15 unit	1/25 Spaces		10
Level 1	38	3	10	0	51		Bicycle	1/3 unit	1/200m ² GFA (Employees)	1/12 unit	63
Level 2	44	7	0	0	51				1/750m ² GFA (Visitors)		
Level 3	40	5	0	0	45						
Total	126	17	25	15	183	٦					