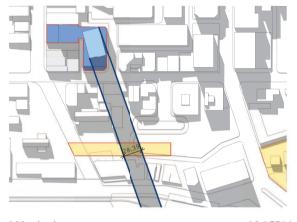


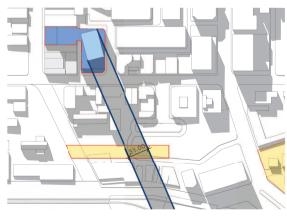
17% shadow

12:00PM



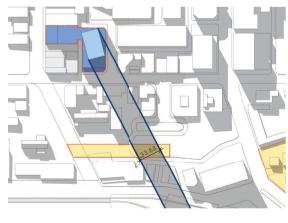
19% shadow

12:15PM



21% shadow

12:30PM



23% shadow

12:45PM

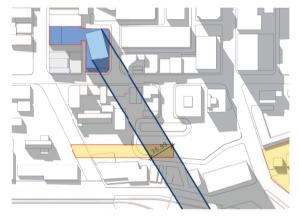
### **INVESTIGATION & ANALYSIS**

### Proposed Envelope

Parramatta Square Shadow Analysis 12pm-2pm

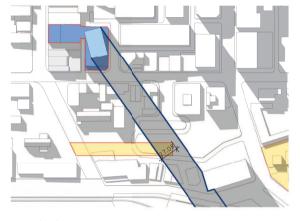
Further detailed shadow analysis has been undertaken on the proposed Parramatta Square public domain strip at 15min intervals and identifies the shadow speed and minimal impact of the proposed building envelope.

12pm-2pm No overshadowing window



23% shadow

1:00PM



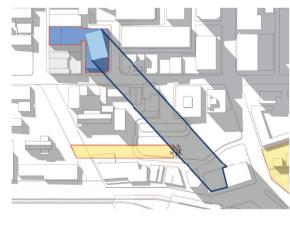
15% shadow

1:15PM



5% shadow

1:30PM



0% shadow

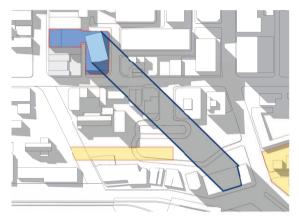
1:45PM

# **INVESTIGATION & ANALYSIS**

### Proposed Envelope

Parramatta Square Shadow Analysis 12pm-2pm

12pm-2pm No overshadowing window



0% shadow

2:00PM

### **INVESTIGATION & ANALYSIS**

Proposed Envelope

Parramatta Square Shadow Analysis 12pm-2pm

12pm-2pm No overshadowing window

48 Macquarie & 220 Church Street | Urban Design Analysis

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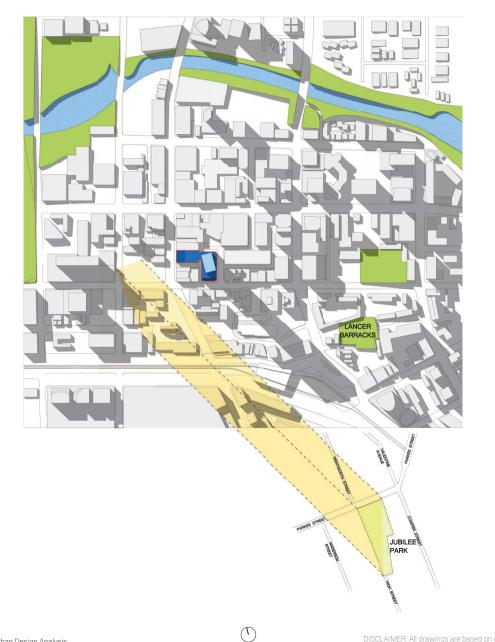


## **INVESTIGATION & ANALYSIS**

### Proposed Envelope

Lancer Barracks Shadow Analysis - 2PM DCP 2011 REF FIGURE 4.3.3.1.13

Based on the following analysis there is no impact on Lancer Barracks at the prescribed time.

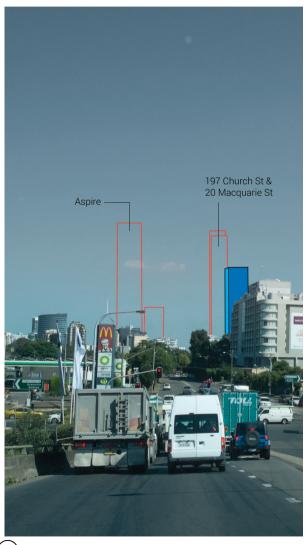


# **INVESTIGATION & ANALYSIS**

### Proposed Envelope

Jubilee Park Shadow Analysis - 2PM DCP 2011 REF FIGURE 4.3.3.1.14

Based on the following analysis there is no impact on Jubilee Park.



(1.) Looking West from James Ruse Drive and Hassall Street

NOTE: Surrounding Building Information - Parramatta Future Generation, Investing in Western Sydney, Parramatta City Council, Nov 2014; The "Greenway" Arcade by Willana Assosciates; 11 Hassall Street Height Analysis, Apr 2014 by JBA.



(2.) Looking North along Church Street and Great Western Highway

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# **INVESTIGATION & ANALYSIS**

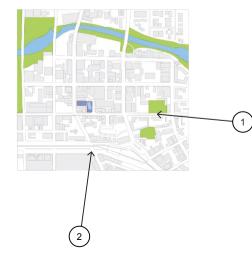
### Proposed Envelope

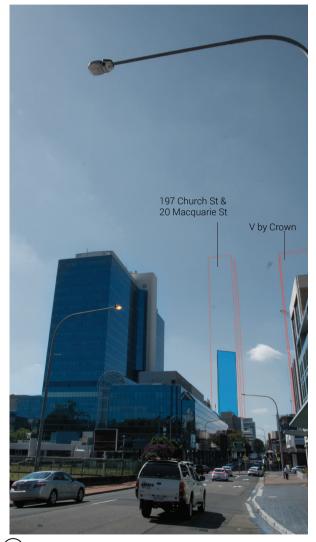
### View Corridors

Photo overlays from key view corridors across the city have been undertaken showing the proposed building envelope and proposed towers from surrounding developments.



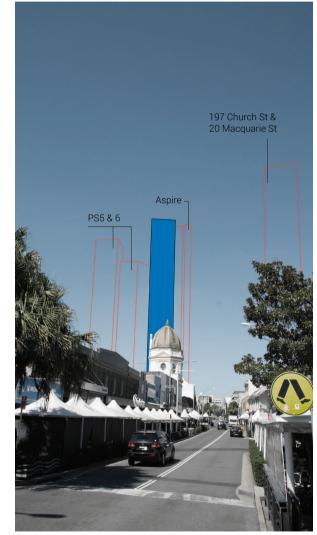
Potential Future Developments





(3. Looking East from Macquarie and O'Connell Street

NOTE: Surrounding Building Information - Parramatta Future Generation, Investing in Western Sydney, Parramatta City Council, Nov 2014; The "Greenway" Arcade by Willana Assosciates; 11 Hassall Street Height Analysis, Apr 2014 by JBA.



Looking South along Church Street (4.)

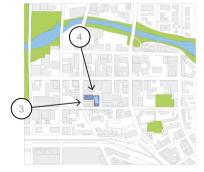
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### **INVESTIGATION & ANALYSIS**

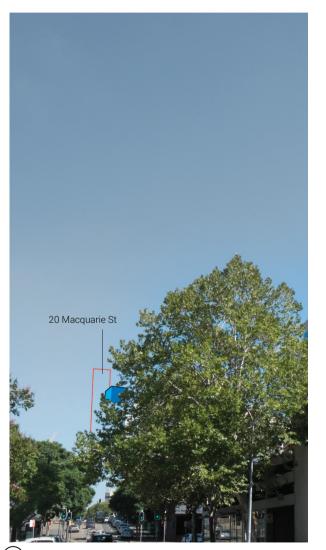
### Proposed Envelope

View Corridors



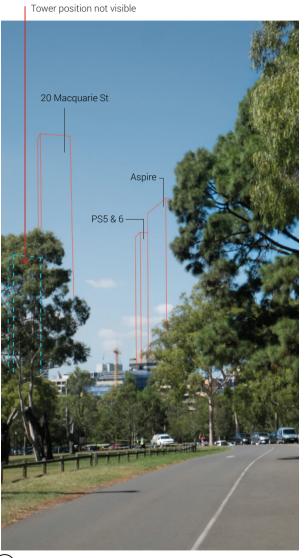






(5.) Looking West from Macquarie and Hassall Street

NOTE: Surrounding Building Information - Parramatta Future Generation, Investing in Western Sydney, Parramatta City Council, Nov 2014; The "Greenway" Arcade by Willana Assosciates; 11 Hassall Street Height Analysis, Apr 2014 by JBA.



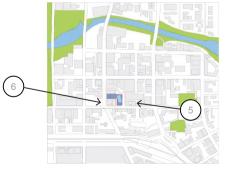
(6.) Looking South-East from Government House

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### **INVESTIGATION & ANALYSIS**







DISCLAIMER: All drawings are based on existing scanned pdfs and other gathered data. All dimensions are indicative only and subject to survey confirmation

Tower position not visible



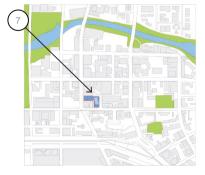
7. Looking South-East from Pirtek Stadium

**INVESTIGATION & ANALYSIS** 

### Proposed Envelope

View Corridors





NOTE: Surrounding Building Information - Parramatta Future Generation, Investing in Western Sydney, Parramatta City Council, Nov 2014; The "Greenway" Arcade by Willana Assosciates; 11 Hassall Street Height Analysis, Apr 2014 by JBA.

BUILDING ENVELOPE DRAWINGS

# **BUILDING ENVELOPE DRAWINGS**

The massing envelope drawings aim to establish parameters that enable flexibility and innovation during any potential detailed design or competitive design phases.

Some of these parameters include;

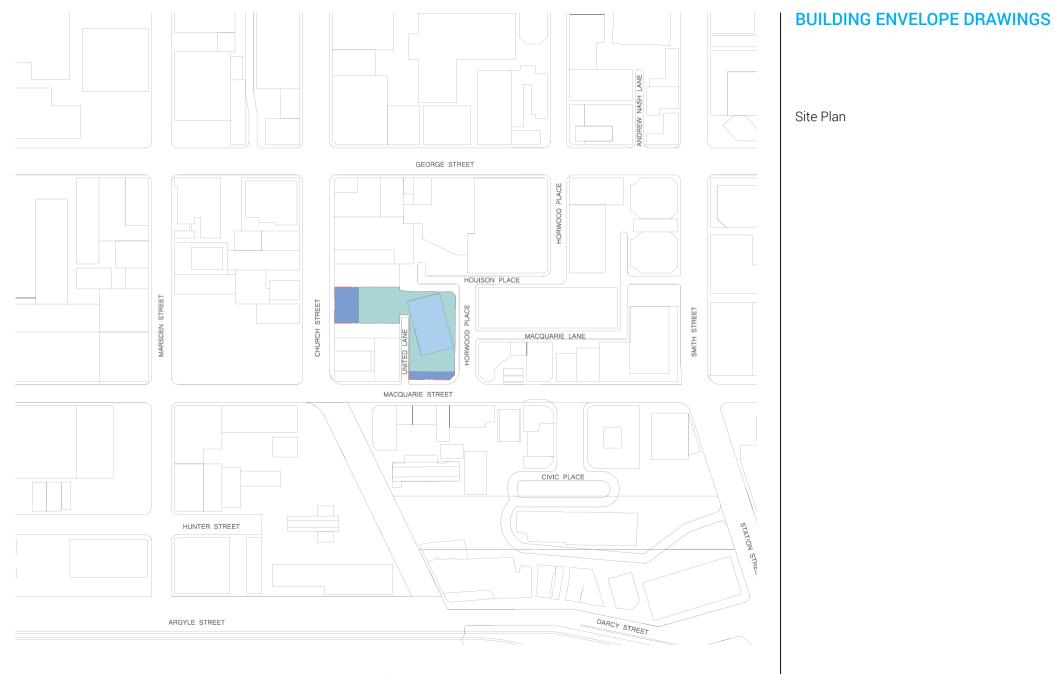
- An opportunity to create a key new built element for Parramatta that will make a positive contribution to the city skyline and will serve as a future landmark.
- Establish active edges for the podium levels, providing human scale, a consistent street edge, and integrating the development with its immediate context
- Establish a built form and massing for the tower that responds to local urban context.
- Provide for increased permeability across the site.
- Provide for development flexibility; the envelope can accommodate a variety of tower and podium proportions to address future economic, market and social demands.

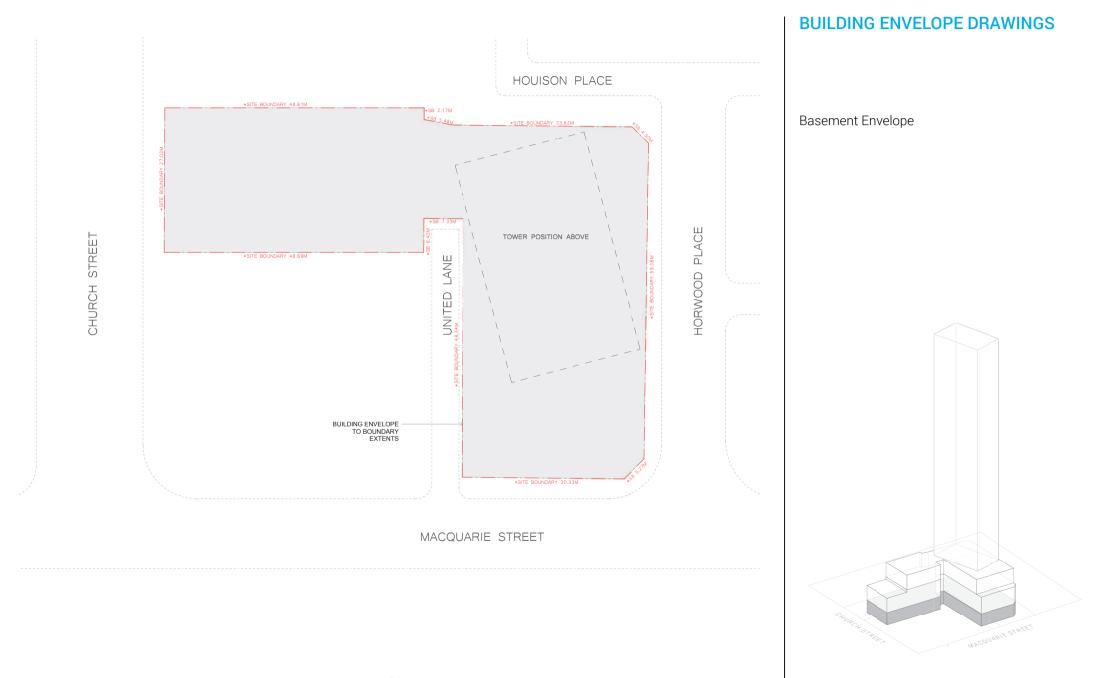
While potential uses and floorplate levels are noted in the massing envelope drawings, the final mix and individual plate heights will be determined during the detailed design or competitive design processes.

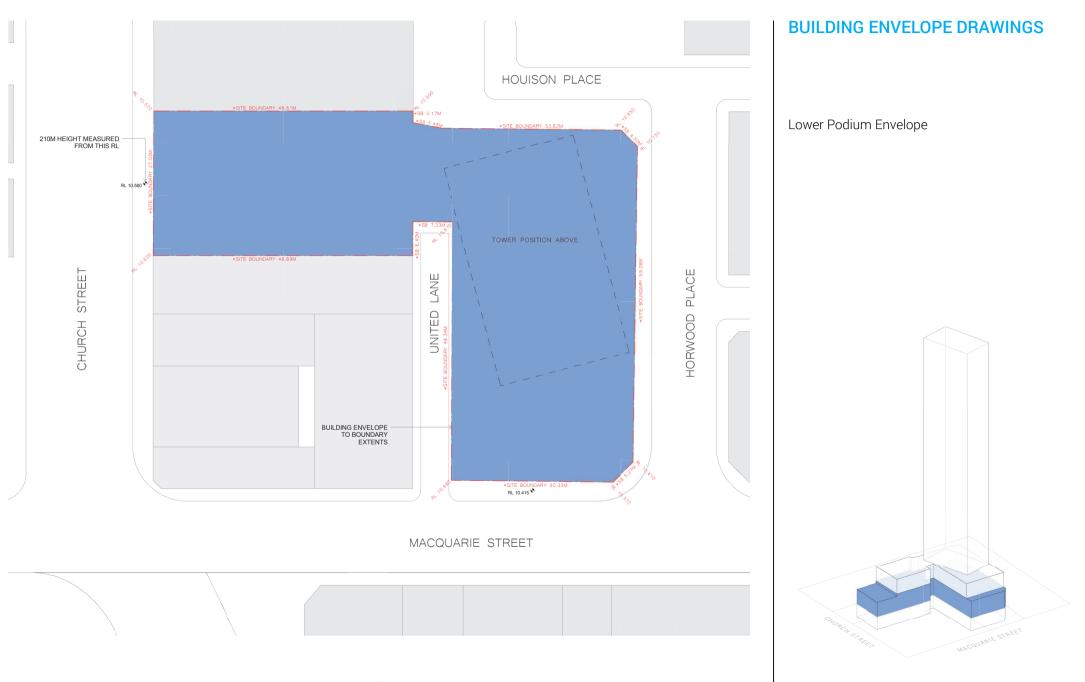
Any final design will need to adhere to the boundaries and limits defined by the building envelope.

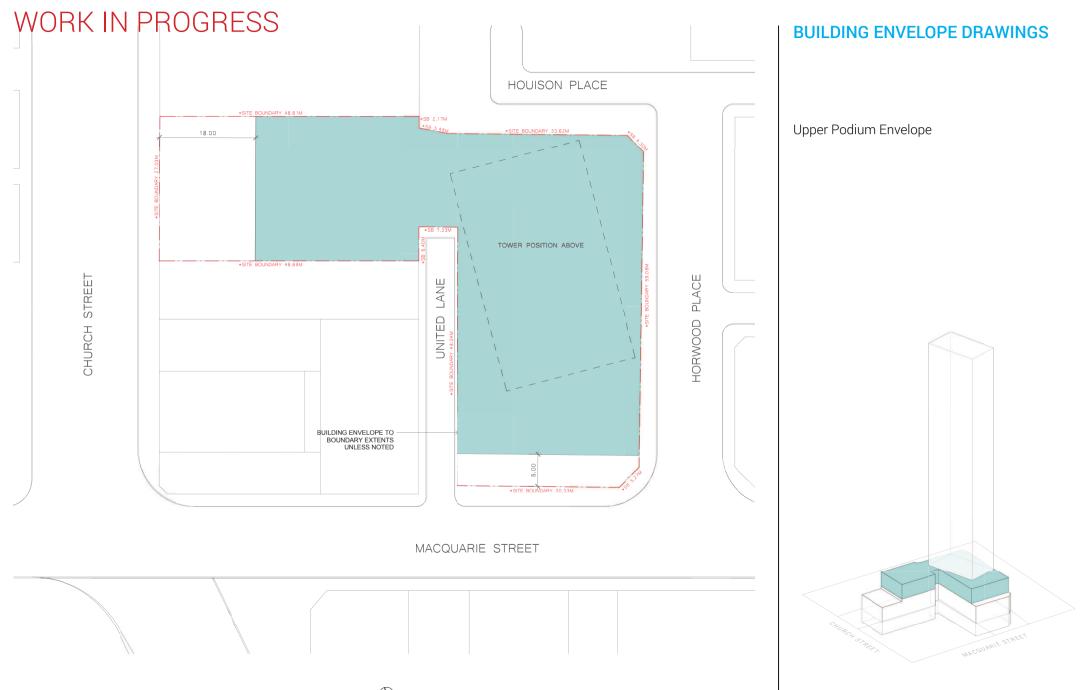
### Site Plan

Basement Envelope Lower Podium Envelope Upper Podium Envelope Section AA Section BB North Elevation South Elevation East Elevation West Elevation 3D Massing

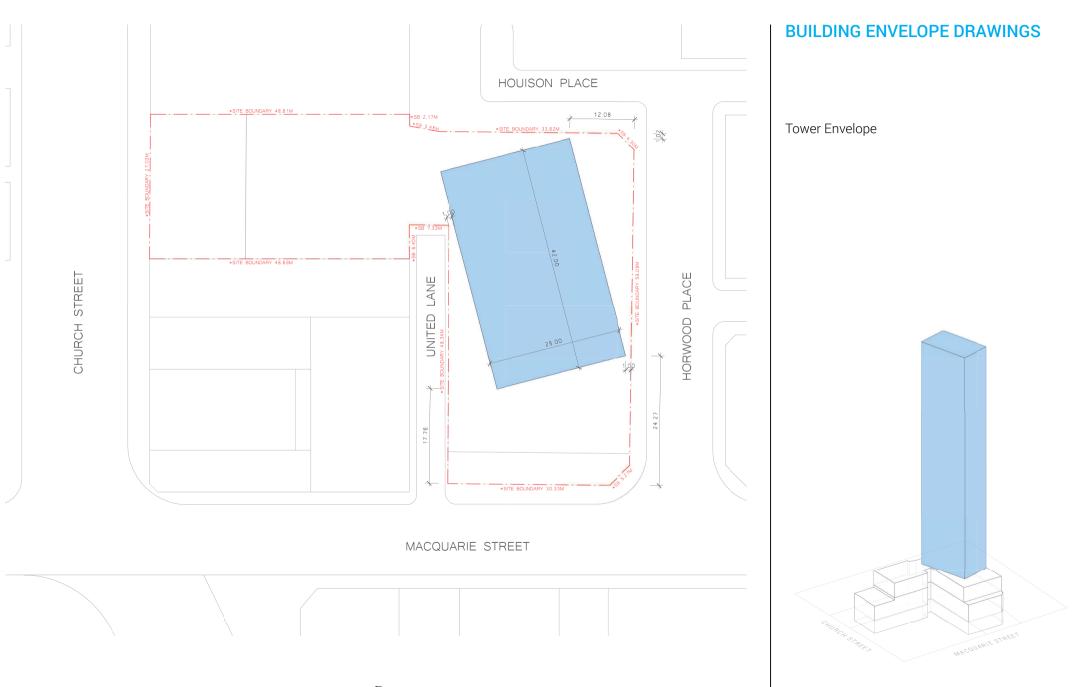




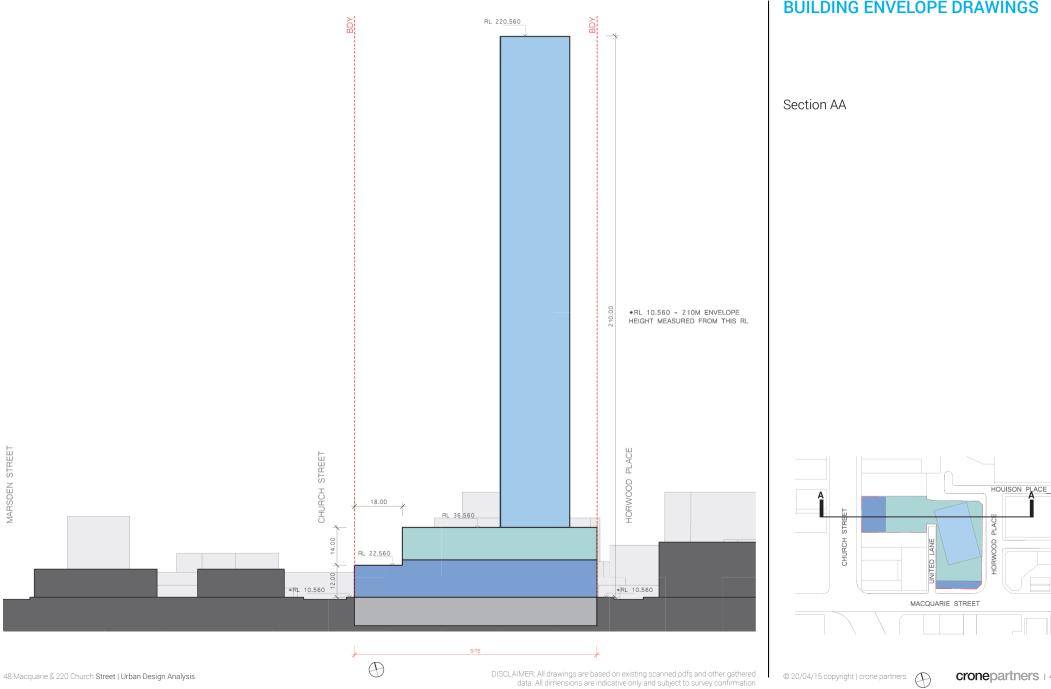




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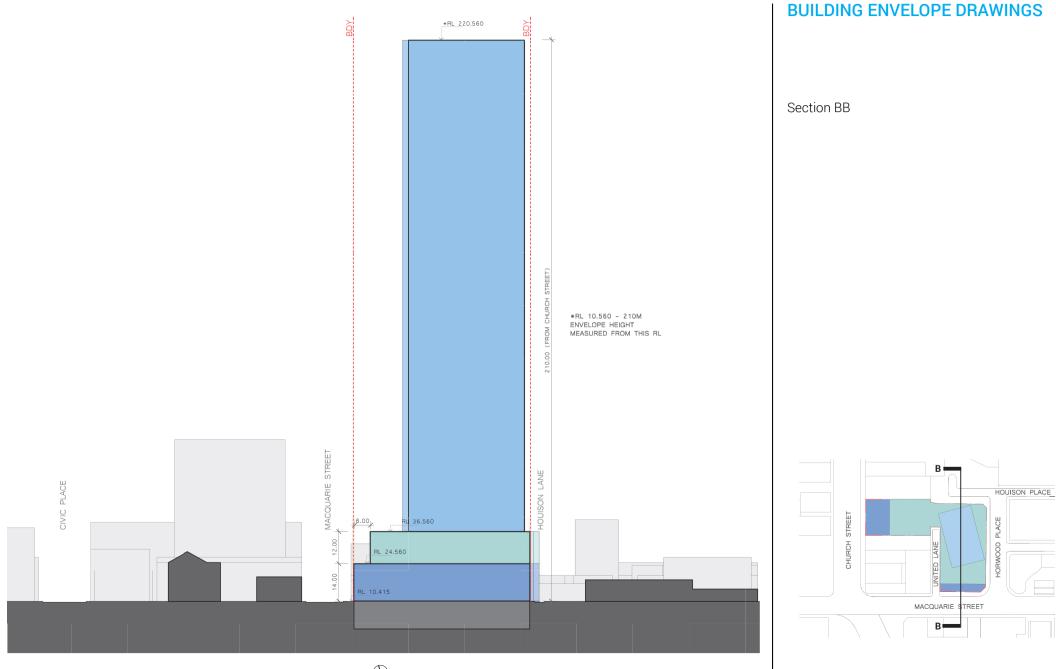


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### **BUILDING ENVELOPE DRAWINGS**

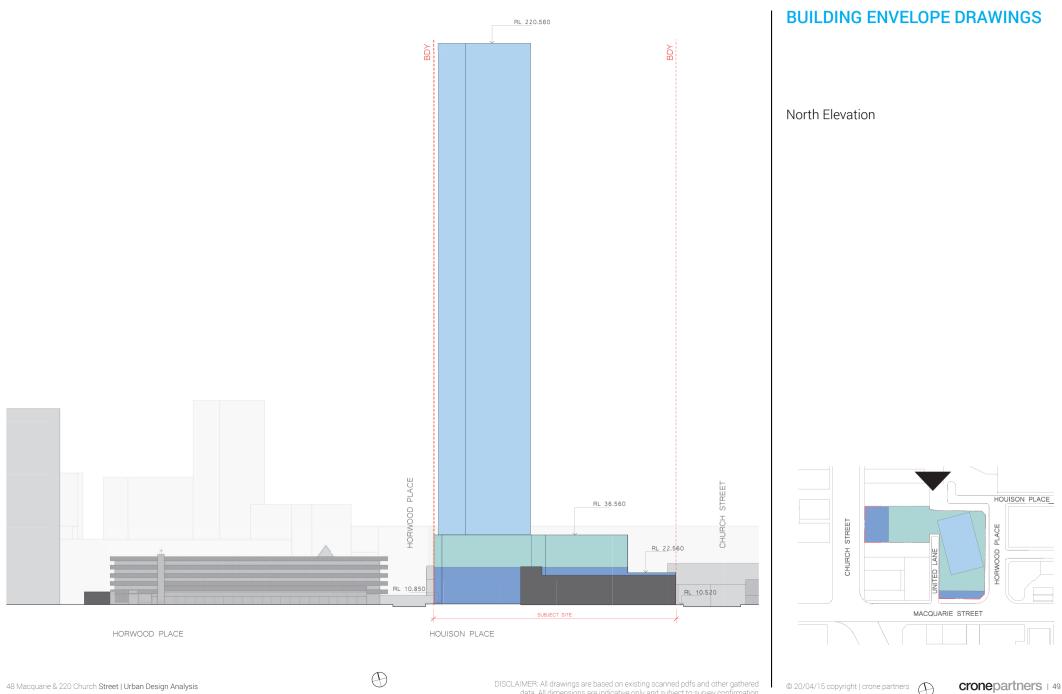
cronepartners | 47



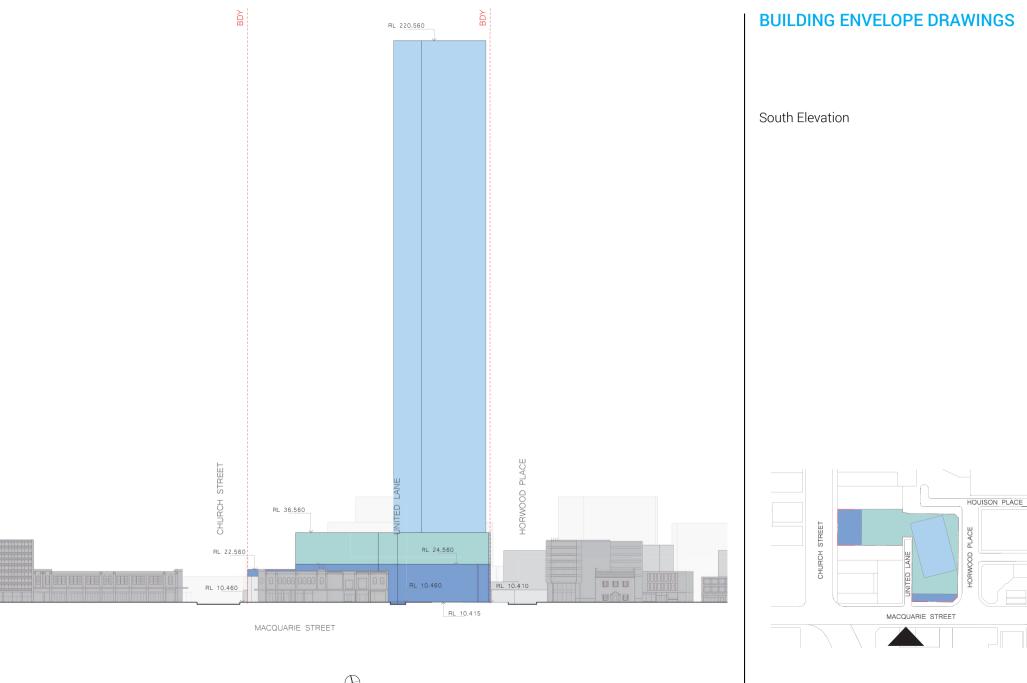
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DISCLAIMER: All drawings are based on existing scanned pdfs and other gathered data. All dimensions are indicative only and subject to survey confirmation © 20/04/15 copyright | crone partners

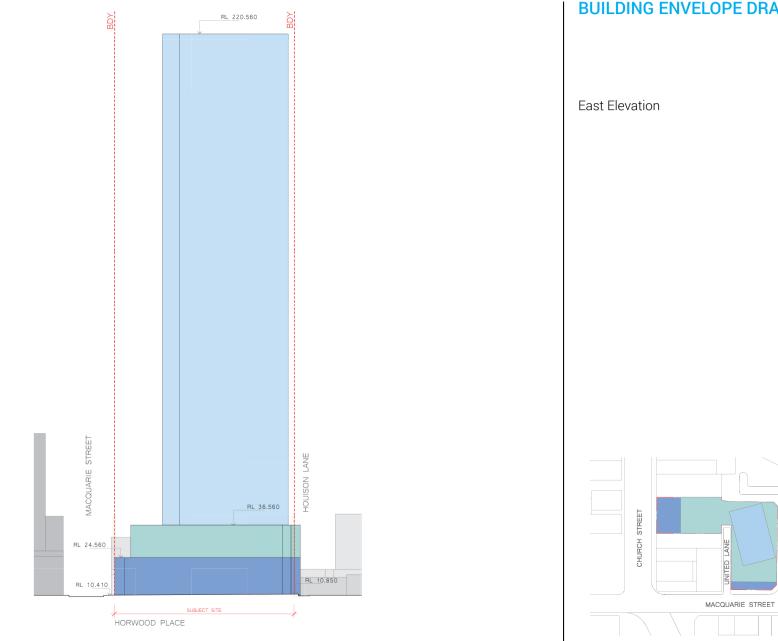


cronepartners | 49



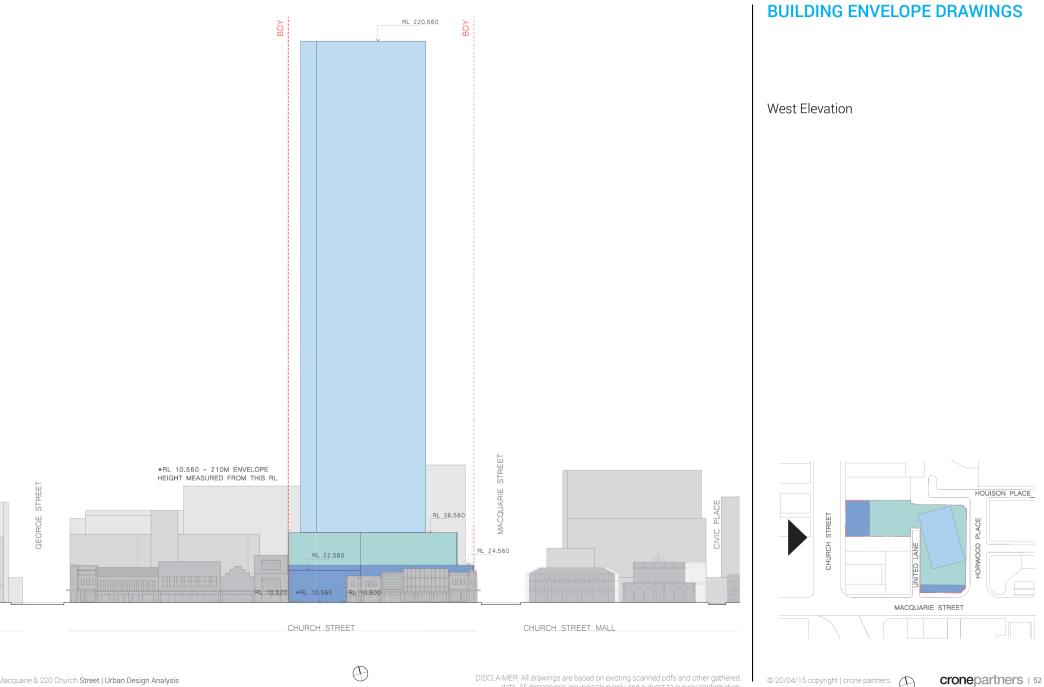
cronepartners 1 50

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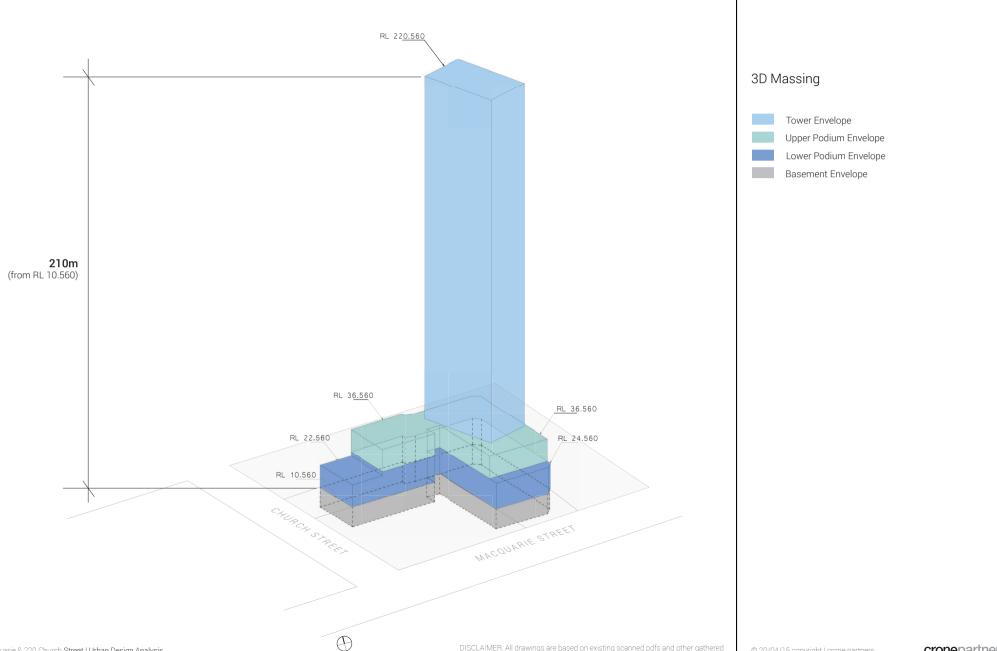


# **BUILDING ENVELOPE DRAWINGS**

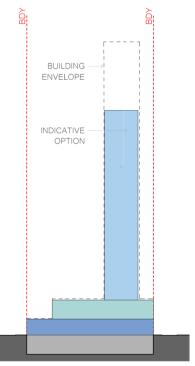




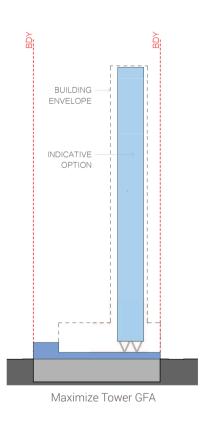
DISCLAIMER: All drawings are based on existing scanned pdfs and other gathered data. All dimensions are indicative only and subject to survey confirmation

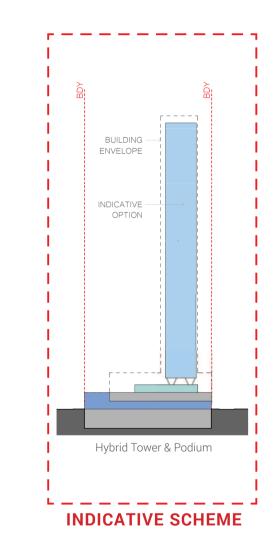


### **BUILDING ENVELOPE DRAWINGS**



Maximize Podium GFA





The indicative scheme aims to show the potential GFA that can be achieved within the proposed envelope.

It has enough flexibility to accommodate a variety of tower and podium proportions to address any future economic, market and social demands as well as buildability issues.

The adjacent diagrams describe some of these; \_

- Maximise podium GFA, with larger floorplate and shorter tower.
- Maximise tower GFA, with taller slender tower and minimal podium
- Hybrid tower and podium, with tall slender tower and medium sized podium

Being an indicative scheme only, the final design and outcome will be subject to a detailed design or competitive design process and subsequently a development approvals process

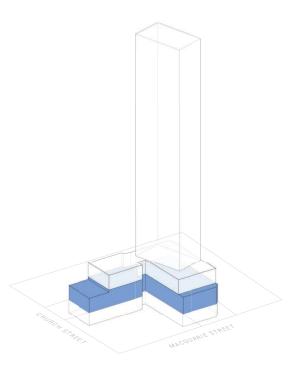
Ground Floor Plan Level 1 Plan Typical Tower Plan Section AA Area Scheldule 3D Montages

-



### Ground Floor Plan

- Maximise exposure to major frontages Encourage retail variety, including large retail and pocket retail.
- Promote through-site links and street activation zones identified in the future vision of Parramatta.
- Reduce the visible impact of service areas, entries / exits.



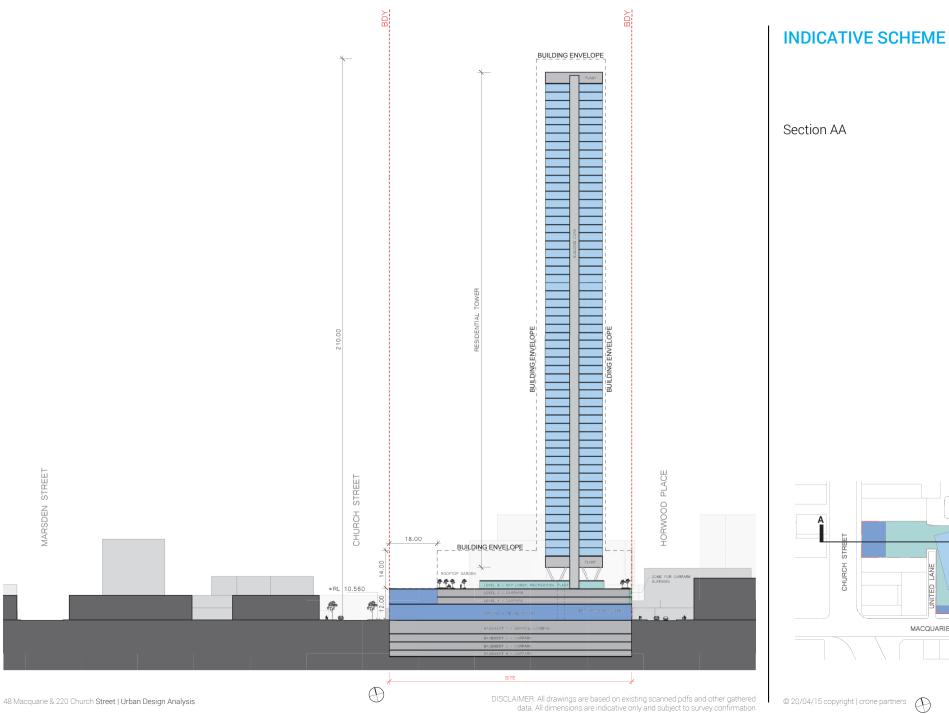
**INDICATIVE SCHEME** HOUISON PLACE 58 2.17M Level 1 Plan 18.00 SITE BOUNDARY 33.62M SERVICE 233 m<sup>2</sup> Maximise exposure to major frontages with activated RETAIL 457 m<sup>2</sup> \_ zones. Sleeve any service or carpark program with articulated façade that reads as one with the entire podium volume. SITE ZONE FOR SLEEVED FACADE INDICATIVE CAR PARK 2.177 m<sup>2</sup> STREET HORWOOD PLACE UNITED LANE SERVICE 214 m<sup>2</sup> CHURCH BUILDING ENVELOPE TO BOUNDARY EXTENTS UNLESS NOTED RETAIL 510 m<sup>2</sup> MACQUARIE STREET



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HOUISON PLACE

PLAC

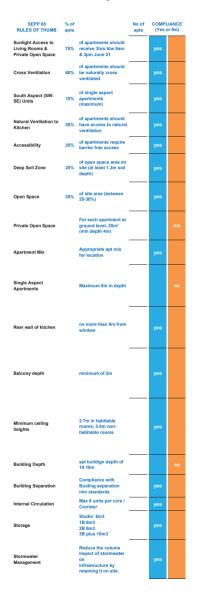
HORWOOD

NITED LANE

MACQUARIE STREET

project 48 Macquar	ie & 220 Church St, P	arramatta		Mixed Use Tower							17.04.2015 - Iss CA32
Level	Use	floor to		GBA	GFA			it Typolo			Cars
		floor height (m)	RL(m)		incl balcony	Studio	1 Bed	2 Bed	3 Bed +	Total	
Roof		=	214.26								
Level 62	Plant	5.00	209.26	777m <sup>2</sup>	070 0	-	-		-	-	
Level 59	Residential	2.10 3.10	207.16 204.06	777m <sup>2</sup> 777m <sup>2</sup>	676m <sup>2</sup> 676m <sup>2</sup>	0	0	4	2	6	
Level 60 Level 59	Residential Residential	3.10	204.06	777m <sup>2</sup>	676m <sup>2</sup>	0	0	4	2	6	
		3.10	197.86	777m <sup>2</sup>	676m <sup>2</sup>			4	2	6	
Level 58 Level 57	Residential Residential	3.10	197.86	777m <sup>2</sup>	676m <sup>2</sup>	0	0	4	2	6	
Level 56	Residential	3.10	191.66	777m <sup>2</sup>	676m <sup>2</sup>	0	0	4	2	6	
Level 55	Residential	3.10	188.56	777m <sup>2</sup>	676m <sup>2</sup>	0	0	4	2	6	
Level 54	Residential	3.10	185.46	777m <sup>2</sup>	676m <sup>2</sup>	0	0	4	2	6	
Level 53	Residential	3.10	182.36	777m <sup>2</sup>	676m <sup>2</sup>	0	0	4	2	6	
Level 52	Residential	3.10	179.26	777m <sup>2</sup>	676m <sup>2</sup>	0	0	4	2	6	
Level 51	Residential	3.10	176.16	777m <sup>2</sup>	676m <sup>2</sup>	0	0	4	2	6	
Level 50	Residential	3.10	173.06	777m <sup>2</sup>	676m <sup>2</sup>	0	2	6	0	8	
Level 49	Residential	3.10	169.96	777m <sup>2</sup>	676m <sup>2</sup>	0	2	6	0	8	
Level 48	Residential	3.10	166.86	777m <sup>2</sup>	676m <sup>2</sup>	0	2	6	0	8	
Level 47	Residential	3.10	163.76	777m <sup>2</sup>	676m <sup>2</sup>	0	2	6	0	8	
Level 46	Residential	3.10	160.66	777m <sup>2</sup>	676m <sup>2</sup>	0	2	6	0	8	
Level 45	Residential	3.10	157.56	777m <sup>2</sup>	676m²	0	2	6	0	8	
Level 44	Residential	3.10	154.46	777m <sup>2</sup>	676m²	0	2	6	0	8	
Level 43	Residential	3.10	151.36	777m <sup>2</sup>	676m²	0	2	6	0	8	
Level 42	Residential	3.10	148.26	777m <sup>2</sup>	676m <sup>2</sup>	0	2	6	0	8	
Level 41	Residential	3.10	145.16	777m <sup>2</sup>	676m <sup>2</sup>	0	2	6	0	8	
Level 40	Residential	3.10	142.06	777m <sup>2</sup>	676m <sup>2</sup>	0	2	6	0	8	
Level 39	Residential	3.10	138.96	777m <sup>2</sup>	676m <sup>2</sup>	0	2	6	0	8	
Level 38	Residential	3.10	135.86	777m <sup>2</sup>	676m <sup>2</sup>	0	2	6	0	8	
Level 37	Residential	3.10	132.76	777m <sup>2</sup>	676m <sup>2</sup>	0	2	6	0	8	
Level 36	Residential	3.10	129.66	777m <sup>2</sup>	676m <sup>2</sup>	0	2	6	0	8	
Level 35	Residential	3.10 3.10	126.56 123.46	777m <sup>2</sup> 777m <sup>2</sup>	676m <sup>2</sup> 676m <sup>2</sup>	0	2	6	0	8	
Level 34 Level 33	Residential Plant	5.00	123.46	777m <sup>2</sup>	07011-	0	2	0	0	0	
Level 32	Residential	3.10	115.36	777m <sup>2</sup>	676m²	0	2	6	0	8	
Level 31	Residential	3.10	112.26	777m <sup>2</sup>	676m <sup>2</sup>	0	2	6	0	8	
Level 30	Residential	3.10	109.16	777m <sup>2</sup>	676m <sup>2</sup>	0	2	6	0	8	
Level 29	Residential	3.10	106.06	777m <sup>2</sup>	676m <sup>2</sup>	0	2	6	0	8	
Level 28	Residential	3.10	102.96	777m <sup>2</sup>	676m <sup>2</sup>	0	2	6	0	8	
Level 27	Residential	3.10	99.86	777m <sup>2</sup>	676m²	0	2	6	0	8	
Level 26	Residential	3.10	96.76	777m <sup>2</sup>	676m <sup>2</sup>	0	2	6	0	8	
Level 25	Residential	3.10	93.66	777m <sup>2</sup>	676m <sup>2</sup>	0	2	6	0	8	
Level 24	Residential	3.10	90.56	777m <sup>2</sup>	676m <sup>2</sup>	0	2	6	0	8	
Level 23	Residential	3.10	87.46	777m <sup>2</sup>	676m <sup>2</sup>	0	2	6	0	8	
Level 22	Residential	3.10	84.36	777m <sup>2</sup>	676m <sup>2</sup>	0	2	6	0	8	
Level 21	Residential	3.10	81.26	777m <sup>2</sup>	676m <sup>2</sup>	0	2	6	0	8	
Level 20	Residential	3.10	78.16	777m <sup>2</sup>	676m <sup>2</sup>	0	2	6	0	8	
Level 19	Residential	3.10	75.06	777m <sup>2</sup>	676m <sup>2</sup>	0	2	6	0	8	
Level 18	Residential	3.10	71.96	777m <sup>2</sup>	676m <sup>2</sup>	1	4	4	0	9	
Level 17	Residential	3.10	68.86	777m <sup>2</sup>	676m <sup>2</sup>	1	4	4	0	9	
Level 16	Residential	3.10	65.76	777m <sup>2</sup>	676m <sup>2</sup>	1	4	4	0	9	
Level 15	Residential	3.10	62.66	777m <sup>2</sup>	676m <sup>2</sup>	1	4	4	0	9	
Level 14	Residential	3.10	59.56	777m <sup>2</sup>	676m <sup>2</sup>	1	4	4	0	9	<u> </u>
Level 13	Residential	3.10 3.10	56.46 53.36	777m <sup>2</sup>	676m <sup>2</sup>	1	4	4	0	9	
Level 12 Level 11	Residential Residential	3.10	53.36 50.26	777m <sup>2</sup> 777m <sup>2</sup>	676m <sup>2</sup> 676m <sup>2</sup>	1	4	4	0	9	
Level 11 Level 10	Residential	3.10	47.16	777m <sup>2</sup>	676m <sup>2</sup>	1	4	4	0	9	
Level 9	Residential	3.10	47.16	777m <sup>2</sup>	676m <sup>2</sup>	1	4	4	0	9	
Level 8	Residential	3.10	44.06	777m <sup>2</sup>	676m <sup>2</sup>	1	4	4	0	9	
Level 7	Residential	3.10	37.86	777m <sup>2</sup>	676m <sup>2</sup>	1	4	4	0	9	
Level 6	Residential	3.10	34.76	777m <sup>2</sup>	676m <sup>2</sup>	1	4	4	0	9	
Level 5	Residential	3.10	31.66	777m <sup>2</sup>	676m <sup>2</sup>	1	4	4	0	9	
Level 4	Residential	3.10	28.56	777m <sup>2</sup>	676m²	1	4	4	0	9	
Level 3	Sky Lobby / Recreation	6.00	22.56	2,695m <sup>2</sup>	800m <sup>2</sup>	· ·			l Č	- Ĩ	
Level 2	Carpark	3.00	19.56	3,458m <sup>2</sup>			1		1		61
Level 1	Retail / Carpark	6.00	16.56	3,458m <sup>2</sup>	500m <sup>2</sup>		1		1	1	61
Ground	Retail	6.00	10.56	3,458m <sup>2</sup>	3,200m <sup>2</sup>		1		1		
Basement 1	Plant / Loading / Carpark	5.00	5.56	3,458m <sup>2</sup>			1		1		77
Basement 2	Carpark	3.10	2.46	3,458m <sup>2</sup>							93
Basement 3	Carpark	2.10	3.46	3,457m <sup>2</sup>							93
Basement 4	Carpark	3.10	-0.64	3,458m <sup>2</sup>							93
Total				72,743m <sup>2</sup>	42,356m <sup>2</sup>	15	122	286	20	443	480
				GBA	GFA	3%	28%	65%	5%		

SEPP 65 - Residential Flat Design Code



# **INDICATIVE SCHEME**

Area & SEPP65 Tables

General Notes:-

- GBA - Gross Building Area - Total Building Area

- GFA - Gross Floor Area - As per PC Council Definition - NLA - Net Lettable Area - As per PCA method of measurement

- NSA - Net Saleable Area - As per PCA method of measurement

- All areas and numbers are based on concept drawings and are subject to final design and survey



Montage

View from Parramatta Square looking North-East

# cronepartners

# **INDICATIVE SCHEME**

Montage

View from Church Street

Montage View from Macquarie Street

