PROOF OF CONCEPT

9.0 COMPARISON TO EXISTING

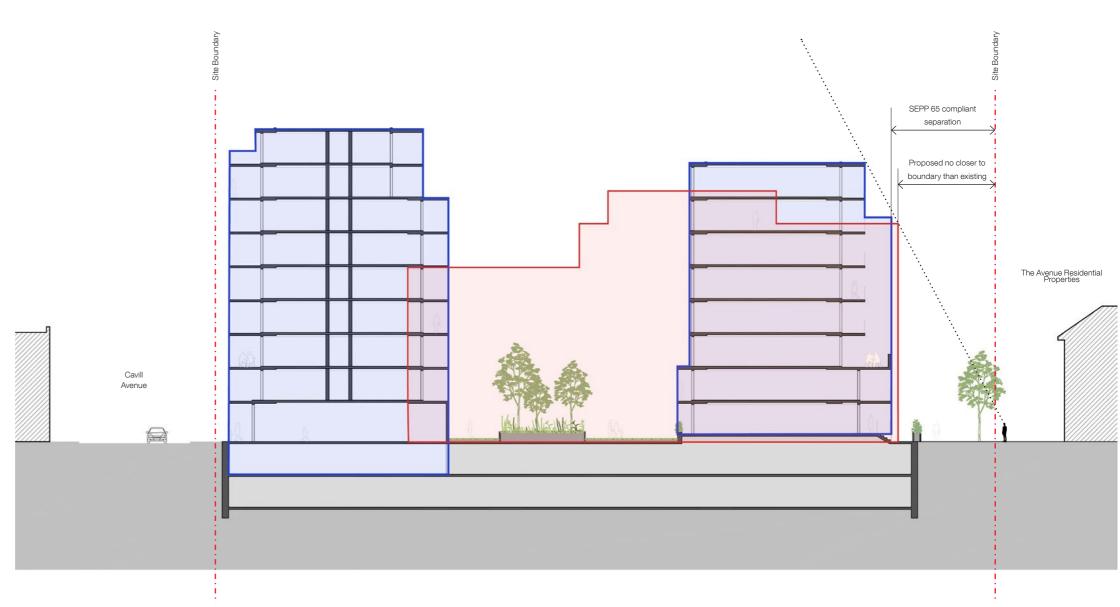
Existing 2 Cavill Avenue Commercial Building(s)

Proposed Mix Use Building

In regard to the massing of the built form, the relationship to the existing residential properties on the western side of The Avenue is of key importance.

The proposed building separation with the boundary in question is in keeping with the principals of SEPP 65 and is of greater distance away from the property line as the current building. Due to the set backs at the upper levels, the building only has marginal impact on solar access on the neighbouring properties early in the morning. Please refer to the later Solar Access studies for more detailed information.





PROOF OF CONCEPT

10.0 LIVERPOOL ROAD FRONTAGE

Building A's frontage onto Liverpool Road is of key importance in defining the western gateway of Ashfield's Town Centre.

The proposed curvaceous form of the building follows the curvature of the road within the body of the main elevation whilst at the perceived ground floor(s) of the building, commercial premises imitate the existing 2 - 2.5 storey units to the east and west. Similarly, a canopy will continue and complete the existing 1 - 1.5 storey datum along Liverpool Road. 2 storey residential townhouse across the ground plane of the site will also help to reduce the perceived street wall of the flanking facades.

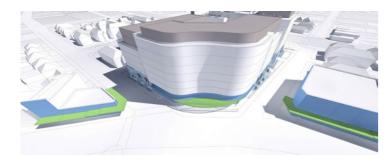
At the upper levels, the built form is set back to reduce the scale of the facade and provide private amenity space for the associated residential units.

1 - 1.5 storey retail canopy

2 - 2.5 storey commercial plinth

2 storey residential townhouses

Top storey residences





PROOF OF CONCEPT

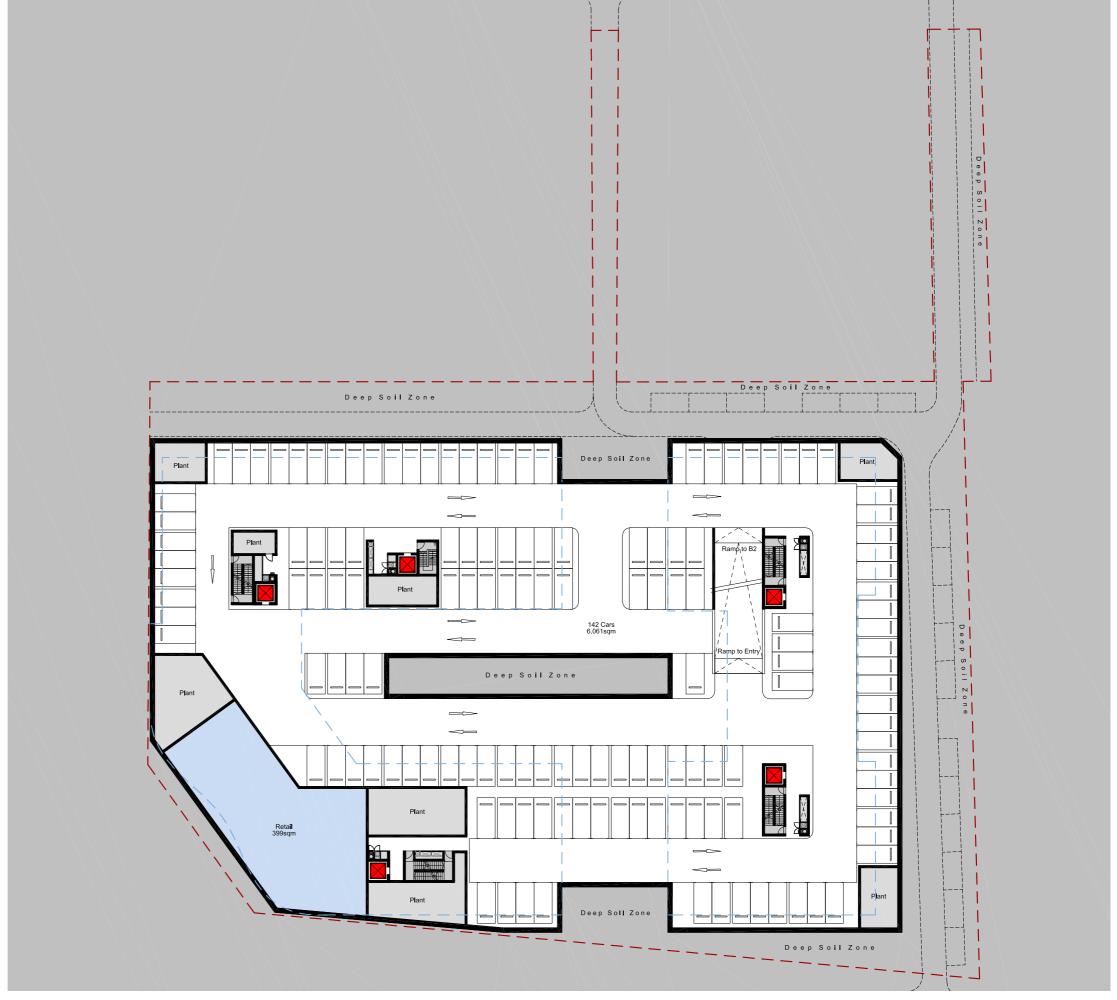
11.0 BO2 BASEMENT PLAN





PROOF OF CONCEPT

BO1 BASEMENT PLAN

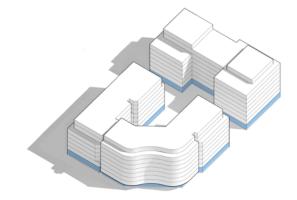




PROOF OF CONCEPT

SITE PLAN









PROOF OF CONCEPT









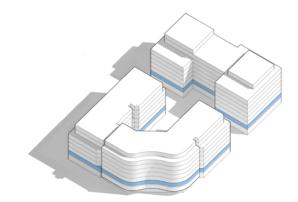


Example Precedent Images

PROOF OF CONCEPT

LEVEL 01 PLAN

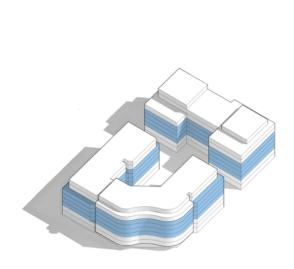






PROOF OF CONCEPT

LEVELS 02 - 05 PLAN



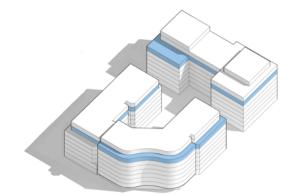




PROOF OF CONCEPT

LEVEL OG PLAN





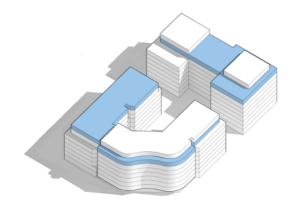




PROOF OF CONCEPT

LEVEL O7 PLAN



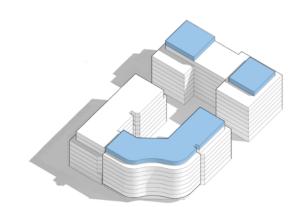




PROOF OF CONCEPT

LEVEL 08 PLAN









PROOF OF CONCEPT

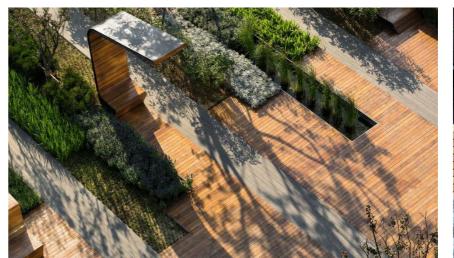




Example Precedent Images



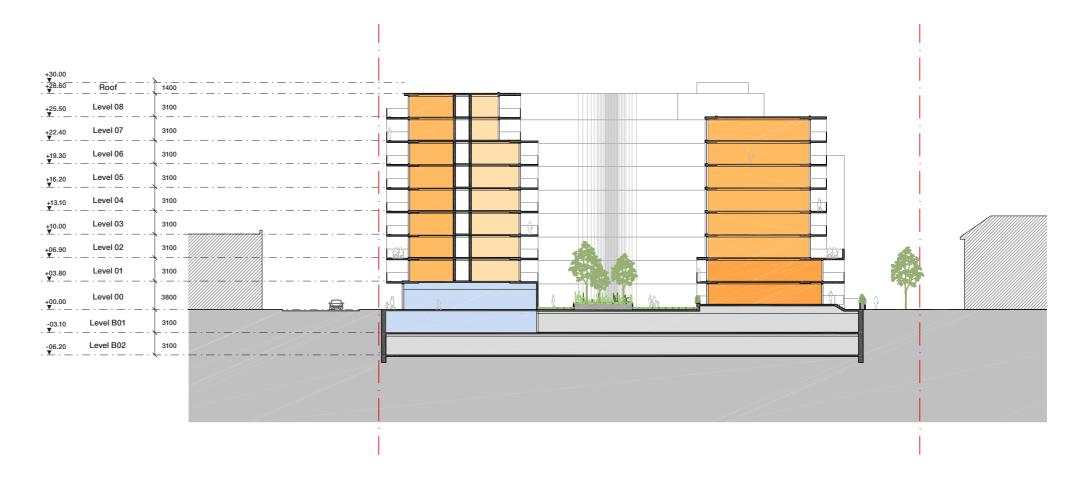


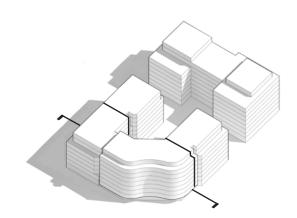




PROOF OF CONCEPT

SITE SECTION A

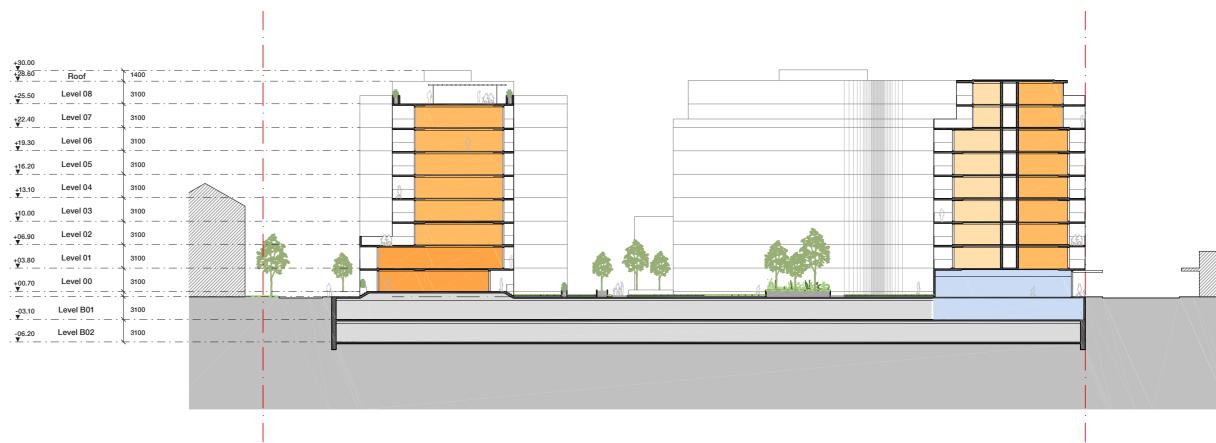


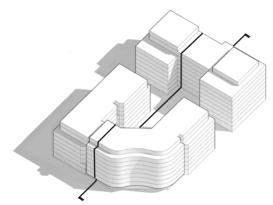




PROOF OF CONCEPT

SITE SECTION B

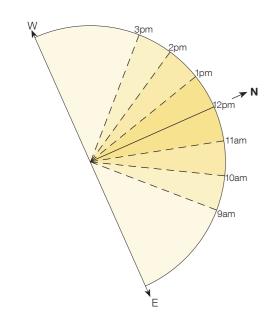






PROOF OF CONCEPT

12.0 SOLAR ACCESS / CROSS VENT PERFORMANCE



Typical Floor Study

Solar Access - 28 / 39 apartments = 72%

Cross Ventilation - 24 / 39 apartments = 62%

Measured at mid winter (21st June)







PROOF OF CONCEPT

13.0 AREA SCHEDULE



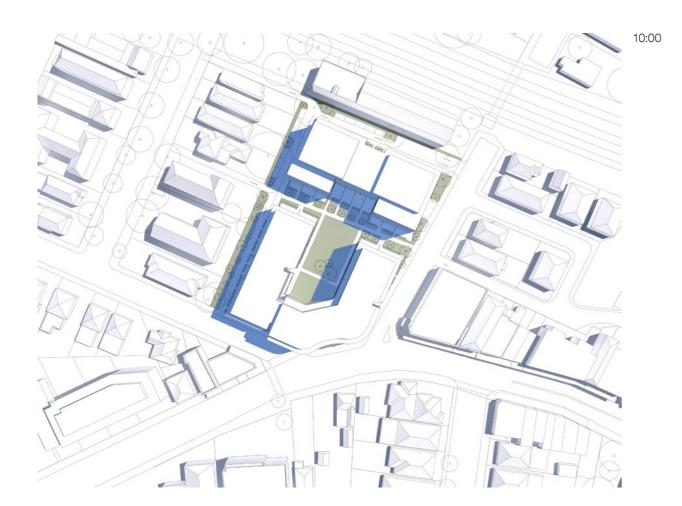
Summary - Areas			Summary - Car Par	king			Summary - l	Jnit Mix					Notes							
Site Area	8,421 m²	2	Refer to separate Tr	affic and Par	rking Impact Ass	essment	Туре	Target Area		No.	Mix	Target Mix	GEA = Gross Env	elope Area						
	-,		Report by others	amo ana r a	ining impact 7 too	COCITION	Studio	35 n	1 ²	2	1%	_	Complete planning		llows for articula	ation. Otherwise	defined as Max	imum Permis	sable Envelope	
Building A - GEA	19,706 m ²		.,,				1 Bed	50 n		99	35%	TBC	' '	•						
Building B - GEA	13,939 m²						1 Bed Flexi	56 n		14	5%		GBA = Gross Buil	t Area						
Fotal - GEA	33,645 m ²						2 Bed 1 Bath	70 n		18	6%		Measured from the		the external wall	ls / alazina etc. ii	ncluding halco	nies		
	0.75						2 Bed 1 Bath			54			INICASAICA IIOIII IIIC	outside lace of	tric external wan	is / glazing ctc. ii	icidali ig balcoi	1103		
GFA Efficiency Ratio	0.75							75 n			19%	TBC		_						
							2 Bed Flexi	80 n		64	22%		GFA = Gross Floo							
Building A - GFA	15,529 m ²						3 Bed	95 n	1²	2	1%		Measured in accord	dance with the s	tandard instrume	ent definition				
Building B - GFA	9,734 m ²	2					Terrace (3 B)	130 n	1 ²	32	11%	TBC								
Γotal - GFA	25,263 m ²	2											NSA = Net Salea	ible / Lettable	Area					
Γarget - GFA	25,263 m ²	2					Total			285	100%	100%	The sum of the inte	rnal apartments	and / or retail te	enancies - meası	ured to the insi	de face of ext	ernal and party v	walls
	- m²	2																		
Basement B01 - GEA	6,220 m ²	2																		
Basement B02 - GEA	6,220 m ²																			
Total Basement - GEA	12,440 m ²																			
I Otal Basement - GLA	12,440 111																			
FSR	3.00 :1																			
Building A			Envelope				Res	i Retail	Total										Solar	Cross-
Level	Use	Height	Efficiency	GEA	GBA	GFA	NSA	GLAR	NSA	Units	Studio	1B		2B1B	2B2B	2BF	3B	Terrace	Access	Ventilatio
		m		m²	m²	m²	m ²	² m ²	m²		No.	No.	No.	No.	No.	No.	No.	No.	No.	
Roof		1.40																		
evel 8	Residential	3.10	79%	1,021	1,021	805	700			9	0	3	0	2	0	2	2	0	9	
evel 7	Residential	3.10	81%	1,973	1,921	1,596	1,450			19	0	2	4	2	6	5	0	0	15	
evel 6	Residential	3.10	l l	2,180	2,121	1,749	1,650			22	0	7	2	2	6	5	0	0	15	
evel 5	Residential	3.10	77%	2,422	2,295	1,853	1,750			23	0	7	2	2	6	6	0	0	16	
	Residential			,			1,750			23	0	7	2	2	6	6	0	0	16	
evel 4		3.10		2,422	2,295	1,853					0	7	2		0	0		0		
Level 3	Residential	3.10		2,422	2,295	1,853	1,750			23	ŭ	•	2	2	6	6	0	0	16	
_evel 2	Residential	3.10	77%	2,422	2,295	1,853	1,750			23	0	7	2	2	6	6	0	0	16	
Level 1	Resi dential	3.10		2,422	2,295	1,807	1,700			9	1	1	0	0	3	4	0	0	5	
Ground Floor	Resi / Comm.	3.80	73%	2,422	2,017	1,761	900	687		15	0	0	0	0	0	0	0	15	11	
Basement B1	Commercial					399		399												
Total		30.00	78.8%	19,706	18,555 94%	15,529 84%	13,400	1,086	14,486 93%	166	1%	41 25%		14 8%	23%	24%	2 1%	15 9%	119 72%	1 60
					of GEA	of GBA			of GFA											
Building B			Envelope				Res		Total										Solar	Cross-
Level	Use	Height		GEA	GBA	GFA	NSA	GLAR GLAR	NSA	Units	Studio	1B	1BF	2B1B	2B2B	2BF	3B	Terrace	Access	Ventilatio
		m		m²	m²	m²	m ²	² m ²	m²		No.	No.	No.	No.	No.	No.	No.	No.	No.	l
Roof		1.40																		
evel 8	Residential	3.10	59%	994	744	591	850			7	0	0	0	4	2	1	0	0	7	
evel 7	Residential	3.10		1,325	1,283	1,042	900			14	0	8	0	0	3	3	0	0	10	
evel 6	Residential	3.10	l l	1,660	1,472	1,165	1,000			16	0	10	0	0	2	4	0	0	12	
evel 5	Residential	3.10		1,660	1,472	1,165	1,000	1		16	0	10		0	2	4	0	0	12	
evel 4	Residential	3.10		1,660	1,472	1,165	1,000	1		16	0	10		0	2	1	0	0	12	
										10	0			0	2	4	0	0	12	
evel 3	Residential	3.10		1,660	1,472	1,165	1,000			16		10				4	_	0		
_evel 2	Residential	3.10		1,660	1,472	1,165	1,000			16	0	10		0	2	4	0	0	12	
evel 1	Residential	3.10		1,660	1,506	1,206	1,200			1	1	0		0	0	0	0	0	1	
Ground Floor	Residential	3.80		1,660	1,264	1,070	950			17	0	0		0	0	0	0	17	11	
otal		30.00	69.8%	13,939	12,157	9,734		0	8,900	119	1	58	0	4	15	24	0	17	89	
					87% of GEA	80% of GBA			91% of GFA		1%	49%	0%	3%	13%	20%	0%	14%	75%	6
					JI OLA	JI JUA	•													
Total			Envelope Efficiency	GEA	GBA	GFA	Res NSA		Total NSA	Total Units	Studio	1B	1BF	2B1B	2B2B	2BF	3B	Terrace	Solar Access	Cross- Ventilatio
			75.1%	33,645	30,712	25,263			23,386	285	2	99		18	54	64	2	32	208	1
					91%	82%			93%											
					of GEA	of GBA			of GFA		1%	35%	5%	6%	19%	22%	1%	11%	73.0%	61.1
	TARGET A	AREAS:		GEA		GFA														
				33,684		25,263				0%	0%	0%	0%	0%	0%	0%	0%	0%	70%	60

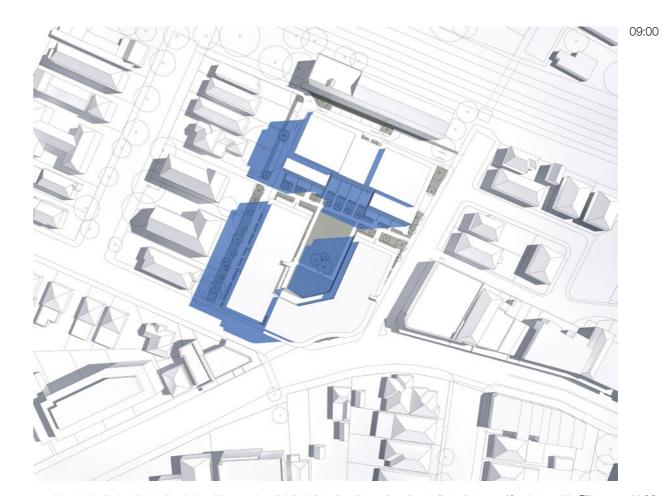
PROOF OF CONCEPT

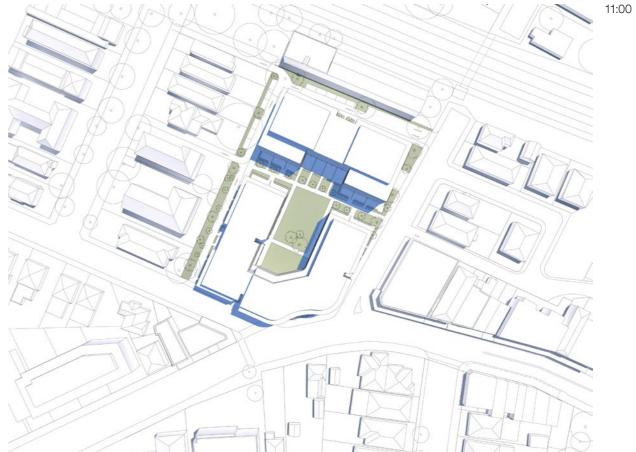
14.0 SHADOW ANALYSIS

Shadow Impact Analysis - Mid-Summer - 21st December

The following diagrams demonstrate the impact of the proposed design on the local context at mid summer - representing when the sun is highest in the sky and therefore the 'best case' scenario for solar access.

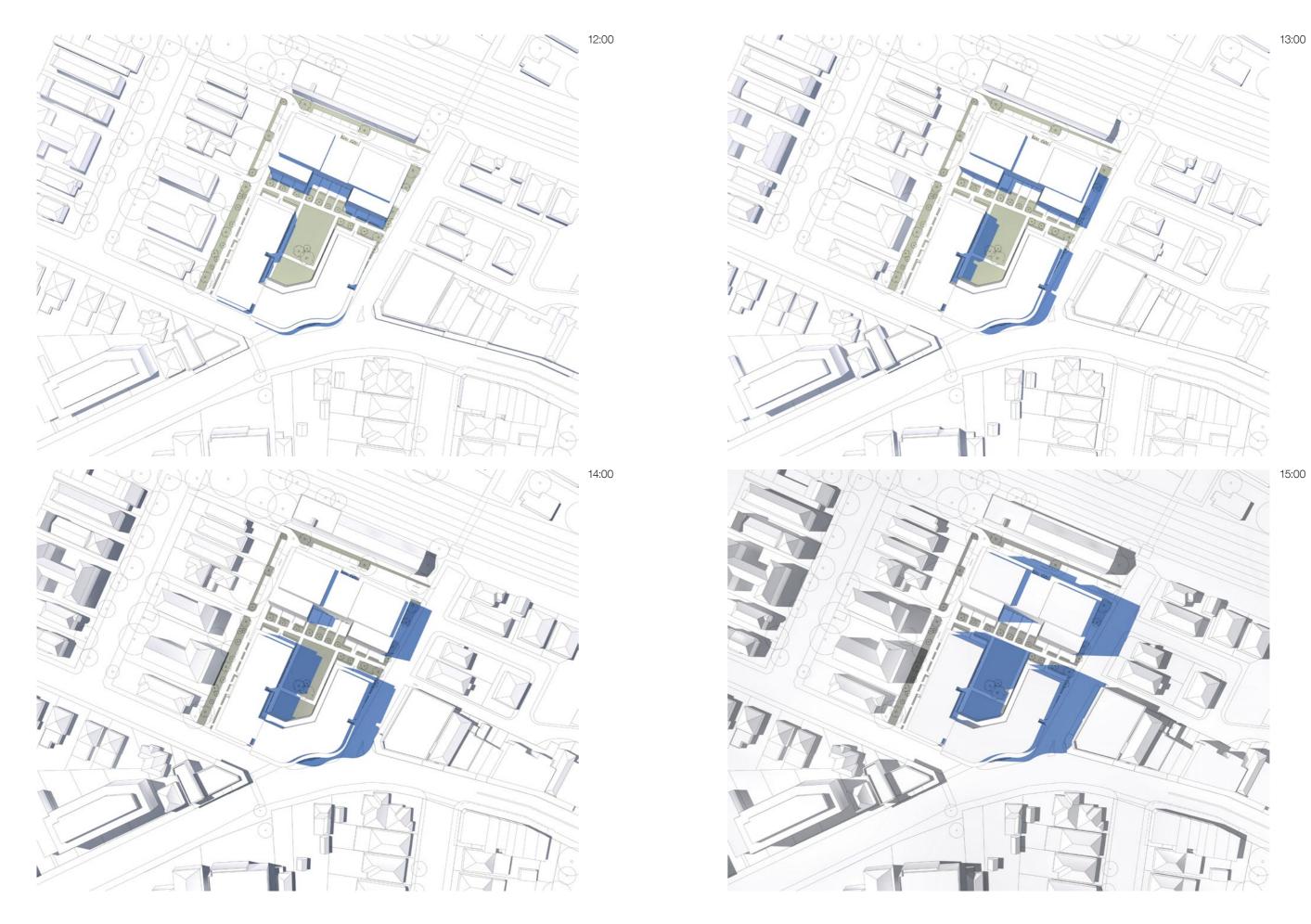






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PROOF OF CONCEPT



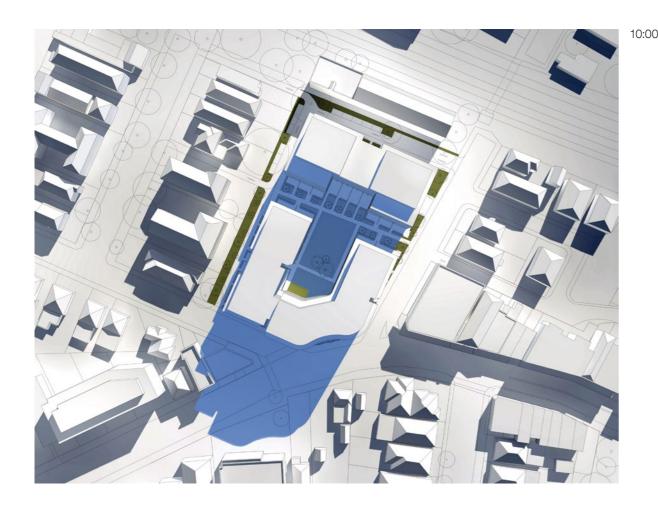
BATESSMART.

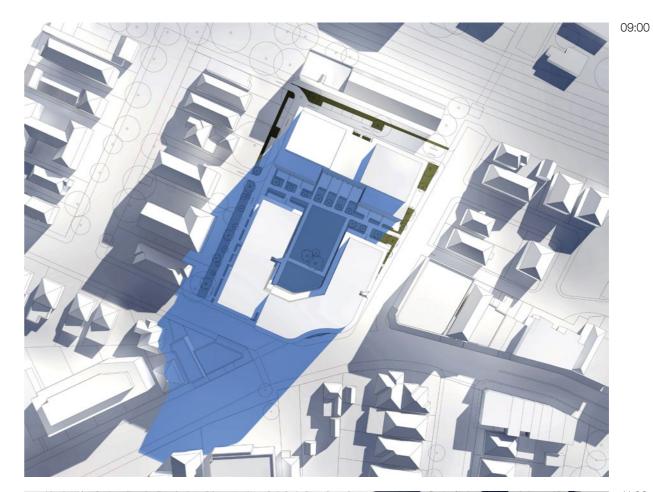
PROOF OF CONCEPT

SHADOW ANALYSIS

Shadow Impact Analysis - Mid-Winter - 21st June

The following diagrams demonstrate the impact of the proposed design on the local context at mid winter - representing when the sun is lowest in the sky and therefore the 'worst case' scenario for solar access.



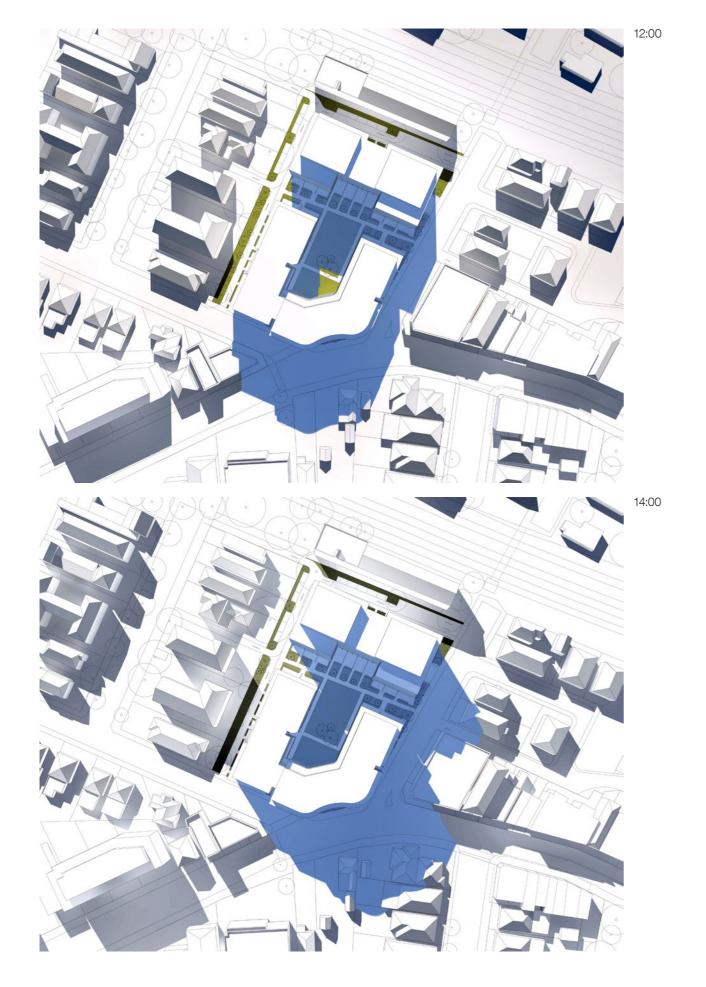


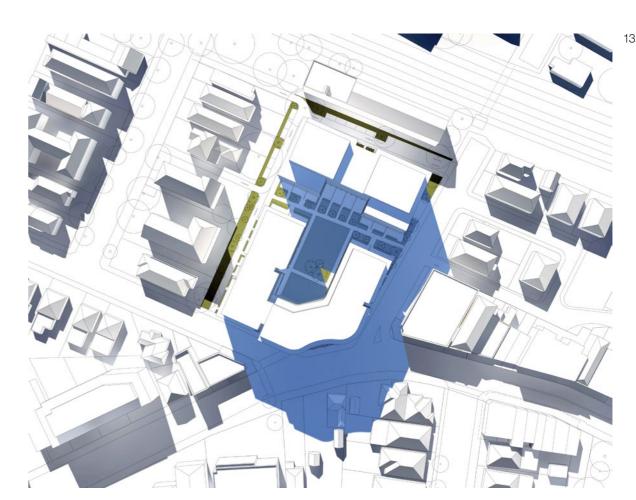


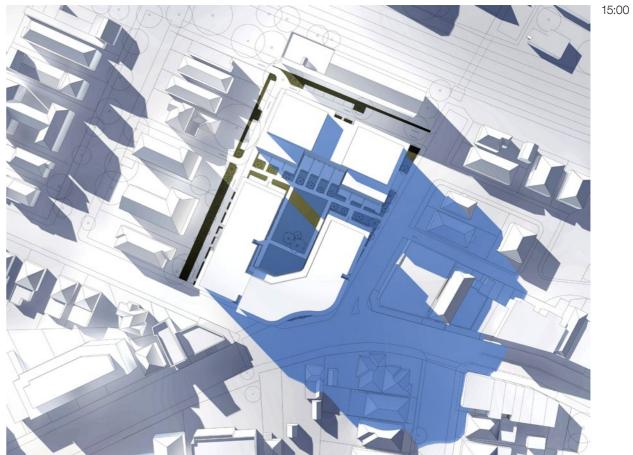
11:00

BATESSMART,

PROOF OF CONCEPT







BATESSMART.

PROOF OF CONCEPT

15.0 Appendices

Appendix 01 - Previous Design Studies

47

PROOF OF CONCEPT

PROOF OF CONCEPT

APPENDIX 01 PREVIOUS DESIGN STUDY 01

FSR - 3.25:1 Maximum Height - 67 metres

This design concept option responded to the scale of the adjacent existing buildings and connections while increasing the built density to take maximise the advantages of the close proximity to the Ashfield station and location within the designated Town Centre.



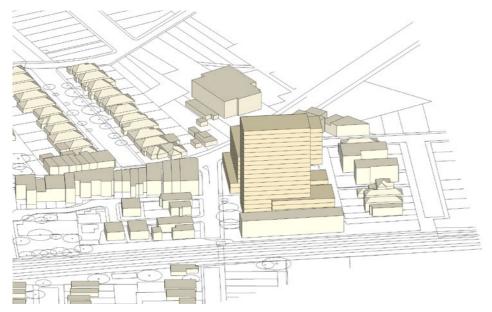




PROOF OF CONCEPT

VIEWS FROM THE SUN

The location and height of the proposed buildings gives consideration to maintaining solar access to both the proposed and existing buildings. The proposed tower element does not overshadow the heritage conservation area to the south.

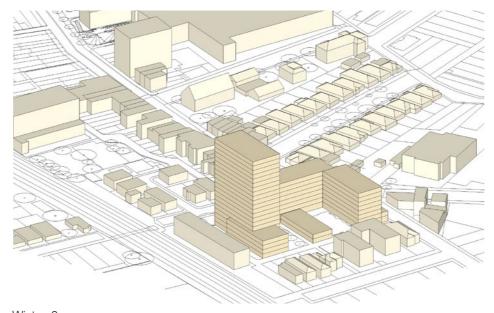


Winter 10am

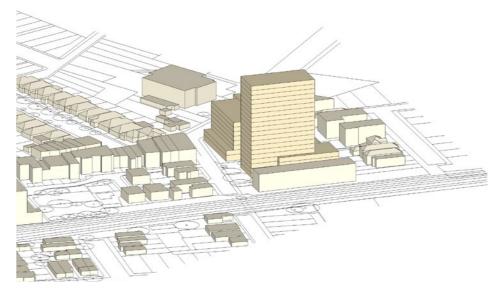




Winter 11am







Winter 9am



Winter 12am



Winter 3 pm

PROOF OF CONCEPT

APPENDIX 01 PREVIOUS DESIGN STUDY 02

FSR - 3.00:1 Maximum Height - 29 metres

BLD A

Total

TOTAL

Level	No	GBE	GFA
Ground	1	1758	1352
Levels 1 to 7	6	10548	8111
Level 8	1	1423	1094
Total	8	13729	10558
BLD B			
Level	No	GBE	GFA
Ground	1	884	680
Levels 1 to 8	7	6188	4759
Total	8	7072	5438
BLD C			
Level	No	GBE	GFA
Ground	1	1344	1034
Levels 1 to 9	8	10752	8268

NOTE/ PAGE 29, SECTION 2B APARTMENT DESIGN GUIDE

9302

25298

8421

3.00

12096

32897

Site Area

FSR

Gross Building Envelope (GBE) is 30% greater than the achievable floor space area to allow for building components that do not count as GFA but contribute to building design and articulation such as balconies, lifts, stairs and open circulation space





PROOF OF CONCEPT

MASSING STUDY

