SOLAR ACCESS SUMMARY

Summary

Buildings have been arranged to maximise opportunities for solar access to comply with the minimum requirements set out in the Apartment Design Guide.

Compliance has been assessed on a building by building and lot by lot basis.

2 hours sun 74%No sun 7%

Sub Totals	Units	Solar	%	No sun	%
Core Precinct	2,151	1,625	76%	96	4%
Stage 1a (C9)	449	314	70%	32	7%
North Precinct	1,155	858	74%	114	10%
East Precinct	214	161	75%	-	0%
South Precinct	685	520	76%	83	12%
	Units	Solar	%	No sun	%
Grand Total	4,654	3,478	74.7%	325	7.0%

Core

		2 hours Sun		N	o Sun
Lot	Units	%	Lot Totals	%	Lot Totals
C1.0					
C1.1	194	90.2%	75.9%	8.2%	3.9%
C1.2	216	63.0%		0.0%	
C2.0					
C2.1a	84	77.4%	93.0%	20.2%	6.2%
C2.1b	189	100.0%		0.0%	
C2.2a	145	86.9%	83.2%	0.0%	0.0%
C2.2b	81	76.5%		0.0%	
C3.0					
C3.1	125	90.4%		10.4%	
C4.0					
C4.1	97				
C4.2	96	100.0%		0.0%	
C5.1a	71	60.6%		25.4%	
C5.1b	110	77.3%	72.1%	7.3%	11.7%
C5.1c	41	78.0%		0.0%	
C6.1a	57	47.4%		0.0%	
C6.1b	161	83.9%	72.2%	3.7%	8.2%
C6.1c	73	65.8%		24.7%	
C6.2a	72	50.0%	70.5%	0.0%	0.0%
C6.2b	77	87.0%		0.0%	
C7.1	73	69.9%	72.0%	0.0%	0.0%
C7.2	70	74.3%		0.0%	
C8.1a	47	38.3%		0.0%	
C8.1b	72	93.1%	71.4%	0.0%	0.0%

North Precinct

		2 hours Sun		N	o Sun
Lot	Units	%	Lot Totals	%	Lot Totals
N1	82	80.5%		12.2%	
N2	47	80.9%		12.8%	
N3	163	71.8%		13.5%	
N4	54	70.4%		0.0%	
N5	142	73.9%		12.7%	
N6.1	125	69.6%	69.7%	6.4%	4.8%
N6.2	40	70.0%		0.0%	
N7.1	111	73.0%		0.0%	
N7.2	100	70.0%	71.8%	16.0%	7.4%
N7.3	5	80.0%		0.0%	
N8	101	73.3%		12.9%	
N9.1a	44	79.5%	76.5%	18.2%	11.9%
N9.1b	47	78.7%		17.0%	
N9.2	51	78.4%		0.0%	
N10	43	88.4%		11.6%	

South Precinct

		2 hours Sun		N	o Sun
Lot	Units	%	Lot Totals	%	Lot Totals
S1	76	82.9%		7.9%	
S2	97	70.1%		15.5%	
S3	85	72.9%		14.1%	
S4	87	78.2%		10.3%	
S5	104	72.1%		7.7%	
S6	52	71.2%		13.5%	
S7a	45	84.4%	84.6%	4.4%	12.1%
S7b	46	84.8%	04.0%	19.6%	12.170
S8	93	75.3%	,	16.1%	

East Precinct

		2 hours Sun		No Sun		o Sun
Lot	Units	%	Lot Totals		%	Lot Totals
E1	158	75.3%		-	0.0%	
E2	56	75.0%		-	0.0%	_

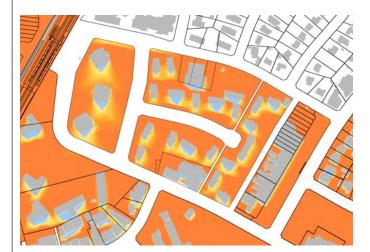
SOLAR ACCESS: CORE PUBLIC DOMAIN

Winter Solstice - June 21

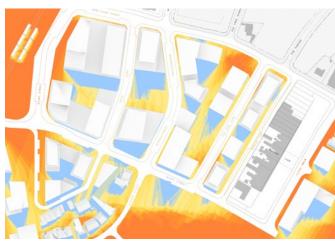
9am - 3pm



1 Hour



Existing



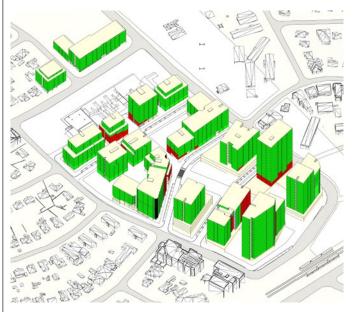
Envelopes

Indicative Design Scheme

SOLAR ACCESS: CORE RESIDENTIAL

Winter Solstice - June 21

Greater than 2 hours of consective solar access Less than than 2 hours of consective solar access





North **East**



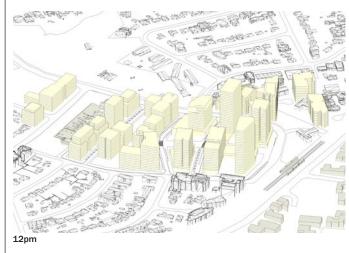


Views From the Sun

Core Precinct













Stage 1 SSDA - Response To Submissions 4 (December 2023) Appendix - Solar Access and Shadow Analysis

11am

SOLAR ACCESS: CORE SHADOW DIAGRAMS

Winter Solstice - June 21

Shadow Cast by Existing Building

Shadow Cast by Indicative Design Scheme

Shadow Cast by Proposed Envelope

Indicative Design Scheme Building Massing

LEP Height Plane





9am



10am



12pm





1pm



3pm

2pm

SOLAR ACCESS: NORTH RESIDENTIAL

Winter Solstice - June 21

Greater than 2 hours of consecutive solar access

Less than 2 hours of consecutive solar access





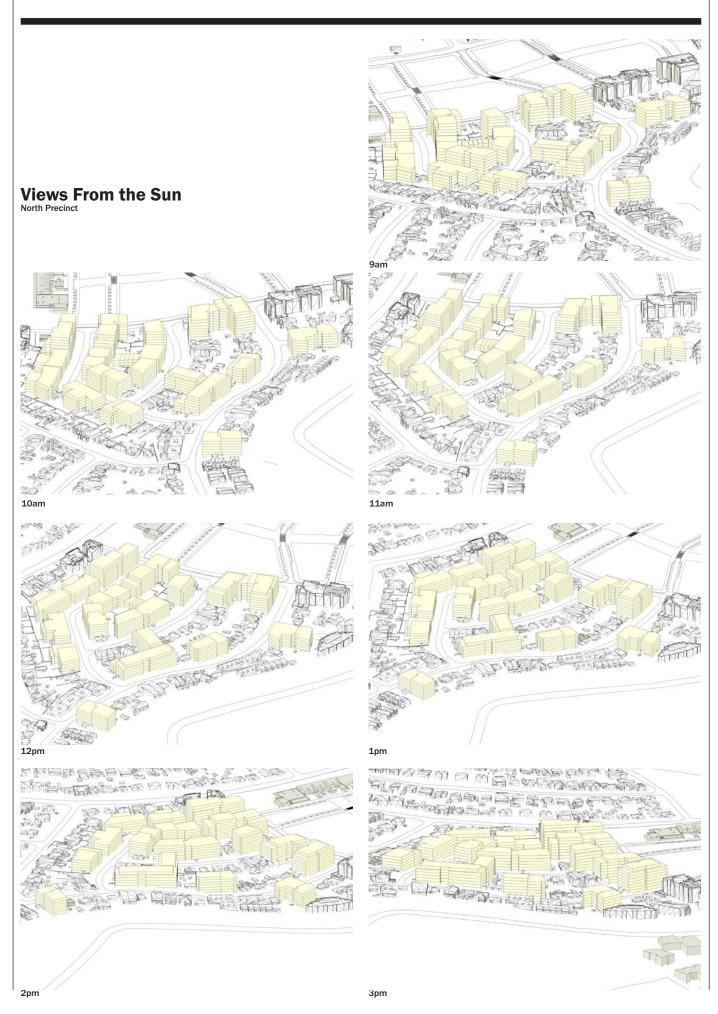
North East





West

Hassell © BatesSmart



Stage 1 SSDA - Response To Submissions 4 (December 2023) Appendix - Solar Access and Shadow Analysis

SOLAR ACCESS: NORTH SHADOW DIAGRAMS

Winter Solstice - June 21

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Shadow Cast by Existing Building

Shadow Cast by Indicative Design Scheme

Shadow Cast by Proposed Envelope

Indicative Design Scheme Building Massing





9am



10am



11am

12pm





1pm 2pm



SOLAR ACCESS: NORTH PUBLIC DOMAIN

Winter Solstice - June 21

9am - 3pm



1 Hour



Existing



Envelopes

Indicative Design Scheme

SOLAR ACCESS: SOUTH PUBLIC DOMAIN

Winter Solstice - June 21

9am - 3pm



2 Hours 1 Hour



Existing





Envelopes

Indicative Design Scheme

SOLAR ACCESS: SOUTH RESIDENTIAL

Winter Solstice - June 21

Greater than 2 hours of consective solar access

Less than than 2 hours of consective solar access



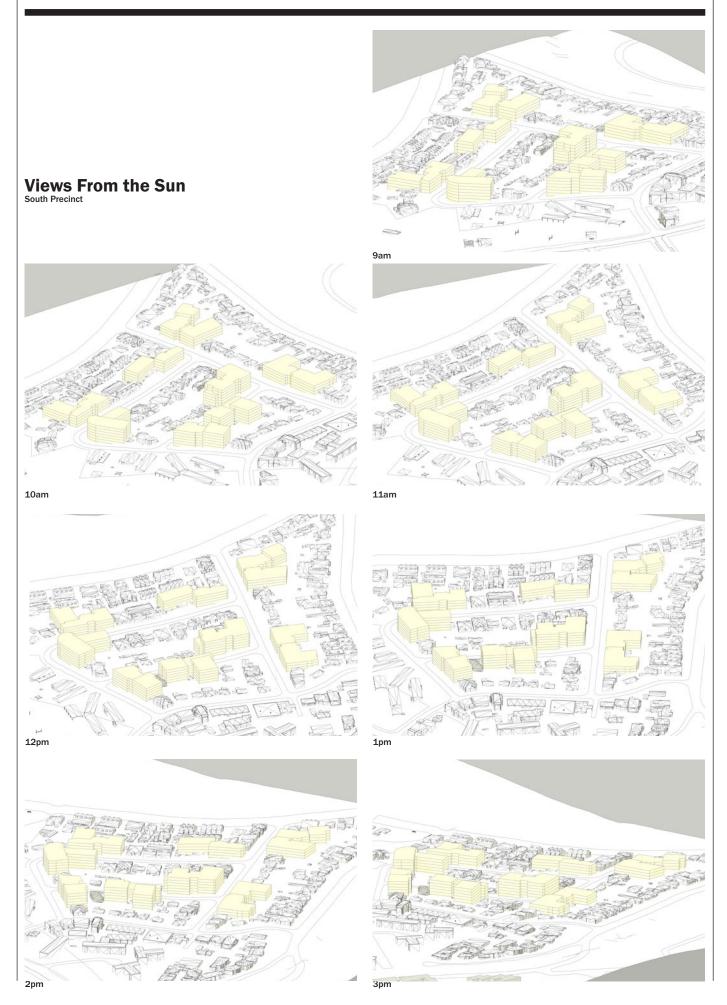






West

Hassell © BatesSmart



Stage 1 SSDA - Response To Submissions 4 (December 2023) Appendix - Solar Access and Shadow Analysis

SOLAR ACCESS: SOUTH SHADOW DIAGRAMS

Winter Solstice - June 21

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Shadow Cast by Existing Building

Shadow Cast by Indicative Design Scheme

Shadow Cast by Proposed Envelope

Indicative Design Scheme Building Massing



9am 10am



11am 12pm



1pm 2pm

