



CROSS VENTILATION - GROUND

SSPP (Sydney South) Business Paper Appendices (23 May 2017) (2016/05/17) DA16/0388

NOTE:
THE CURRENT APARTMENT MIX SHOWN IS ONLY INDICATIVE AND DEMONSTRATE ITS ABILITY FOR ADG COMPLIANCE.
A FINAL ASSESSMENT OF UNIT NUMBERS, APARTMENT MIX, APARTMENT TYPES AND SIZES, WILL BE DETAILLED AND DEMONSTRATE COMPLIANCE OF THE ADG AT THE SUBSEQUENT STAGES OF THE DEVELOPMENT

ISSUE	DATE	DESCRIPTION
E	31/03/2017	REVISED MASTERPLAN
D	09/02/2017	REVISED MASTERPLAN
C	11/01/2017	REVISED MASTERPLAN
B	29/09/2016	COUNCIL AMENDMENTS
A	04/04/2016	DA LODGEMENT



HIGHFIELD			
CLIENT	Caringbah NSW Pty Ltd	DATE	29/09/2016
PROJECT	113 Willarong Road CARINGBAH 2229	SCALE	A3 1:1000
TITLE	CROSS VENTILATION - GROUND	DRAWN	PV
		CHECKED	NN
		DWG No	DA16/0388
			601
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LOCATION OF BOWLING
GREEN POTENTIALLY ABOVE
BASEMENT CAR PARK

298-300
DA APPROVED ARH-RFB
WITH 2 FLOORS OF
BASEMENT PARKING

302A

304
DA
APPROVED
ARH-RFB
WITH 2
FLOORS OF
BASEMENT
PARKING

306

308

310

312

314

316-320
DA APPROVED ARH-RFB
WITH 2 FLOORS OF
BASEMENT PARKING

322

324

326

328

328A

328B

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HIGHFIELD

CLIENT	DATE	SCALE
Caringbah NSW Pty Ltd	29/09/2016	A3 1:1000
PROJECT	DRAWN	CHECKED
113 Willarong Road CARINGBAH 2229	PV	NN
TITLE	DWG No	
CROSS VENTILATION - LEVEL 1	DA16/0388	602

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HIGHFIELD			
CLIENT	Caringbah NSW Pty Ltd	DATE	29/09/2016
PROJECT	113 Willarong Road CARINGBAH 2229	DRAWN	PV
TITLE	CROSS VENTILATION - LEVEL 2	CHECKED	NN
		DWG No	DA16/0388
		SCALE	A3 1:1000
		603	
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TITLE	CROSS VENTILATION - LEVEL 3	DRAWN	PV
		CHECKED	NN
		DWG No	DA16/0388
			604
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CROSS VENTILATION - LEVEL 4

SSPP (Sydney South) Business Paper Appendices (23 May 2017) (2015/05/27/DA160388)

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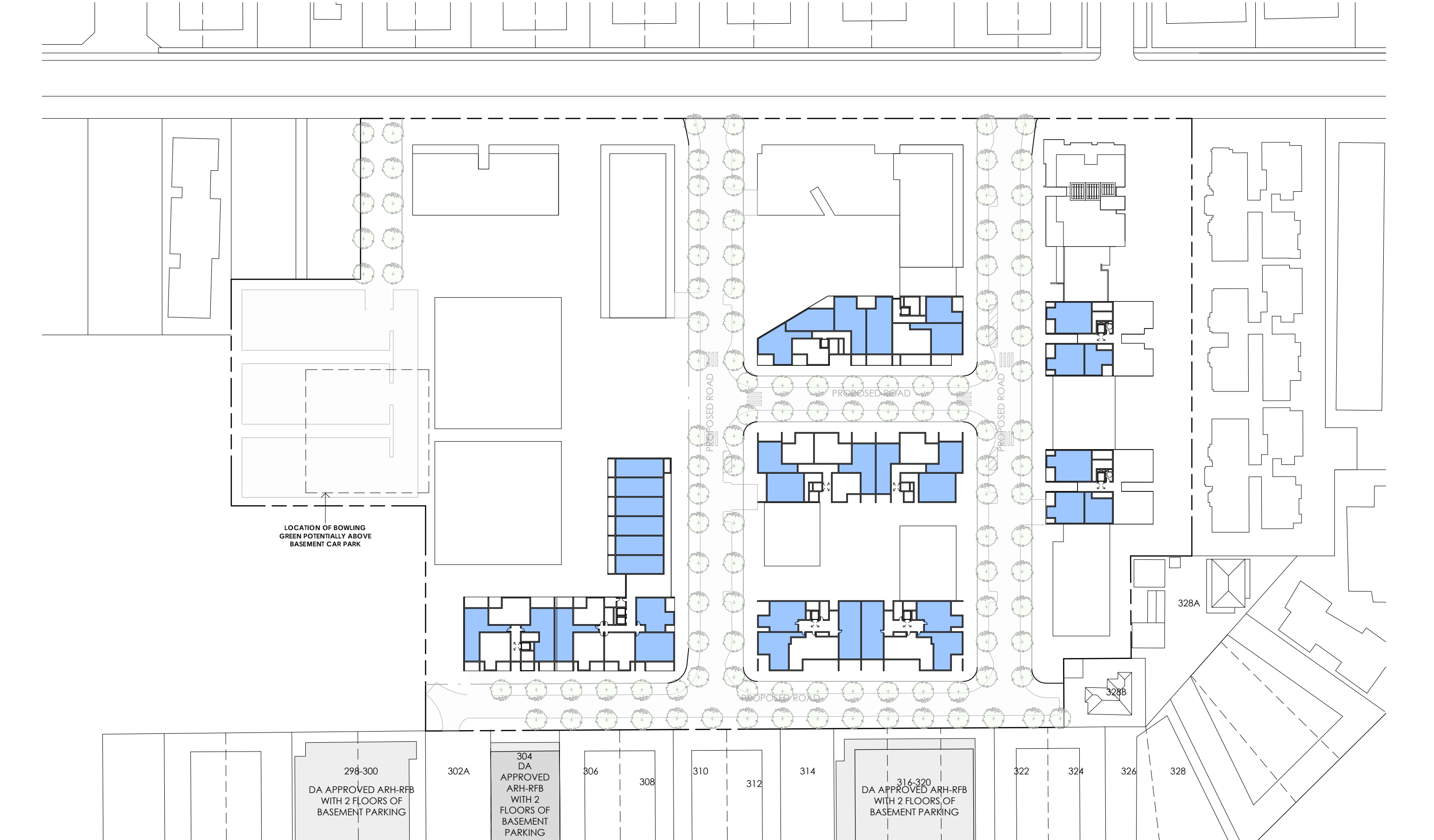
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CLIENT	Caringbah NSW Pty Ltd	DATE	29/09/2016
PROJECT	113 Willarong Road CARINGBAH 2229	SCALE	A3 1:1000
TITLE	CROSS VENTILATION - LEVEL 4	DRAWN	PV
		CHECKED	NN
		DWG No	DA16/0388
			605
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CLIENT	Caringbah NSW Pty Ltd	DATE	29/09/2016
PROJECT	113 Willarong Road CARINGBAH 2229	SCALE	A3 1 : 1000
TITLE	CROSS VENTILATION - LEVEL 5	DRAWN	PV
		CHECKED	NN
		DWG No	DA16/0388
			606
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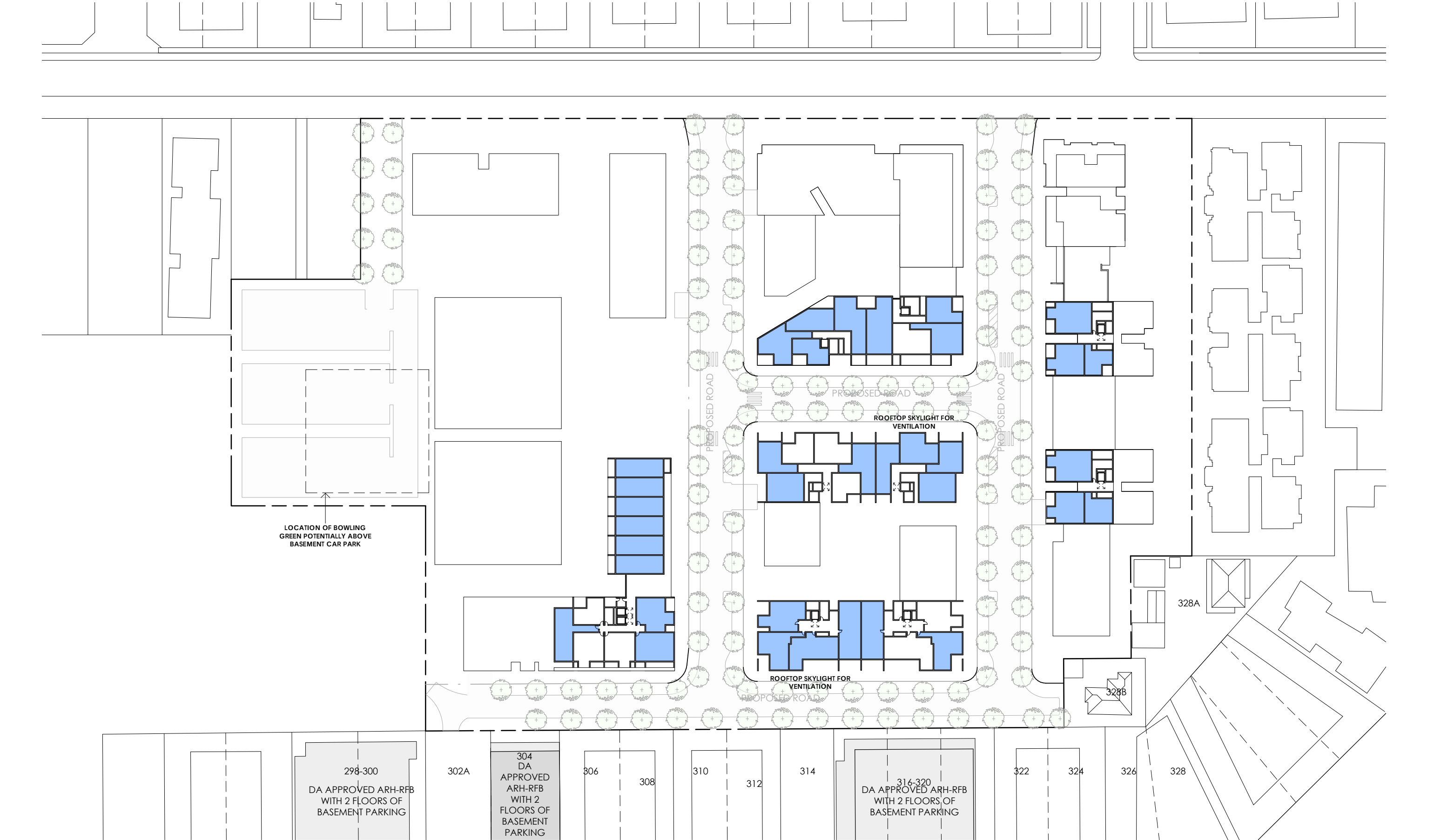


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PROJECT	113 Willarong Road CARINGBAH 2229	DRAWN	PV
TITLE	CROSS VENTILATION - LEVEL 6	CHECKED	NN
		DWG No	607
		DA16/0388	
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CROSS VENTILATION - LEVEL 7

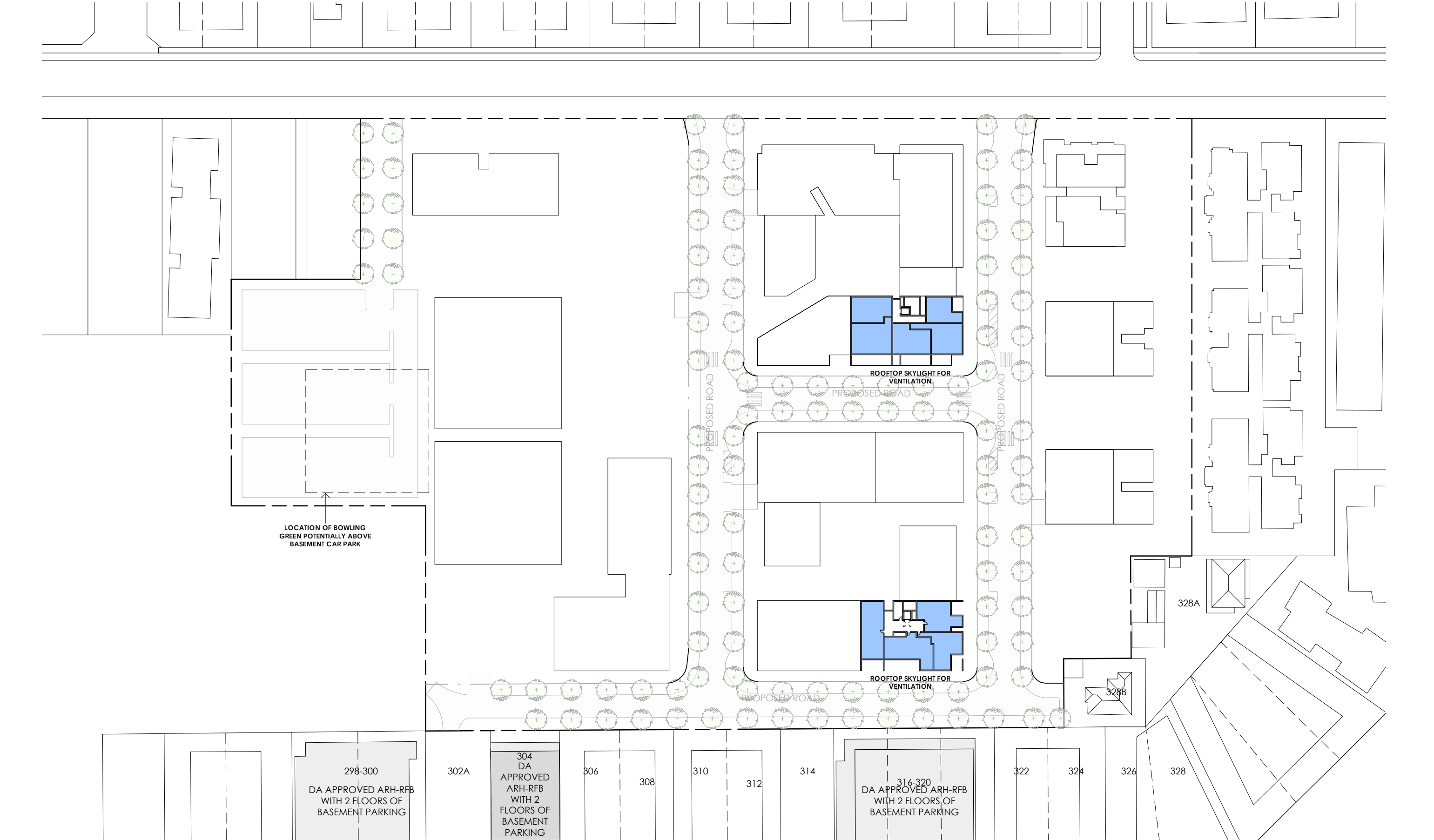
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TITLE	CROSS VENTILATION - LEVEL 7	DRAWN	PV
		CHECKED	NN
		DWG No	DA16/0388
			608
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CROSS VENTILATION - LEVEL 8

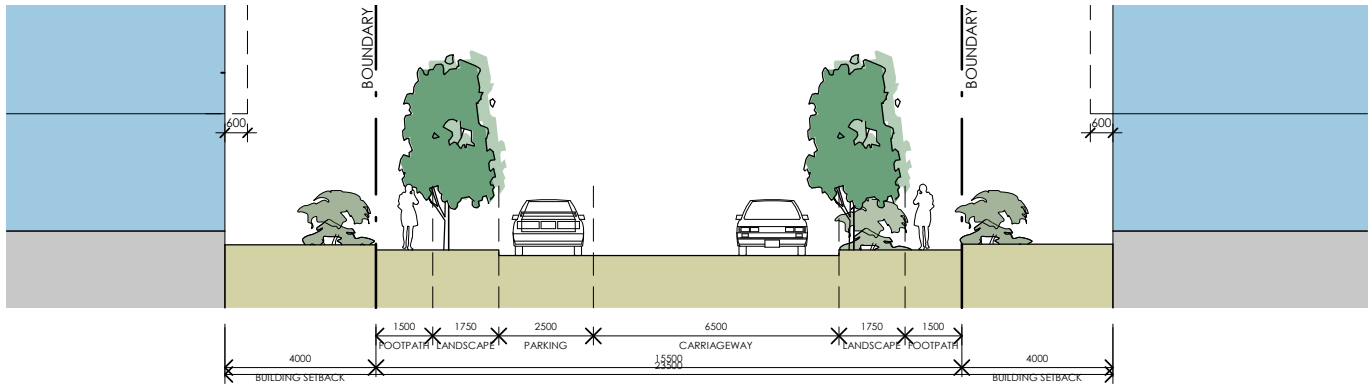
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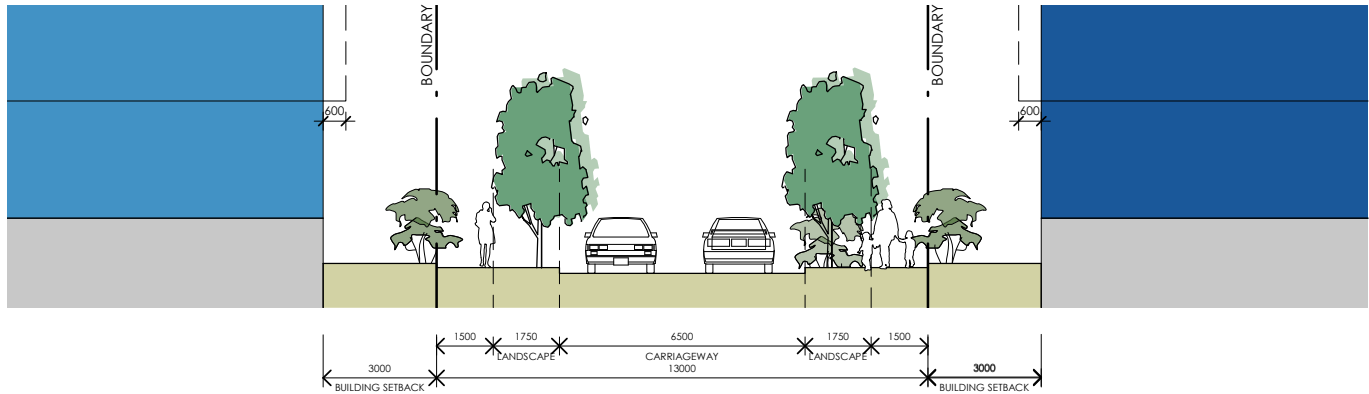
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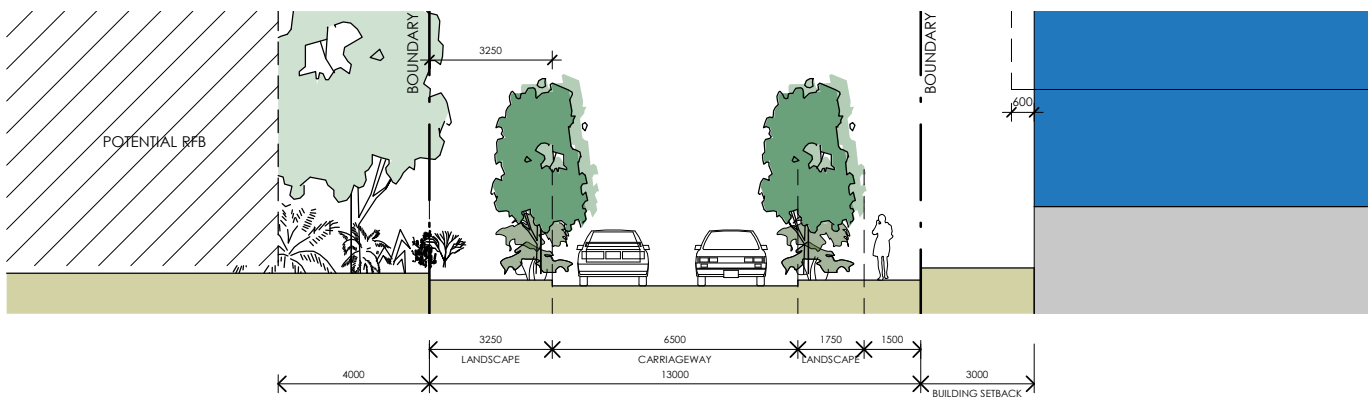
HIGHFIELD			
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TITLE	CROSS VENTILATION - LEVEL 8	DRAWN	PV
		CHECKED	NN
		DWG No	DA16/0388
			609
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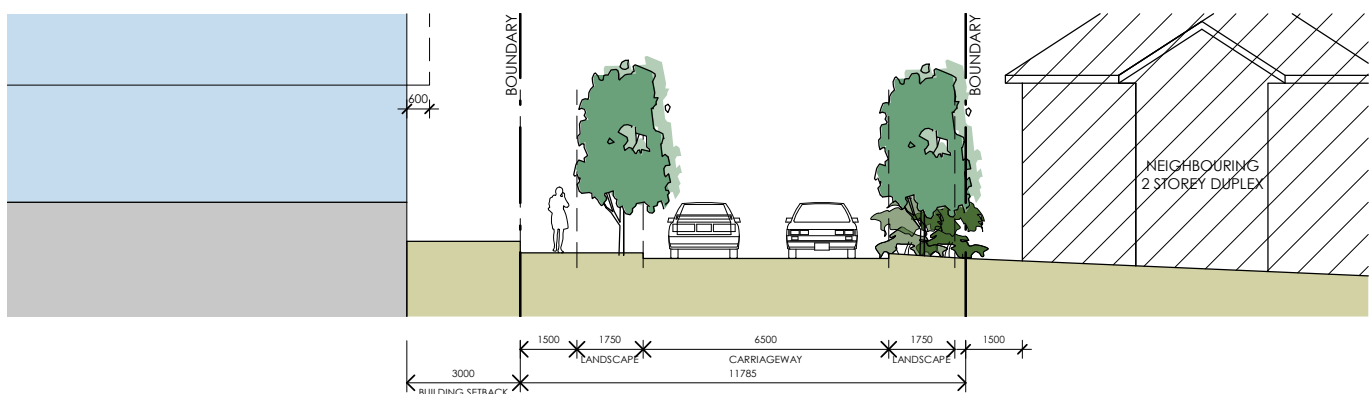
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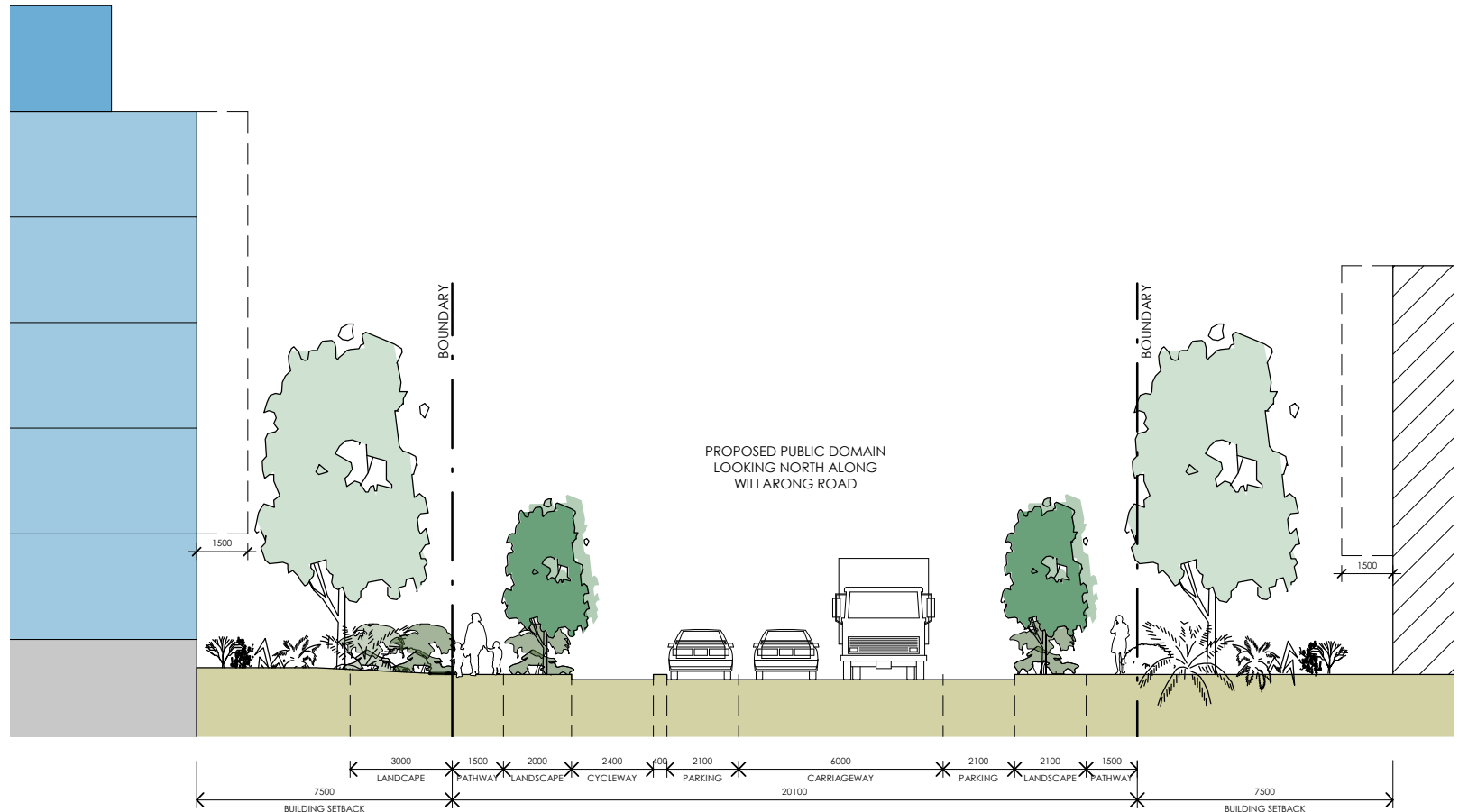
2 ROAD SECTION 2
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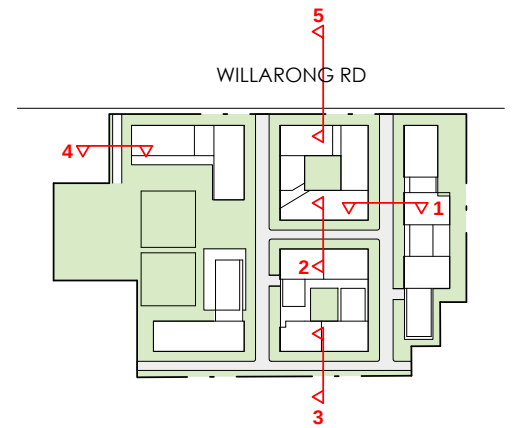
3 ROAD SECTION 3
1 : 200



4 ROAD SECTION 4
1 : 200



5 PROPOSED WILLARONG ROAD SECTION
1 : 200



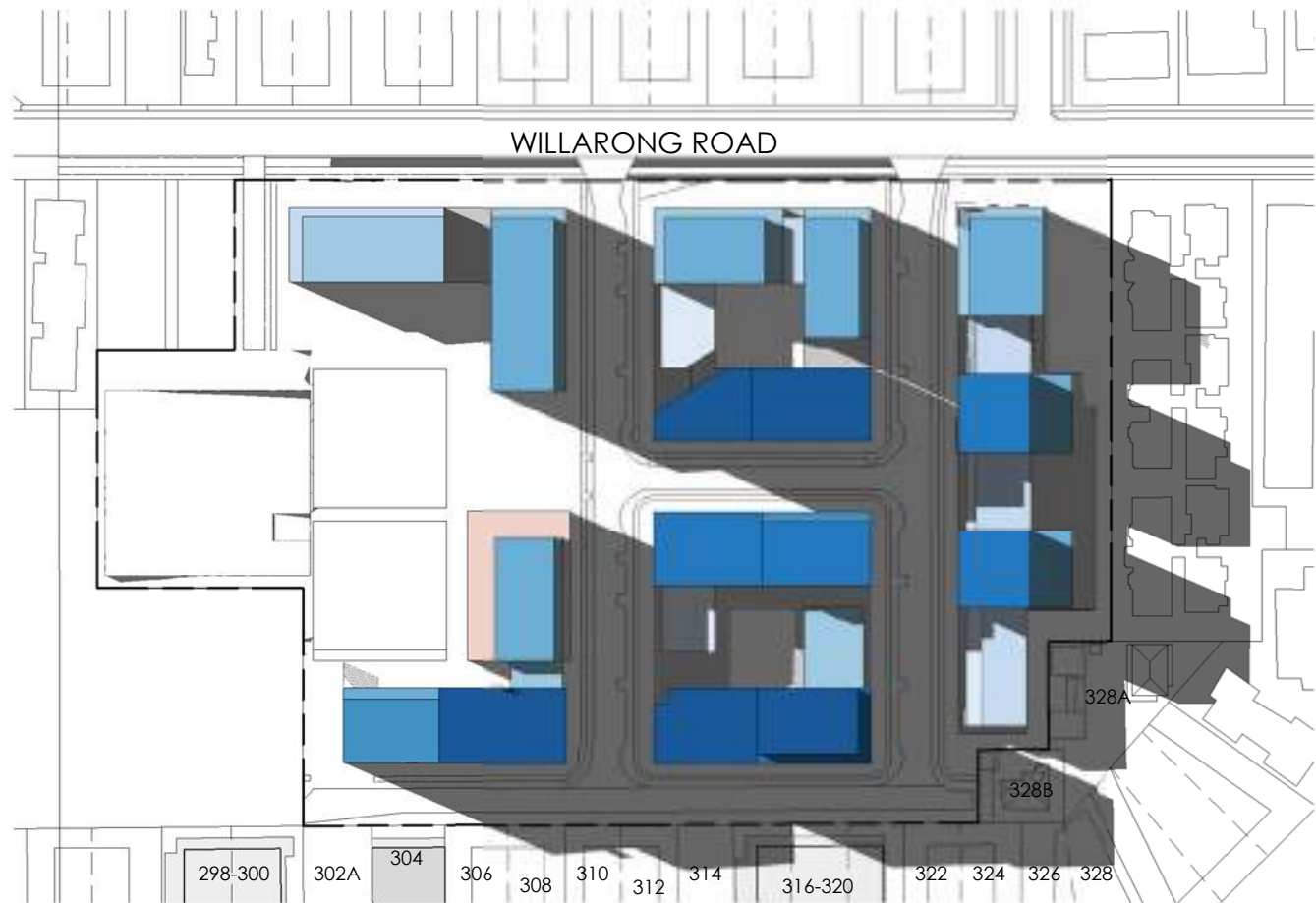
2 STOREYS	
4 STOREYS	
5 STOREYS	
6 STOREYS	
7 STOREYS	
8 STOREYS	
9 STOREYS	

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TITLE	ROAD SECTIONS	CHECKED	NN
		DWG No	DA16/0388
		SCALE	A3 1 : 200
		800	

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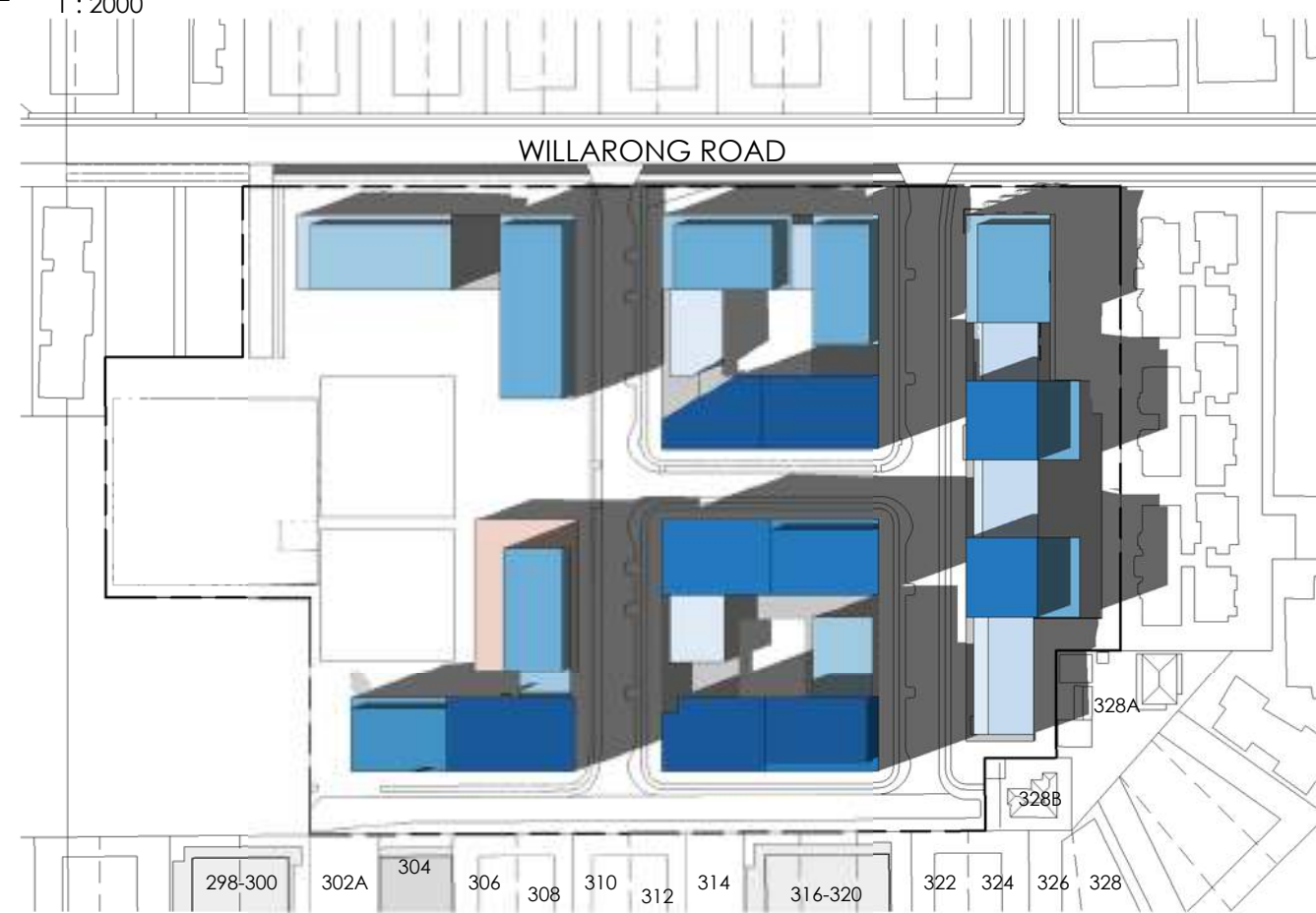
1 SHADOWS - WINTER 9AM
1 : 2000



3 SHADOWS - WINTER 11AM
1 : 2000



2 SHADOWS - WINTER 10AM
1 : 2000



4 SHADOWS - WINTER 12PM
1 : 2000

2 STOREYS	
4 STOREYS	
5 STOREYS	
6 STOREYS	
7 STOREYS	
8 STOREYS	
9 STOREYS	

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REVISED MASTERPLAN
REVISED MASTERPLAN
COUNCIL AMENDMENTS
DA LODGEMENT



HIGHFIELD			
CLIENT	Caringbah NSW Pty Ltd	DATE	29/09/2016
PROJECT	113 Willarong Road CARINGBAH 2229	DRAWN	PV
TITLE	SHADOWS - WINTER SOLSTICE - 21/6	CHECKED	NN
		DWG No	DA16/0388
		Scale	701
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1 SHADOWS - WINTER 1PM
1 : 2000



3 SHADOWS - WINTER 3PM
1 : 2000



2 SHADOWS - WINTER 2PM
1 : 2000

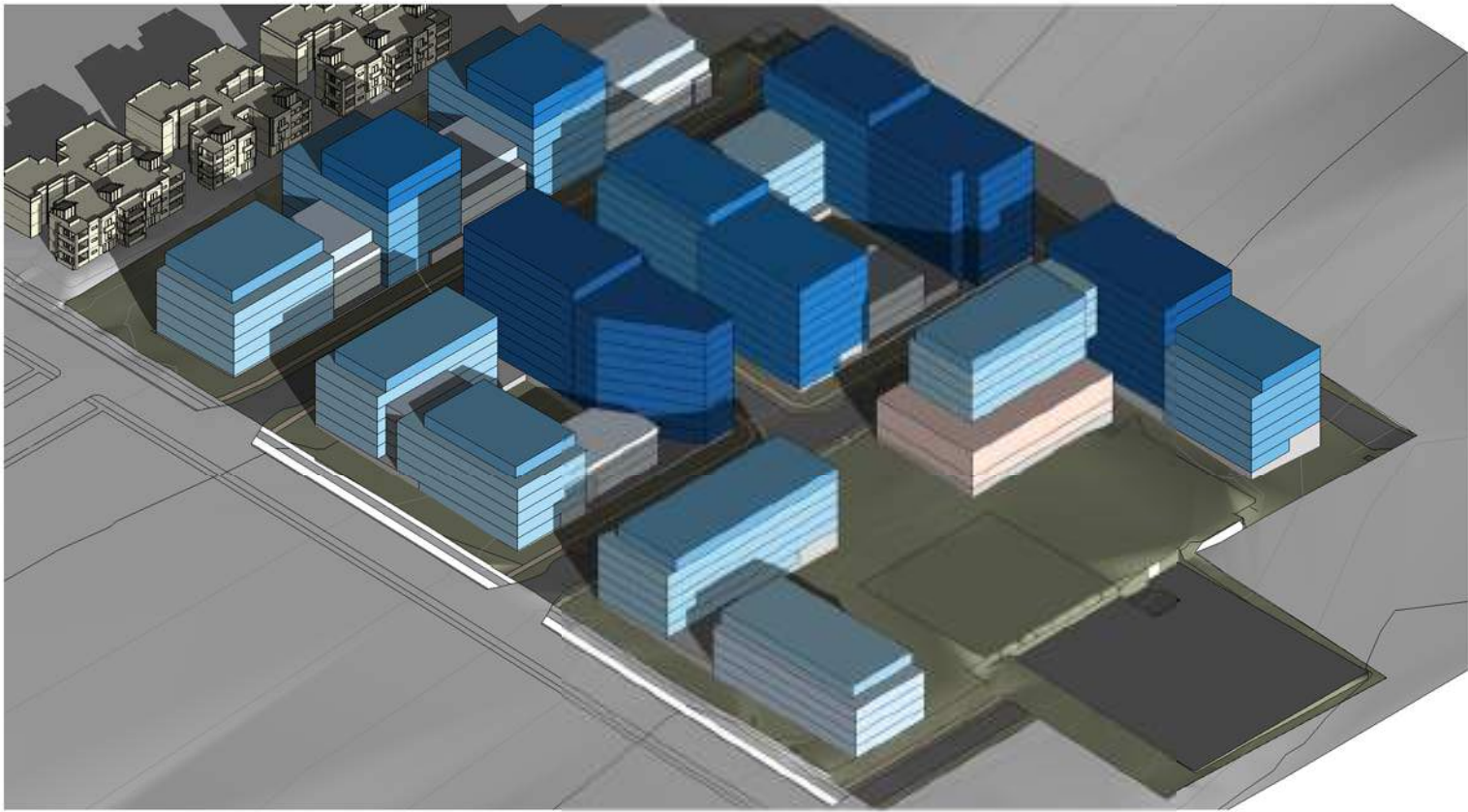
2 STOREYS	
4 STOREYS	
5 STOREYS	
6 STOREYS	
7 STOREYS	
8 STOREYS	
9 STOREYS	

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		CHECKED	NN
		DWG No	DA16/0388
		69	702
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1 MASTERPLAN SHADOWS - 9AM



2 MASTERPLAN SHADOWS - 10AM



3 MASTERPLAN SHADOWS - 11AM

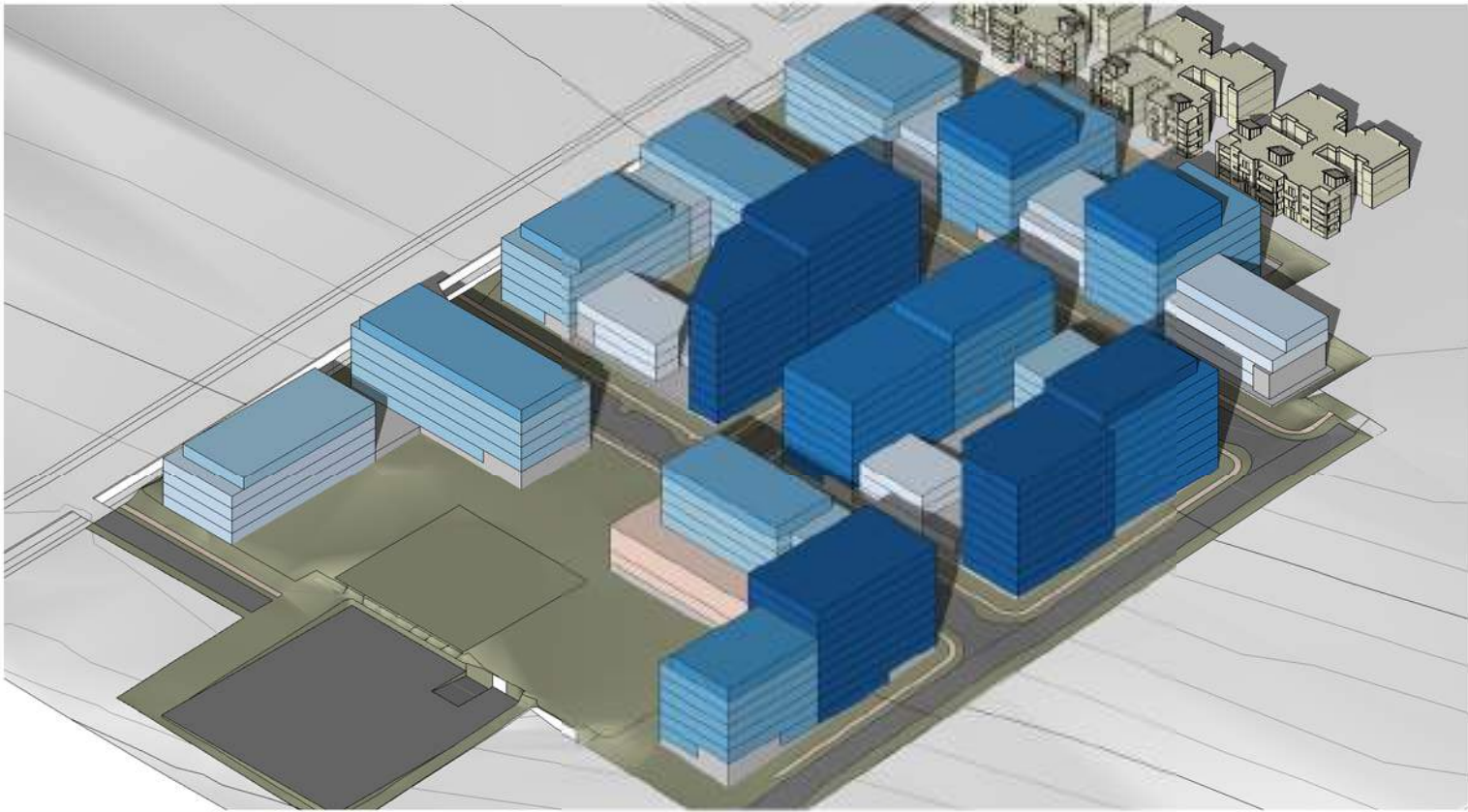


4 MASTERPLAN SHADOWS - 12PM

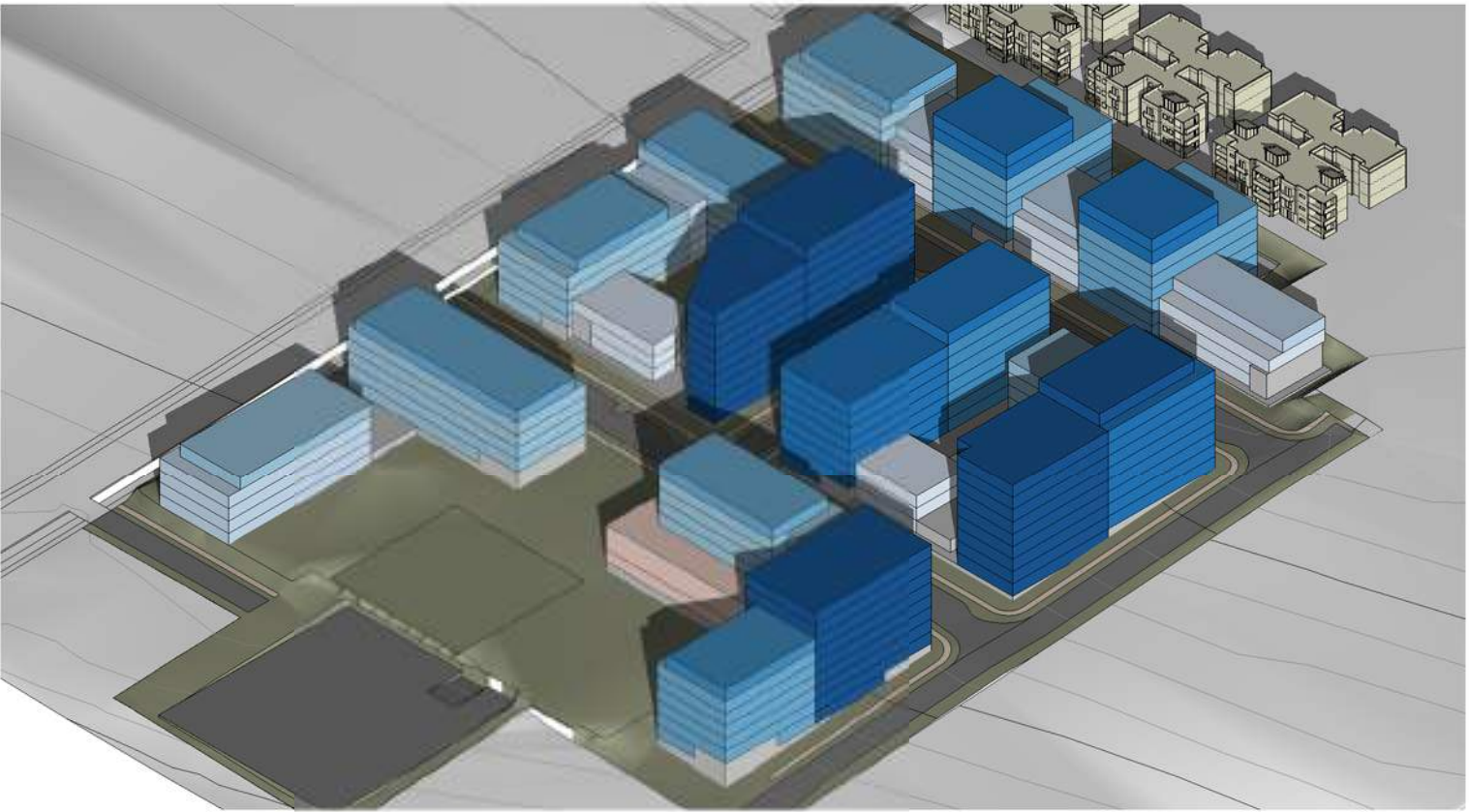
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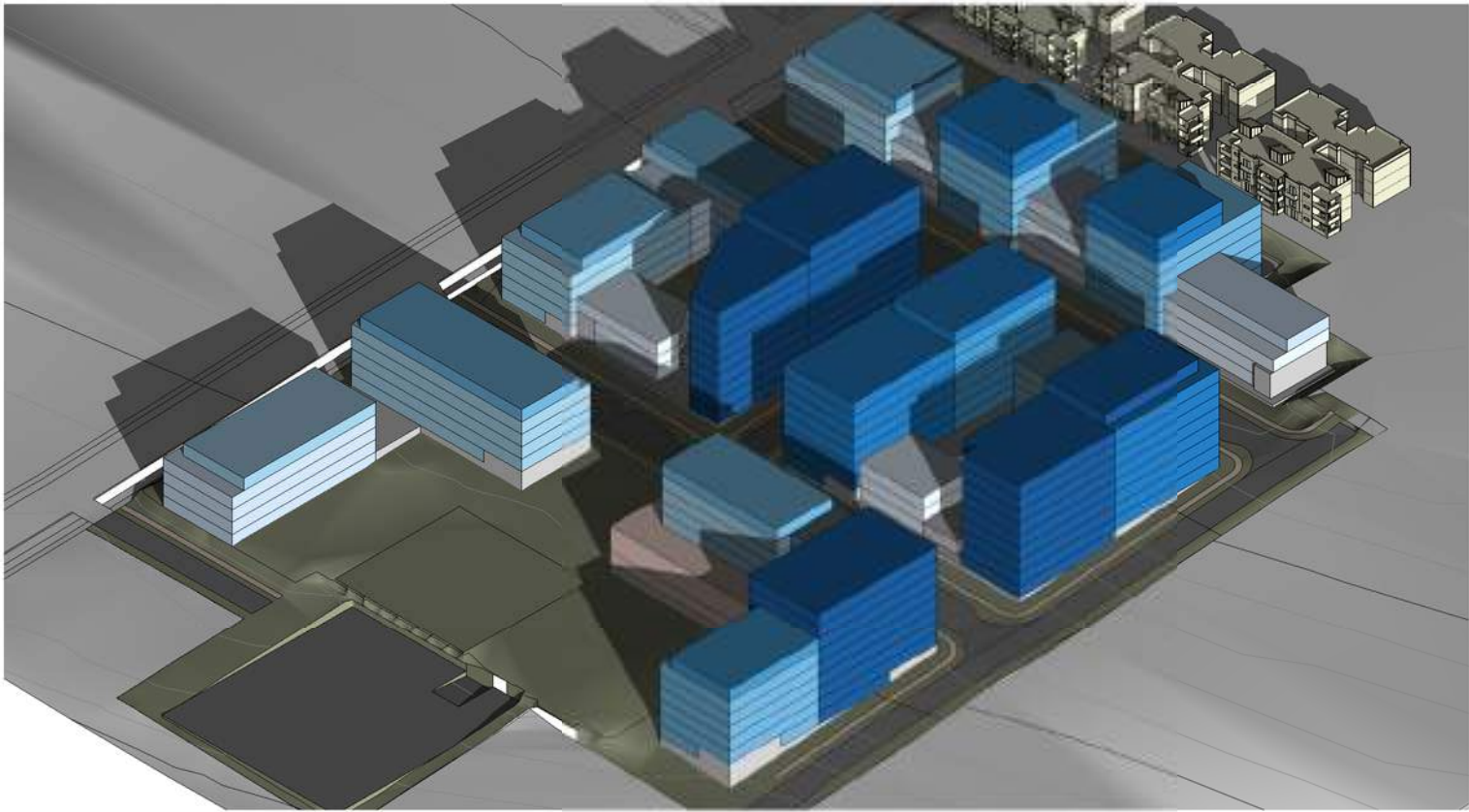
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TITLE	MASTERPLAN SHADOWS - 21/6	CHECKED	NN
		DWG No	DA16/0388
		SCALE	703
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1 MASTERPLAN SHADOWS - 1PM



2 MASTERPLAN SHADOWS - 2PM



3 MASTERPLAN SHADOWS - 3PM

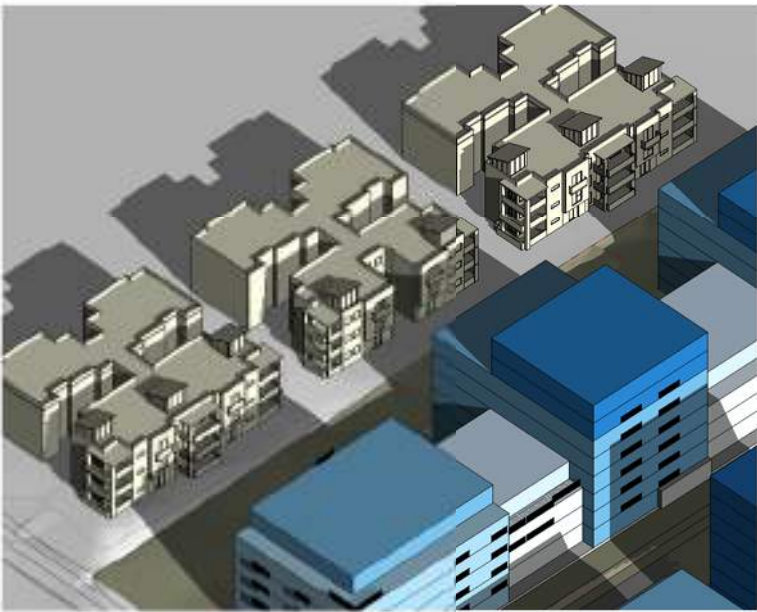
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			704
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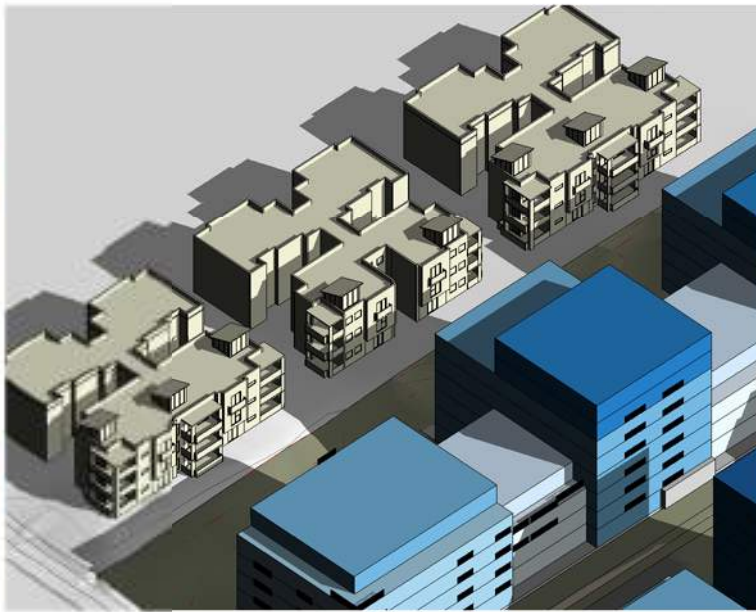
1 NEIGHBOURING SHADOWS - 9AM



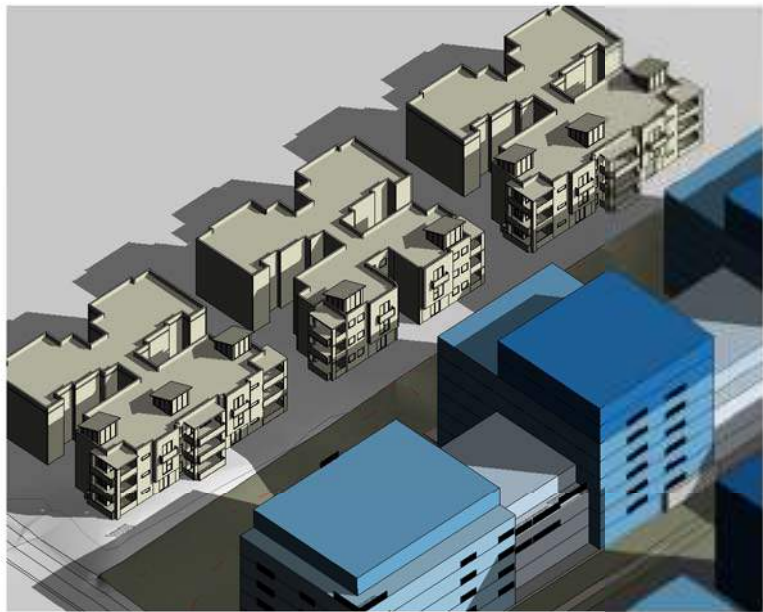
2 NEIGHBOURING SHADOWS - 10AM



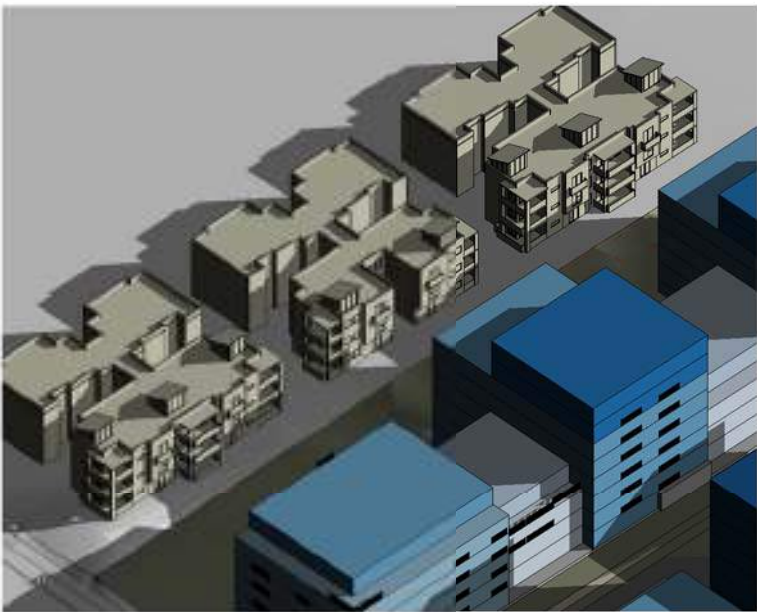
3 NEIGHBOURING SHADOWS - 11AM



4 NEIGHBOURING SHADOWS - 12PM



5 NEIGHBOURING SHADOWS - 1PM



6 NEIGHBOURING SHADOWS - 2PM



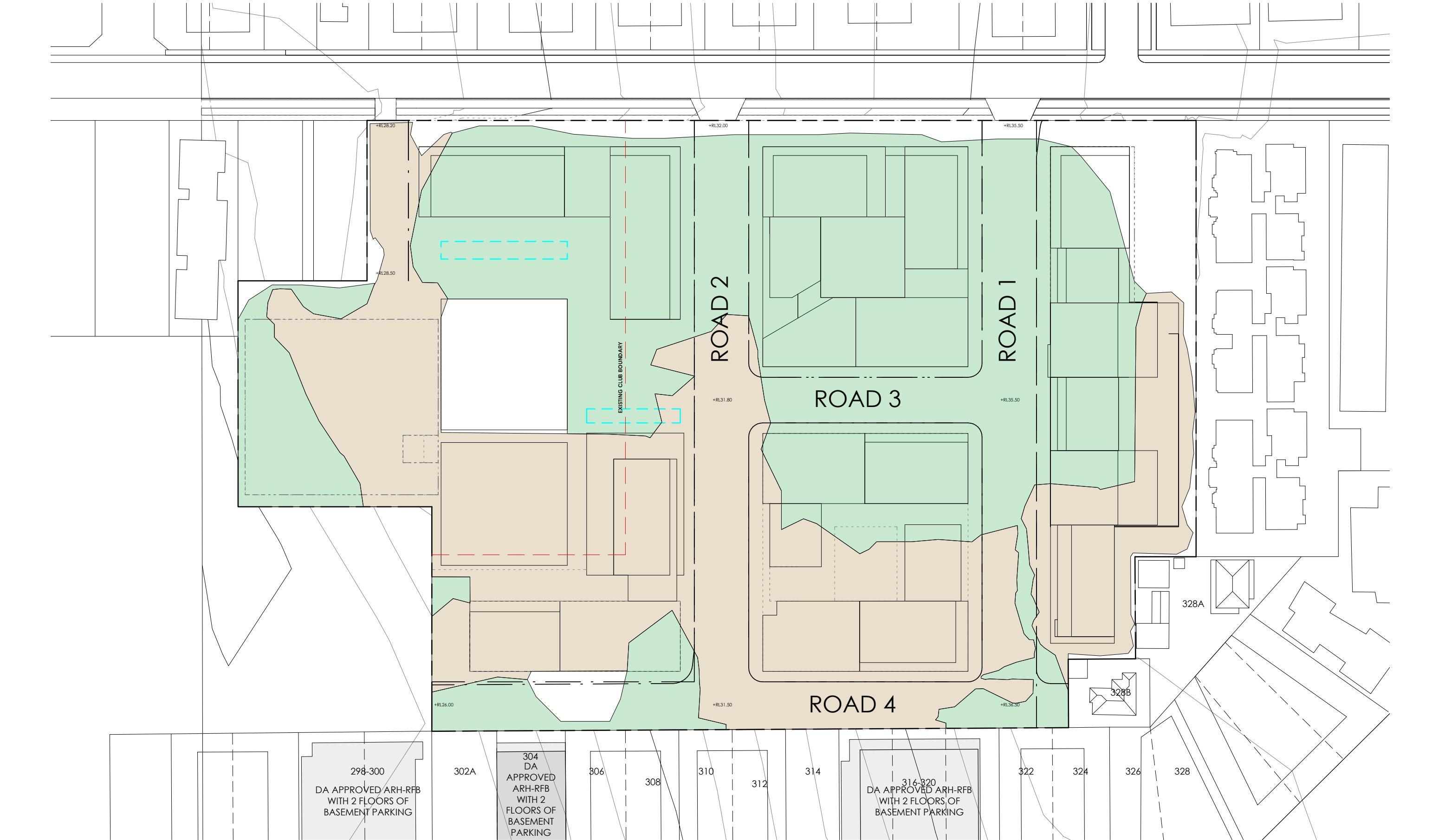
7 NEIGHBOURING SHADOWS - 3PM

FOR FURTHER DETAILED SHADOW ANALYSIS, REFER TO STAGE 1 DA

ISSUE	DATE	DESCRIPTION
E	31/03/2017	REVISED MASTERPLAN
D	09/02/2017	REVISED MASTERPLAN
C	11/01/2017	REVISED MASTERPLAN
B	29/09/2016	COUNCIL AMENDMENTS
A	04/04/2016	DA LODGEMENT



HIGHFIELD			
CLIENT	Caringbah NSW Pty Ltd	DATE	29/09/2016
PROJECT	113 Willarong Road CARINGBAH 2229	DRAWN	PV
TITLE	ELEVATIONAL SHADOWS - 21/6	CHECKED	NN
		DWG No	DA16/0388
			705
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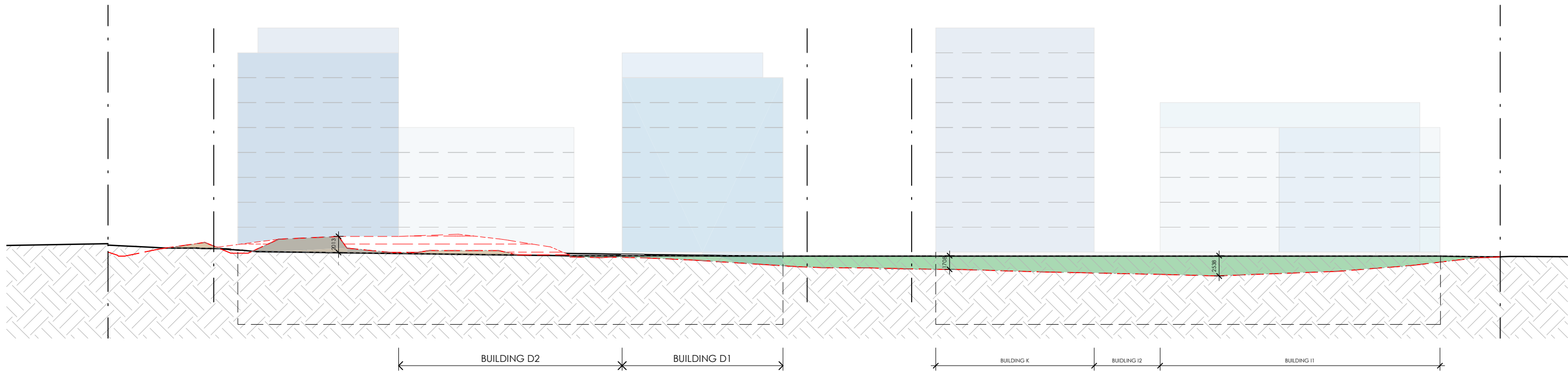


EXTENT OF CUT	
EXTENT OF FILL	
ISSUE	DATE
E	31/03/2017
D	09/02/2017
C	11/01/2017
B	29/09/2016
A	04/04/2016

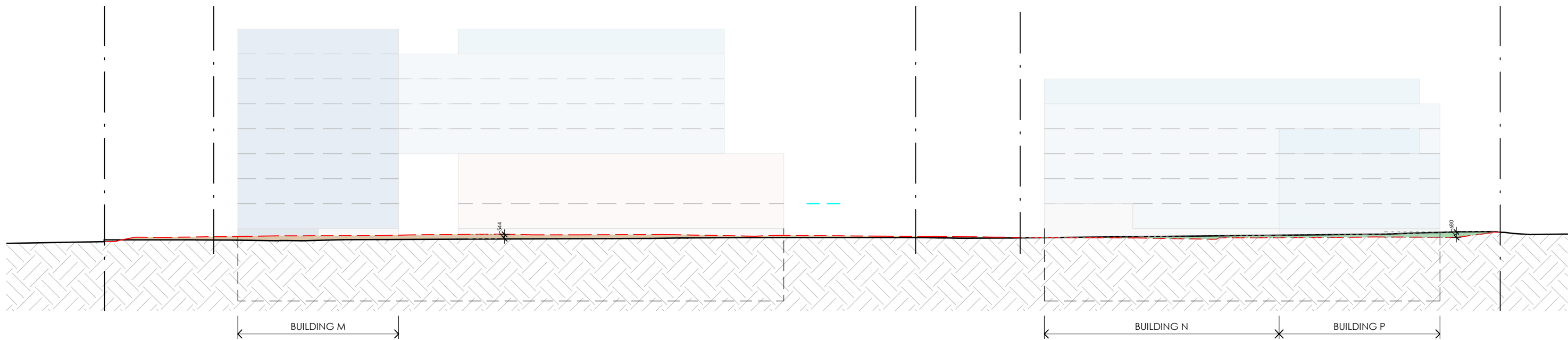
REVISD MASTERPLAN	
REVISED MASTERPLAN	
COUNCIL AMENDMENTS	
DA LODGEMENT	
DESCRIPTION	



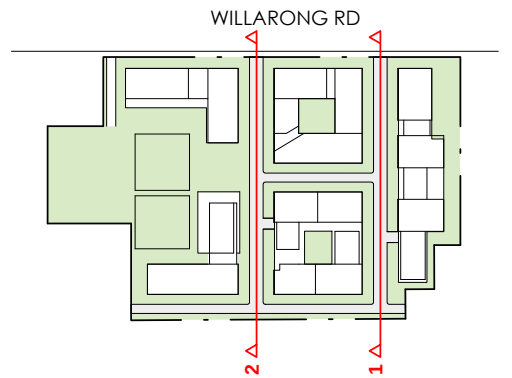
HIGHFIELD			
CLIENT	Caringbah NSW Pty Ltd	DATE	29/09/2016
PROJECT	113 Willarong Road CARINGBAH 2229	DRAWN	PV
TITLE	TOPOGRAPHIC CUT AND FILL	CHECKED	NN
		DWG No	DA16/0388
		SCALE	A3 1 : 1000
		CHECKED	NN
		900	
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1 ROAD 1 CUT AND FILL
1 : 500



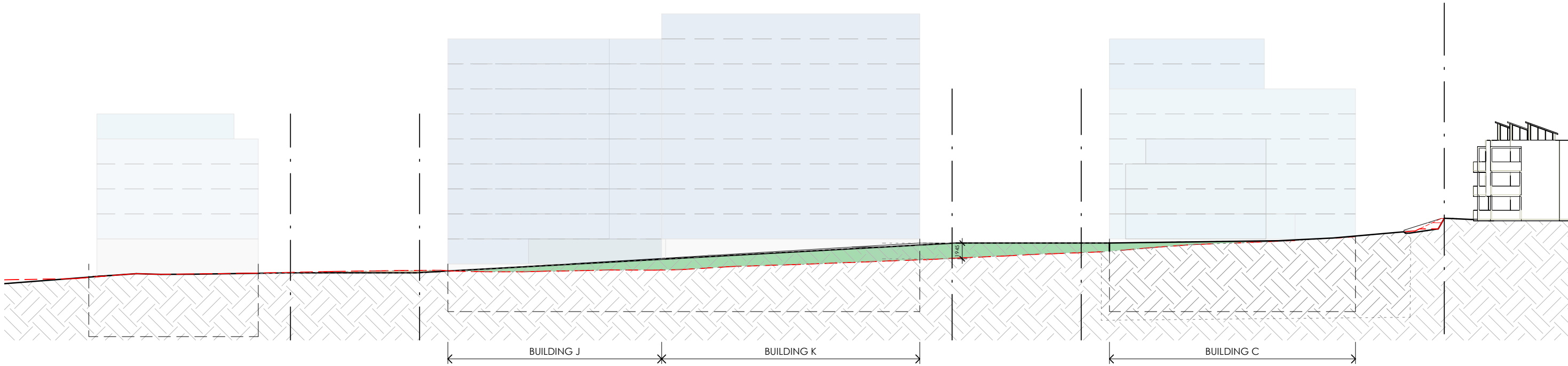
2 ROAD 2 CUT AND FILL
1 : 500



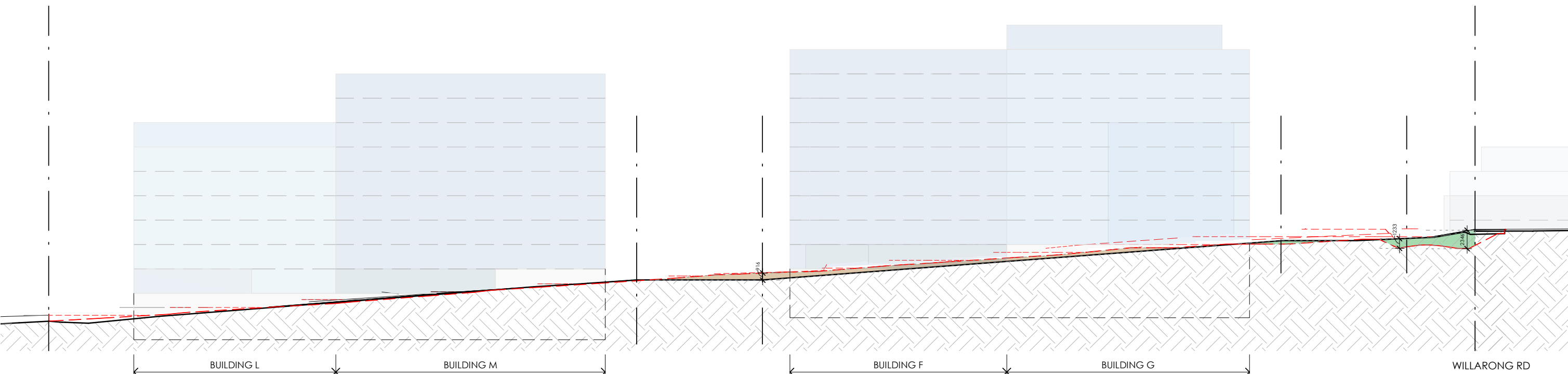
ISSUE	DATE	DESCRIPTION
E	31/03/2017	REVISED MASTERPLAN
D	09/02/2017	REVISED MASTERPLAN
C	11/01/2017	REVISED MASTERPLAN
B	29/09/2016	COUNCIL AMENDMENTS
A	04/04/2016	DA LODGEMENT



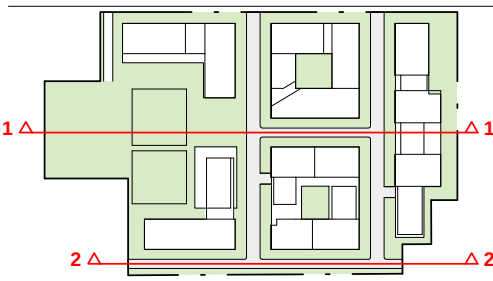
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CLIENT	Caringbah NSW Pty Ltd	DATE	29/09/2016
PROJECT	113 Willarong Road CARINGBAH 2229	SCALE	A3 1 : 500
TITLE	CUT AND FILL SECTIONS 1	DRAWN	PV
		CHECKED	NN
		DWG No	DA16/0388
		74	901
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1 ROAD 3 CUT AND FILL
1 : 500



2 ROAD 4 CUT AND FILL
1 : 500



E	31/03/2017	REVISED MASTERPLAN
D	09/02/2017	REVISED MASTERPLAN
C	11/01/2017	REVISED MASTERPLAN
B	29/09/2016	COUNCIL AMENDMENTS
A	04/04/2016	DA LODGEMENT
ISSUE	DATE	DESCRIPTION

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PHONE: 02 9571 8000 | ADDRESS: 4 KENMORE STREET SYDNEY NSW

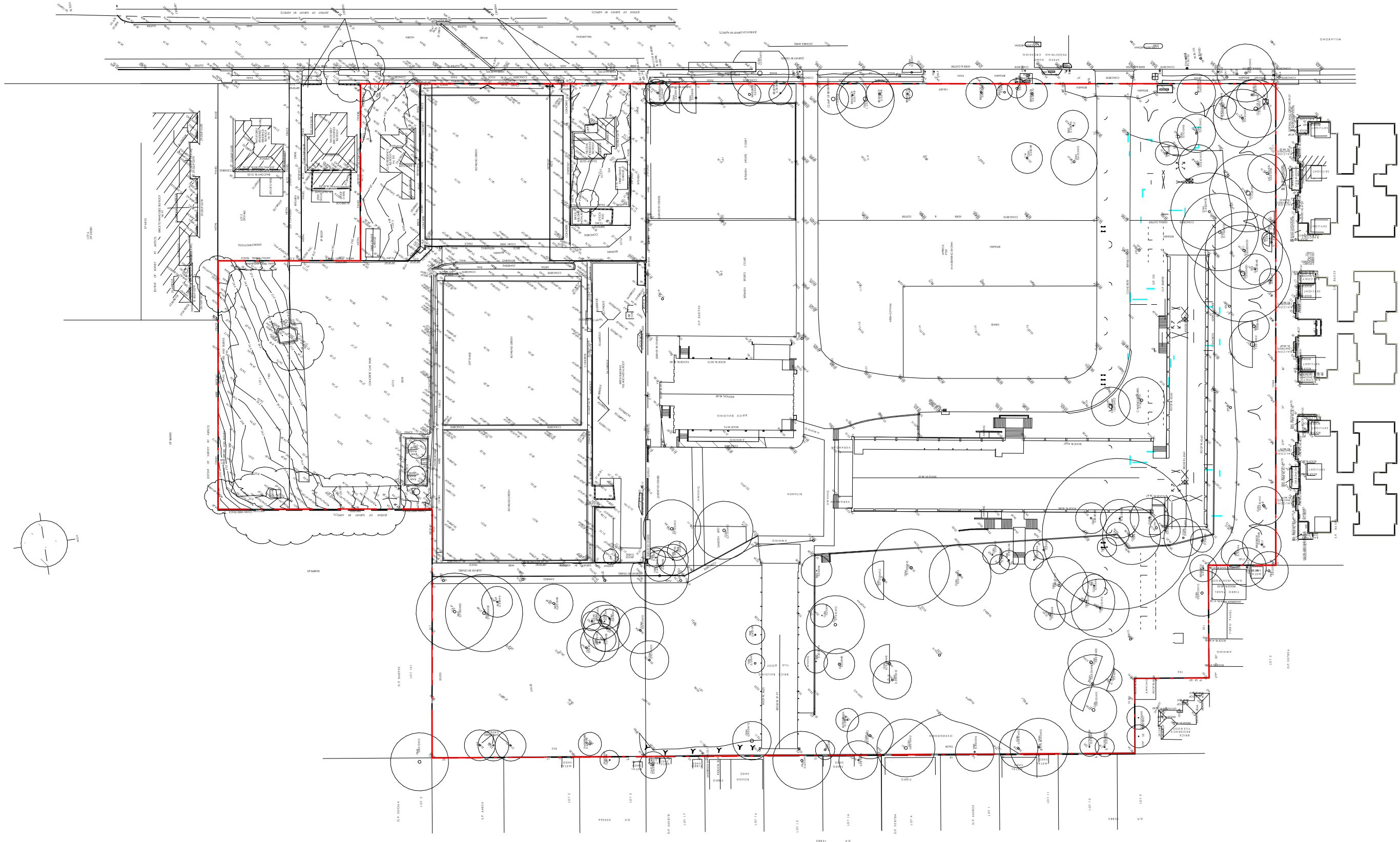
HIGHFIELD			
CLIENT	Caringbah NSW Pty Ltd	DATE	29/09/2016
PROJECT	113 Willarong Road CARINGBAH 2229	SCALE	A3 1 : 500
TITLE	CUT AND FILL SECTIONS 2	DRAWN	PV
		CHECKED	NN
		DWG No	DA16/0388
			902
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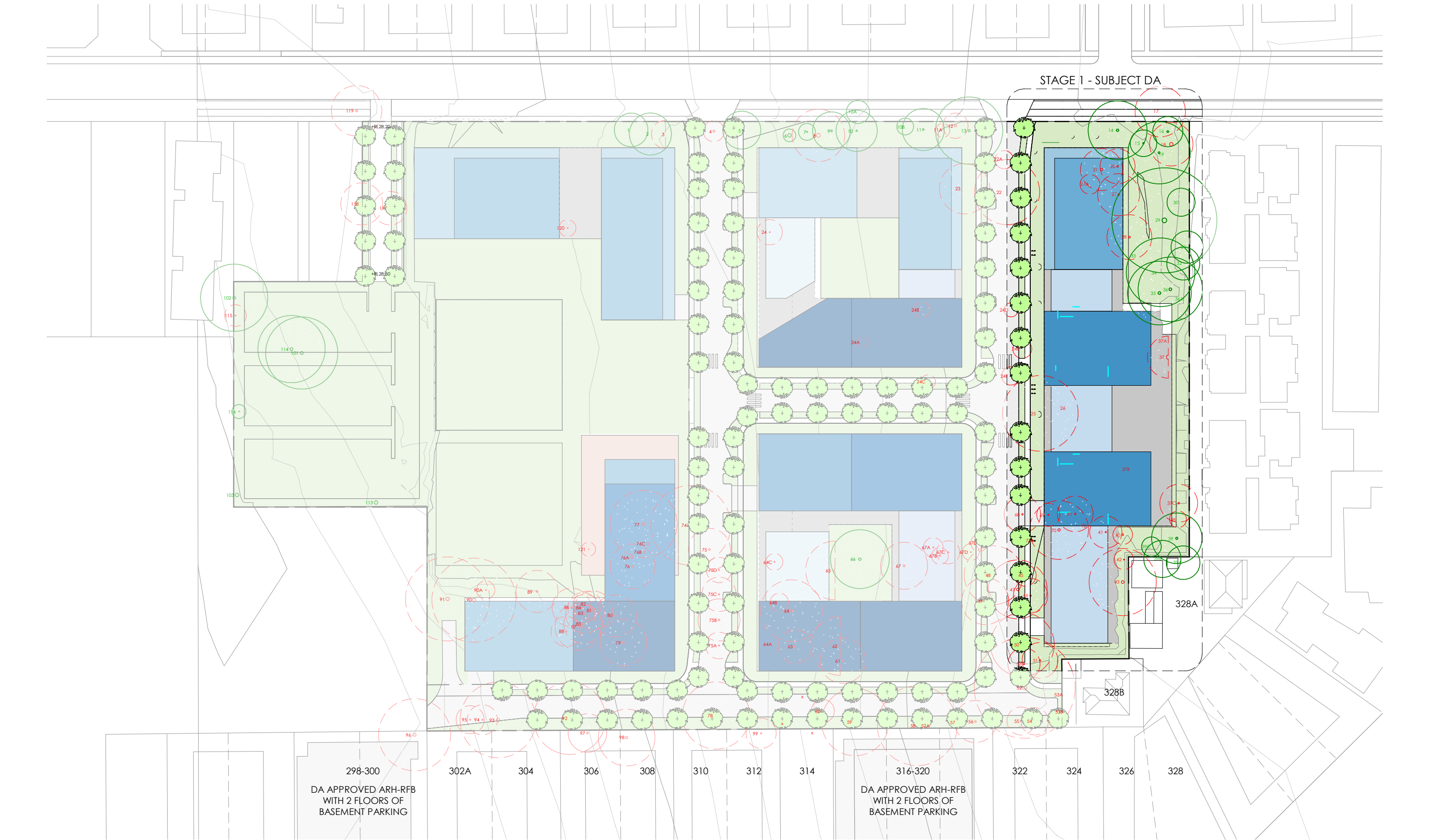
001	SURVEY	300	ELEVATION 1	707	ELEVATIONAL SHADOWS - 21/6
101	SITE INFO / UNIT COMPOSITION	301	ELEVATIONS 2	708	SUN'S EYE SHADOW DIAGRAMS - 21/6
200	BASEMENT 3 PLAN	400	SECTIONS	709	SUNS EYE SHADOW DIAGRAMS - 21/6
201	BASEMENT 2 PLAN	401	DRIVEWAY SECTIONS	710	SUNS EYE SHADOW DIAGRAMS - 21/6
202	BASEMENT 1 PLAN	500	SOLAR ACCESS	711	SUNS EYE SHADOW DIAGRAMS - 21/6
203	GROUND FLOOR PLAN	501	CROSS VENTILATION	712	SUNS EYE SHADOW DIAGRAMS - 21/6
204	LEVEL 1 FLOOR PLAN	502	FSR CALCULATIONS	713	SUNS EYE SHADOW DIAGRAMS - 21/6
205	LEVEL 2 FLOOR PLAN	600	ADAPTABLE LAYOUTS	714	SUNS EYE SHADOW DIAGRAMS - 21/6
206	LEVEL 3 FLOOR PLAN	701	SHADOWS - WINTER SOLSTICE - 21/6	900	MATERIALS AND FINISHES
207	LEVEL 4 FLOOR PLAN	702	SHADOWS 2 - WINTER SOLSTICE - 21/6		
208	LEVEL 5 FLOOR PLAN	703	SHADOWS - EQUINOX - 21/3		
209	LEVEL 6 FLOOR PLAN	704	SHADOWS 2 - EQUINOX - 21/3		
210	LEVEL 7 FLOOR PLAN	705	SHADOWS - SUMMER - 21/12		
211	LEVEL 8 FLOOR PLAN	706	SHADOWS 2 - SUMMER - 21/12		

D	31/03/2017	COUNCIL AMENDMENTS
C	09/02/2017	COUNCIL AMENDMENTS
B	29/09/2016	COUNCIL AMENDMENTS
A	04/04/2016	DA LODGEMENT
ISSUE	DATE	DESCRIPTION



HIGHFIELD			
CLIENT	Caringbah NSW Pty Ltd	DATE	31/03/2017
PROJECT	113 Willarong Road CARINGBAH 2229	DRAWN	PV
TITLE	COVER SHEET	CHECKED	NN
		DWG No	DA16/0388
			000
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2 STOREYS	
4 STOREYS	
5 STOREYS	
6 STOREYS	
7 STOREYS	
8 STOREYS	
9 STOREYS	

ISSUE	DATE	DESCRIPTION
D	31/03/2017	COUNCIL AMENDMENTS
C	09/02/2017	COUNCIL AMENDMENTS
B	29/09/2016	COUNCIL AMENDMENTS
A	04/04/2016	DA LODGEMENT



HIGHFIELD			
CLIENT	Caringbah NSW Pty Ltd	DATE	31/03/2017
PROJECT	113 Willarong Road CARINGBAH 2229	DRAWN	PV
TITLE	MASTERPLAN	CHECKED	NN
		DWG No	DA16/0388
			002
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DETAILS / CALCULATIONS	
SITE DETAILS	
Address	105-113 Willarong Road Caringbah
D.P. & LOT	Lot 102 DP 868930, Lot 1,3,4,5,6,7 DP31460, Lot P DP 413007
Site Area	41083.4m²
Site Frontage	235m
Current Use	Vacant school
Existing Gross Floor Area	8,087m²
FLOOR SPACE	
Zone	R4
F.S.R.	1.2:1 + 0.3 (Bonus for High School Site)
Max Area Allowable	58222m²
Allowable Height of building	16m+ 14m (Bonus for High School Site)
Proposed Height of building	28.4m
PROPOSED	0 m²
Ground Floor	2008 m²
Level 1	2104 m²
Level 2	2141 m²
Level 3	2116 m²
Level 4	1284 m²
Level 5	1201 m²
Level 6	504 m²
Level 7	496 m²
Total	11855 m²
Percentage of total allowable G.F.A. of site:	20.36%
UNIT COMPOSITION	
1 Bedroom Units	26 (19.85%)
2 Bedroom Units	85 (64.89%)
3 Bedroom Units	19 (14.50%)
4 Bedroom Units	1 (0.76%)
TOTAL	131
LANDSCAPING	
Required Deep Soil Area (as per master plan)	2459m²
Proposed Deep Soil Area	2459m²
CARPARKING	
1 Space per 1 Bedroom Unit	26
1.5 Spaces per 2 Bedroom Unit	127.5
2 Spaces per 3 Bedroom Unit	38
2 Spaces per 4 Bedroom Unit	2
1 Space Per 4 Units (Visitors)	33
1 Car Wash	3
Total Car Spaces Required	230.5
Total Car Spaces Provided	237
SOLAR ANALYSIS	
2 Hours of Solar Access	98/131
Total Percentage of Compliance	74.63%
CROSS VENTILATION	
Cross Ventilated Units	89/131
Total Percentage of Compliance	67.94%
ADAPTABLE UNITS	
Stage 1 Required Adaptable Units	20% (26.2 Units)
Stage 1 Proposed Adaptable Units	20..61% (27 Units)
Livable Units	10%(14 Units)
STORAGE	
6m² Storage per 1 bedroom unit	
8m² Storage per 2 bedroom unit	131 Storage cages provided in basement
10m² Storage per 3 bedroom unit	Internal storage is also provided in apartments
Total Storage Required	
MASTER PLAN COMPARISON	
Master Plan Envelope Area - Stage 1	12 018m²
Development Application Area	11 855m²
Efficiency of Stage 1	69.06%
Remaining GFA	46 367m²

DOOR SCHEDULE					
Number	Width	Height	Description	Count	
01	1000	3300	Single Glazed Door + Fanlight	2	
	1200	2900	Single Glazed Door + Fanlight	33	
03	2100	2900	Sliding Door 2 Panel	39	
04	2400	2900	Sliding Door 2 Panel	18	
05	2700	2900	Sliding Door 2 Panel	18	
06	3000	2900	Sliding Door 3 Panel	2	
07	3300	2900	Sliding Door 3 Panel	88	
08	4000	2900	Sliding Door 3 Panel	30	

Grand total: 230

WINDOW SCHEDULE					
Number	Width	Height	Description	Count	
01	600	2900	AWNING WINDOW	2	
02	900	2900	AWNING WINDOW	183	
03	1000	2900	AWNING WINDOW	120	
04	1200	1800	AWNING WINDOW	3	
05	1200	2900	AWNING WINDOW	69	
06	1300	2900	AWNING WINDOW	7	
07	1800	600	AWNING WINDOW	28	

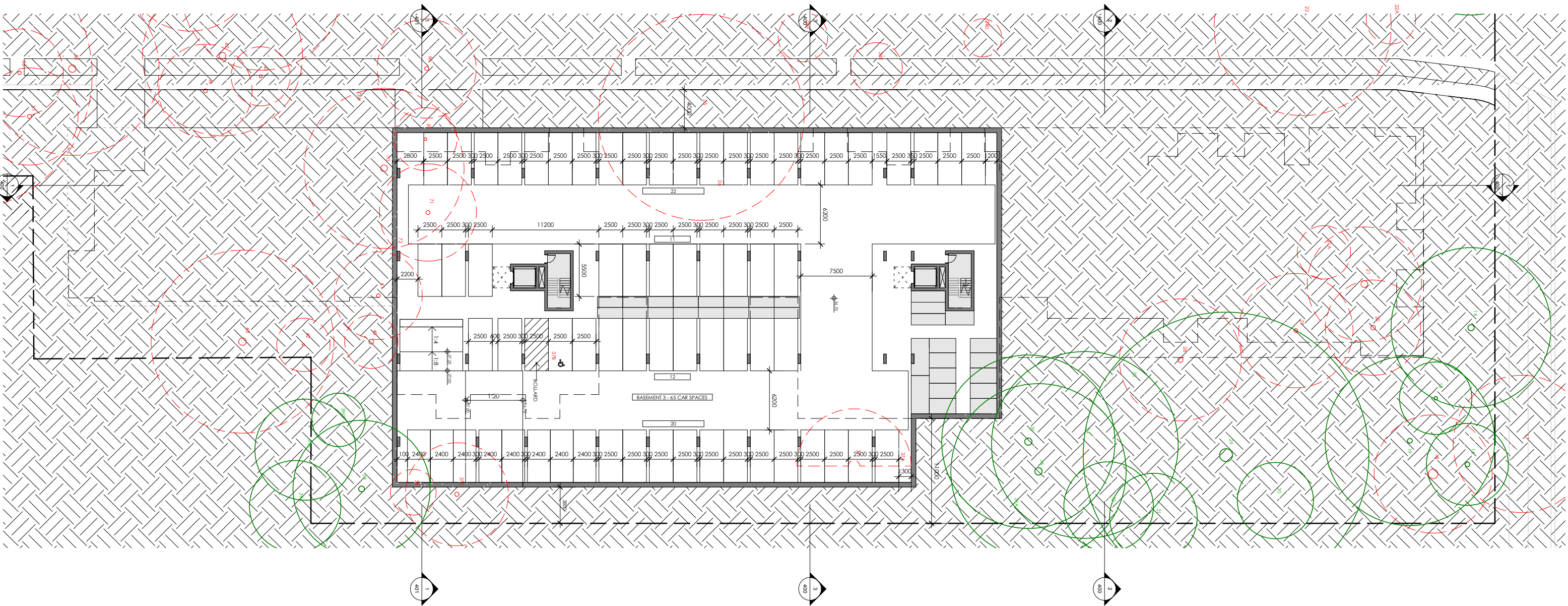
Grand total: 412

UNIT COMPOSITION					
Unit Number	AREA TYPE	Area	Solar Access 2hrs	Cross Ventilation	Storeys
A101	2 BEDROOM	78 m²	Yes	Yes	1
A102	1 BEDROOM	57 m²	No	No	1
A103	2 BEDROOM	76 m²	No	Yes	1
A104	2 BEDROOM	90 m²	No	No	1
A105	1 BEDROOM	54 m²	Yes	No	1
A106	1 BEDROOM	52 m²	Yes	No	1
A201	2 BEDROOM	78 m²	Yes	Yes	1
A202	1 BEDROOM	57 m²	No	No	1
A203	2 BEDROOM	76 m²	No	Yes	1
A204	2 BEDROOM	78 m²	No	No	1
A205	3 BEDROOM	108 m²	Yes	Yes	1
A206	1 BEDROOM	52 m²	Yes	No	1
A207	1 BEDROOM	52 m²	Yes	No	1
A301	2 BEDROOM	78 m²	Yes	Yes	1
A302	1 BEDROOM	57 m²	No	No	1
A303	2 BEDROOM	76 m²	No	Yes	1
A304	2 BEDROOM	78 m²	No	No	1
A305	3 BEDROOM	108 m²	Yes	Yes	1
A306	1 BEDROOM	52 m²	Yes	No	1
A307	1 BEDROOM	52 m²	Yes	No	1
A401	2 BEDROOM	78 m²	Yes	Yes	1
A402	1 BEDROOM	57 m²	No	No	1
A403	2 BEDROOM	76 m²	No	Yes	1
A404	2 BEDROOM	78 m²	No	Yes	1
A405	1 BEDROOM	52 m²	Yes	Yes	1
A406	1 BEDROOM	52 m²	Yes	No	1
A501	2 BEDROOM	76 m²	Yes	Yes	1
A502	2 BEDROOM	72 m²	Yes	Yes	1
A503	2 BEDROOM	78 m²	Yes	Yes	1
A504	3 BEDROOM	94 m²	Yes	Yes	1
AG01	2 BEDROOM	78 m²	Yes	Yes	1
AG02	1 BEDROOM	57 m²	No	No	1
AG03	2 BEDROOM	76 m²	No	Yes	1
AG04	2 BEDROOM	84 m²	No	No	1
AG05	1 BEDROOM	52 m²	Yes	No	1
AG06	1 BEDROOM	52 m²	Yes	No	1
AG07	3 BEDROOM	139 m²	Yes	Yes	2
AG08	3 BEDROOM	139 m²	Yes	Yes	2
AG09	2 BEDROOM	119 m²	Yes	Yes	2
B101	2 BEDROOM	95 m²	Yes	No	1
B102	2 BEDROOM	81 m²	No	Yes	1
B103	2 BEDROOM	81 m²	No	Yes	1
B104	3 BEDROOM	122 m²	Yes	Yes	1
B105	2 BEDROOM	77 m²	Yes	No	1
B201	2 BEDROOM	77 m²	Yes	No	1
B202	3 BEDROOM	111 m²	Yes	Yes	1
B203	2 BEDROOM	81 m²	No	Yes	1
B204	2 BEDROOM	81 m²	Yes	Yes	1
B205	STUDIO	62 m²	No	No	1
B206	2 BEDROOM	90 m²	Yes	Yes	2
B207	2 BEDROOM	90 m²	Yes	Yes	2
B208	2 BEDROOM	71 m²	Yes	Yes	2
B209	2 BEDROOM	75 m²	Yes	No	1
B210	2 BEDROOM	75 m²	Yes	No	1
B211	2 BEDROOM	77 m²	Yes	No	1
B301	2 BEDROOM	77 m²	Yes	No	1
B302	3 BEDROOM	111 m²	Yes	Yes	1
B303	2 BEDROOM	81 m²	No	Yes	1
B304	2 BEDROOM	81 m²	Yes	Yes	1
B305	3 BEDROOM	120 m²	Yes	Yes	1
B306	3 BEDROOM	77 m²	Yes	No	1
B401	2 BEDROOM	77 m²	Yes	Yes	1
B402	2 BEDROOM	81 m²	No	Yes	1
B403	4 BEDROOM	119 m²	Yes	Yes	1
B404	2 BEDROOM	77 m²	Yes	Yes	1
B501	2 BEDROOM	95 m²	Yes	Yes	1
B502	2 BEDROOM	81 m²	No	Yes	1
B503	2 BEDROOM	81 m²	Yes	Yes	1
B504	1 BEDROOM	51 m²	Yes	No	1
B505	2 BEDROOM	77 m²	Yes	Yes	1

UNIT COMPOSITION					
Unit Number	AREA TYPE	Area	Solar Access 2hrs	Cross Ventilation	Storeys
B601	2 BEDROOM	95 m²	Yes	Yes	1
B602	1 BEDROOM	51 m²	Yes	Yes	1
B603	2 BEDROOM	77 m²	Yes	Yes	1
B701	2 BEDROOM	95 m²	Yes	Yes	1
B702	1 BEDROOM	51 m²	Yes	Yes	1
B703	2 BEDROOM	77 m²	Yes	Yes	1
BG01	2 BEDROOM	95 m²	Yes	No	1
BG02	2 BEDROOM	81 m²	No	Yes	1
BG03	2 BEDROOM	81 m²	No	Yes	1
BG04	3 BEDROOM	124 m²	Yes	Yes	1
BG05	2 BEDROOM	77 m²	Yes	No	1
BG06	3 BEDROOM	145 m²	Yes	Yes	2
BG07	3 BEDROOM	145 m²	Yes	Yes	2
BG08	2 BEDROOM	120 m²	Yes	Yes	2
C101	2 BEDROOM	95 m²	Yes	No	1
C102	2 BEDROOM	81 m²	No	Yes	1
C103	2 BEDROOM	81 m²	No	Yes	1
C104	3 BEDROOM	122 m²	Yes	Yes	1
C105	2 BEDROOM	77 m²	Yes	No	1
C201	2 BEDROOM	77 m²	Yes	No	1
C202	2 BEDROOM	81 m²	No	Yes	1
C203	2 BEDROOM	81 m²	Yes	Yes	1
C204	STUDIO	62 m²	No	No	1
C205	2 BEDROOM	81 m²	Yes	Yes	2
C206	2 BEDROOM	81 m²	Yes	Yes	2
C207	2 BEDROOM	81 m²	Yes	Yes	2
C208	2 BEDROOM	81 m²	Yes	Yes	2
C209	2 BEDROOM	81 m²	Yes	Yes	2
C210	2 BEDROOM	75 m²	Yes	Yes	1
C211	2 BEDROOM	75 m²	Yes	No	1
C212	2 BEDROOM	75 m²	Yes	No	1
C213	2 BEDROOM	77 m²	Yes	No	1
C301	2 BEDROOM	95 m²	Yes	No	1
C302	2 BEDROOM	81 m²	No	Yes	1
C303	2 BEDROOM	81 m²	Yes	Yes	1
C304	3 BEDROOM	120 m²	Yes	Yes	1
C305	2 BEDROOM	77 m²	Yes	No	1
C401	2 BEDROOM	77 m²	Yes	Yes	1
C402	2 BEDROOM	81 m²	No	Yes	1
C403	2 BEDROOM	81 m²	Yes	Yes	1
C404	1 BEDROOM	51 m²	Yes	No	1
C405	2 BEDROOM	70 m²	Yes	Yes	1
C501	2 BEDROOM	88 m²	Yes	Yes	1
C502	2 BEDROOM	81 m²	No	Yes	1
C503	2 BEDROOM	81 m²	Yes	Yes	1
C504	1 BEDROOM	51 m²	Yes	No	1
C505	2 BEDROOM	77 m²	Yes	Yes	1
C601	2 BEDROOM	95 m²	Yes	Yes	1
C602	1 BEDROOM	51 m²	Yes	Yes	1
C603	2 BEDROOM	77 m²	Yes	Yes	1
C701	2 BEDROOM	95 m²	Yes	Yes	1
C702	1 BEDROOM	51 m²	Yes	Yes	1
C703	2 BEDROOM	70 m²	Yes	Yes	1
CG01	2 BEDROOM	95 m²	Yes	No	1
CG02	2 BEDROOM	81 m²	No	Yes	1
CG03	1 BEDROOM	50 m²	No	Yes	1
CG04	1 BEDROOM	66 m²	Yes	Yes	1
CG05	3 BEDROOM	146 m²	Yes	Yes	2
CG06	3 BEDROOM	146 m²	Yes	Yes	2
CG07	3 BEDROOM	146 m²	Yes	Yes	2
CG08	3 BEDROOM	146 m²	Yes	Yes	2

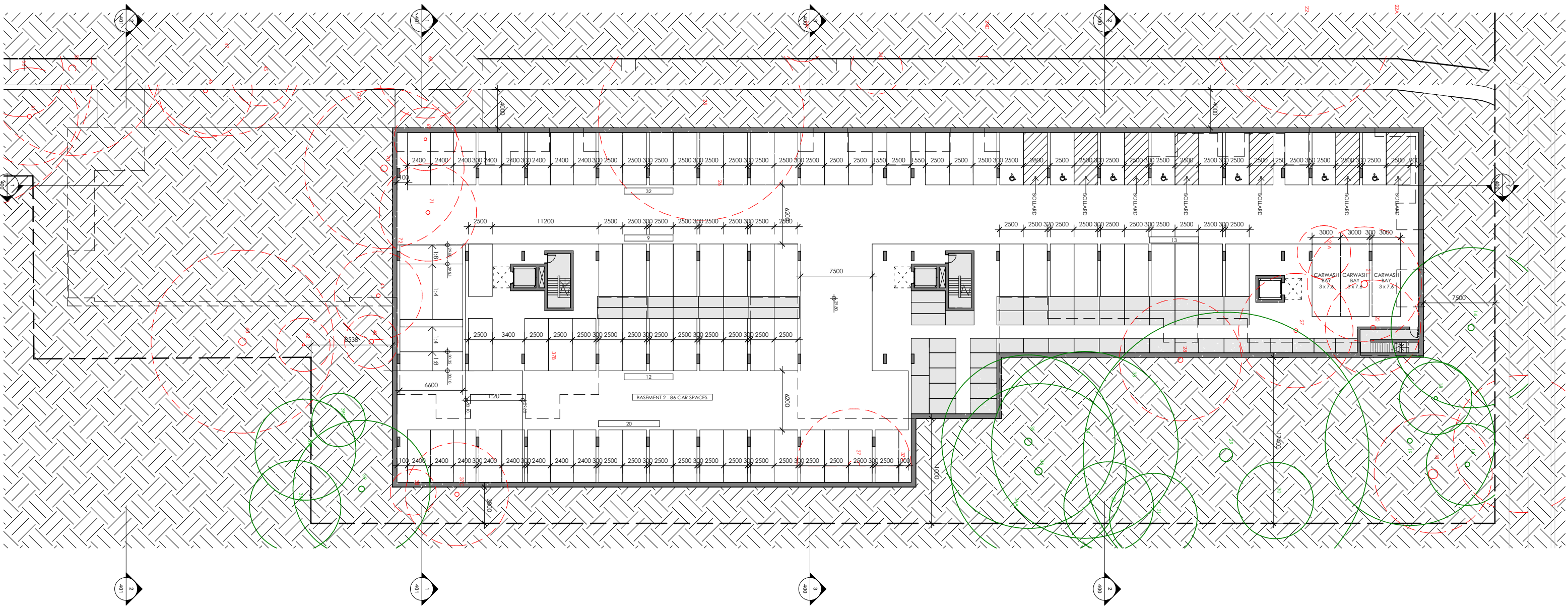
131	26 x 1 BEDROOM 85 x 2 BEDROOM 19 x 3 BEDROOM 1 x 4 BEDROOM	98/131 74.81%	89/131 67.94%
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CLIENT	Caringbah NSW Pty Ltd	DATE	31/03/2017	SCALE	
PROJECT	113 Willarong Road CARINGBAH 2229	DRAWN	PV	CHECKED	NN
TITLE	SITE INFO / UNIT COMPOSITION			DWG No	101



PARKING SCHEDULE	
PARKING TYPE	COUNT
CARWASH BAY	3
RESIDENTIAL	200
VISITOR PARKING	34

237



ISSUE	DATE	DESCRIPTION
D	31/03/2017	COUNCIL AMENDMENTS
C	09/02/2017	COUNCIL AMENDMENTS
B	29/09/2016	COUNCIL AMENDMENTS
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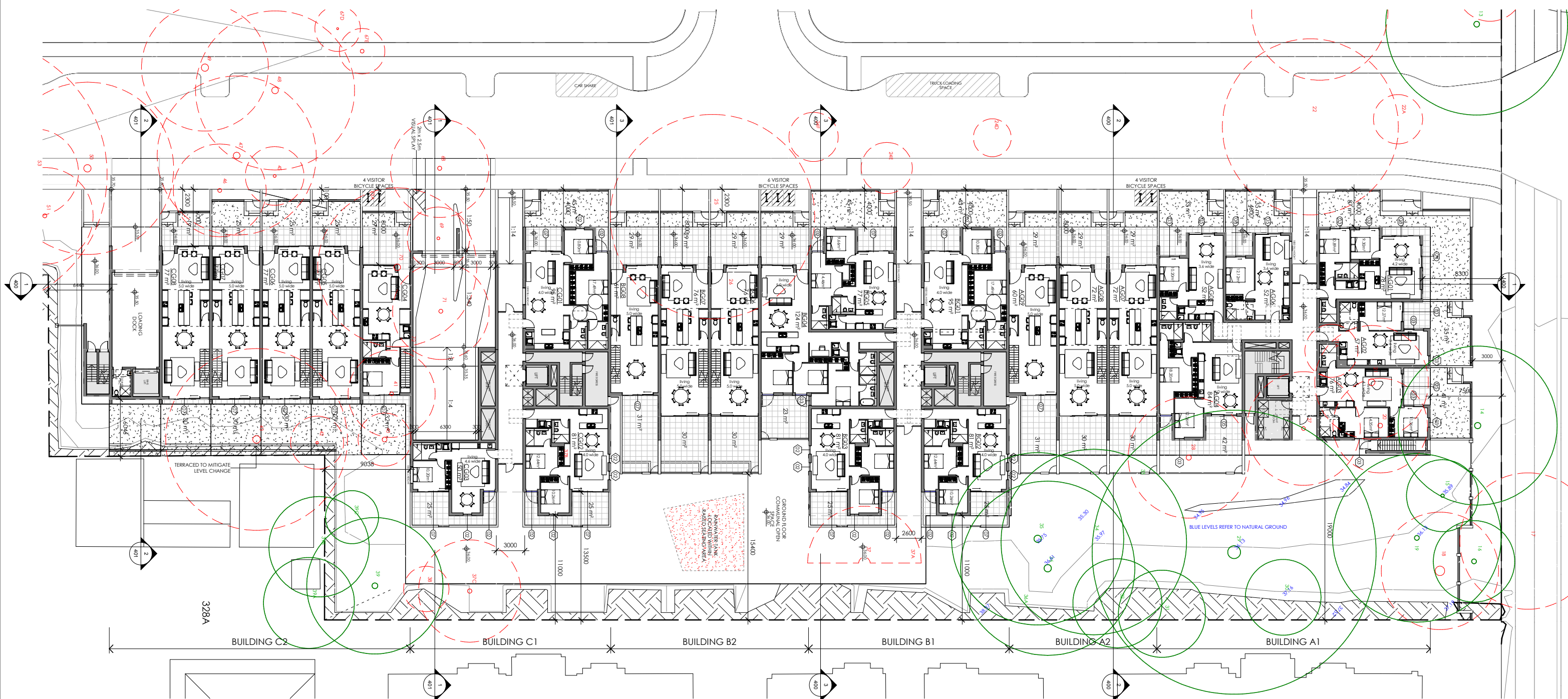
HIGHFIELD			
CLIENT	Caringbah NSW Pty Ltd	DATE	31/03/2017
PROJECT	113 Willarong Road CARINGBAH 2229	SCALE	A1:1:200 A3:1:400
TITLE	BASEMENT 2 PLAN	DRAWN	PV
		CHECKED	NN
		DWG No	DA16/0388
			201
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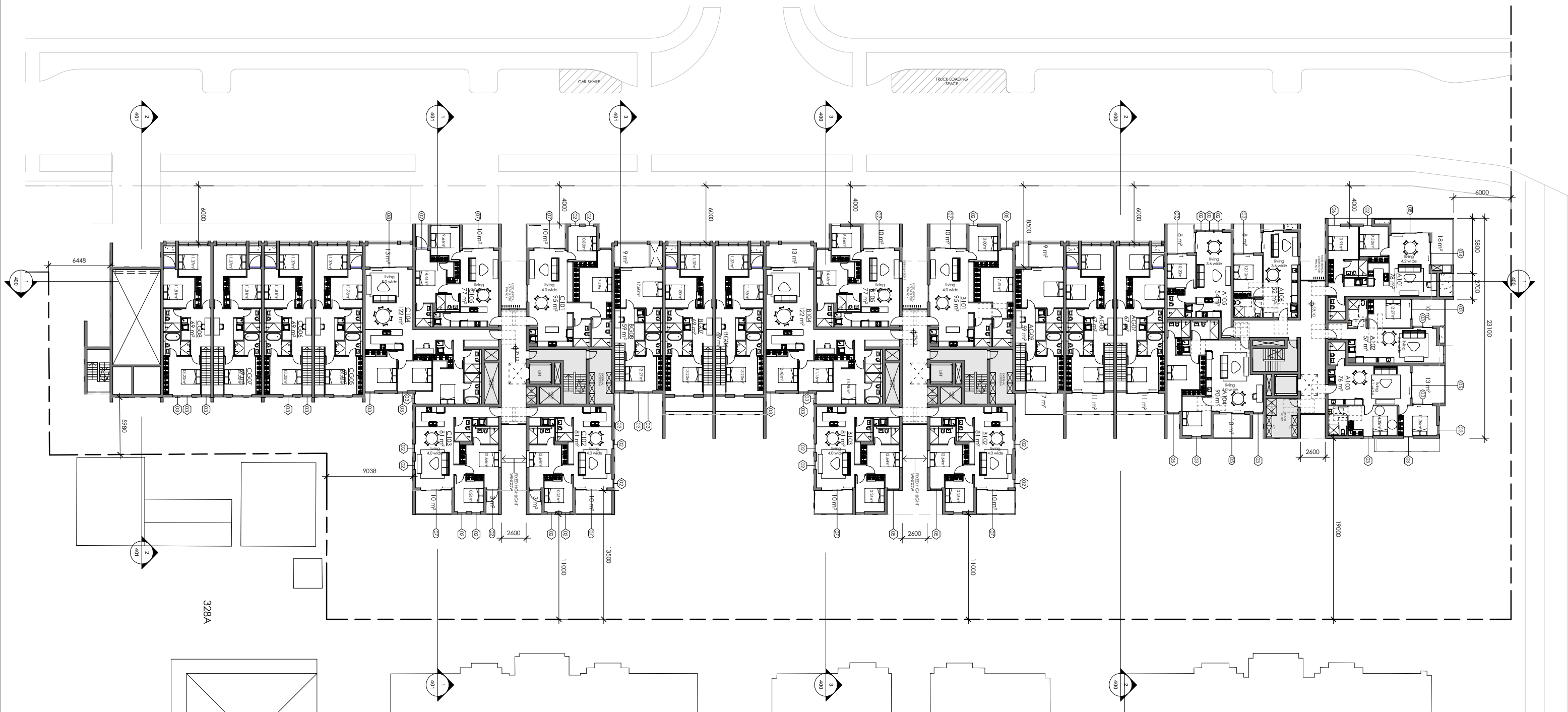
ISSUE	DATE	DESCRIPTION
D	31/03/2017	COUNCIL AMENDMENTS
C	09/02/2017	COUNCIL AMENDMENTS
B	29/09/2016	COUNCIL AMENDMENTS
A	04/04/2016	DA LODGEMENT



HIGHFIELD			
CLIENT	Caringbah NSW Pty Ltd	DATE	31/03/2017
PROJECT	113 Willarong Road CARINGBAH 2229	SCALE	A1:1 : 200 A3:1 : 400
TITLE	BASEMENT 1 PLAN	DRAWN	PV
		CHECKED	NN
		DWG No	DA16/0388
			202
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TREE IDENTIFICATION				
Tree Number	TPZ Area	TPZ Affection	Percentage Affected	Type
14	221.67 m ²	26.054 m ²	11.75%	L. confertus
19	248.85 m ²	0.355 m ²	0.14%	C. citriodora
29	705.86 m ²	71.908 m ²	10.19%	E. microcorys
34	301.72 m ²	2.889 m ²	9.57%	E. microcorys
35	260.16 m ²	25.601 m ²	9.84%	C. citriodora
36	265.90 m ²	5.670 m ²	3.42%	E. microcorys
39	162.86 m ²	17.493 m ²	10.74%	L. confertus



LEVEL 1 FLOOR PLAN

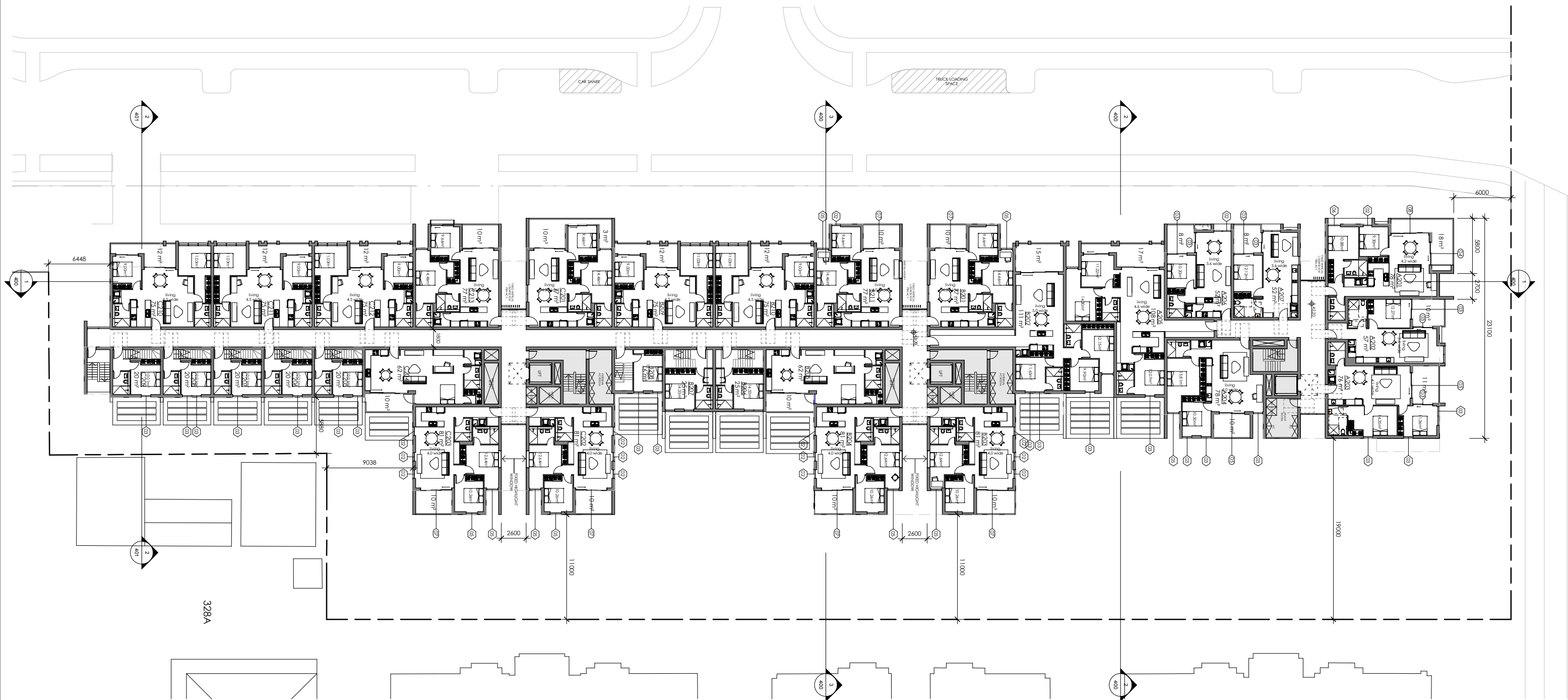
SSPP (Sydney South) Business Paper Appendices (23 May 2017) (2016SYE051) (DA16/0388)

ISSUE	DATE	DESCRIPTION
D	31/03/2017	COUNCIL AMENDMENTS
C	09/02/2017	COUNCIL AMENDMENTS
B	29/09/2016	COUNCIL AMENDMENTS
A	04/04/2016	DA LODGEMENT



HIGHFIELD			
CLIENT	Caringbah NSW Pty Ltd	DATE	31/03/2017
PROJECT	113 Willarong Road CARINGBAH 2229	DRAWN	PV
TITLE	LEVEL 1 FLOOR PLAN	DWG No	DA16/0388
		CHECKED	NN
		SCALE	A1:1:200
		AS1:400	204

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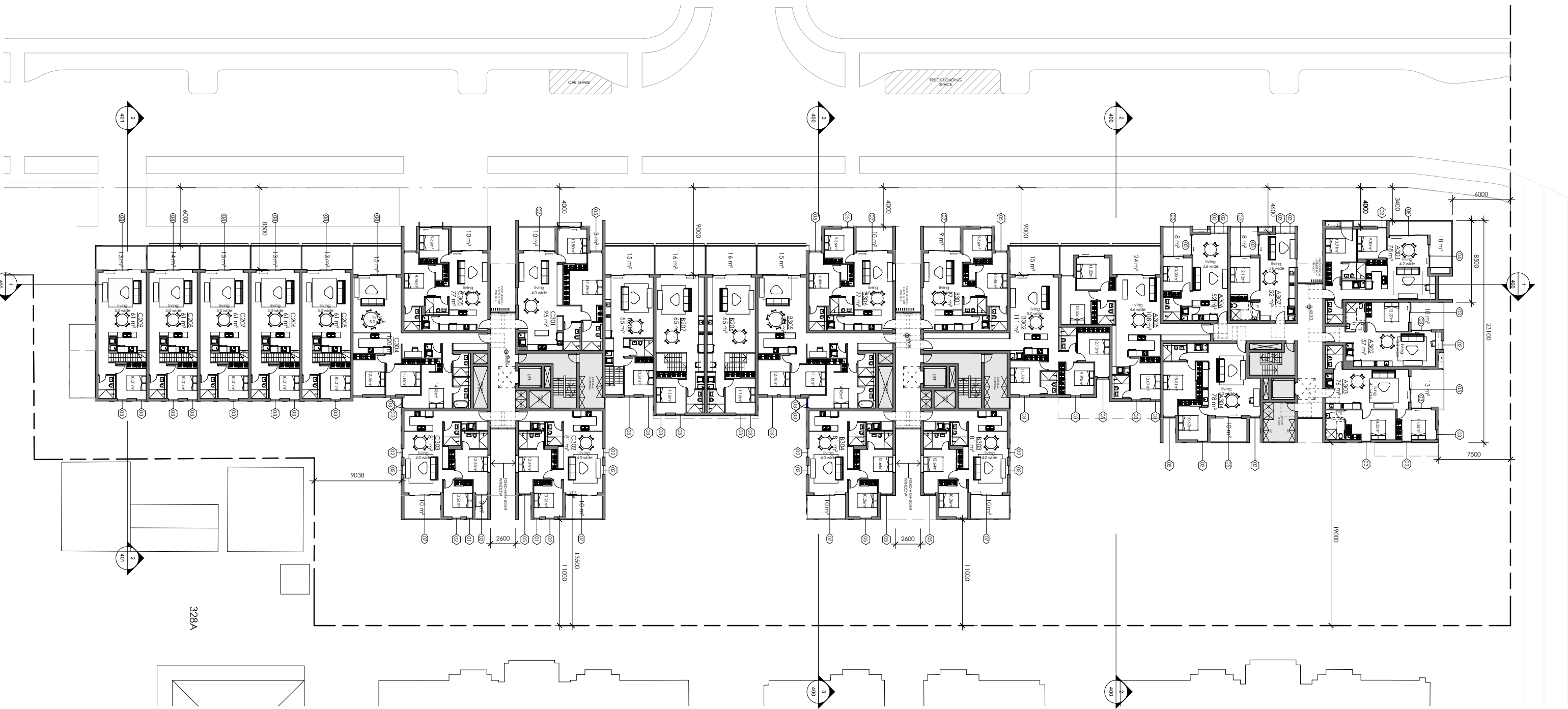
LEVEL 2 FLOOR PLAN

SSPP (Sydney South) Business Paper Appendices (23 May 2017) (2016SYE051) (DA16/0388)

ISSUE	DATE	DESCRIPTION
D	31/03/2017	COUNCIL AMENDMENTS
C	09/02/2017	COUNCIL AMENDMENTS
B	29/09/2016	COUNCIL AMENDMENTS
A	04/04/2016	DA LODGEMENT



HIGHFIELD			
CLIENT	Caringbah NSW Pty Ltd	DATE	31/03/2017
PROJECT	113 Willarong Road CARINGBAH 2229	SCALE	A1:1:200
TITLE	LEVEL 2 FLOOR PLAN	DRAWN	PV
		CHECKED	NN
		DWG No	DA16/0388
			205
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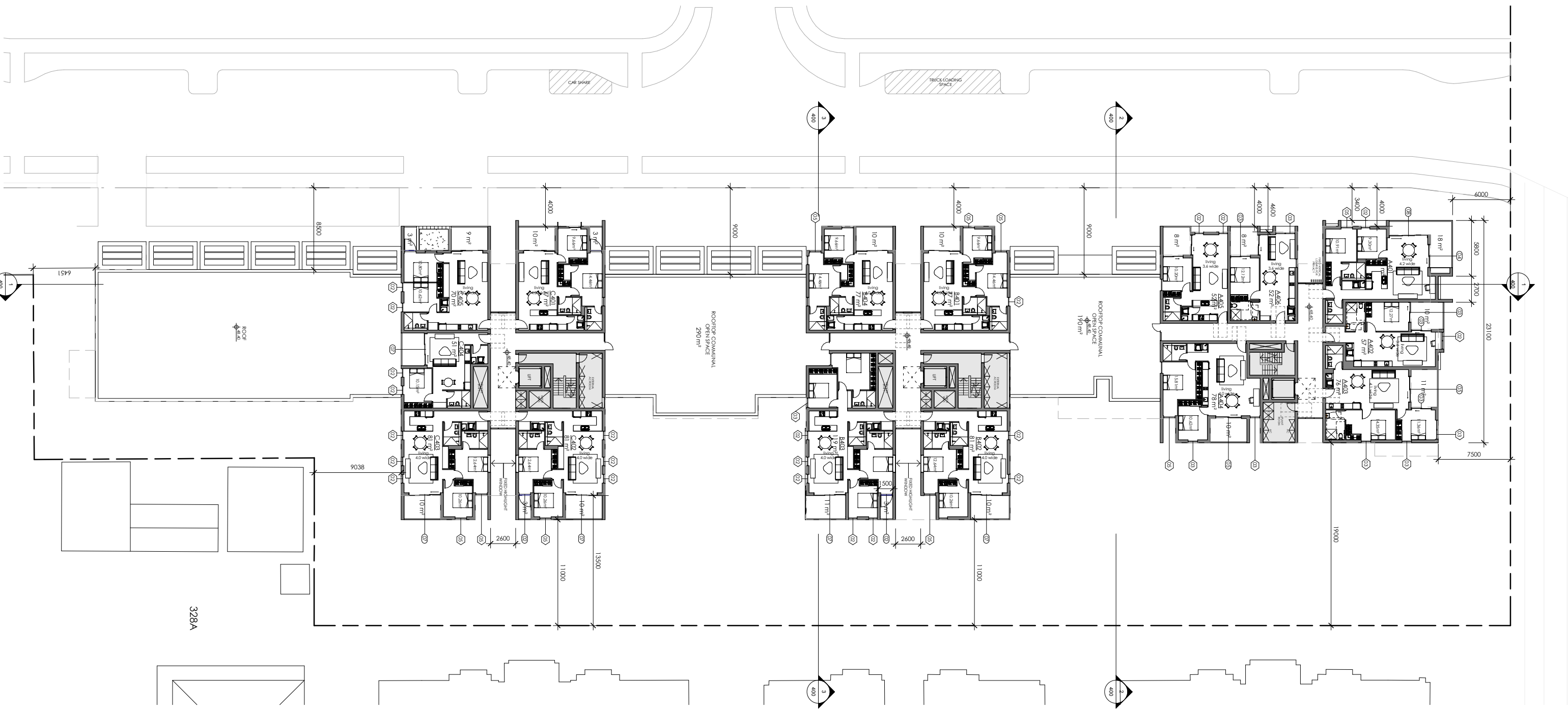
LEVEL 3 FLOOR PLAN

328A

ISSUE	DATE	DESCRIPTION
D	31/03/2017	COUNCIL AMENDMENTS
C	09/02/2017	COUNCIL AMENDMENTS
B	29/09/2016	COUNCIL AMENDMENTS
A	04/04/2016	DA LAYOUT



HIGHFIELD			
CLIENT	Caringbah NSW Pty Ltd	DATE	31/03/2017
PROJECT	113 Willarong Road CARINGBAH 2229	SCALE	A1:1:200
TITLE	LEVEL 3 FLOOR PLAN	DRAWN	PV
		CHECKED	NN
		DWG No	DA16/0388
			206
DO NOT SCALE. USE FIGURED DIMENSIONS IN PREFERENCE TO SCALED. CHECK ALL DIMENSIONS BEFORE FABRICATION.			
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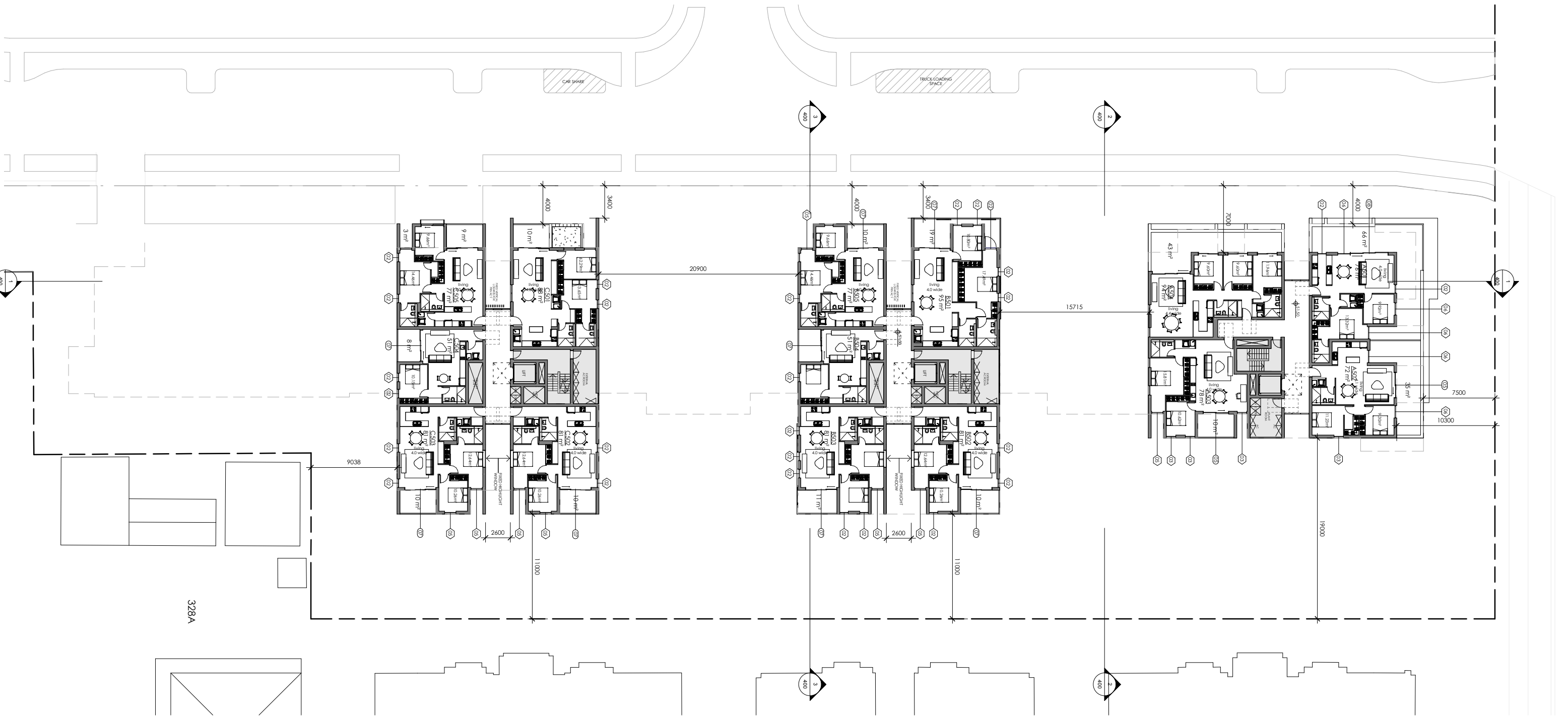
LEVEL 4 FLOOR PLAN

SSPP (Sydney South) Business Paper Appendices (23 May 2017) (2016SYE051) (DA16/0388)

ISSUE	DATE	DESCRIPTION
D	31/03/2017	COUNCIL AMENDMENTS
C	09/02/2017	COUNCIL AMENDMENTS
B	29/09/2016	COUNCIL AMENDMENTS
A	04/04/2016	DA LODGEMENT



HIGHFIELD			
CLIENT	Caringbah NSW Pty Ltd	DATE	31/03/2017
PROJECT	113 Willarong Road CARINGBAH 2229	SCALE	A1:1 : 200 A3:1 : 400
TITLE	LEVEL 4 FLOOR PLAN	DRAWN	PV
		CHECKED	NN
		DWG No	DA16/0388
			207
DO NOT SCALE. USE FIGURED DIMENSIONS IN PREFERENCE TO SCALED. CHECK ALL DIMENSIONS AND LOCATIONS BEFORE FABRICATION.			
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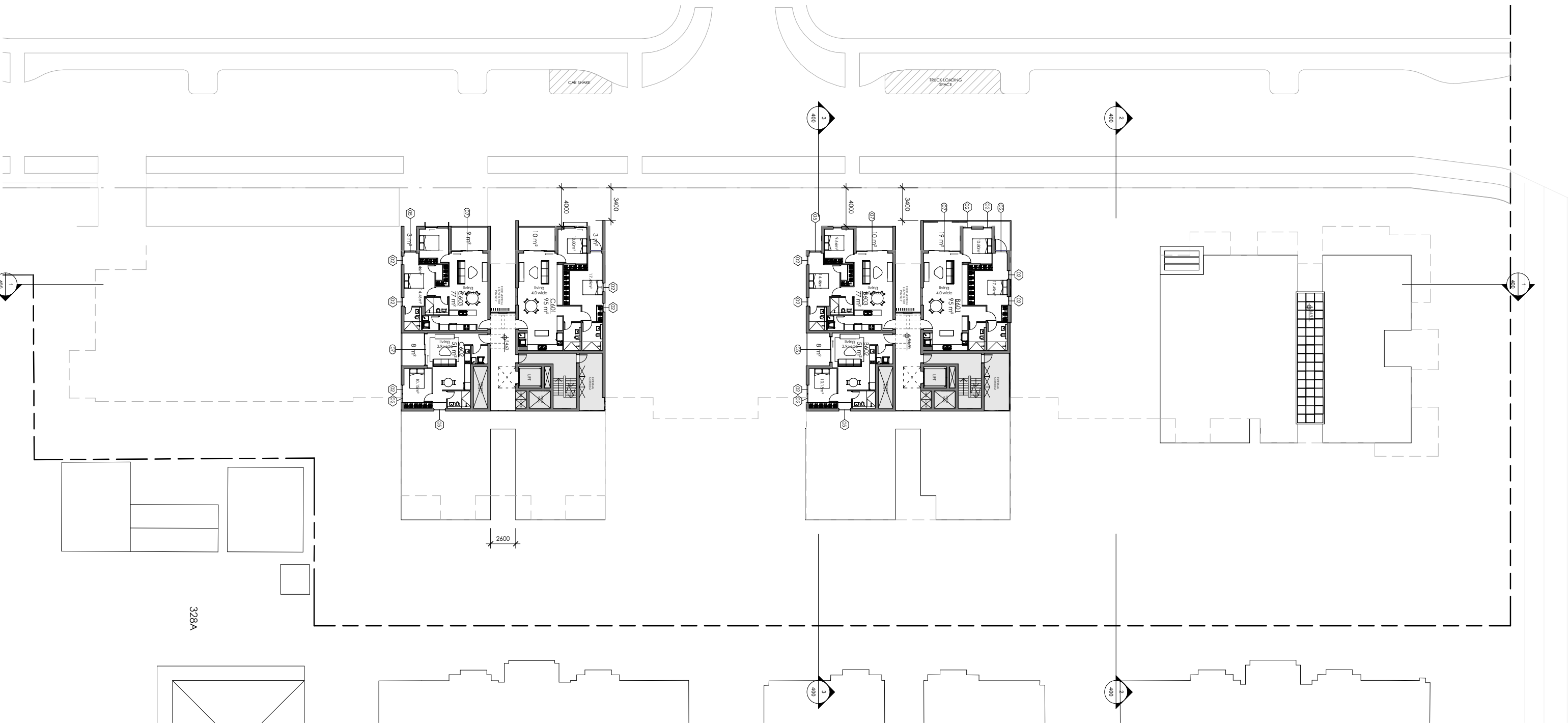


ISSUE	DATE	DESCRIPTION
D	31/03/2017	COUNCIL AMENDMENTS
C	09/02/2017	COUNCIL AMENDMENTS
B	29/09/2016	COUNCIL AMENDMENTS
A	04/04/2016	DA LODGEMENT

TIER
ARCHITECTS

PHONE: 02 9871 8881 | ADDRESS: 4 RICHMOND STREET SYDNEY NSW 2011

HIGHFIELD			
CLIENT	Caringbah NSW Pty Ltd	DATE	31/03/2017
PROJECT	113 Willarong Road CARINGBAH 2229	SCALE	A1 1:200 A3 1:400
TITLE	LEVEL 5 FLOOR PLAN	DRAWN	PV
		CHECKED	NN
		DWG No	DA16/0388
			208
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LEVEL 6 FLOOR PLAN

SSPP (Sydney South) Business Paper Appendices (23 May 2017) (2016SYE051) (DA16/0388)

ISSUE	DATE	DESCRIPTION
D	31/03/2017	COUNCIL AMENDMENTS
C	09/02/2017	COUNCIL AMENDMENTS
B	29/09/2016	COUNCIL AMENDMENTS
A	04/04/2016	DA LODGEMENT

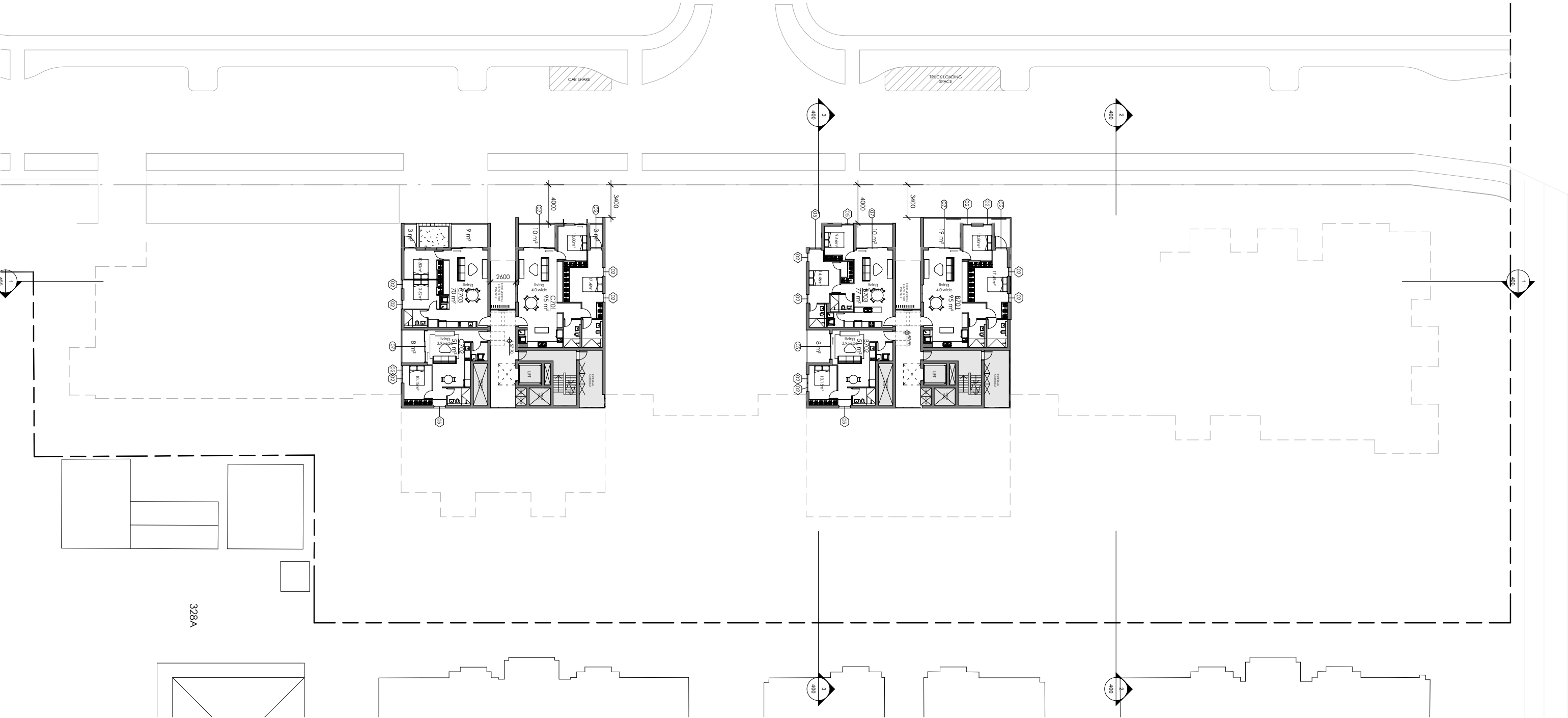
TIER
ARCHITECTS

PHONE: 02 9871 8881 | ADDRESS: 4 ECHINOPSY STREET OFFSHORE PARKS

HIGHFIELD			
CLIENT	Caringbah NSW Pty Ltd	DATE	31/03/2017
PROJECT	113 Willarong Road CARINGBAH 2229	DRAWN	PV
TITLE	LEVEL 6 FLOOR PLAN	DWG No	DA16/0388
		CHECKED	NN
		SCALE	A1:1:200
		AS1:1:400	
		209	

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LEVEL 7 FLOOR PLAN

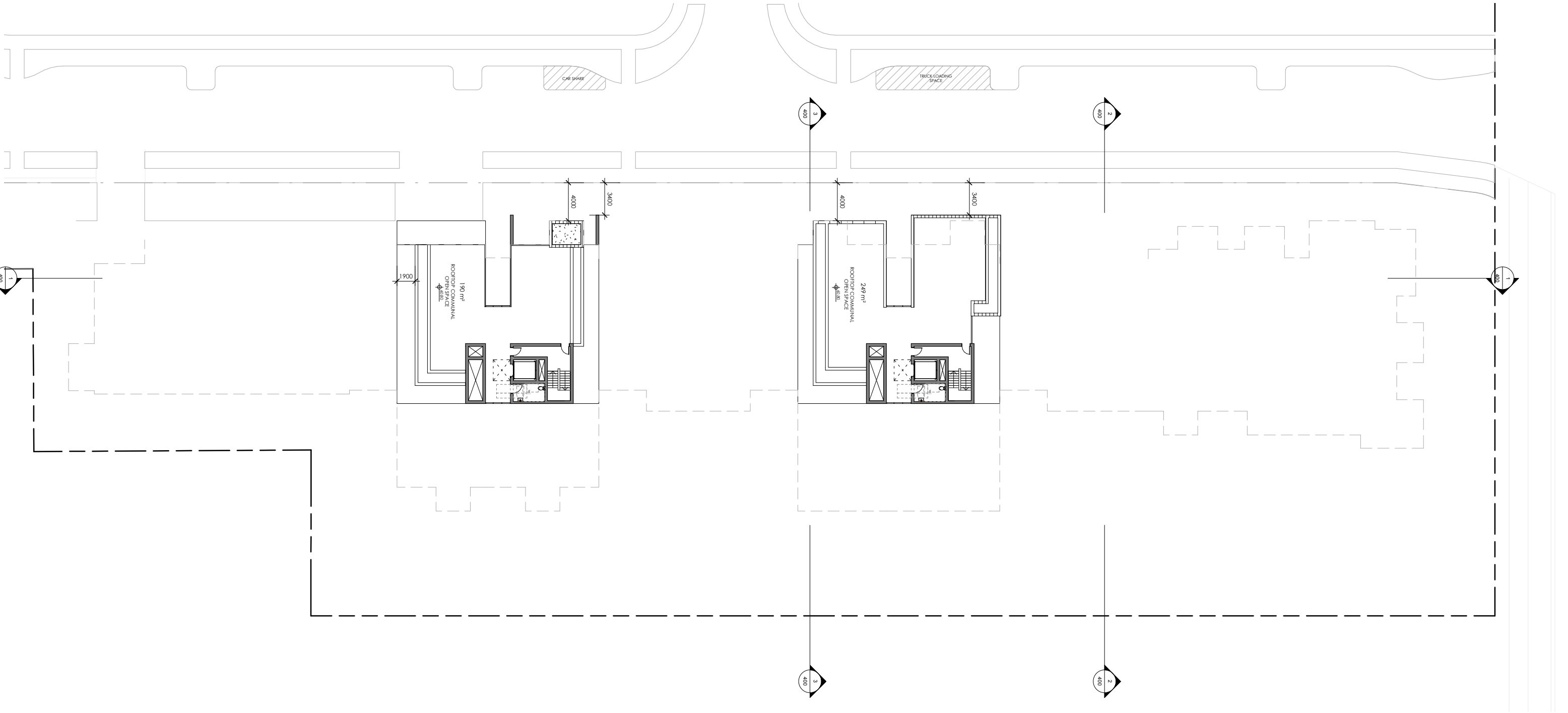
SSPP (Sydney South) Business Paper Appendices (23 May 2017) (2016SYE051) (DA16/0388)

ISSUE	DATE	DESCRIPTION
D	31/03/2017	COUNCIL AMENDMENTS
C	09/02/2017	COUNCIL AMENDMENTS
B	29/09/2016	COUNCIL AMENDMENTS
A	04/04/2016	DA LODGEMENT

TIER
ARCHITECTS

PHONE: 02 9571 8881 | ADDRESS: 4 ECHINOPSY STREET OFFSHORE PARKS

HIGHFIELD			
CLIENT	Caringbah NSW Pty Ltd	DATE	31/03/2017
PROJECT	113 Willarong Road CARINGBAH 2229	DRAWN	PV
TITLE	LEVEL 7 FLOOR PLAN	DWG No	DA16/0388
DO NOT SCALE. USE FIGURED DIMENSIONS IN PREFERENCE TO SCALED. CHECK ALL DIMENSIONS BEFORE FABRICATION.		CHECKED	NN
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		CHECKED	NN
		DATE	31/03/2017
		SCALE	A1:1 : 200 A3:1 : 400



ISSUE	DATE	DESCRIPTION
D	31/03/2017	COUNCIL AMENDMENTS
C	09/02/2017	COUNCIL AMENDMENTS
B	29/09/2016	COUNCIL AMENDMENTS
A	04/04/2016	DA LODGEMENT



HIGHFIELD			
CLIENT	Caringbah NSW Pty Ltd	DATE	31/03/2017
PROJECT	113 Willarong Road CARINGBAH 2229	DRAWN	PV
TITLE	LEVEL 8 FLOOR PLAN	CHECKED	NN
		DWG No	DA16/0388
			211
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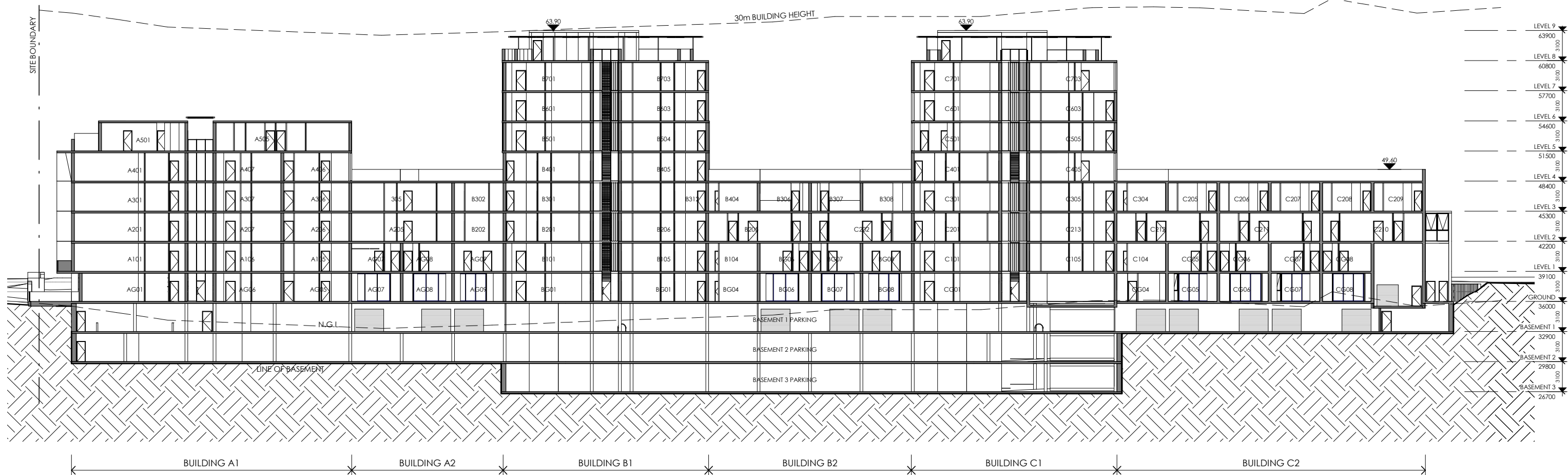
135 WILLARONG ROAD
3 STOREY RESIDENTIAL FLAT BUILDING
1 STAGE 1 - EAST ELEVATION / STREETSCAPE
1 : 400



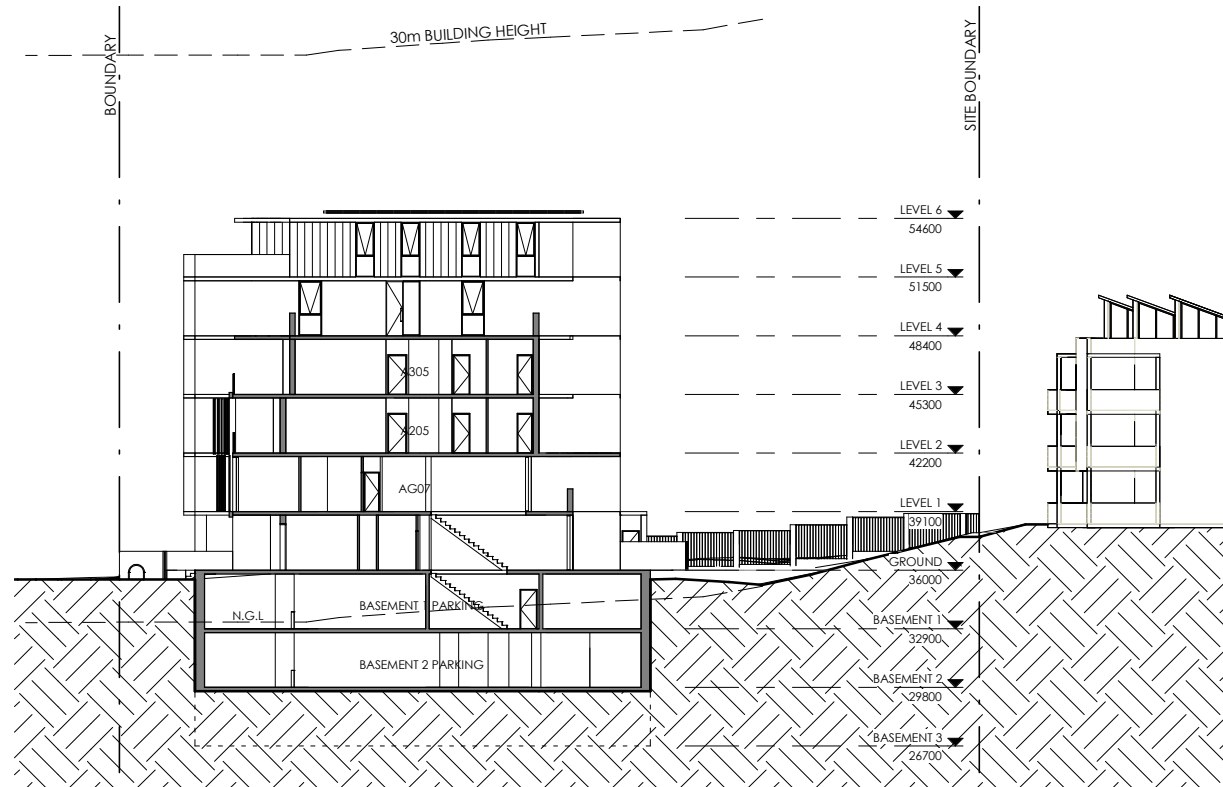
2 STAGE 1 - WEST ELEVATION
1 : 400



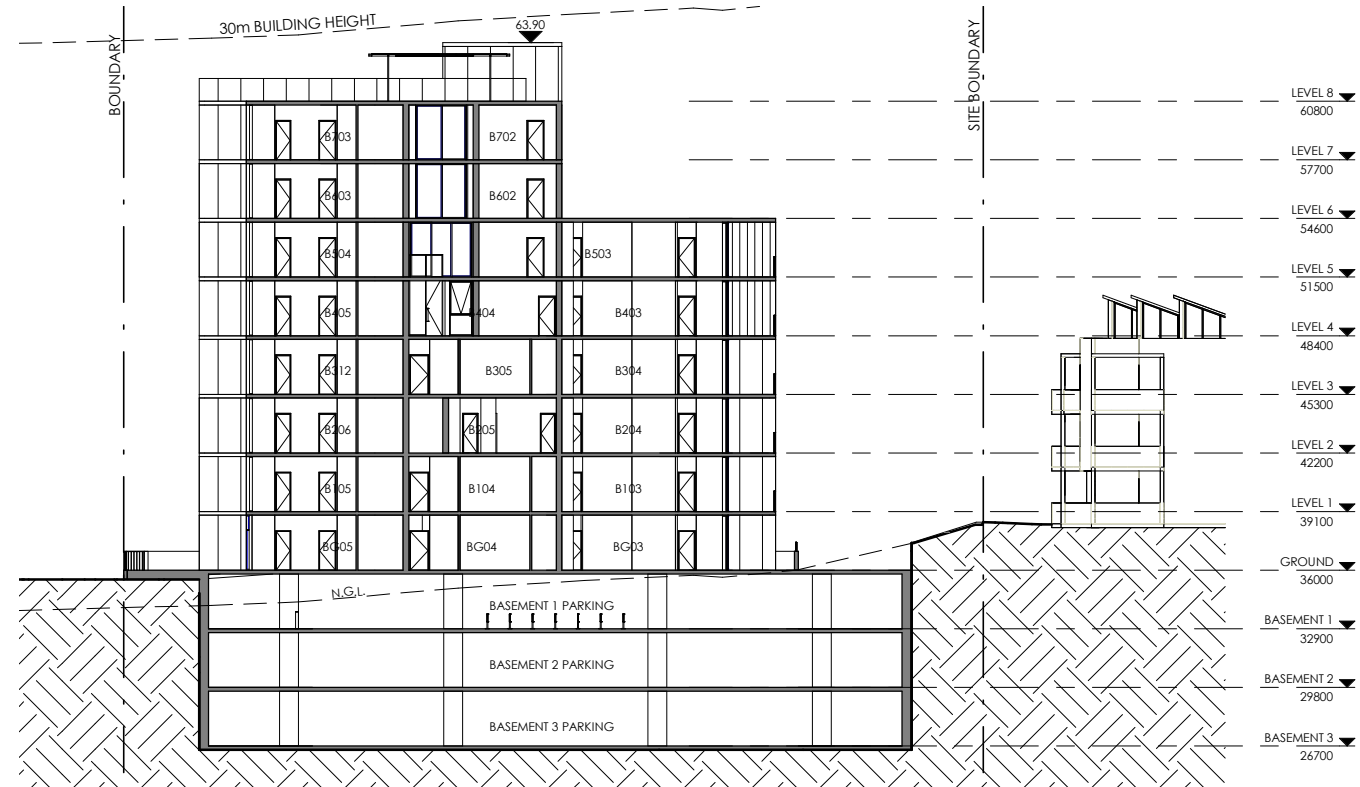
3 STAGE 1 - SOUTH ELEVATION
1 : 400



SECTION AA
1 : 400

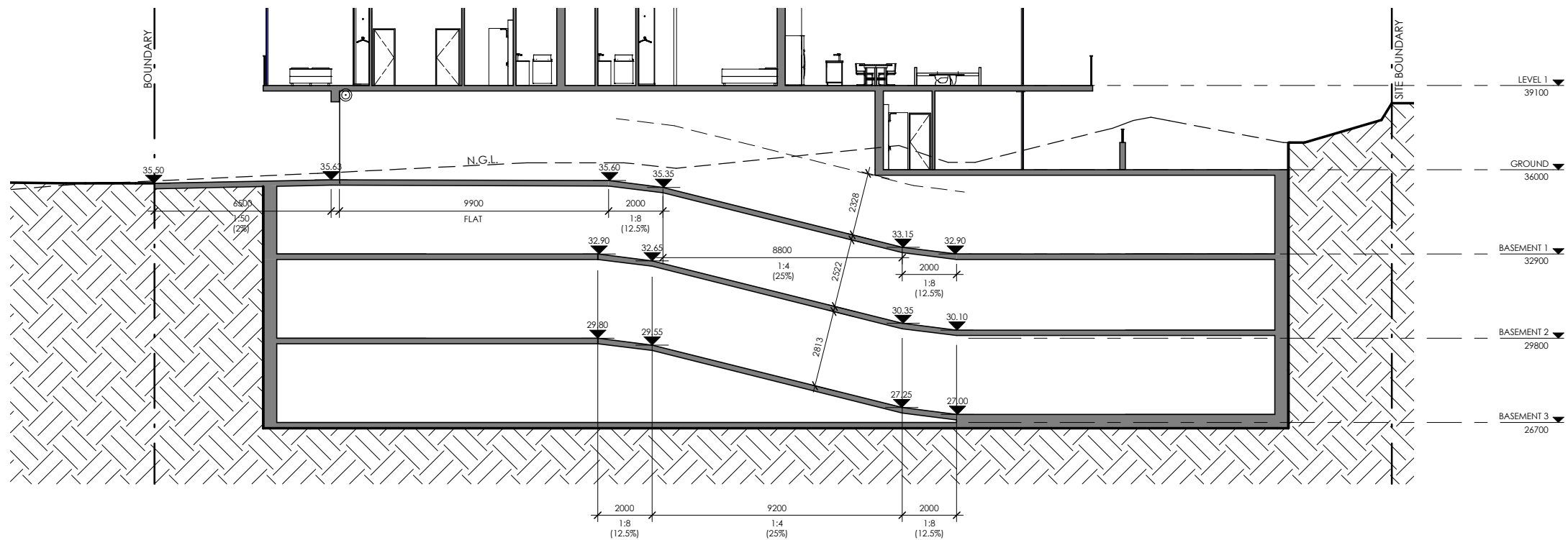


SECTION BB
1 : 400



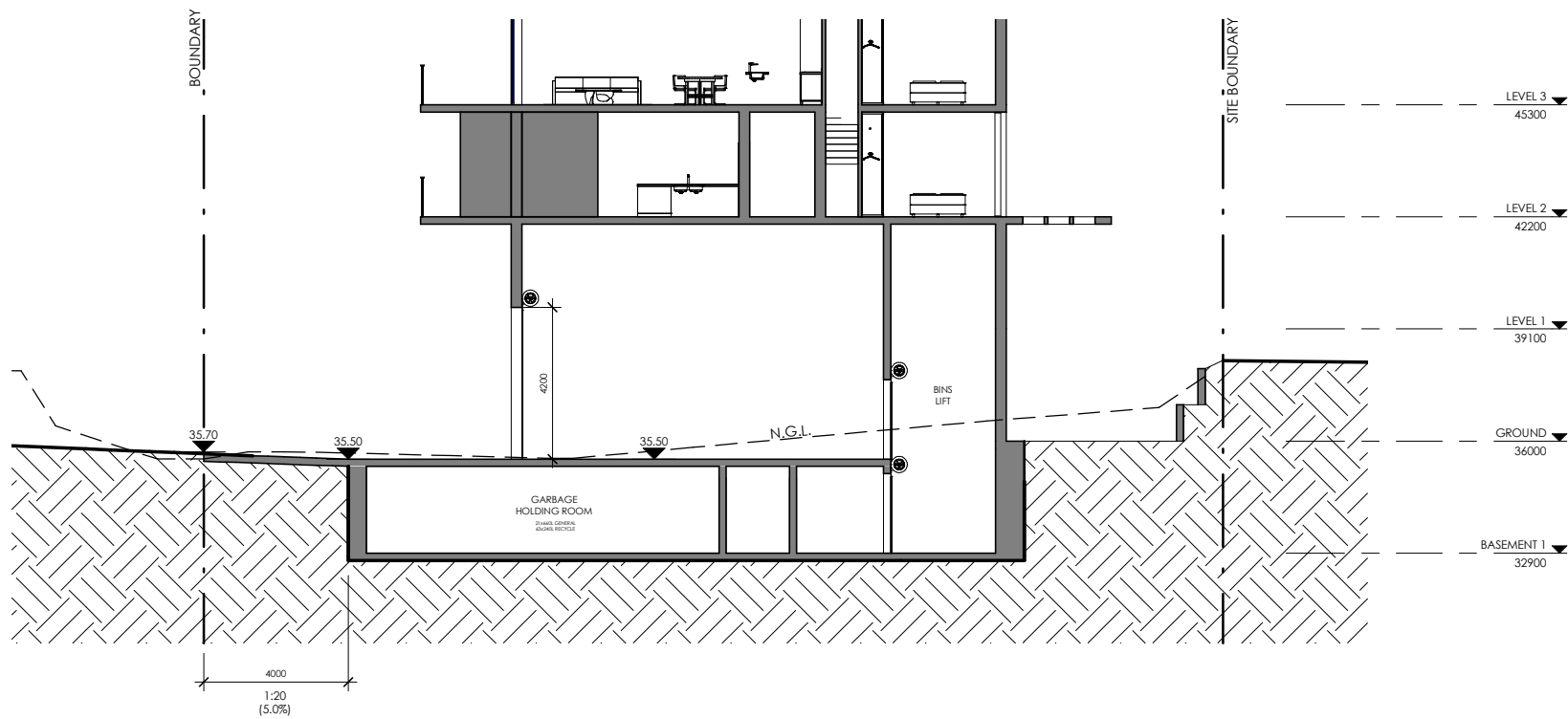
SECTION CC
1 : 400





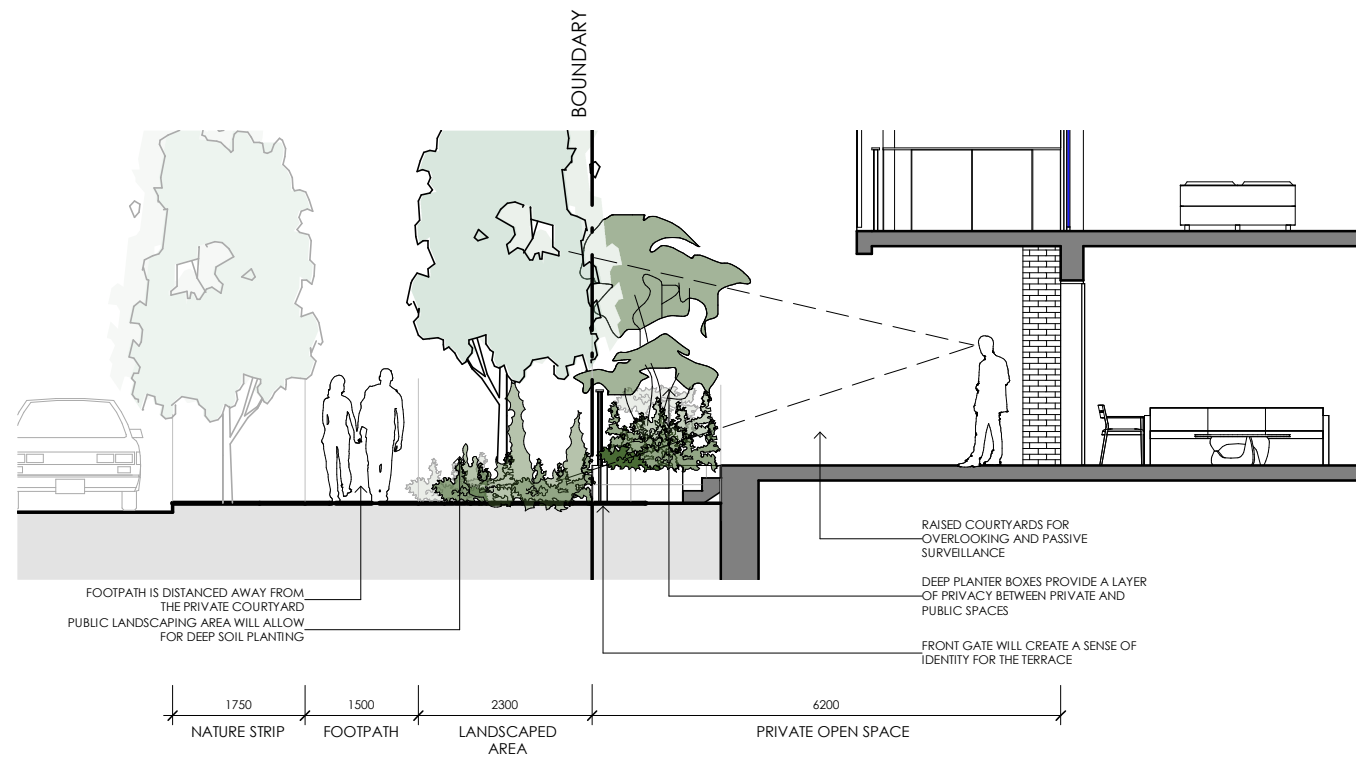
SECTION DD - VEHICULAR ENTRY

1 : 200



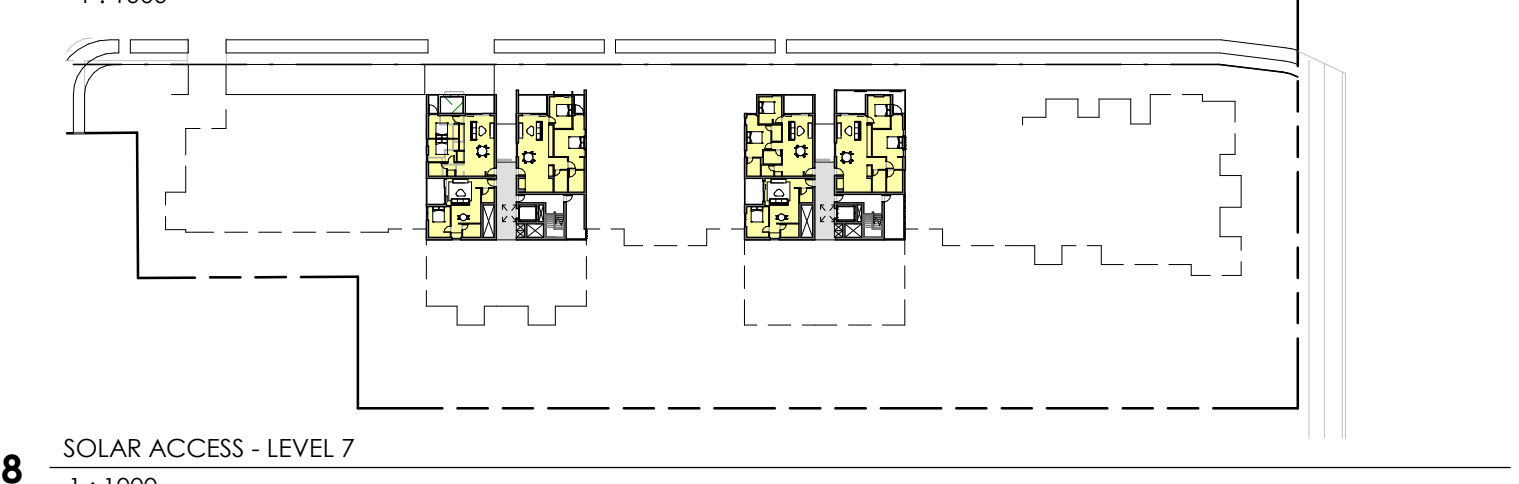
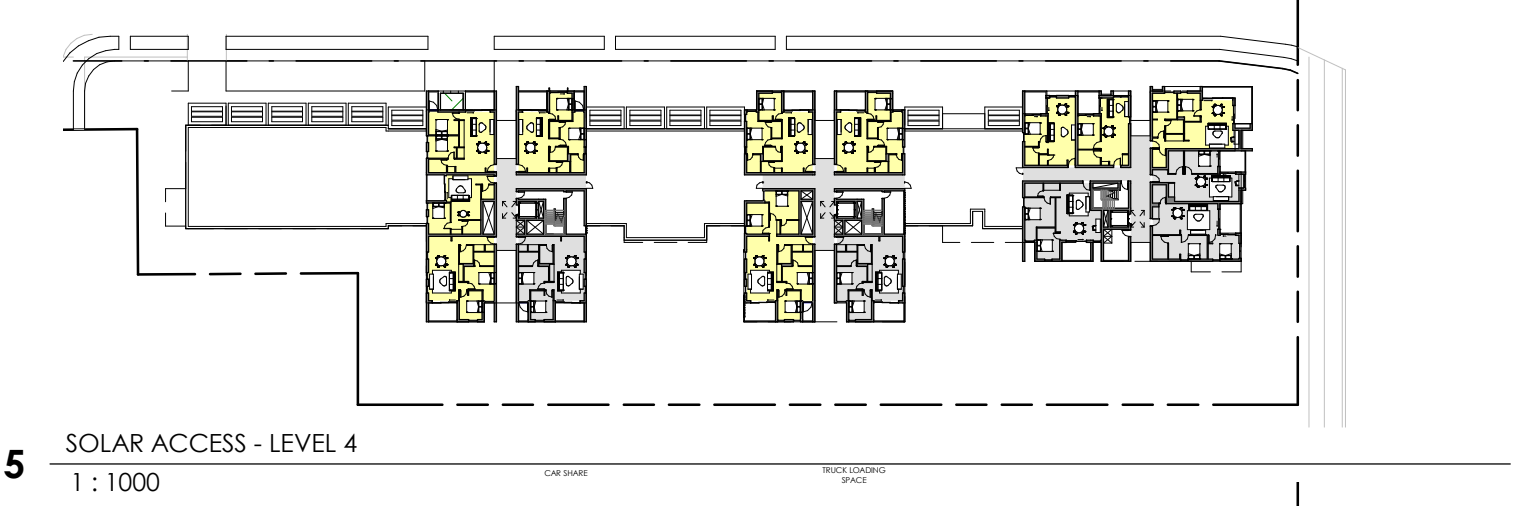
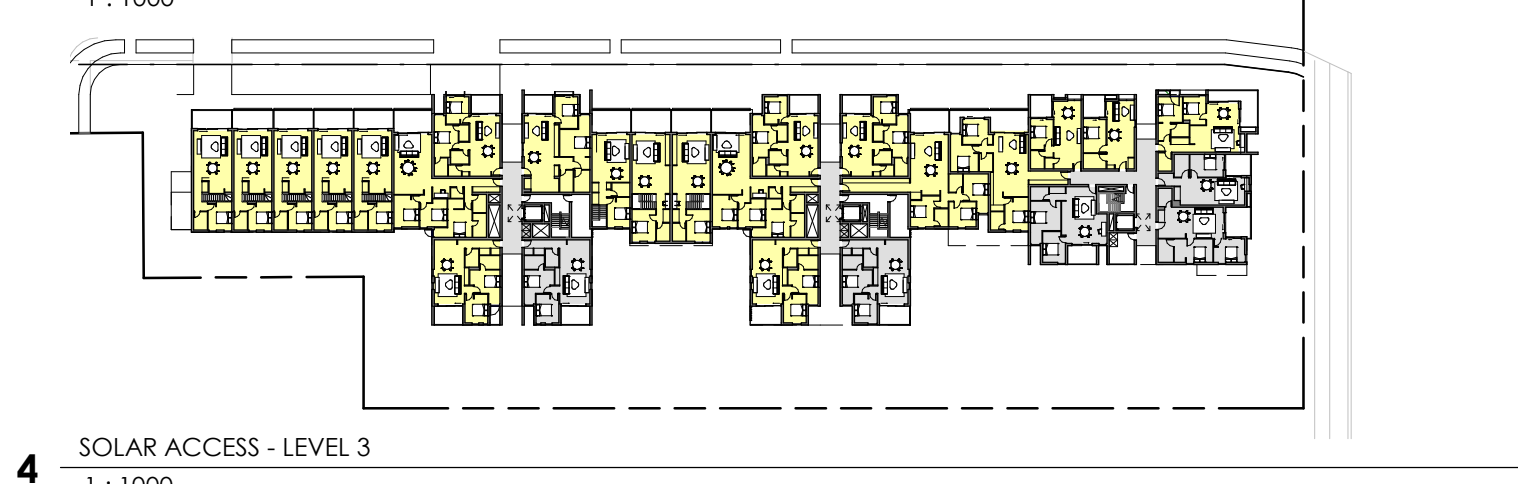
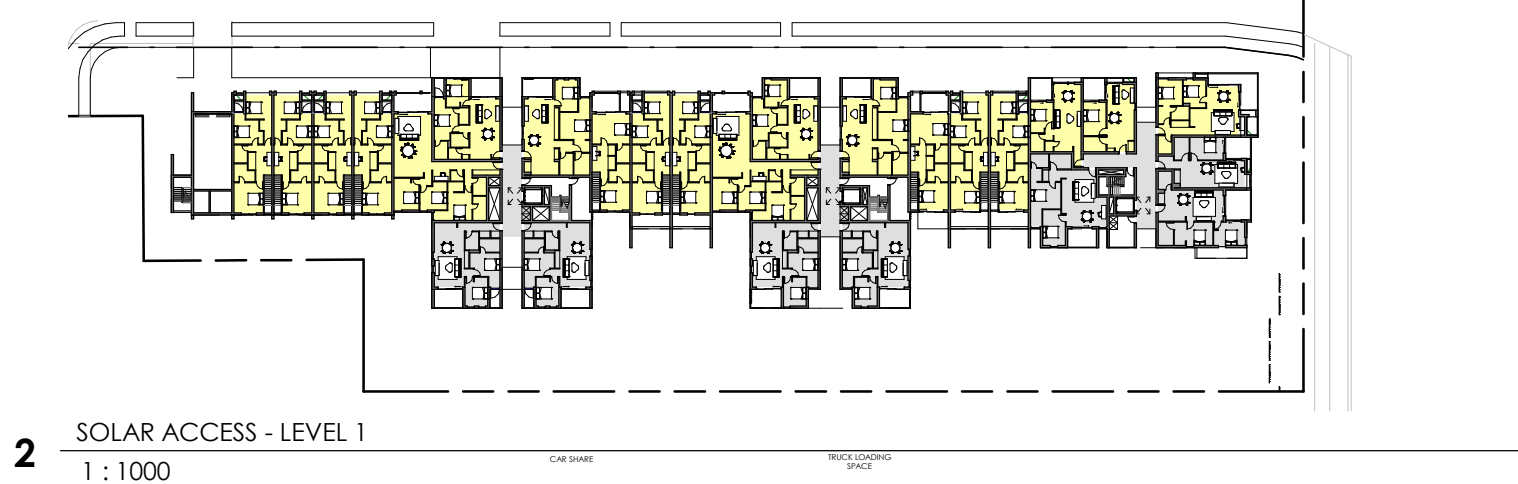
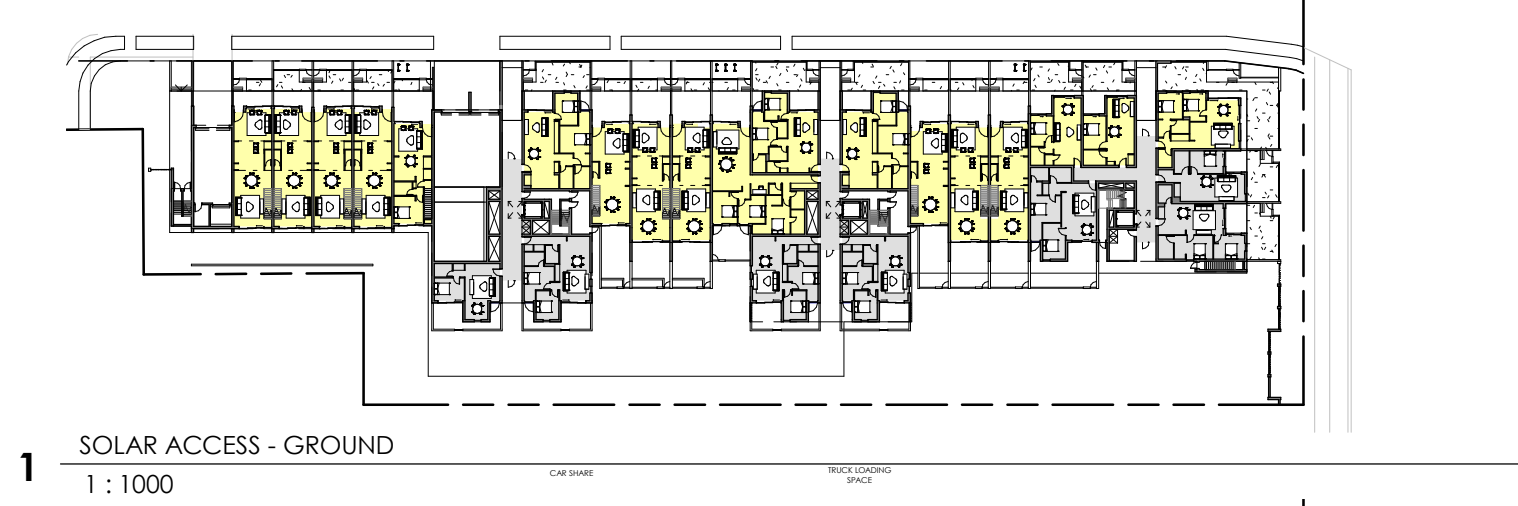
SECTION EE - GARBAGE LOADING BAY

1 : 200



SECTION FF - DETAILED STREET SETBACK

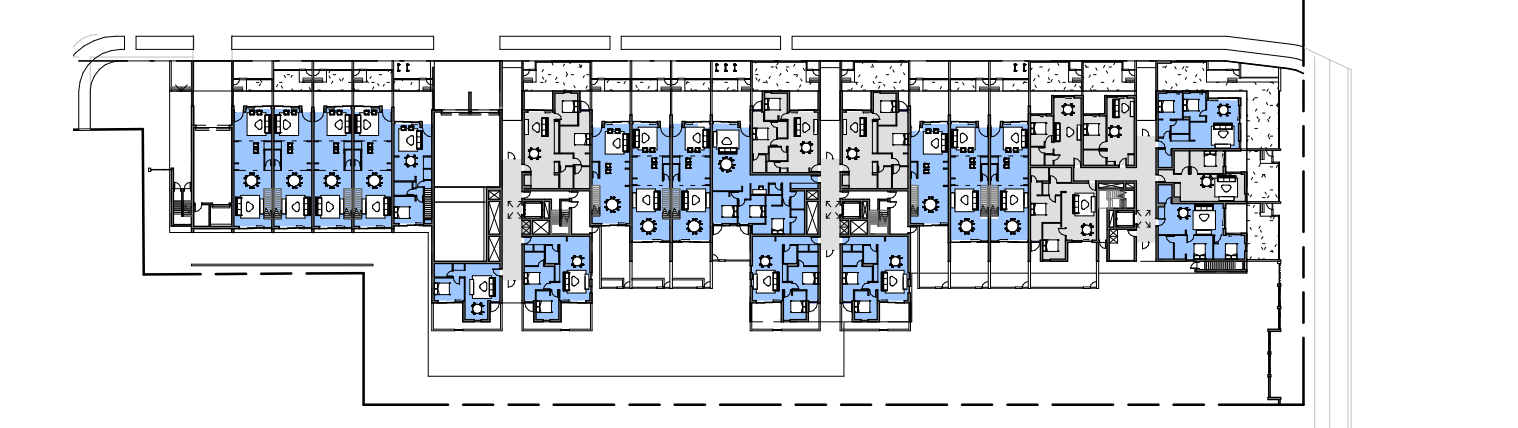
1 : 100



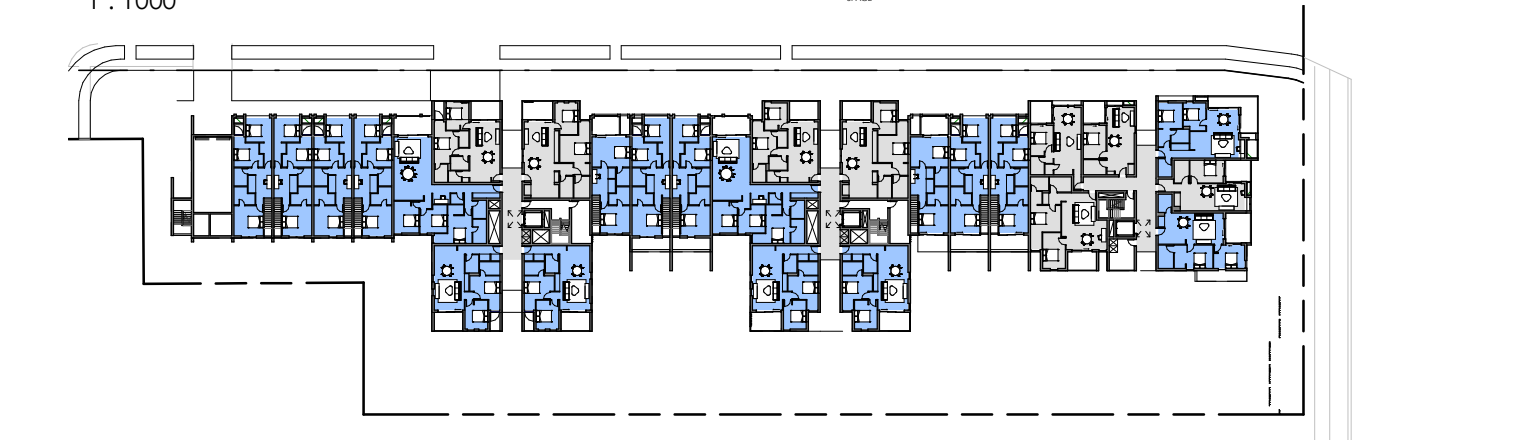
ISSUE	DATE	DESCRIPTION
D	31/03/2017	COUNCIL AMENDMENTS
C	09/02/2017	COUNCIL AMENDMENTS
B	29/09/2016	COUNCIL AMENDMENTS
A	04/04/2016	DA LODGEMENT



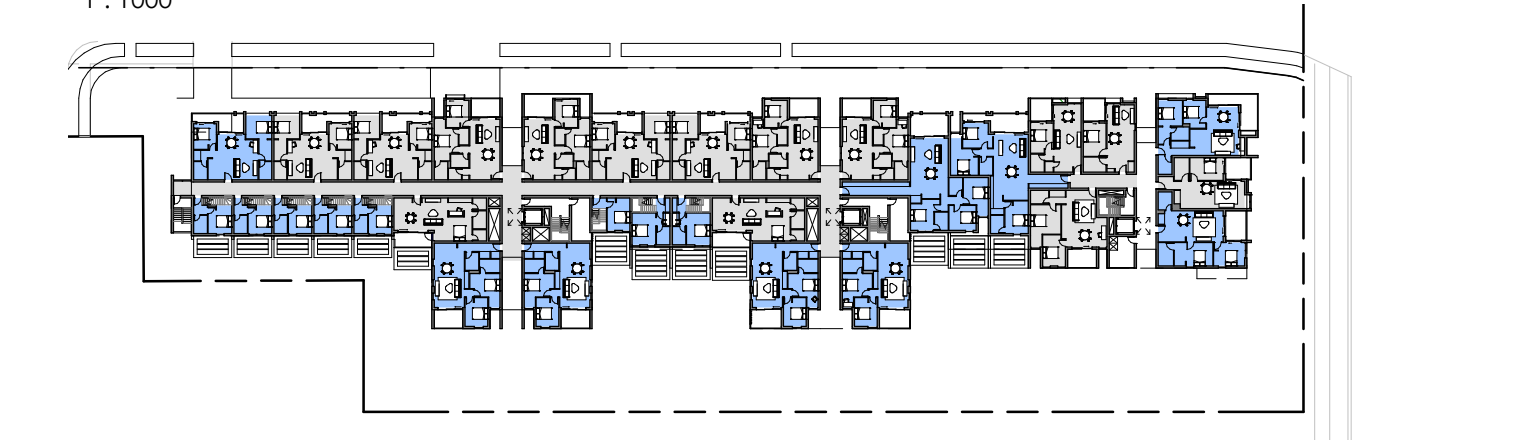
HIGHFIELD			
CLIENT	Caringbah NSW Pty Ltd	DATE	31/03/2017
PROJECT	113 Willarong Road CARINGBAH 2229	DRAWN	PV
TITLE	SOLAR ACCESS	CHECKED	NN
		DWG No	DA16/0388
		SCALE	500
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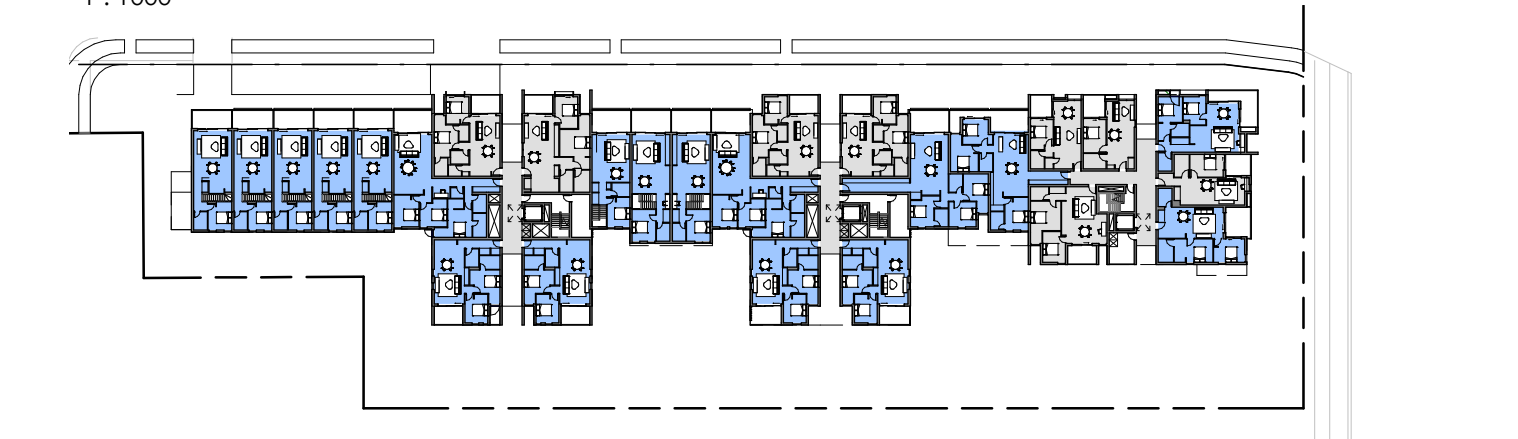
1 VENTILATION - GROUND
1 : 1000



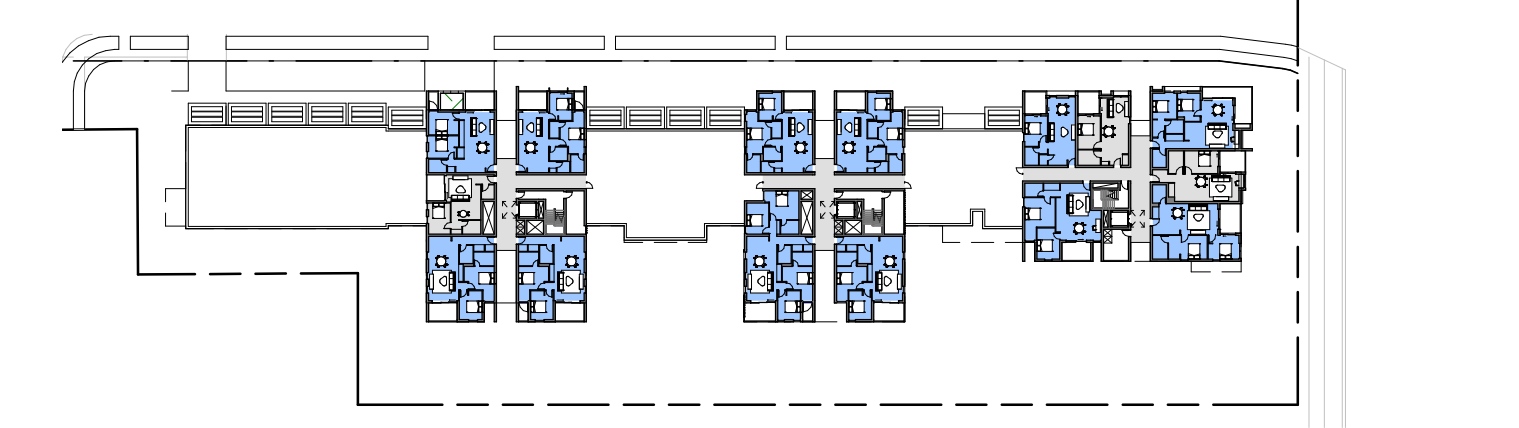
2 VENTILATION - LEVEL 1
1 : 1000



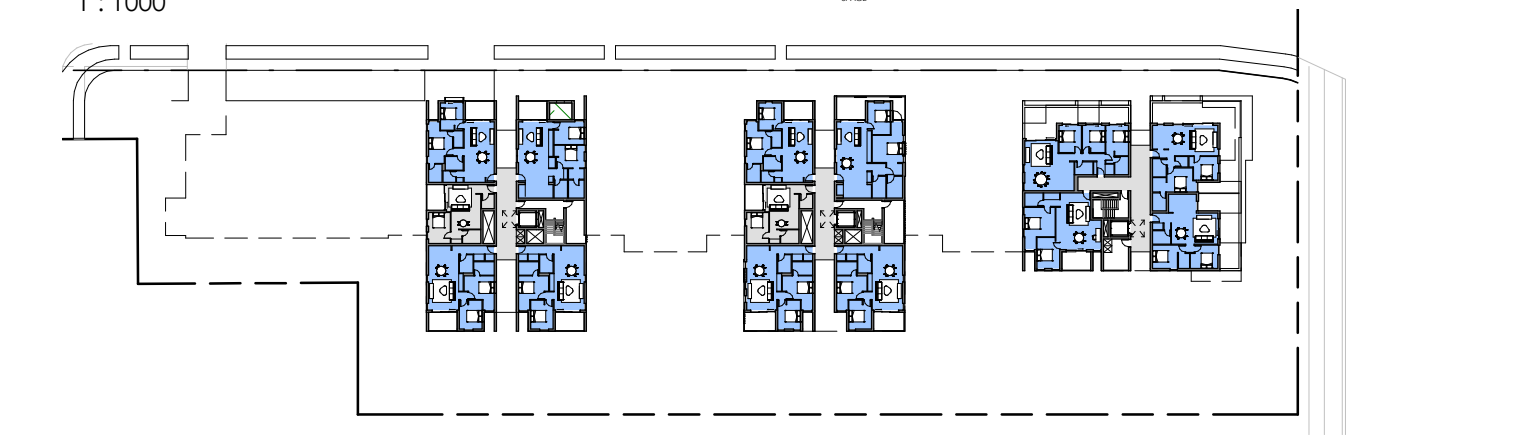
3 VENTILATION - LEVEL 2
1 : 1000



4 VENTILATION - LEVEL 3
1 : 1000



5 VENTILATION - LEVEL 4
1 : 1000



6 VENTILATION - LEVEL 5
1 : 1000



7 VENTILATION - LEVEL 6
1 : 1000

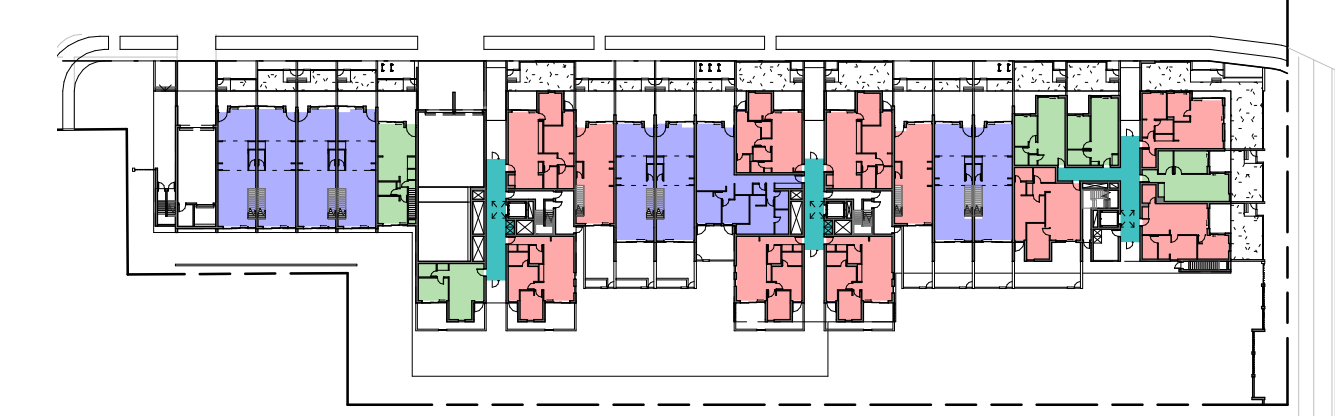


8 VENTILATION - LEVEL 7
1 : 1000

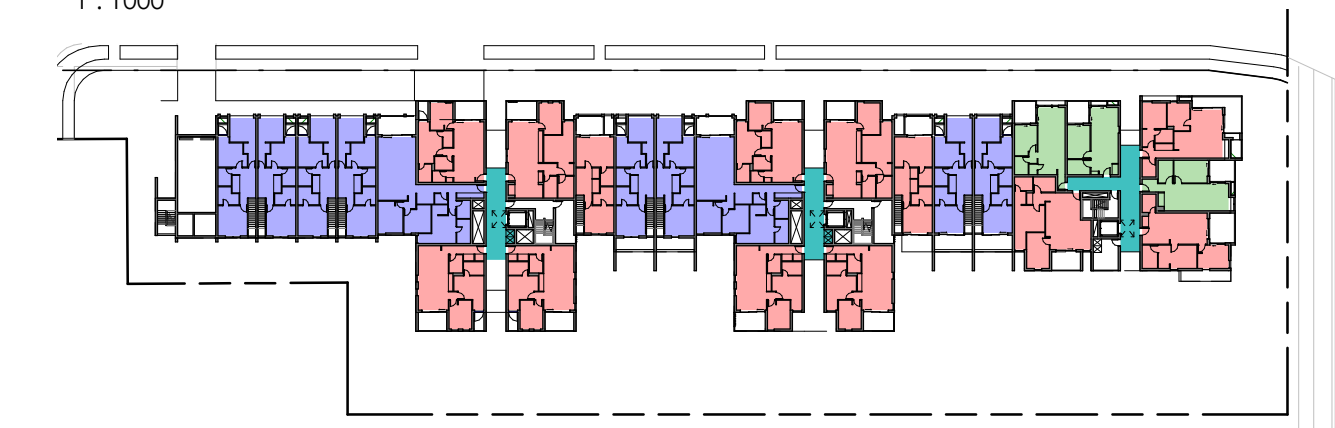
CROSS VENTILATION		
ISSUE	DATE	DESCRIPTION
D	31/03/2017	COUNCIL AMENDMENTS
C	09/02/2017	COUNCIL AMENDMENTS
B	29/09/2016	COUNCIL AMENDMENTS
A	04/04/2016	DA LODGEMENT



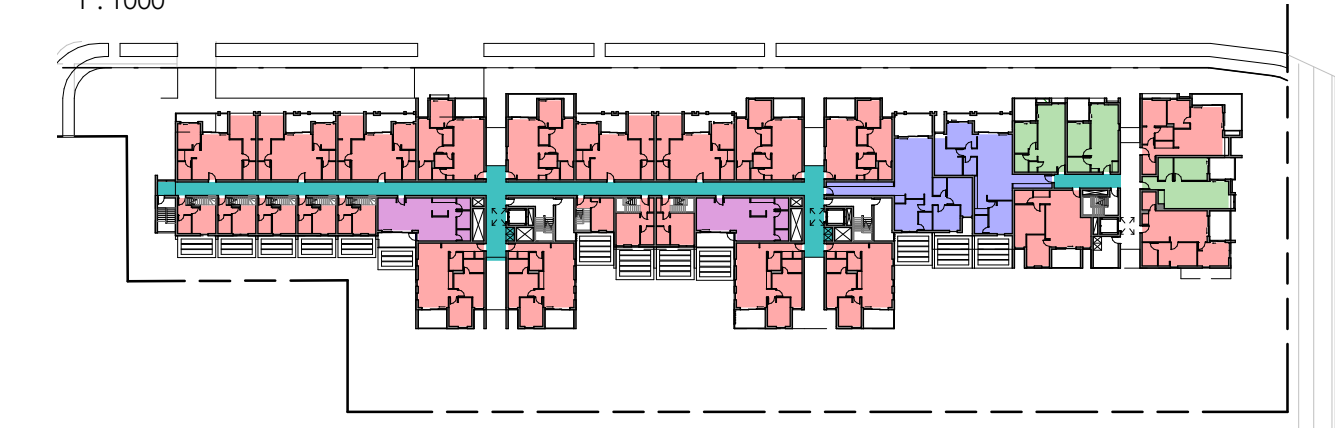
HIGHFIELD			
CLIENT	Caringbah NSW Pty Ltd	DATE	31/03/2017
PROJECT	113 Willarong Road CARINGBAH 2229	SCALE	A3% indicated
TITLE	CROSS VENTILATION	DRAWN	PV
		CHECKED	NN
		DWG No	DA16/0388
			501
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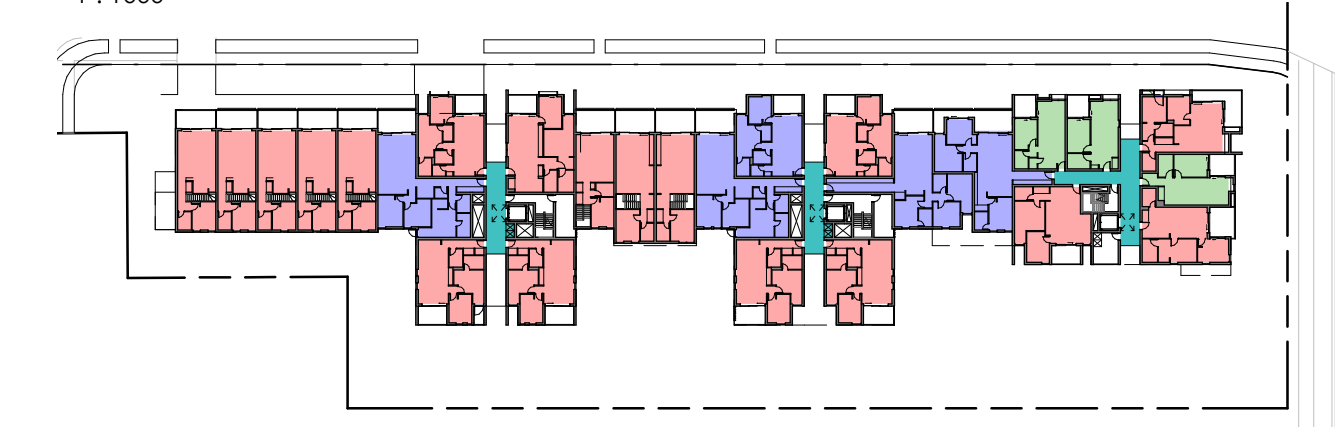
1 GROUND
1 : 1000



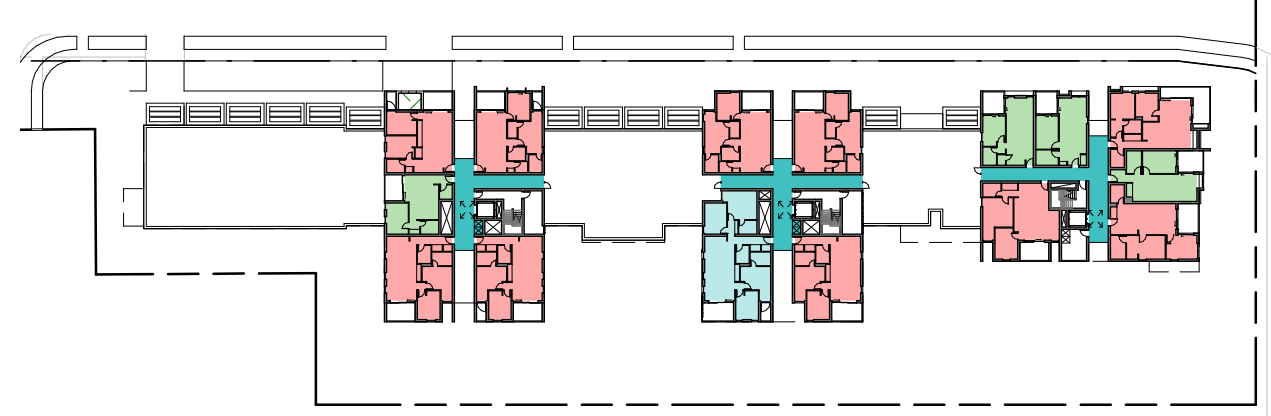
2 LEVEL 1
1 : 1000



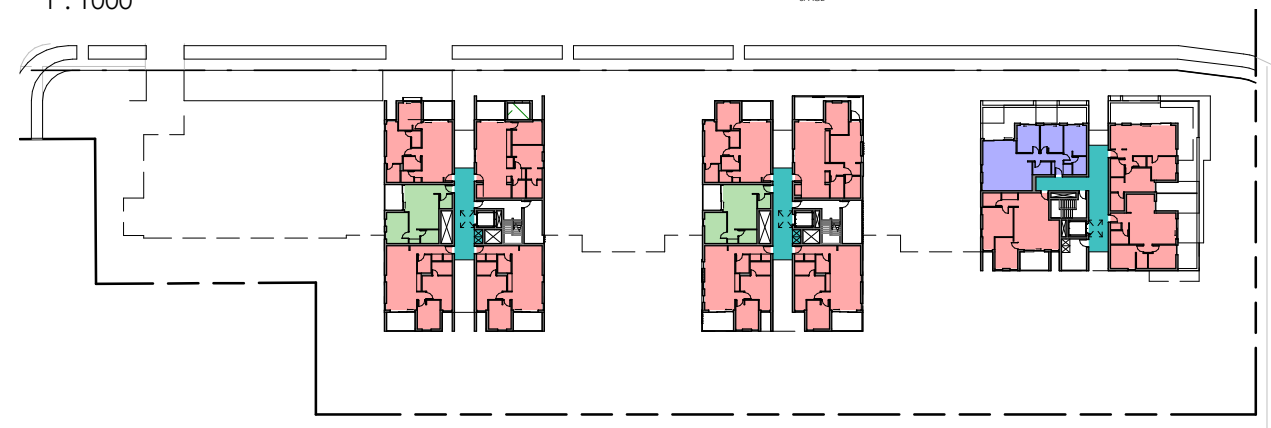
3 LEVEL 2
1 : 1000



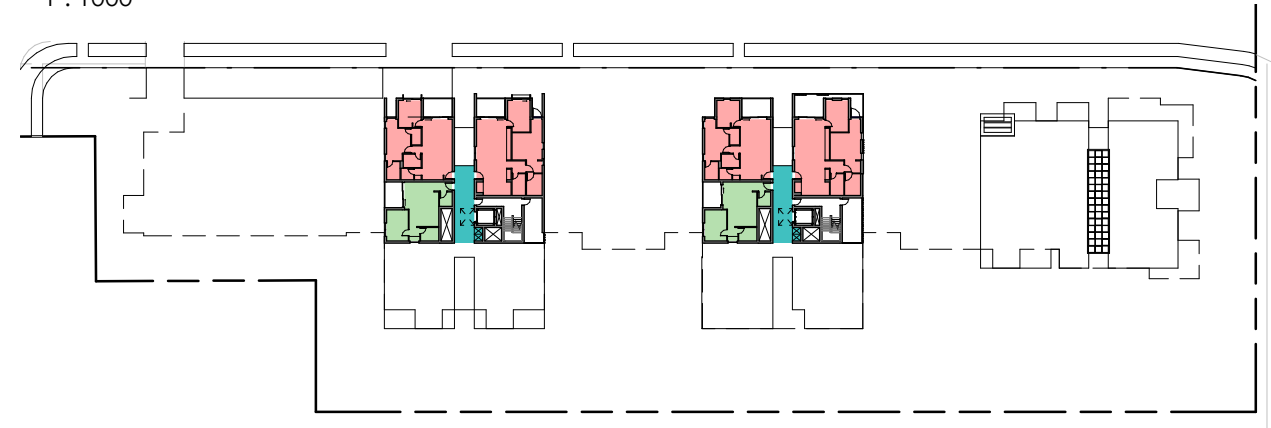
4 LEVEL 3
1 : 1000



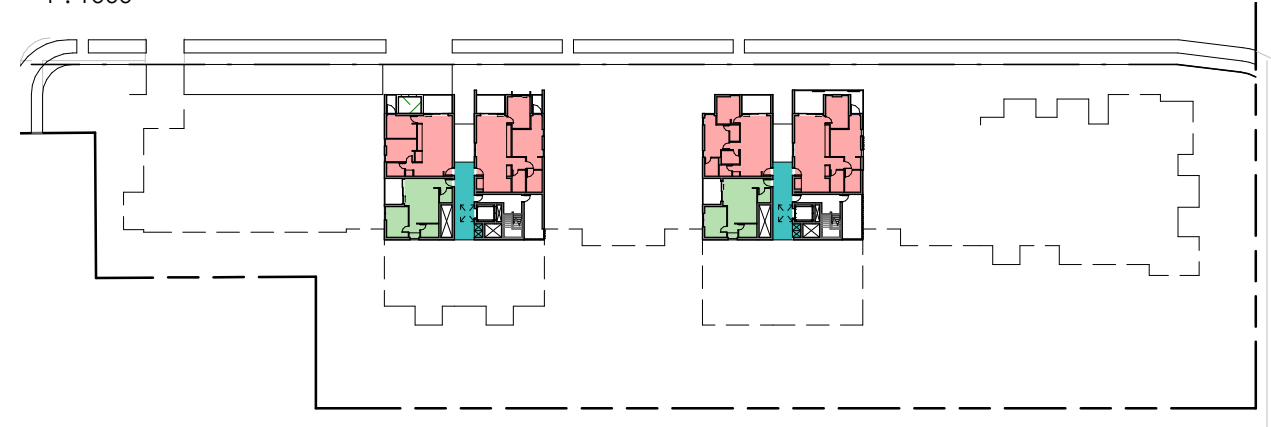
5 LEVEL 4
1 : 1000



6 LEVEL 5
1 : 1000



7 LEVEL 6
1 : 1000



8 LEVEL 7
1 : 1000

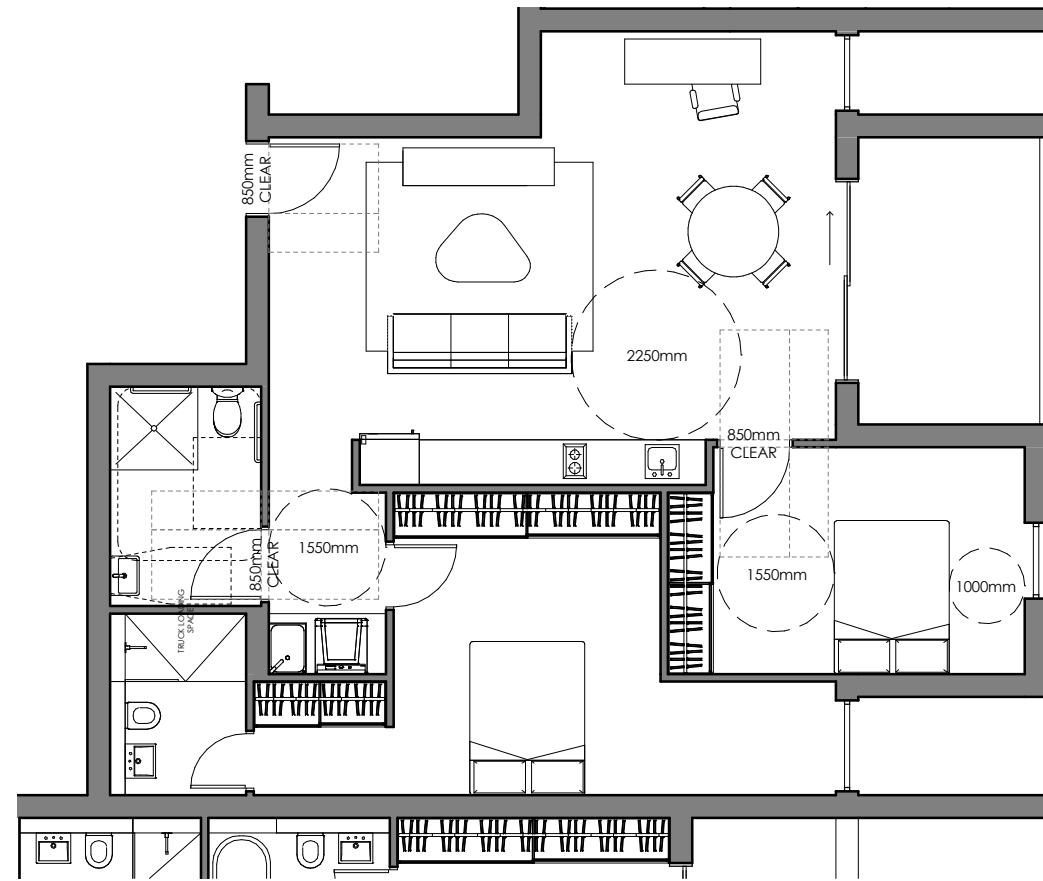
STUDIO UNIT		
1 BEDROOM UNIT		
2 BEDROOM UNIT		
3 BEDROOM UNIT		
4 BEDROOM UNIT		
LOBBY		

D	31/03/2017	
C	09/02/2017	
B	29/09/2016	
A	04/04/2016	
ISSUE	DATE	DESCRIPTION

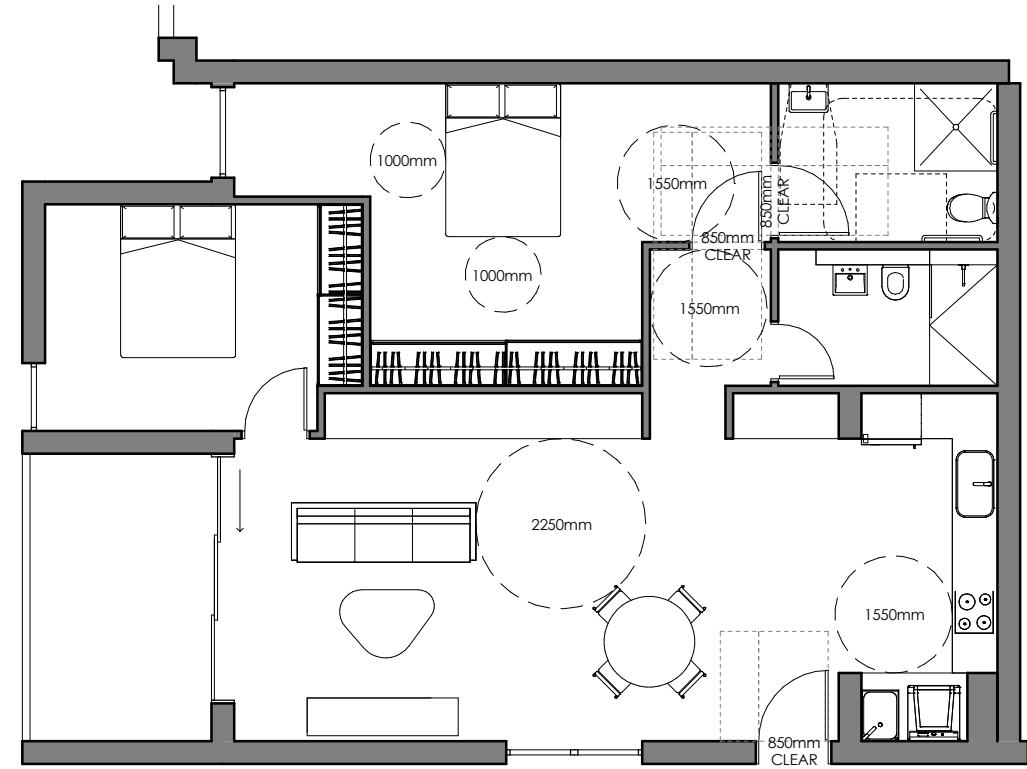
COUNCIL AMENDMENTS	
COUNCIL AMENDMENTS	
COUNCIL AMENDMENTS	
DA LODGEMENT	



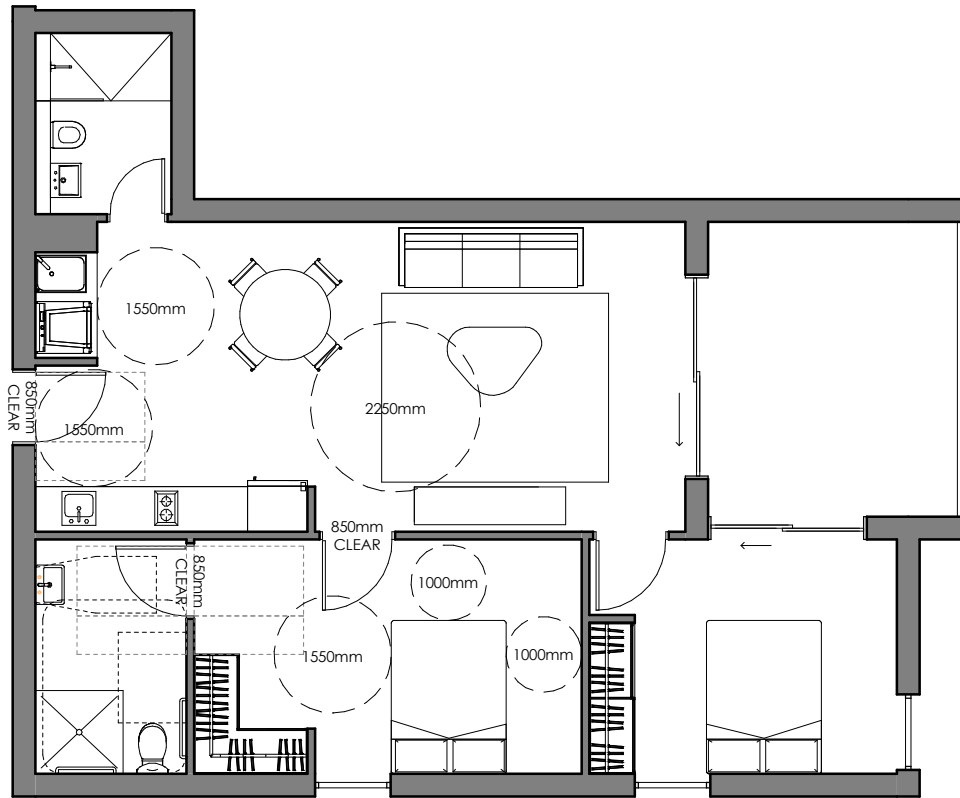
HIGHFIELD			
CLIENT	Caringbah NSW Pty Ltd	DATE	31/03/2017
PROJECT	113 Willarong Road CARINGBAH 2229	SCALE	AS SHOWN
TITLE	FSR CALCULATIONS	DRAWN	PV
		CHECKED	NN
		DWG No	DA16/0388
			502
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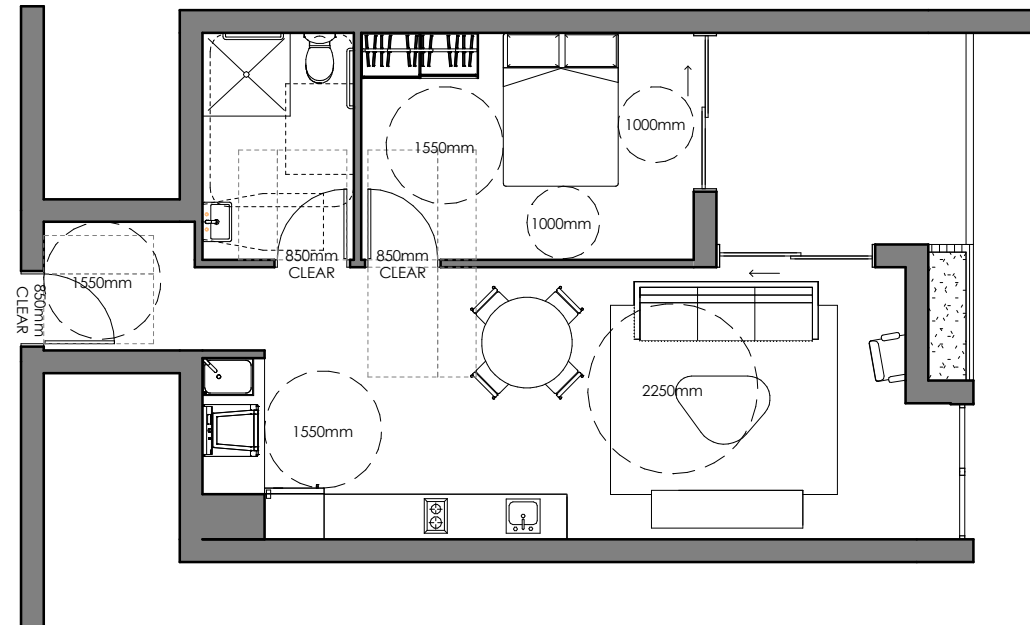
1 ADAPTABLE UNIT TYPE 1 - AG04, A104
1 : 100



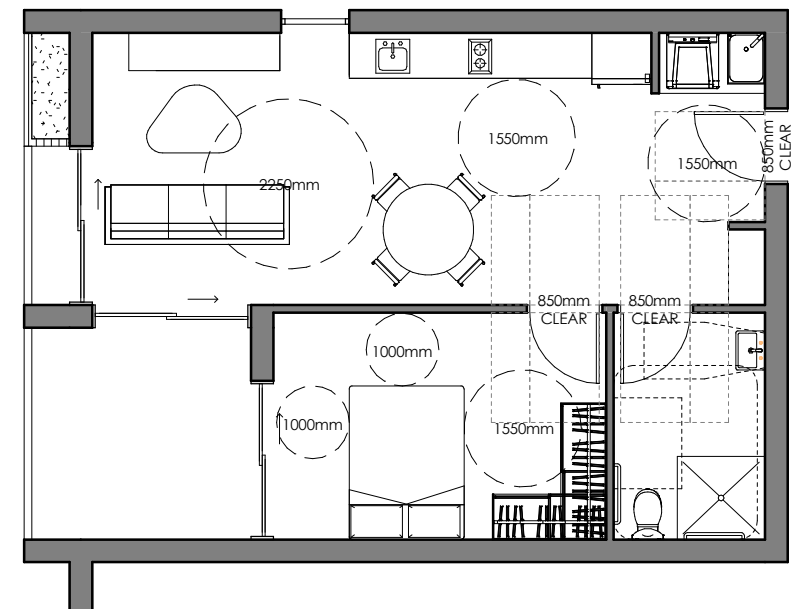
2 ADAPTABLE UNIT TYPE 2 - BG01, B101, B501, B601, B701, CG01, C101, C201, C401, C701
1 : 100



3 ADAPTABLE UNIT TYPE 3 - AG03, A103, A203, A303, A403
1 : 100



4 ADAPTABLE UNIT TYPE 4 - AG02, A102, A202, A302, A402
1 : 100



5 ADAPTABLE UNIT TYPE 5 - AG06, A106, A207, A307, A407
1 : 100

LIVABLE UNITS: AG03, A103, A203, A303, A403, AG02, A102, A202, A302, A402, AG06, A106, A207, A307, A407



1 SHADOWS - WINTER 9AM
1 : 1000

2 SHADOWS - WINTER 10AM
1 : 1000

3 SHADOWS - WINTER 11AM
1 : 1000

4 SHADOWS - WINTER 12PM
1 : 1000

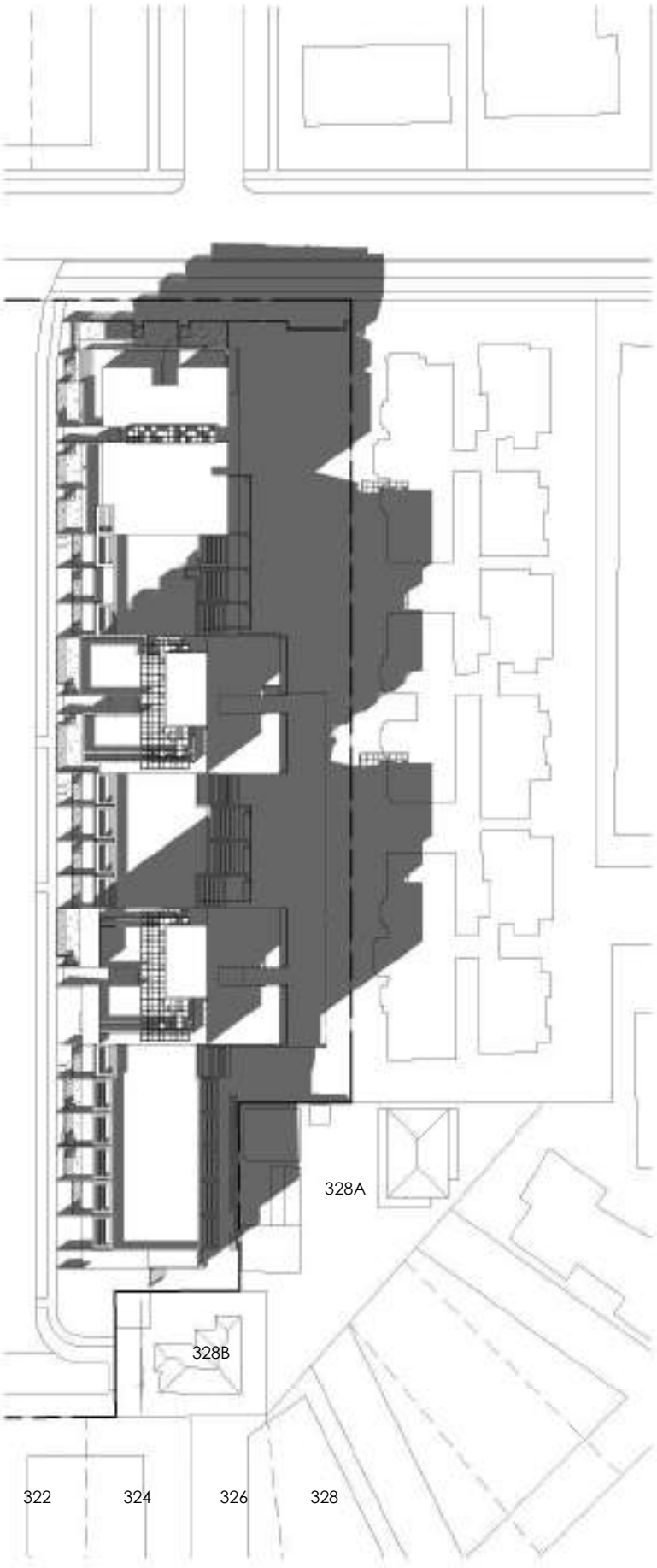
D	31/03/2017	COUNCIL AMENDMENTS
C	09/02/2017	COUNCIL AMENDMENTS
B	29/09/2016	COUNCIL AMENDMENTS
A	04/04/2016	DA LODGEMENT
ISSUE	DATE	DESCRIPTION

TIER
ARCHITECTS

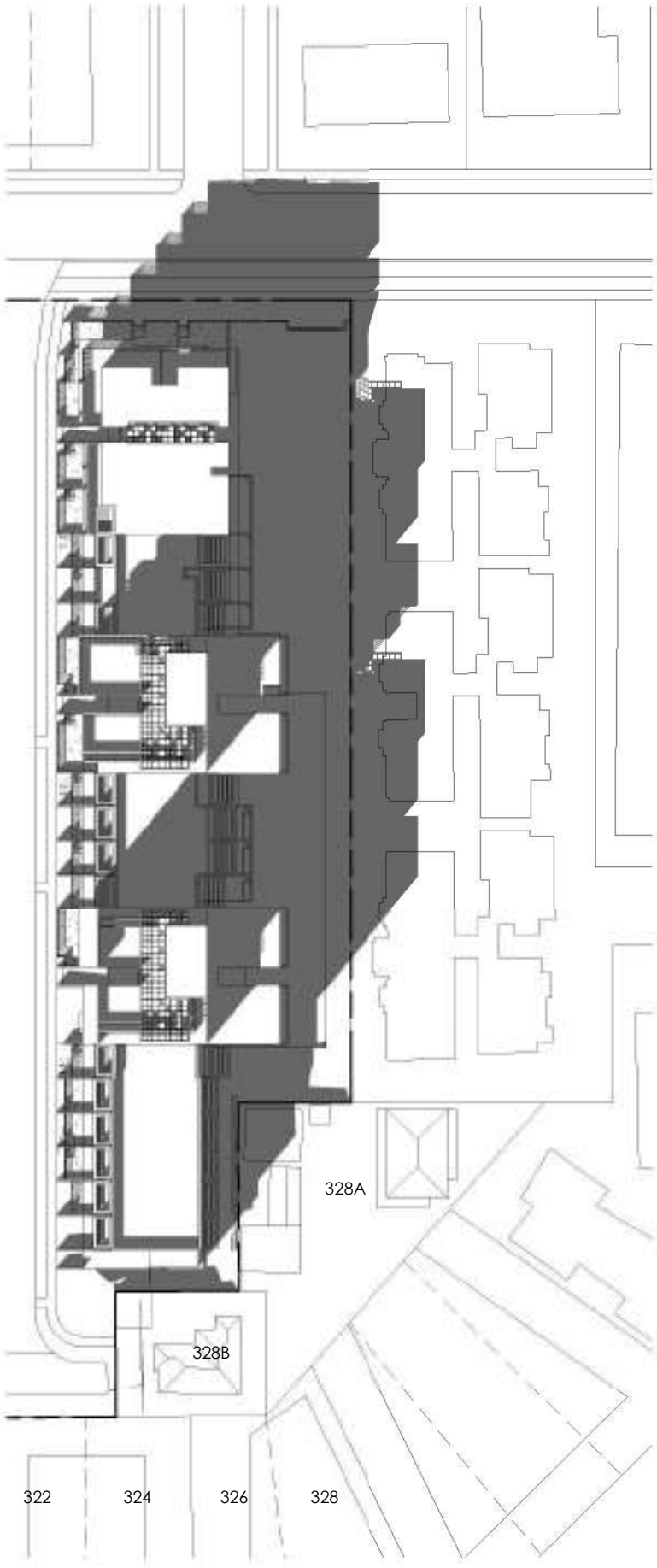
PHONE: 02 9571 0001 | ADDRESS: 4 RICHMOND STREET OFFSHORE WHARF, SYDNEY



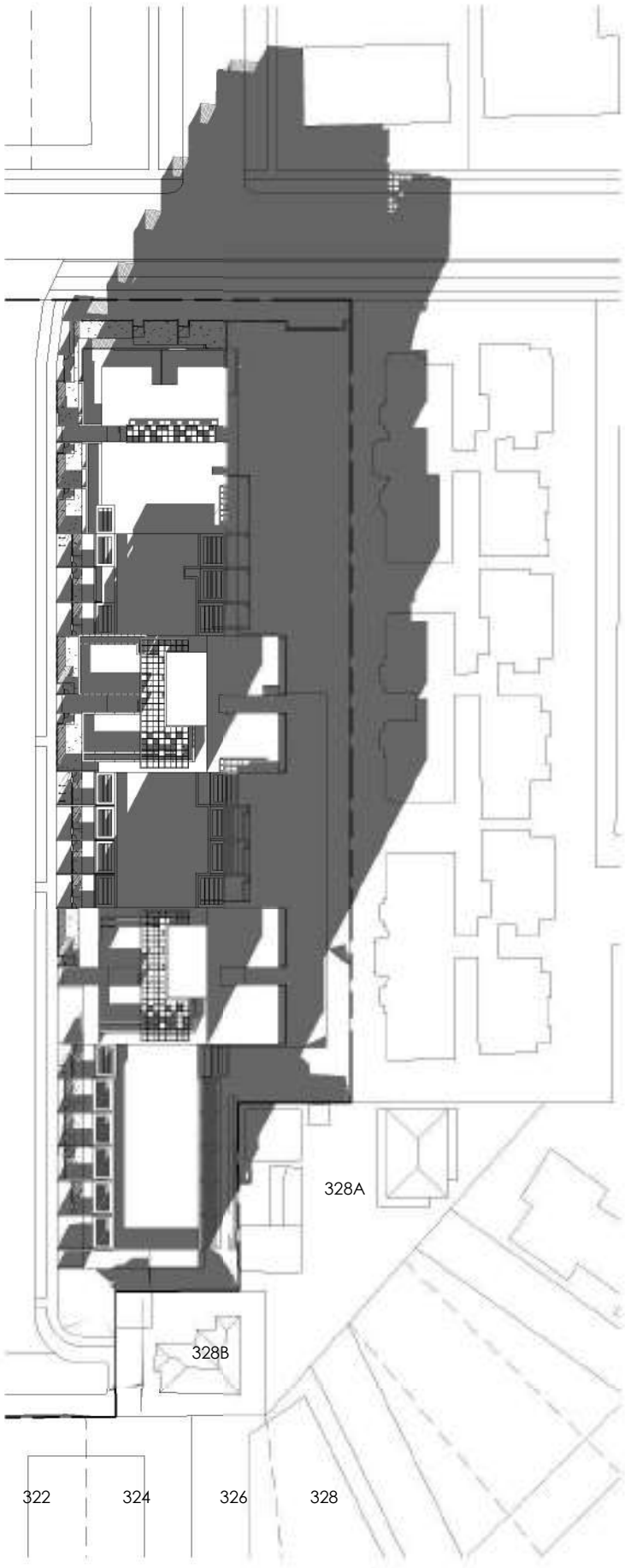
HIGHFIELD			
CLIENT	Caringbah NSW Pty Ltd	DATE	31/03/2017
PROJECT	113 Willarong Road CARINGBAH 2229	SCALE	A3 1:1000
TITLE	SHADOWS - WINTER SOLSTICE - 21/6	DRAWN	PV
		CHECKED	NN
		DWG No	DA16/0388
			701
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1 SHADOWS - WINTER 1PM
1 : 1000



2 SHADOWS - WINTER 2PM
1 : 1000



3 SHADOWS - WINTER 3PM
1 : 1000

ISSUE	DATE	DESCRIPTION
D	31/03/2017	COUNCIL AMENDMENTS
C	09/02/2017	COUNCIL AMENDMENTS
B	29/09/2016	COUNCIL AMENDMENTS
A	04/04/2016	DA LODGEMENT



HIGHFIELD			
CLIENT	Caringbah NSW Pty Ltd	DATE	31/03/2017
PROJECT	113 Willarong Road CARINGBAH 2229	SCALE	A3 1:1000
TITLE	SHADOWS 2 - WINTER SOLSTICE - 21/6	DRAWN	PV
		CHECKED	NN
		DWG No	DA16/0388
			702
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ISSUE	DATE	DESCRIPTION
D	31/03/2017	COUNCIL AMENDMENTS
C	09/02/2017	COUNCIL AMENDMENTS
B	29/09/2016	COUNCIL AMENDMENTS
A	04/04/2016	DA LODGEMENT

TIER
ARCHITECTS

PHONE: 02 9571 0001 | ADDRESS: 4 RICHMOND STREET SYDNEY NSW 2000



HIGHFIELD			
CLIENT	Caringbah NSW Pty Ltd	DATE	31/03/2017
PROJECT	113 Willarong Road CARINGBAH 2229	SCALE	A3 1:1000
TITLE	SHADOWS - EQUINOX - 21/3	DRAWN	PV
		CHECKED	NN
		DWG No	DA16/0388
			703
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C	09/02/2017	COUNCIL AMENDMENTS
B	29/09/2016	COUNCIL AMENDMENTS
A	04/04/2016	DA LODGEMENT
ISSUE	DATE	DESCRIPTION



HIGHFIELD			
CLIENT	Caringbah NSW Pty Ltd	DATE	31/03/2017
PROJECT	113 Willarong Road CARINGBAH 2229	SCALE	A3 1:1000
TITLE	SHADOWS 2 - EQUINOX - 21/3	DRAWN	PV
		CHECKED	NN
		DWG No	DA16/0388
			704
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D	31/03/2017	COUNCIL AMENDMENTS
C	09/02/2017	COUNCIL AMENDMENTS
B	29/09/2016	COUNCIL AMENDMENTS
A	04/04/2016	DA LODEMENT
ISSUE	DATE	DESCRIPTION

TIER
ARCHITECTS

PHONE: 02 9571 0001 | ADDRESS: 4 RICHMOND STREET SYDNEY NSW 2000



HIGHFIELD			
CLIENT	Caringbah NSW Pty Ltd	DATE	31/03/2017
PROJECT	113 Willarong Road CARINGBAH 2229	SCALE	A3 1:1000
TITLE	SHADOWS - SUMMER - 21/12	DRAWN	PV
		CHECKED	NN
		DWG No	DA16/0388
			705
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1 SHADOWS - SUMMER SOLSTICE 1PM
1 : 1000

2 SHADOWS - SUMMER SOLSTICE 2PM
1 : 1000

3 SHADOWS - SUMMER SOLSTICE 3PM
1 : 1000

D	31/03/2017	COUNCIL AMENDMENTS
C	09/02/2017	COUNCIL AMENDMENTS
B	29/09/2016	COUNCIL AMENDMENTS
A	04/04/2016	DA LODGEMENT
ISSUE	DATE	DESCRIPTION



HIGHFIELD			
CLIENT	Caringbah NSW Pty Ltd	DATE	31/03/2017
PROJECT	113 Willarong Road CARINGBAH 2229	SCALE	A3 1:1000
TITLE	SHADOWS 2 - SUMMER - 21/12	DRAWN	PV
		CHECKED	NN
		DWG No	DA16/0388
			706
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1 NEIGHBOURING SHADOWS - 9AM



2 NEIGHBOURING SHADOWS - 10AM



3 NEIGHBOURING SHADOWS - 11AM



4 NEIGHBOURING SHADOWS - 12PM



5 NEIGHBOURING SHADOWS - 1PM



6 NEIGHBOURING SHADOWS - 2PM



7 NEIGHBOURING SHADOWS - 3PM

ISSUE	DATE	DESCRIPTION
D	31/03/2017	COUNCIL AMENDMENTS
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B	29/09/2016	COUNCIL AMENDMENTS
A	04/04/2016	DA LODGEMENT



HIGHFIELD			
CLIENT	Caringbah NSW Pty Ltd	DATE	31/03/2017
PROJECT	113 Willarong Road CARINGBAH 2229	DRAWN	PV
TITLE	ELEVATIONAL SHADOWS - 21/6	CHECKED	NN
		DWG No	DA16/0388
			707
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SUN'S EYE SHADOW DIAGRAM - WINTER SOLSTICE - 9AM



SUN'S EYE SHADOW DIAGRAM - WINTER SOLSTICE - 9:15AM



SUN'S EYE SHADOW DIAGRAM - WINTER SOLSTICE - 9:30AM



SUN'S EYE SHADOW DIAGRAM - WINTER SOLSTICE - 9:45AM



SUN'S EYE SHADOW DIAGRAM - WINTER SOLSTICE - 10AM



SUN'S EYE SHADOW DIAGRAM - WINTER SOLSTICE - 10:15AM



SUN'S EYE SHADOW DIAGRAM - WINTER SOLSTICE - 10:30AM



SUN'S EYE SHADOW DIAGRAM - WINTER SOLSTICE - 10:45AM

D	31/03/2017	COUNCIL AMENDMENTS
C	09/02/2017	COUNCIL AMENDMENTS
B	29/09/2016	COUNCIL AMENDMENTS
A	04/04/2016	DA LODGEMENT
ISSUE	DATE	DESCRIPTION



HIGHFIELD			
CLIENT	Caringbah NSW Pty Ltd	DATE	31/03/2017
PROJECT	113 Willarong Road CARINGBAH 2229	DRAWN	PV
TITLE	SUNS EYE SHADOW DIAGRAMS - 21/6	CHECKED	NN
		DWG No	DA16/0388
			709
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SUN'S EYE SHADOW DIAGRAM - WINTER SOLSTICE - 11AM



SUN'S EYE SHADOW DIAGRAM - WINTER SOLSTICE - 11:15AM



SUN'S EYE SHADOW DIAGRAM - WINTER SOLSTICE - 11:30AM



SUN'S EYE SHADOW DIAGRAM - WINTER SOLSTICE - 11:45AM

D	31/03/2017	COUNCIL AMENDMENTS
C	09/02/2017	COUNCIL AMENDMENTS
B	29/09/2016	COUNCIL AMENDMENTS
A	04/04/2016	DA LODGEMENT
ISSUE	DATE	DESCRIPTION



HIGHFIELD			
CLIENT	Caringbah NSW Pty Ltd	DATE	31/03/2017
PROJECT	113 Willarong Road CARINGBAH 2229	DRAWN	PV
TITLE	SUNS EYE SHADOW DIAGRAMS - 21/6	CHECKED	NN
		DWG No	DA16/0388
			710
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SUN'S EYE SHADOW DIAGRAM - WINTER SOLSTICE - 12PM



SUN'S EYE SHADOW DIAGRAM - WINTER SOLSTICE - 12:15PM



SUN'S EYE SHADOW DIAGRAM - WINTER SOLSTICE - 12:30PM



SUN'S EYE SHADOW DIAGRAM - WINTER SOLSTICE - 12:45PM



SUN'S EYE SHADOW DIAGRAM - WINTER SOLSTICE - 1PM



SUN'S EYE SHADOW DIAGRAM - WINTER SOLSTICE - 1:15PM



SUN'S EYE SHADOW DIAGRAM - WINTER SOLSTICE - 1:30PM



SUN'S EYE SHADOW DIAGRAM - WINTER SOLSTICE - 1:45PM



SUN'S EYE SHADOW DIAGRAM - WINTER SOLSTICE - 2PM



SUN'S EYE SHADOW DIAGRAM - WINTER SOLSTICE - 2:15PM



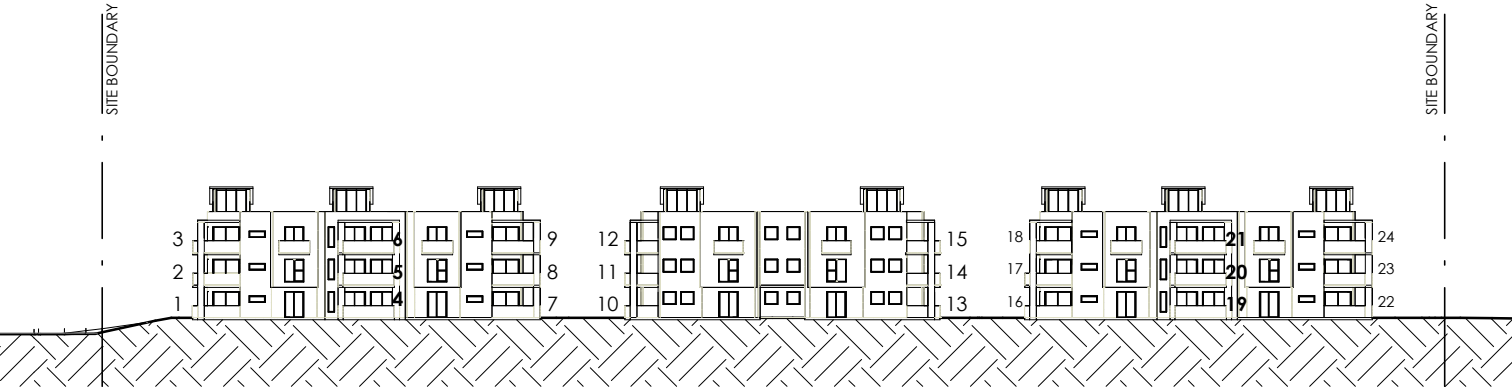
SUN'S EYE SHADOW DIAGRAM - WINTER SOLSTICE - 2:30PM



SUN'S EYE SHADOW DIAGRAM - WINTER SOLSTICE - 2:45PM



SUN'S EYE SHADOW DIAGRAM - WINTER SOLSTICE - 3PM



NEIGHBOURING BUILDING - NORTH ELEVATION

1 : 700

WINTER SOLSTICE								HOURS
No.	9am	10am	11am	12pm	1pm	2pm	3pm	
1								9AM - 2:00PM (5 hour)
2								9AM - 2:15PM (5.25 hour)
3								9AM - 3PM (6 hour)
4								11AM - 1:15PM (2.25 hour)
5								10AM - 3PM (5 hour)
6								9:15AM - 3PM (5.75 hour)
7								10:30AM - 12:45PM (2.25 hour)
8								9:30AM - 3PM (5.5 hour)
9								9:30AM - 3PM (5.5 hour)
10								9AM - 11AM, 1:30PM - 2PM (2.5 hour)
11								9:15AM - 11AM, 12:30 - 2:30 (3.75 hour)
12								9AM - 3PM (6 hour)
13								10:00AM - 1:15PM (3.75 hour)
14								10:00AM - 3PM (4.5 hour)
15								10:30AM - 3PM (4.5 hour)
16								9:50AM - 11:15AM, 2:15PM - 3PM (2.75 hour)
17								9:15AM - 11:45AM, 12:45PM - 3PM (4.75 hour)
18								9:15AM - 3PM (5.75 hour)
19								9AM - 9:30AM, 1PM - 3PM (2.5 hour)
20								9AM - 9:30AM, 12:45PM - 3PM (2.75 hour)
21								9AM - 9:30AM, 11:00AM - 3PM (3.5 hour)
22								11AM - 3PM (4 hour)
23								11AM - 3PM (4 hour)
24								10:45AM - 3PM (4.25 hour)

SUNS EYE SHADOW DIAGRAMS - 21/6

ISSUE	DATE	DESCRIPTION
D	31/03/2017	COUNCIL AMENDMENTS
C	09/02/2017	COUNCIL AMENDMENTS
B	29/09/2016	COUNCIL AMENDMENTS
A	04/04/2016	DA LODGEMENT

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PHONE: 02 9871 0001 | ADDRESS: 4 KENTON STREET WENTWORTH NSW

HIGHFIELD			
CLIENT	Caringbah NSW Pty Ltd	DATE	31/03/2017
PROJECT	113 Willarong Road CARINGBAH 2229	DRAWN	PV
TITLE	SUNS EYE SHADOW DIAGRAMS - 21/6	DWG No	DA16/0388
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1. PRIMARY BRICK FINISH
AUSTRAL BOWRAL GERTRUDIS BROWN

2. EXTERNAL BALUSTRADE
BLACK STAINLESS STEEL BALUSTRADE

3. SECONDARY BRICK FINISH
AUSTRAL BOWRAL BRAHMAN GRANITE

4. EXTERNAL CABINTRY AND DOOR FINISH
LIGHT OAK STAIN

5. EXPOSED FLOOR
RAW CONCRETE FINISH

6. GLASS INFILL BALUSTRADE
AND WINDOW PANES
IN GREEN TINT FINISH

8. ALUMINIUM PERGOLA/
SHADE STRUCTURE

7. PRECAST CONCRETE PANEL
STAINED IN DULUX HOG BRISTLE OR
SIMILAR

10. TIMBER FEATURE
INNOWOOD CLADDING
IN SPOTTED GUM OR
SIMILAR FINISH

12. TERRACE ENTRY HOODS
PAINTED WITH DULUX
ENDLESS DUSK

9. VERTICAL CLADDING
JAMES HARDIE SCYON
DULUX BLACK CAVIAR

11. GLASS BALUSTRADE BLACK
STAINLESS STEEL BALUSTRADE

15. TERRACE DOOR FINISH
LIGHT OAK STAIN

13. VERTICAL CLADDING
JAMES HARDIE SCYON
DULUX GREEN WASH

14. VERTICAL CLADDING
JAMES HARDIE SCYON
DULUX LEXICON HALF

16. EXTERNAL WALL
PRECAST CONCRETE PANEL STAINED IN
DULUX DUBBIN OR SIMILAR

17. WINDOW AND DOOR FRAMES
BLACK POWDER COATED

18. WINDOW PANES
IN GREEN TINT FINISH

19. MAIL BOX FEATURE BRICK
AUSTRAL BURLESQUE BLUE

20. ENTRY PATHS
SELECTED LARGE CONCRETE
IN GREY FINISH

TERRACE PRIMARY FINISH
AUSTRAL BOWRAL
BRAHMAN GRANITE

BUILDING A1

BUILDING B1

BUILDING C1

ISSUE	DATE	DESCRIPTION
D	31/03/2017	COUNCIL AMENDMENTS
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HIGHFIELD			
CLIENT	Caringbah NSW Pty Ltd	DATE	31/03/2017
PROJECT	113 Willarong Road CARINGBAH 2229	DRAWN	PV
TITLE	MATERIALS AND FINISHES	CHECKED	NN
		DWG No	DA16/0388
		SCALE	900
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