#### ATTACHMENTS DISTRIBUTED UNDER SEPARATE COVER

DAC 17/05/22 – 20 DENISON STREET NEWCASTLE WEST – MA2021/00470 - SEC 4.55(2) MODIFICATION TO DA2018/01498 - SHOP TOP HOUSING - CHANGES TO FLOOR PLANS AND ELEVATIONS

PAGE 3 ITEM-7 Attachment A: Submitted Plans

PAGE 57 ITEM-7 Attachment B: Draft Schedule of Conditions

PAGE 81 ITEM-7 Attachment C: Processing Chronology

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DAC 17/05/22 – 20 DENISON STREET NEWCASTLE WEST – MA2021/00470 - SEC 4.55(2) MODIFICATION TO DA2018/01498 - SHOP TOP HOUSING - CHANGES TO FLOOR PLANS AND ELEVATIONS

ITEM-7 Attachment A: Submitted Plans

# **20 DENISON STREET NEWCASTLE WEST**

# SECTION 4.55 APPLICATION

PREPARED FOR

## DENISON ST APARTMENTS PTY LTD

	No.	NAME	SCALES	RE
A 000 (	GENERA	L INFORMATION		
	A-000	COVER PAGE		Α
	A-001	AREA SHEDULES		Α
A 100 (	GENERA	L ARRANGEMENT PLANS		
	A-100	BASEMENT FLOOR PLAN	1:100	Α
	A-101	GROUND FLOOR PLAN	1:100	Α
	A-102	MEZZANINE FLOOR PLAN	1:100	Α
	A-103	FIRST FLOOR PLAN	1:100	Α
	A-104	SECOND FLOOR PLAN	1:100	Α
	A-105	THIRD FLOOR PLAN	1:100	Α
	A-106	TYPICAL LOWER FLOOR (L4-7)	1:100	Α
	A-107	TYPICAL UPPER FLOOR (L8-17)	1:100	Α
	A-108	LEVEL 18 FLOOR PLAN	1:100	Α
	A-109	LEVEL 19 FLOOR PLAN	1:100	Α
	A-110	LEVEL 20 FLOOR PLAN	1:100	Α
	A-111	ROOF PLAN	1:100	Α
A 200 E	ELEVATION	ONS		
	A-201	ELEVATIONS 01	1:200	Α
	A-202	ELEVATIONS 02	1:200	Α
A 300 S	SECTION	IS		
	A-301	SECTIONS	1:200	Α
A 500 S	SHADOW	/ DIAGRAMS		
	A-501	SHADOW DIAGRAMS - JUNE		Α
	A-502	SHADOW ANALYSIS - TUDOR STREE	T	Α
A 600 A	ADG CO	MPLIANCE DIAGRAMS		
	A-601	SOLAR DIAGRAMS	1:200	Α
	A-602	VENTILATION DIAGRAMS	1:200	Α
A PHO	TOMONT	TAGES		
	A-401	PHOTOMONTAGE 01		Α
	A-402	PHOTOMONTAGE 02		Α



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PROJECT:
DENISON STREET
NEWCASTLE

PROJECT NO: 17032

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S4.55 APPLICATION	A-000	A

## **AREA SUMMARY**

SITE AREA 1,636m<sup>2</sup> PERMISSIBLE FSR (6:1)  $9,816m^2$ PROPOSED FSR (4.5:1)  $7,487m^2$  $7,264m^2$ PROPOSED RESIDENTIAL

## LANDSCAPING SUMMARY

PROPOSED RETAIL

MINIMUM COMMUNAL OPEN SPACE	409m <sup>2</sup> (25%)
PROPOSED COMMUNAL OPEN SPACE	445m <sup>2</sup> (27%)
MINIMUM LANDSCAPED AREA	327m <sup>2</sup> (20%)
PROPOSED LANDSCAPED AREA	591m <sup>2</sup> (36%)
MINIMUM DEEP SOIL LANDSCAPING	164m² (10%)
PROPOSED MASS PLANTING	521m <sup>2</sup> (31%)

223m<sup>2</sup>

LEVEL	GROSS FLOOR AREA (m2)
GF.GROUND FLOOR	268
MF.MEZZANINE	108
L01.LEVEL 01	357
L02.LEVEL 02	652
L03.LEVEL 03	432
L04.LEVEL 04	432
L05.LEVEL 05	432
L06.LEVEL 06	432
L07.LEVEL 07	432
L08.LEVEL 08	347
L09.LEVEL 09	347
L10.LEVEL 10	347
L11.LEVEL 11	347
L12.LEVEL 12	347
L12.LEVEL 13	347
L14.LEVEL 14	347
L15.LEVEL 15	347
L16.LEVEL 16	347
L17.LEVEL 17	347
L18.LEVEL 18	268
L19.LEVEL 19	182
L20.LEVEL 20	22

7,487 m<sup>2</sup>

LEVEL	APARTMENT TYPE	QUANTIT
L01.LEVEL 01	1112	
	1 BED	2
	2 BED	2
L02.LEVEL 02		
	1 BED	2
	2 BED	5
L03.LEVEL 03		
	1 BED	1
	2 BED	3
	3 BED	1
L04.LEVEL 04		
	1 BED	1
	2 BED	3
	3 BED	1
L05.LEVEL 05		
	1 BED	1
	2 BED	3
	3 BED	1
L06.LEVEL 06		
	1 BED	1
	2 BED	3
	3 BED	1
L07.LEVEL 07		
	1 BED	1
	2 BED	3
	3 BED	1
L08.LEVEL 08		
	2 BED	4
L09.LEVEL 09		
	2 BED	4
L10.LEVEL 10		
	2 BED	4
L11.LEVEL 11		
	2 BED	4
L12.LEVEL 12		
	2 BED	4
L12.LEVEL 13		
	2 BED	4
L14.LEVEL 14		
	2 BED	4
L15.LEVEL 15		
	2 BED	4
L16.LEVEL 16		

2 BED

3 BED

78

**L18.LEVEL 18** 

APARTMENT SUMMARY SCHEDULE		
APARTMENT TYPE	QUANTITY	
1 BED	9	
2 BED	62	
3 BED	7	
	78	

PARKING SCHEDULE				
TYPE	QUANTITY			
BICYCLE	98			
CAR	97			
CAR WASH BAY	1			
MOTORCYCLE	6			

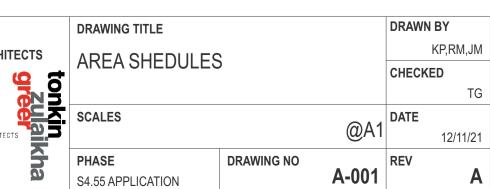
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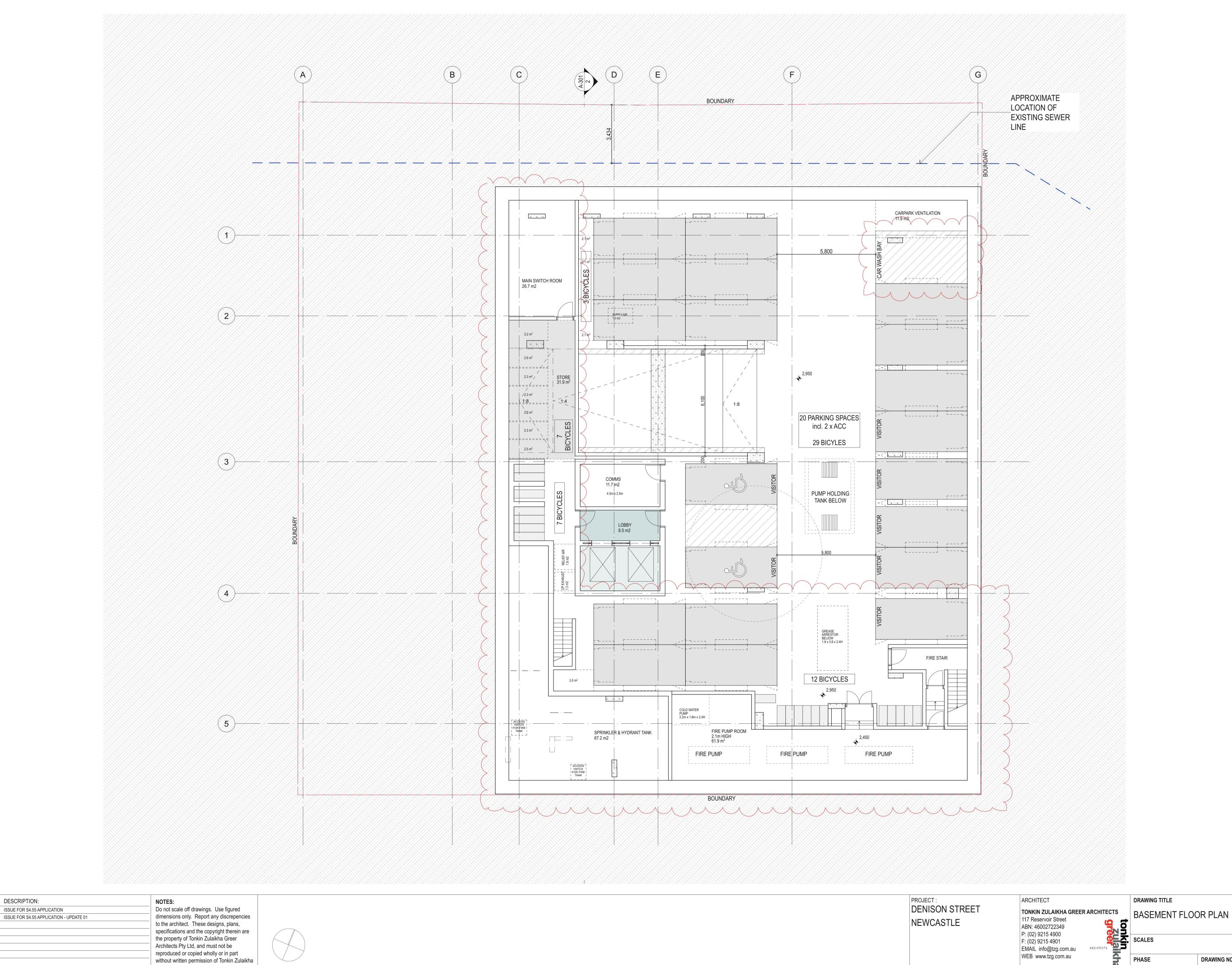


PROJECT: DENISON STREET NEWCASTLE

PROJECT NO: 17032

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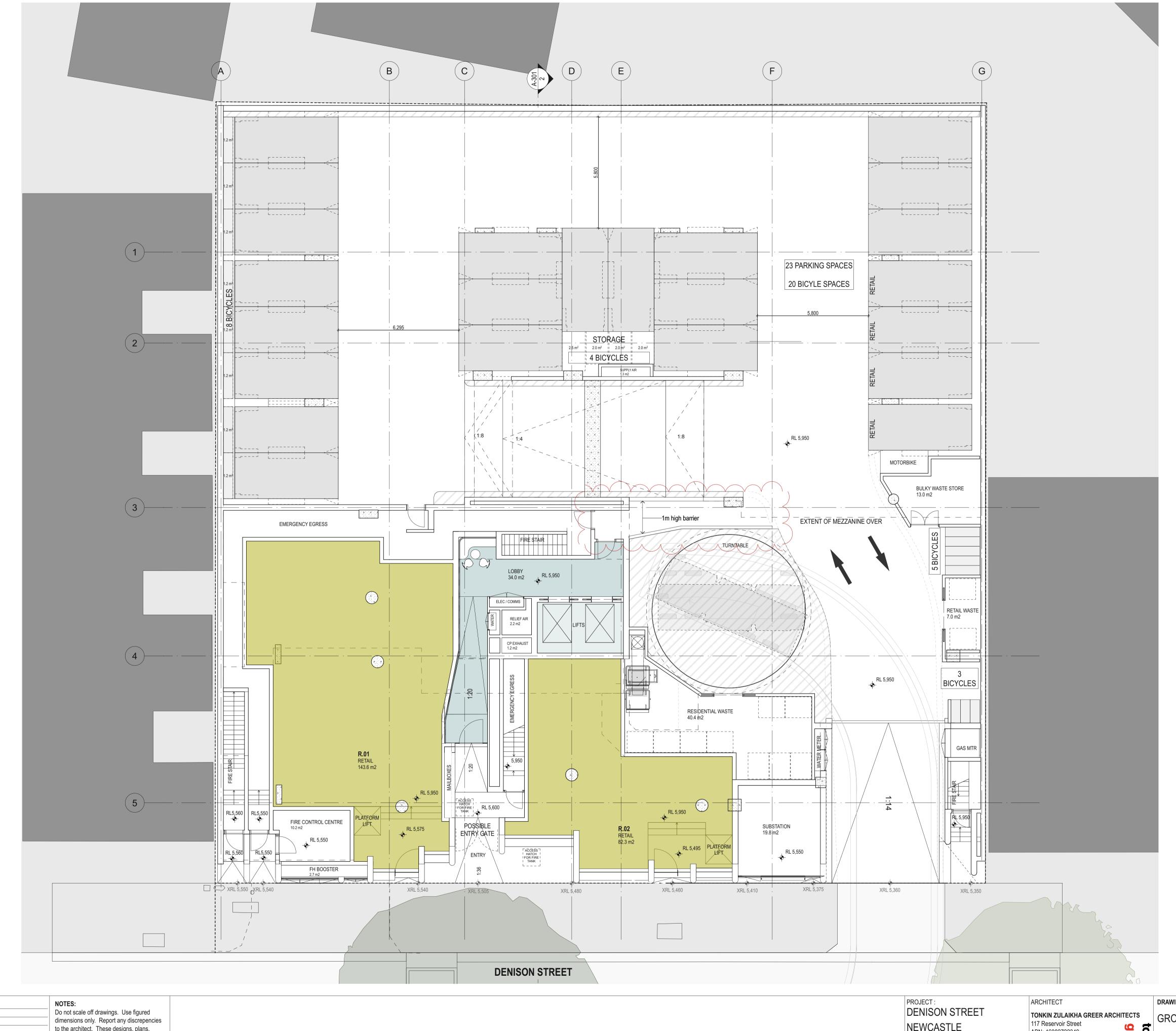
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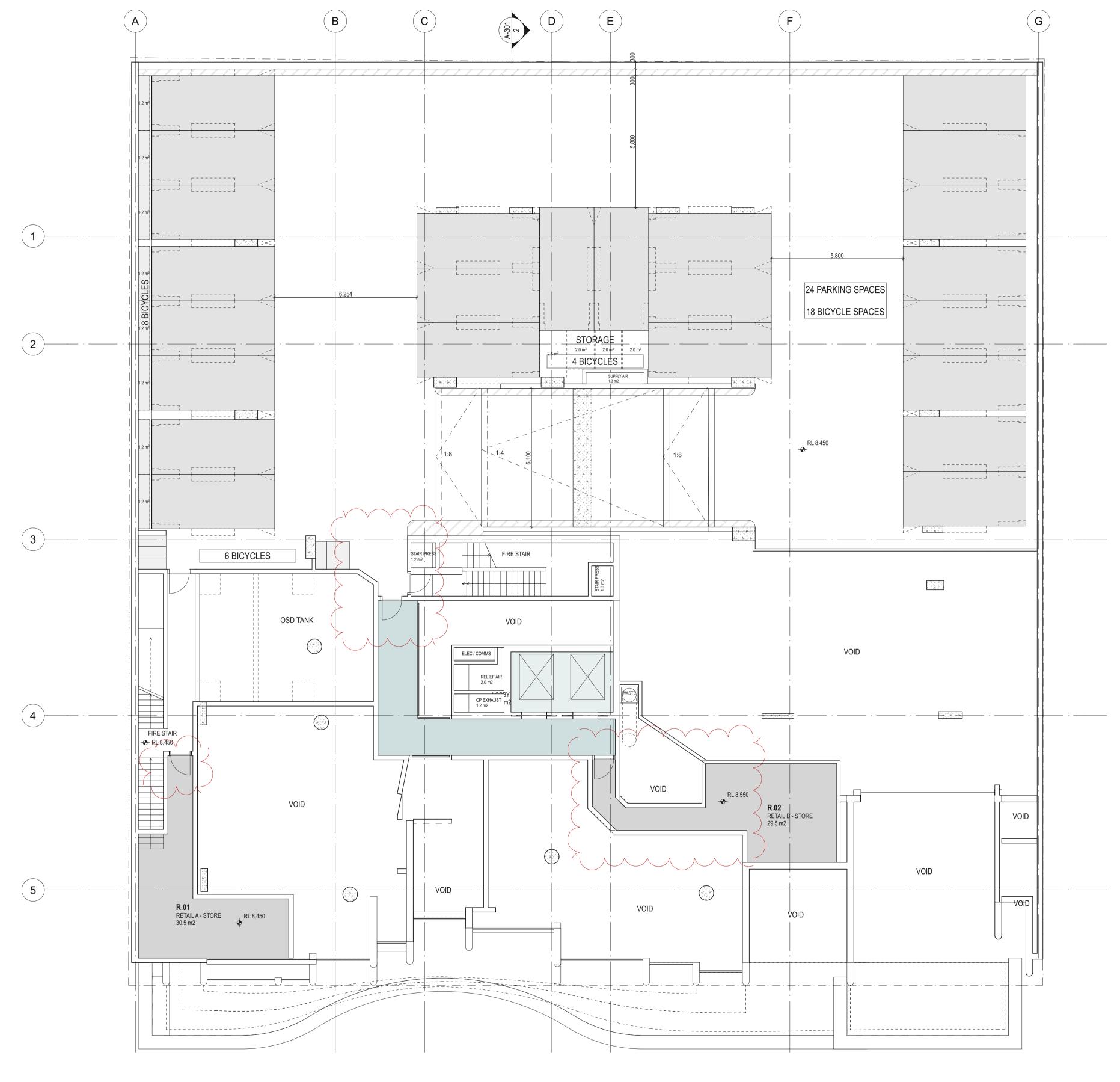
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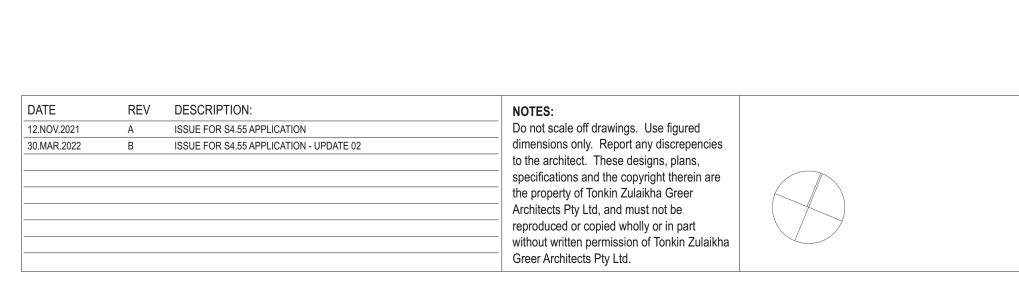
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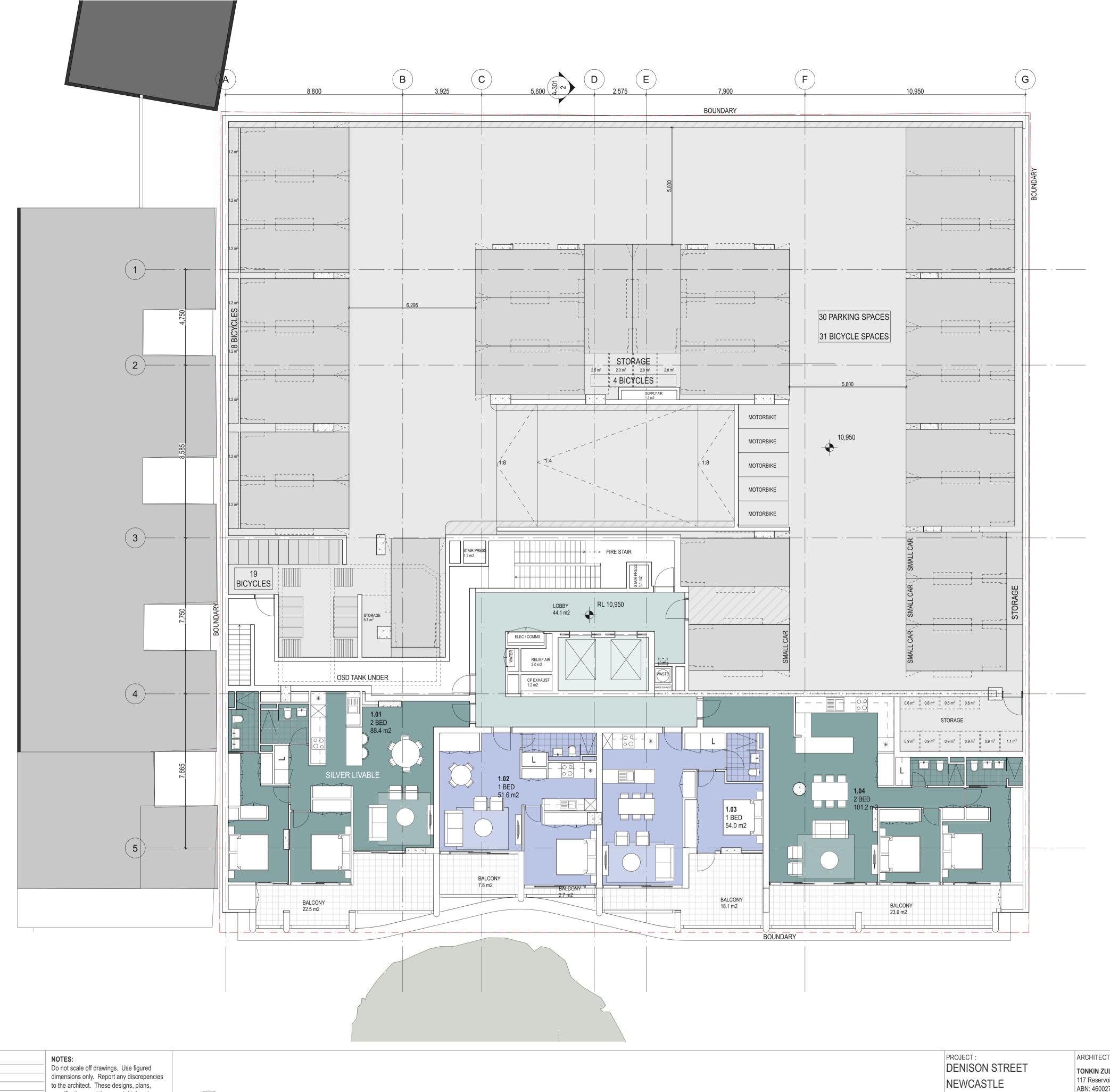
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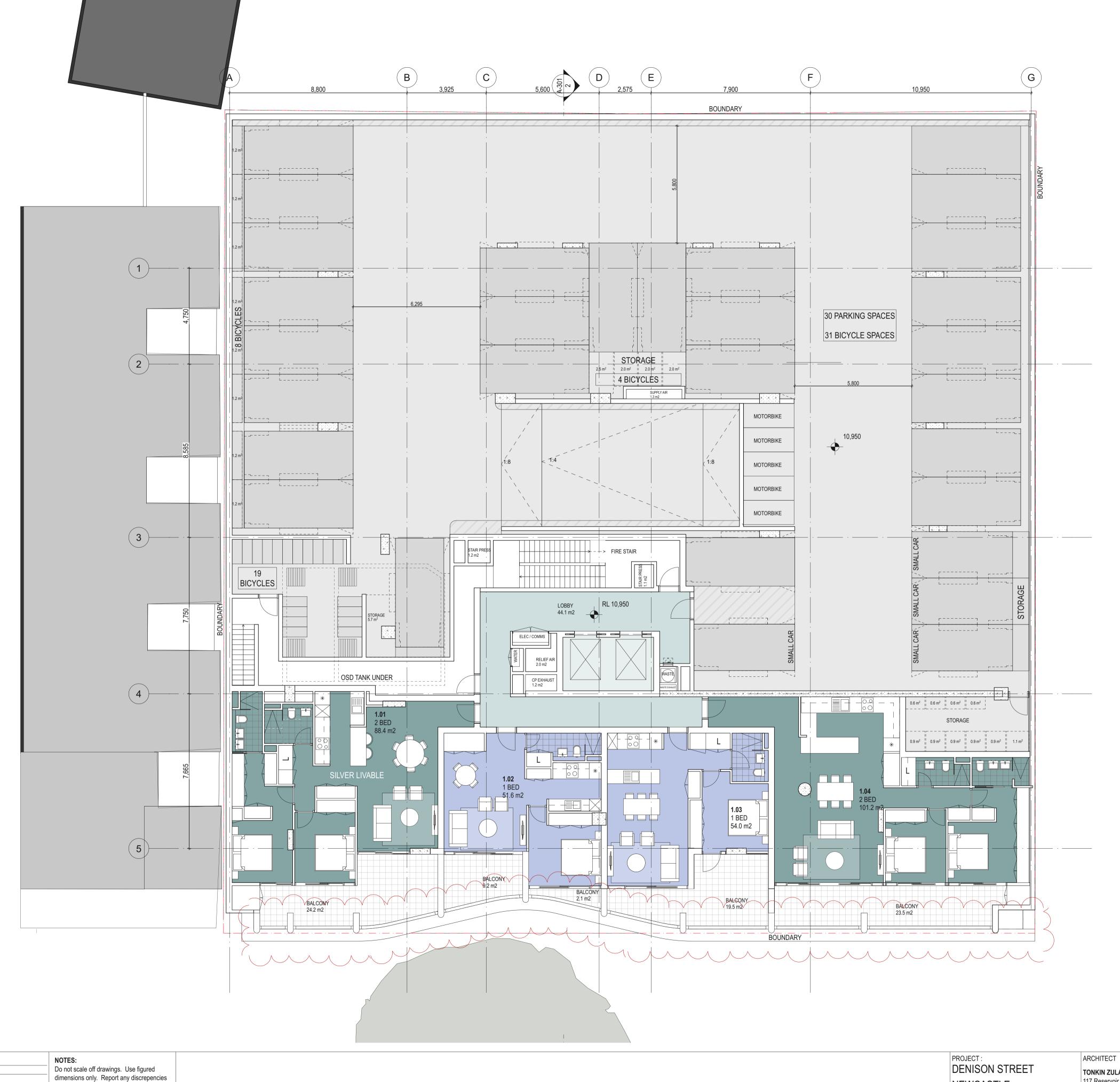
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S4.55 APPLICATION



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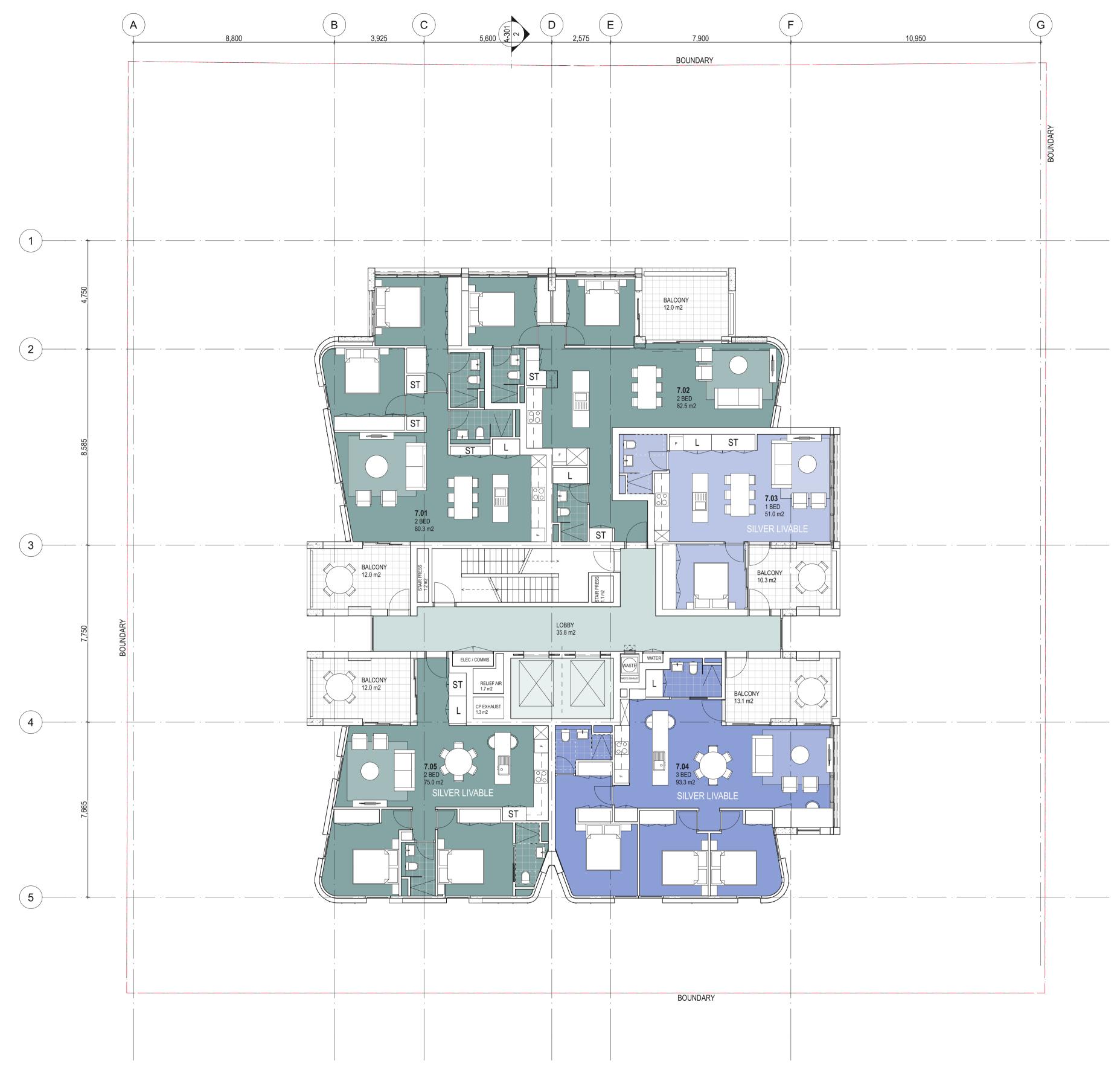
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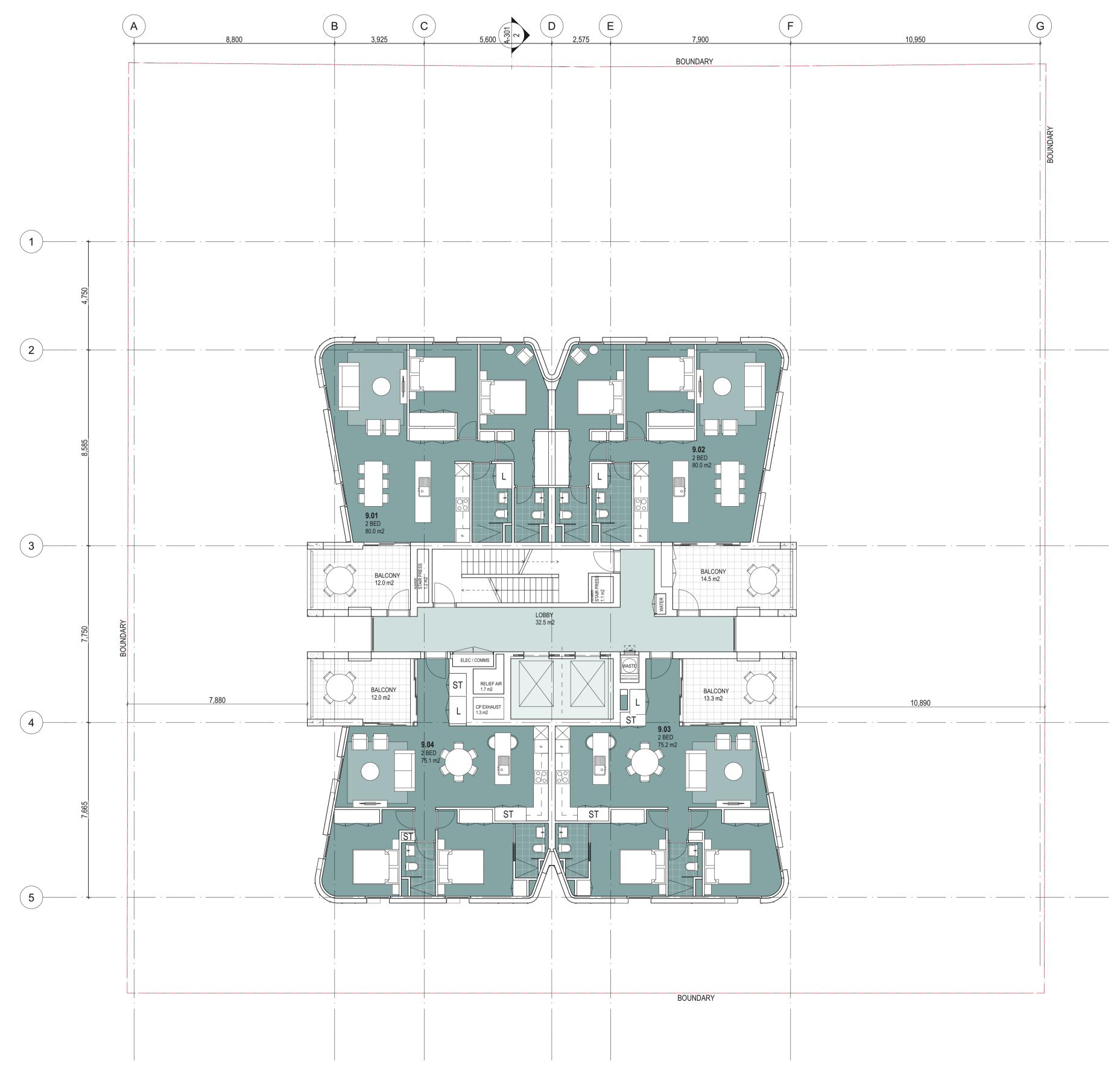
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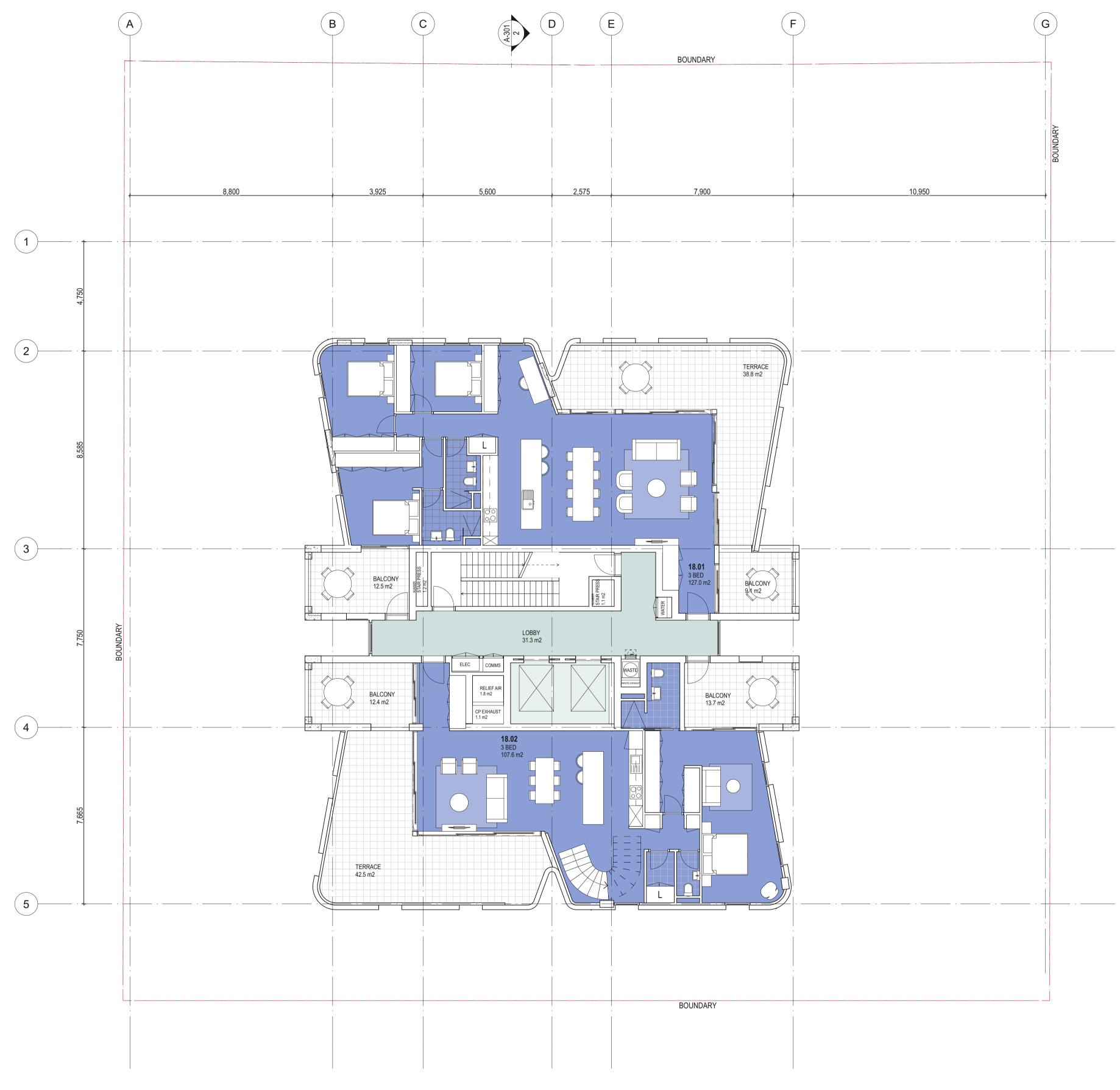
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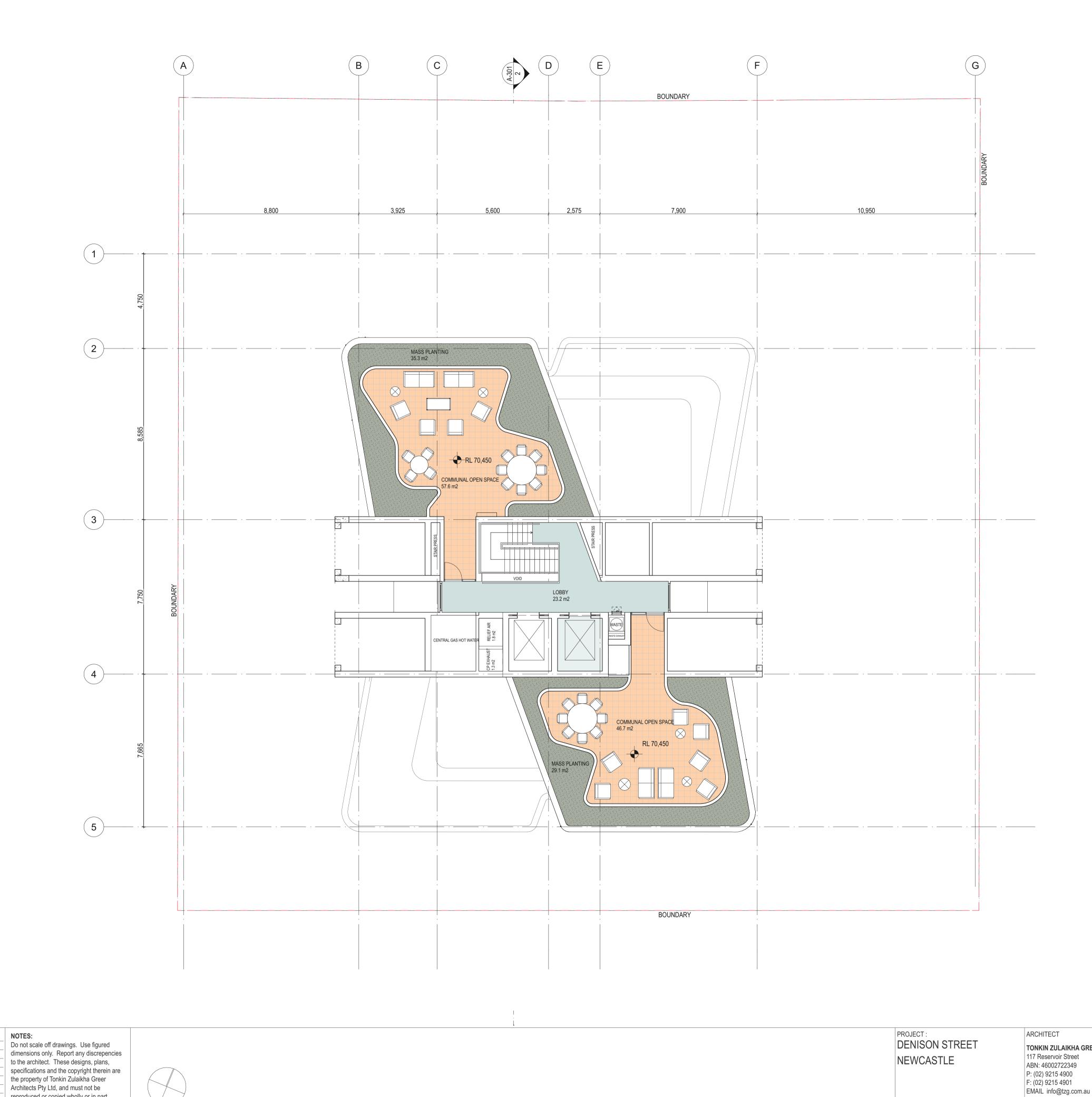
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117 Reservoir Street

ABN: 46002722349

NEWCASTLE

PROJECT NO: 17032

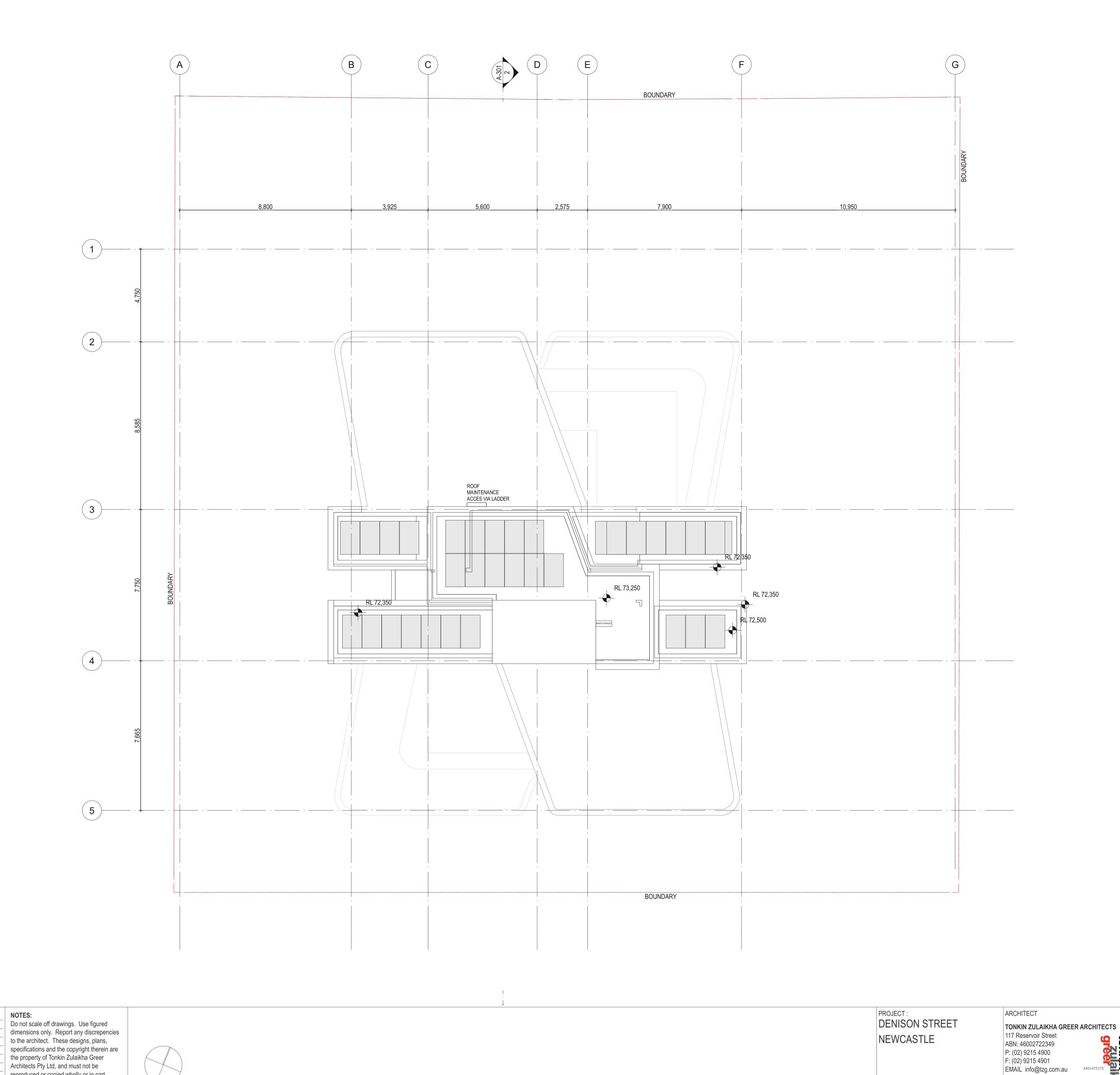
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LEVEL 20 FLOOR PLAN

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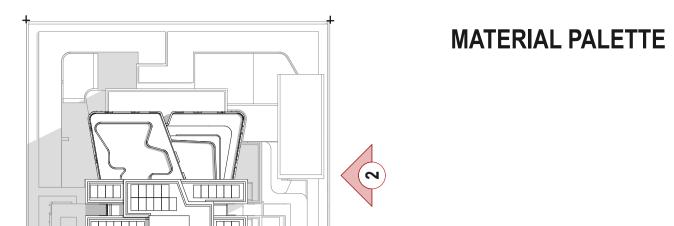
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**KEY PLAN** 

CO1 Off form concrete - natural

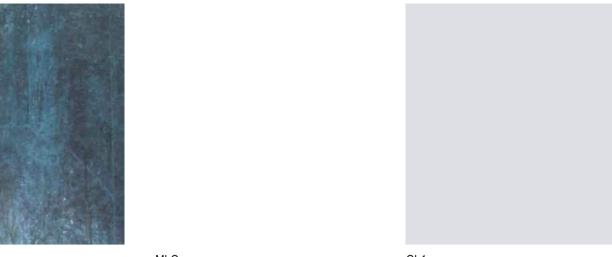
Precast concrete panel cladding



Powder coated metal framing

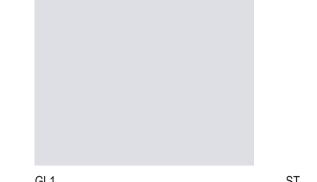
Off form concrete - light pigmentation

Off form concrete - dark pigmentation

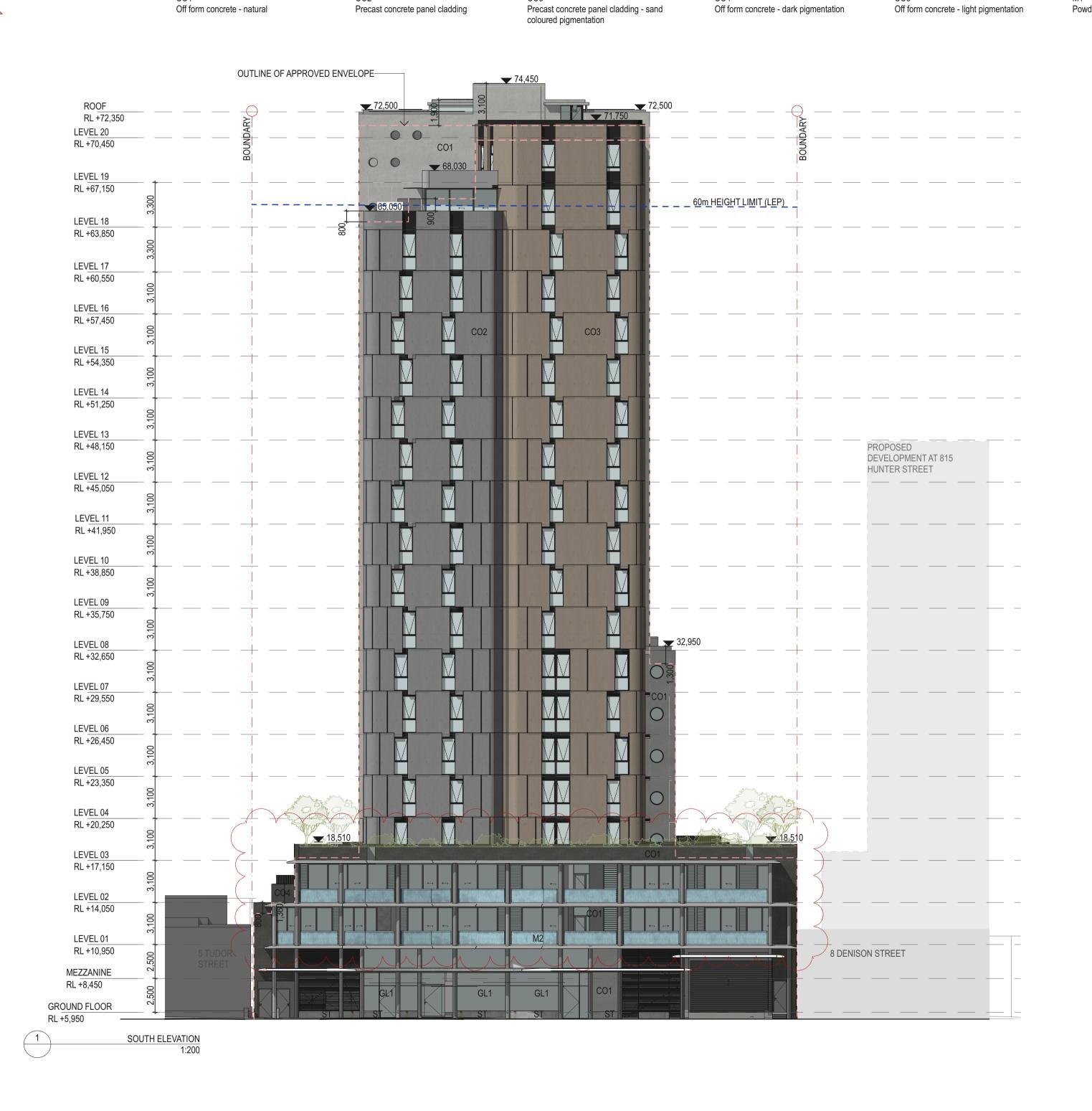


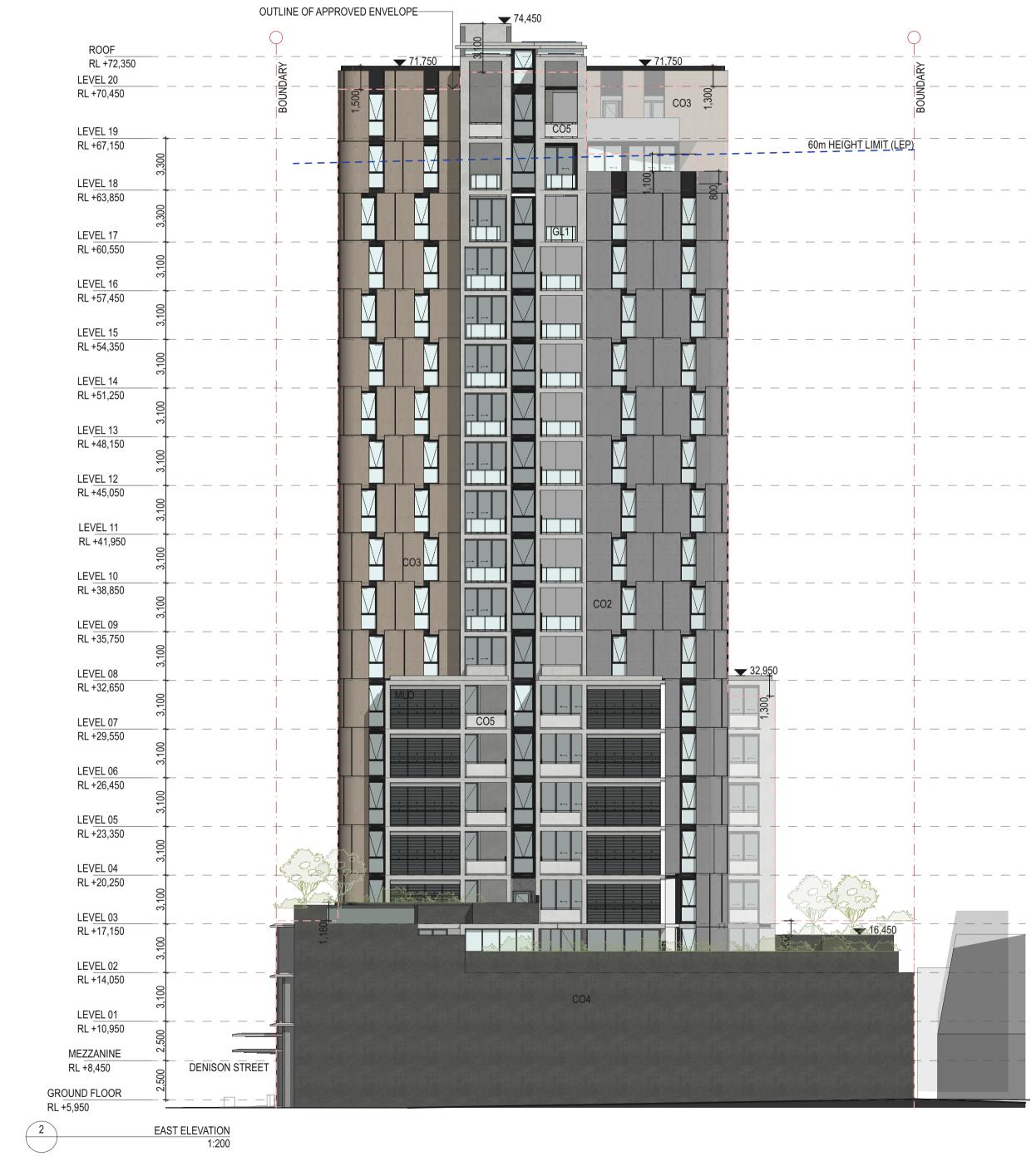
Vental External Louvres

Oxidised copper

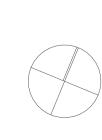


GL1 Clear glass to balustrades, windows and shopfronts Stone Cladding





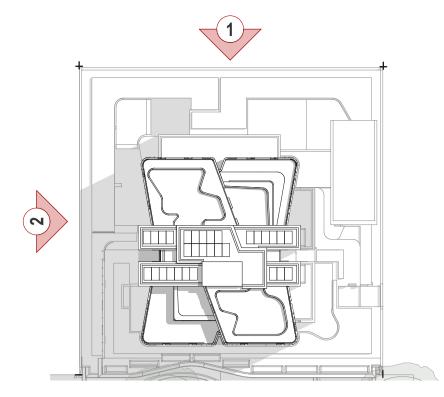
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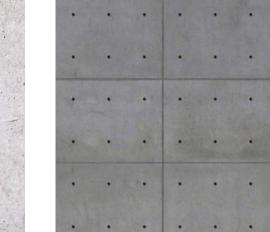
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**KEY PLAN** 

### **MATERIAL PALETTE**





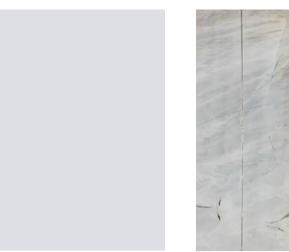












Stone Cladding

Off form concrete - natural

Precast concrete panel cladding

Precast concrete panel cladding - sand coloured pigmentation

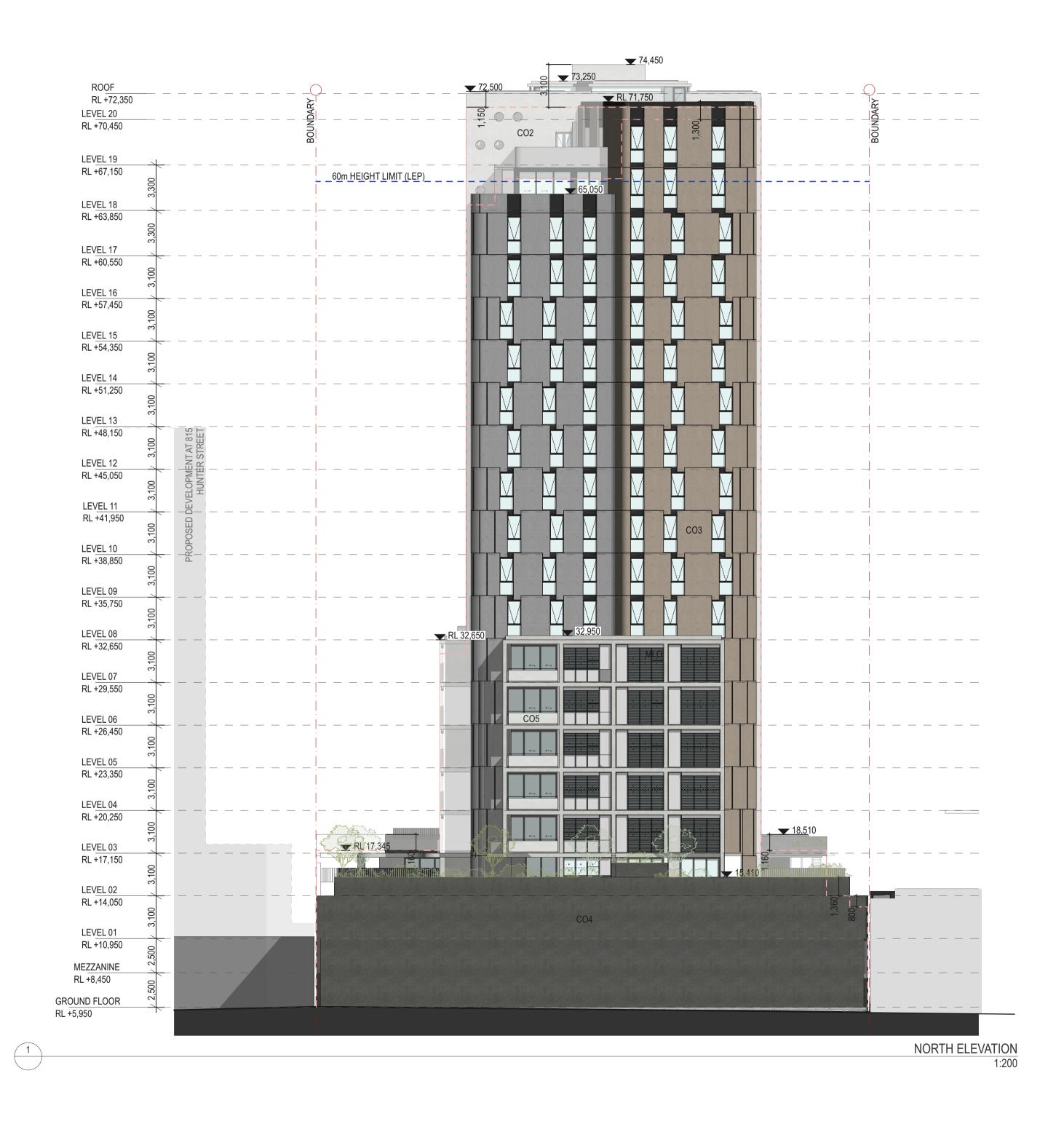
Off form concrete - dark pigmentation

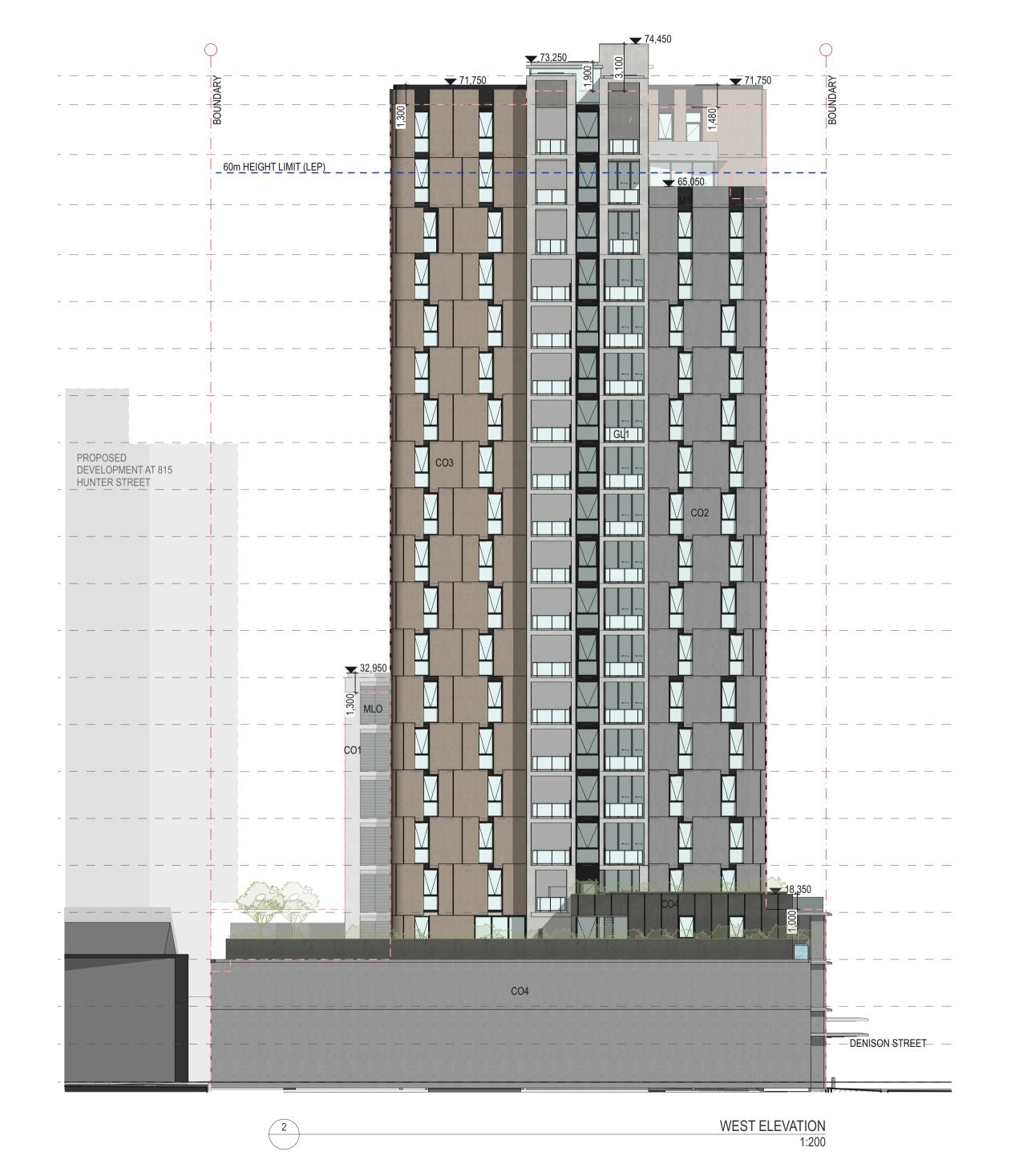
CO5
Off form concrete - light pigmentation

Powder coated metal framing

Oxidised copper

GL1 Clear glass to balustrades, windows and shopfronts Vental External Louvres





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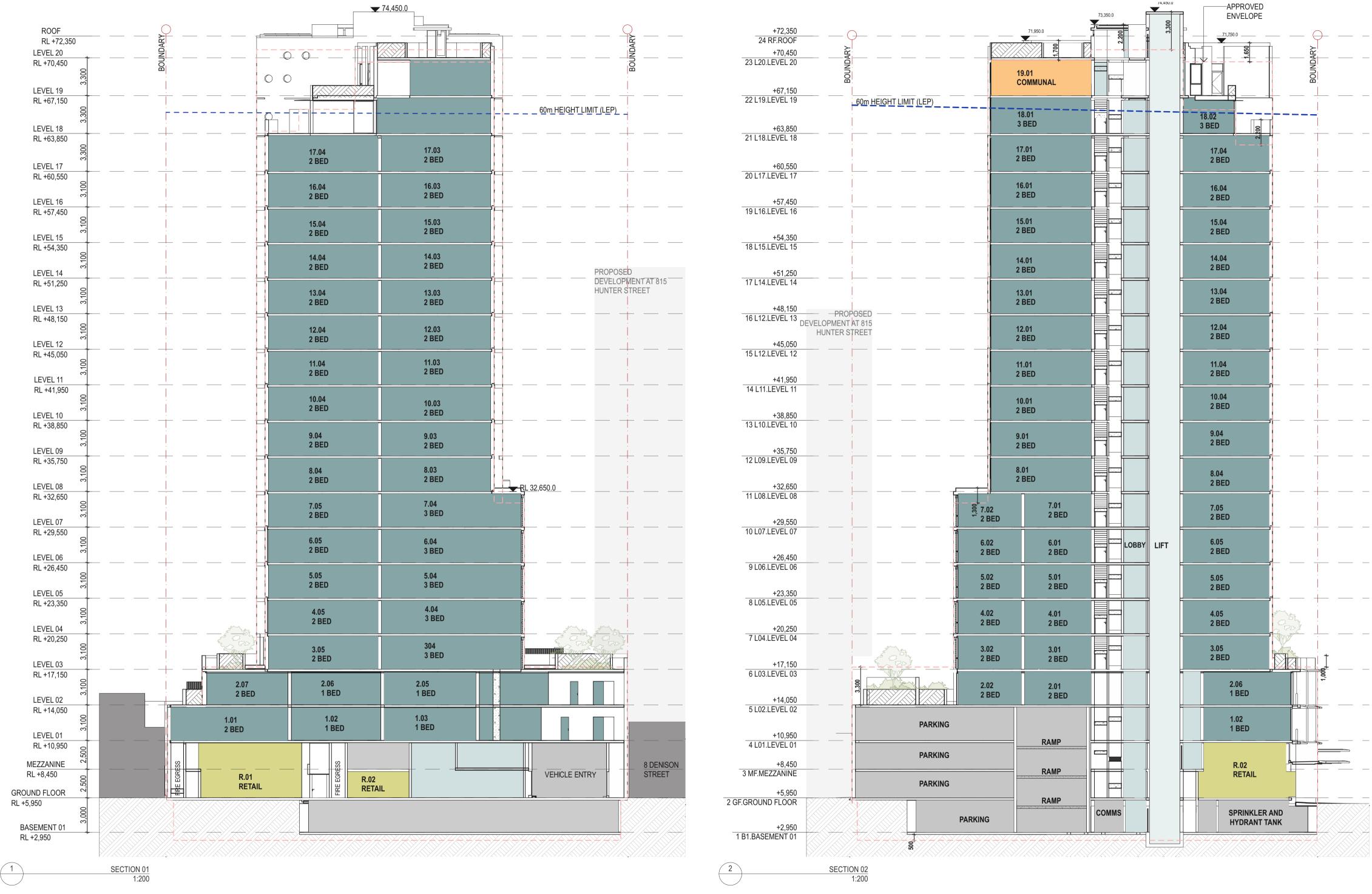
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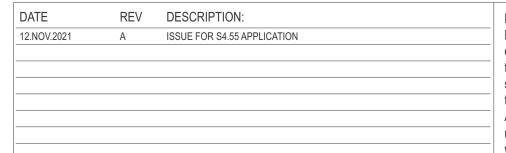
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	Do not scale off drawings. Use figured dimensions only. Report any discrepencies to the architect. These designs, plans,		DENISON STREET	TONKIN ZULAIKHA GREER ARCHITECTS 117 Reservoir Street SECTIONS	СН
	Do not scale off drawings. Use figured dimensions only. Report any discrepencies to the architect. These designs, plans, specifications and the copyright therein are the property of Tonkin Zulaikha Greer		DENISON STREET	TONKIN ZULAIKHA GREER ARCHITECTS 117 Reservoir Street SECTIONS	СН
	Do not scale off drawings. Use figured dimensions only. Report any discrepencies to the architect. These designs, plans, specifications and the copyright therein are the property of Tonkin Zulaikha Greer Architects Pty Ltd, and must not be		DENISON STREET	TONKIN ZULAIKHA GREER ARCHITECTS 117 Reservoir Street SECTIONS	СН
	Do not scale off drawings. Use figured dimensions only. Report any discrepencies to the architect. These designs, plans, specifications and the copyright therein are the property of Tonkin Zulaikha Greer		DENISON STREET	TONKIN ZULAIKHA GREER ARCHITECTS 117 Reservoir Street ABN: 46002722349 P: (02) 9215 4900 F: (02) 9215 4901 SCALES	CHI



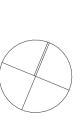






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PROJECT:
DENISON STREET
NEWCASTLE

PROJECT NO: 17032

ARCHITECT

TONKIN ZULAIKHA GREER ARCHITECTS

117 Reservoir Street
ABN: 46002722349
P: (02) 9215 4900
F: (02) 9215 4901
EMAIL info@tzg.com.au
WEB www.tzg.com.au

 DRAWING TITLE
 DRAWN BY

 PHOTOMONTAGE 01
 KP,RM,JM

 CHECKED
 TG

 SCALES
 @A1
 DATE

 12/11/21
 PHASE
 DRAWING NO
 REV

S4.55 APPLICATION

A-401

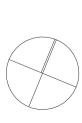




REV	DESCRIPTION:	
Α	ISSUE FOR S4.55 APPLICATION	
	A	A ISSUE FOR S4.55 APPLICATION

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PROJECT:
DENISON STREET NEWCASTLE

PROJECT NO: 17032

TONKIN ZULAIKHA GREER ARCHITECTS

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EMAIL info@tzg.com.au
WEB www.tzg.com.au

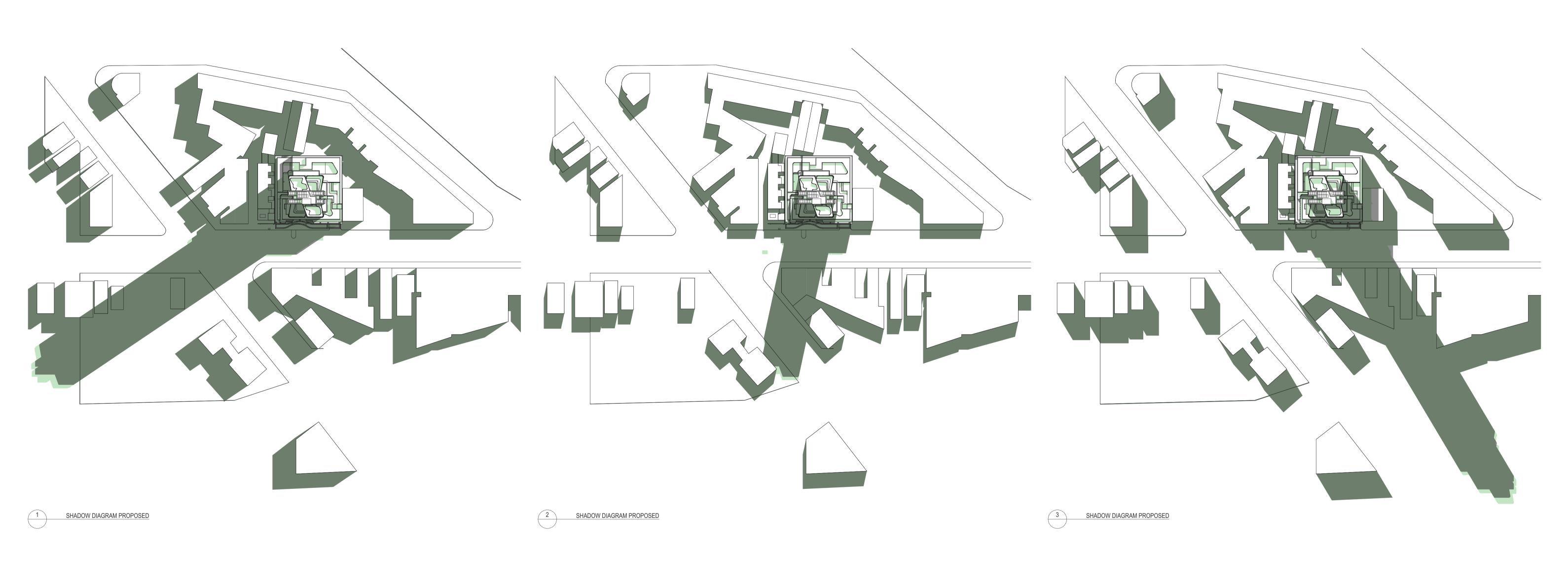
ARCHITECT

S4.55 APPLICATION

DRAWING TITLE DRAWN BY PHOTOMONTAGE 02 CHECKED @A1 DATE

A-402

DRAWING NO



PROJECT:
DENISON STREET

NEWCASTLE

PROJECT NO: 17032

ARCHITECT

ABN: 46002722349 P: (02) 9215 4900 F: (02) 9215 4901

EMAIL info@tzg.com.au

WEB www.tzg.com.au

TONKIN ZULAIKHA GREER ARCHITECTS
117 Reservoir Street

DRAWING TITLE

S4.55 APPLICATION

DRAWN BY

CHECKED

@A1 DATE

A-501

DRAWING NO

KP,RM,JM

12/11/21

Document Set ID: 7206167 Version: 1, Version Date: 29/11/2021

12.NOV.2021

APPROVED DA SHADOWS

REV DESCRIPTION:

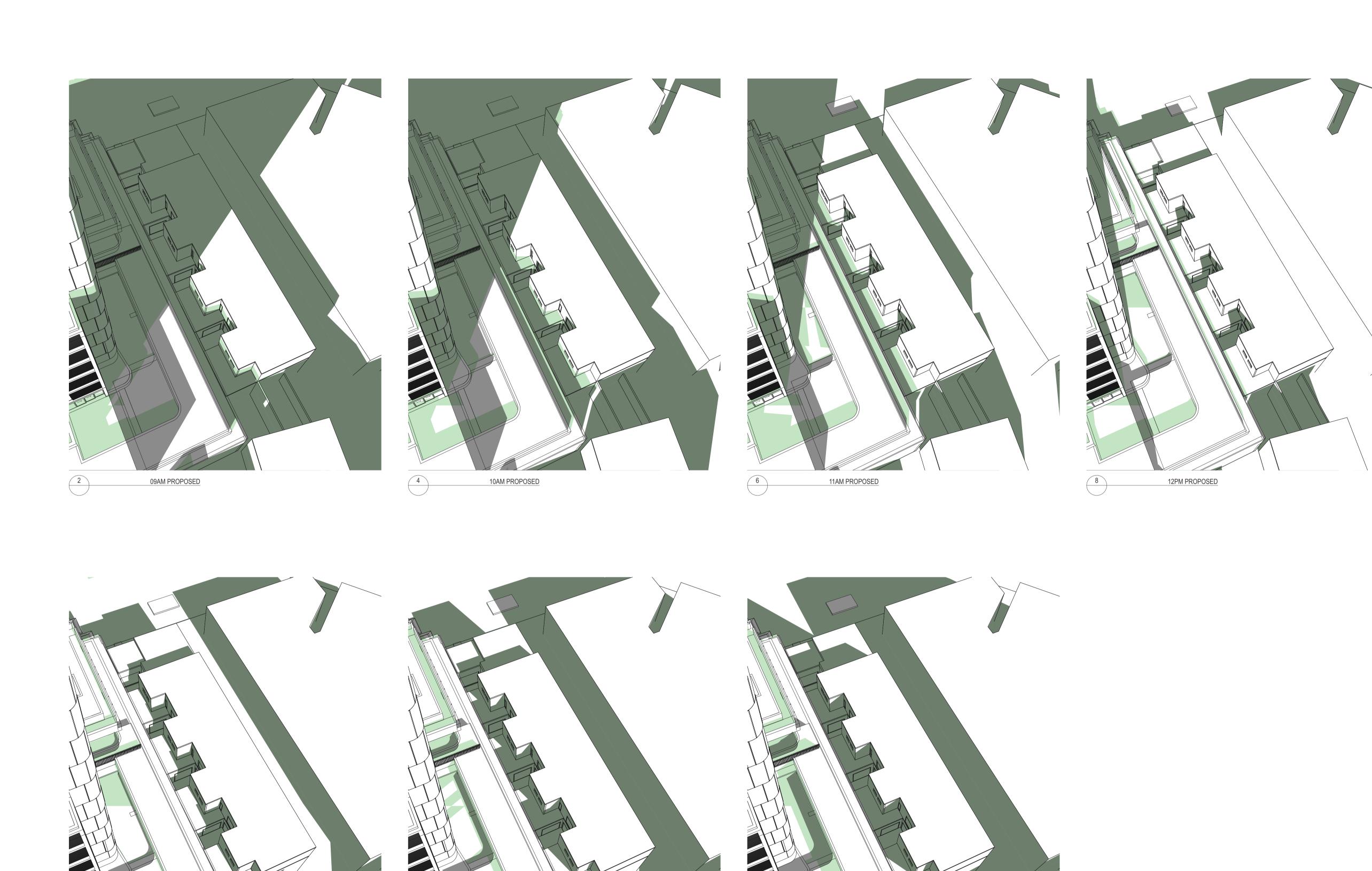
A ISSUE FOR \$4.55 APPLICATION

PROPOSED ADDITIONAL SHADOWS

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12.NOV.2021	A	ISSUE FOR \$4.55 APPLICATION	Do not scale off drawings. Use figured dimensions only. Report any discrepencies to the architect. These designs, plans, specifications and the copyright therein are the property of Tonkin Zulaikha Greer Architects Pty Ltd, and must not be reproduced or copied wholly or in part without written permission of Tonkin Zulaikha Greer Architects Pty Ltd.

1PM PROPOSED

2PM PROPOSED

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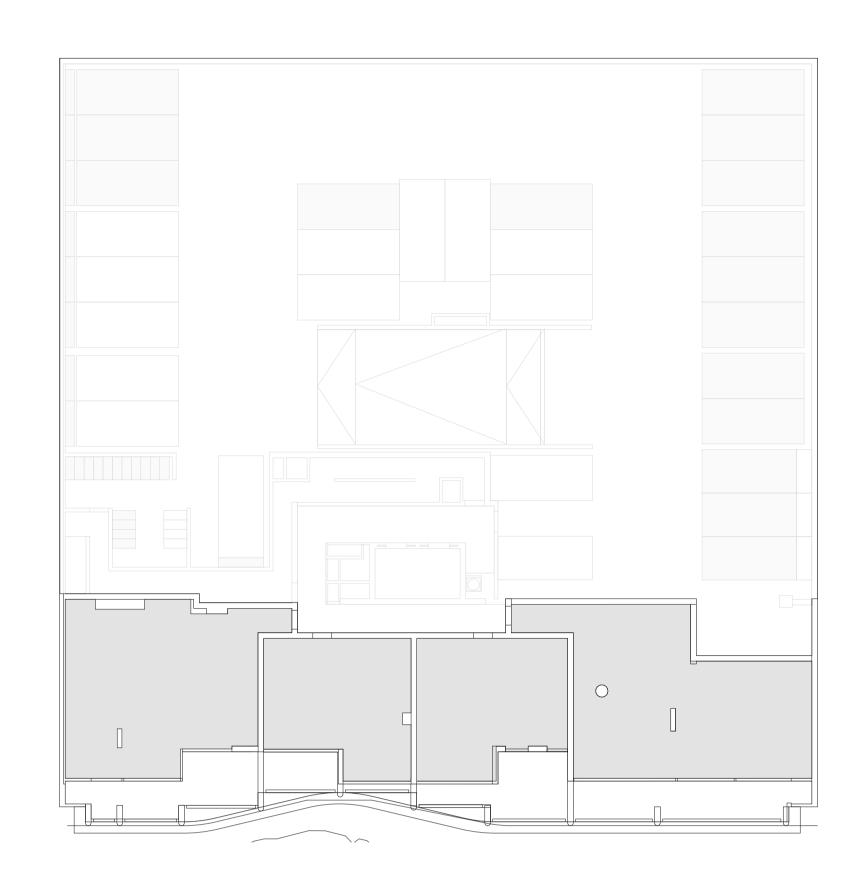
3PM PROPOSED

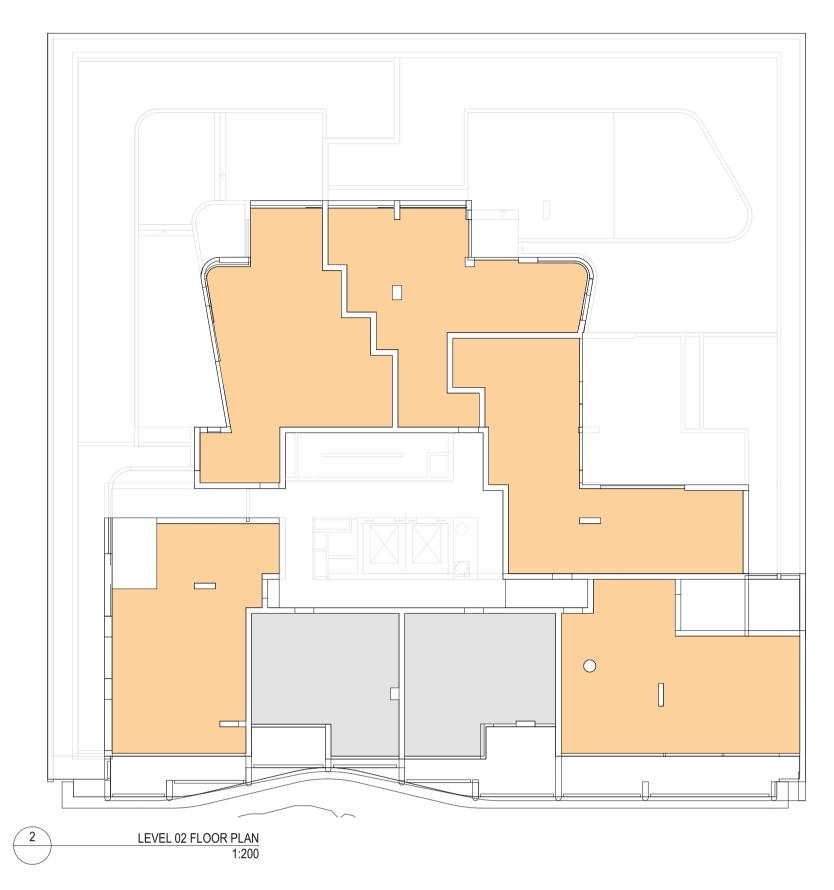
ROJECT:	ARCHITECT
DENISON STREET	TONKIN ZULAIKHA GREER ARCHITECTS
NEWCASTLE	117 Reservoir Street ABN: 46002722349 P: (02) 9215 4900 F: (02) 9215 4901
	EMAIL info@tzg.com.au  WEB www.tzg.com.au  ARCHITECTS

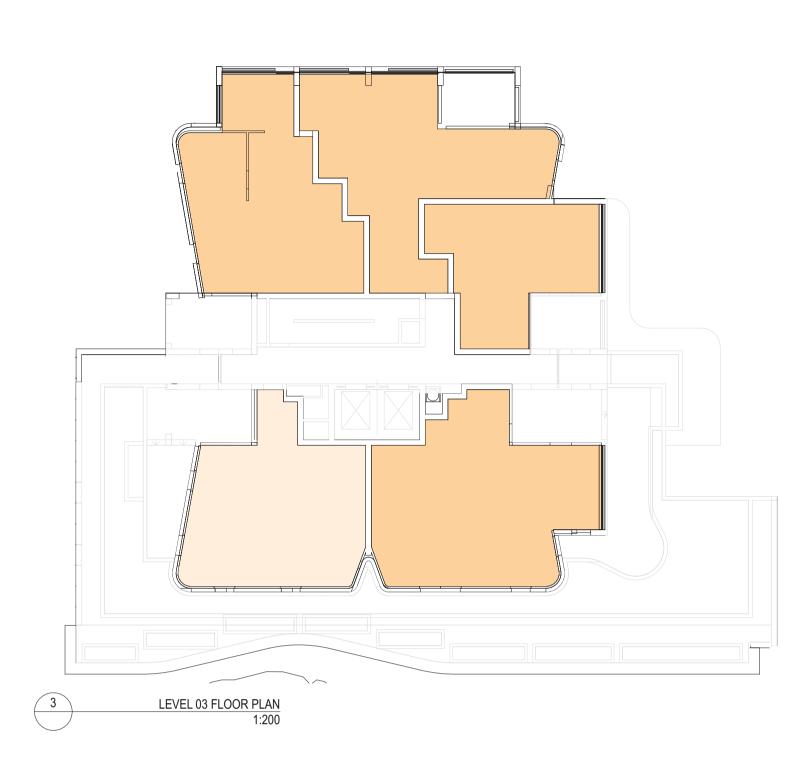
PROJECT NO: 17032

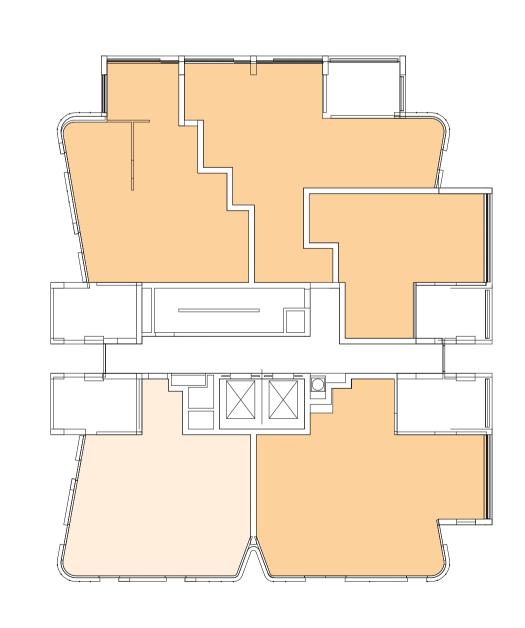
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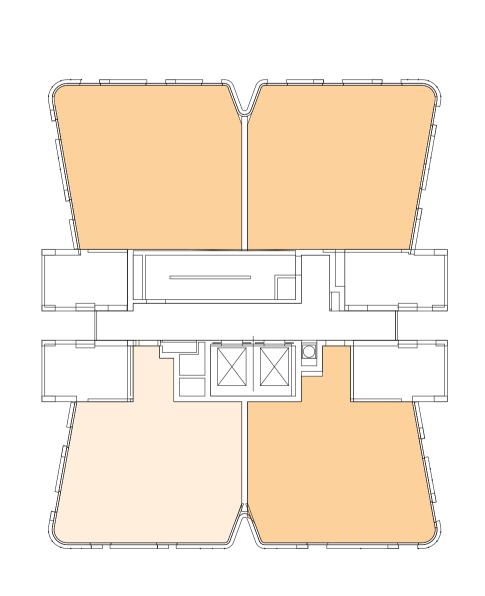
Solar Access				
	No Solar	Solar < 2 Hours	Solar > 2 Hours	Total
Level 01	4	0	0	4
Level 02	2	0	5	7
Level 03	0	1	4	5
Lower Typical Plan (L4-7)	0	4	16	20
Upper Typical Plan (L8-17)	0	10	30	40
Level 18	0	0	2	2
Total	6	14	57	78
Sepp65 REQS	Max 15%	-	Min 70%	-
Proposed %	7%	20%	73%	-

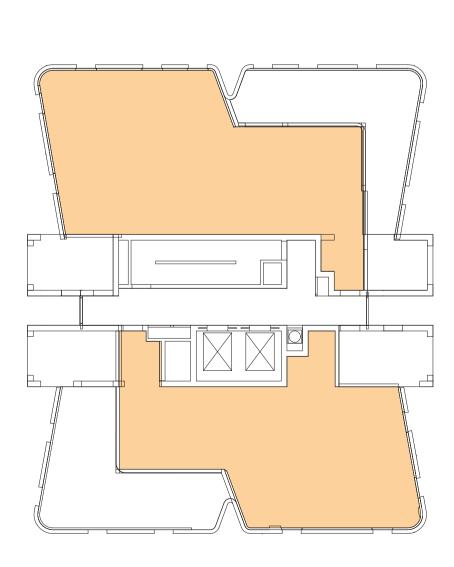












LEVEL 18 FLOOR PLAN 1:200

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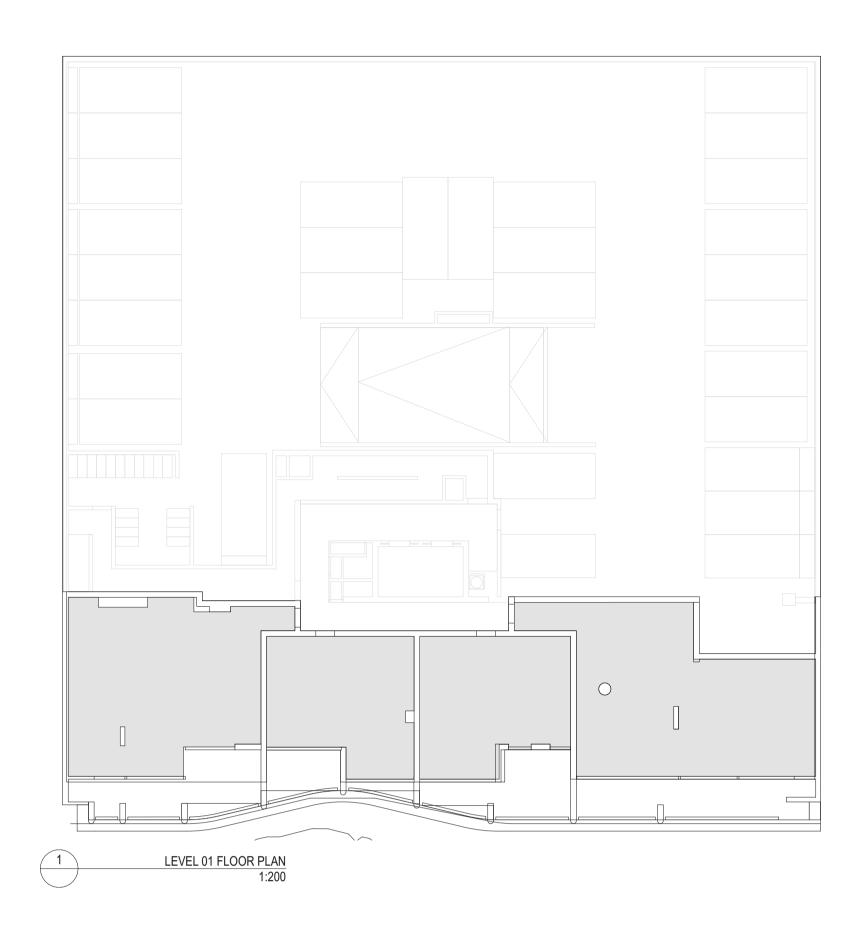
PROJECT: DENISON STREET
NEWCASTLE

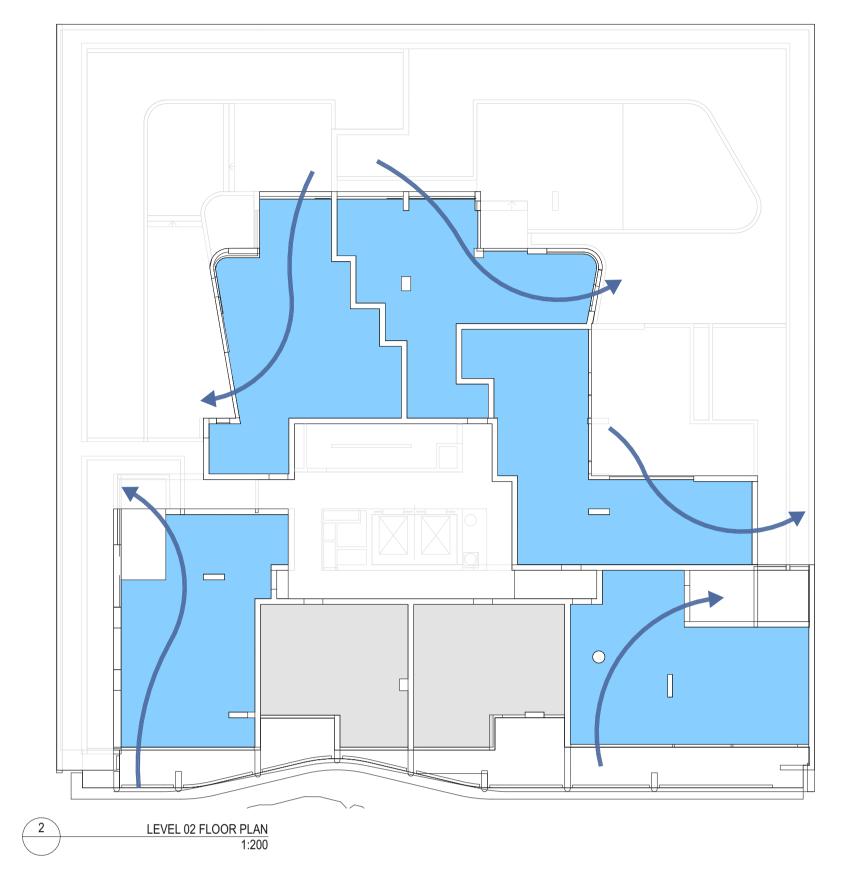
PROJECT NO: 17032

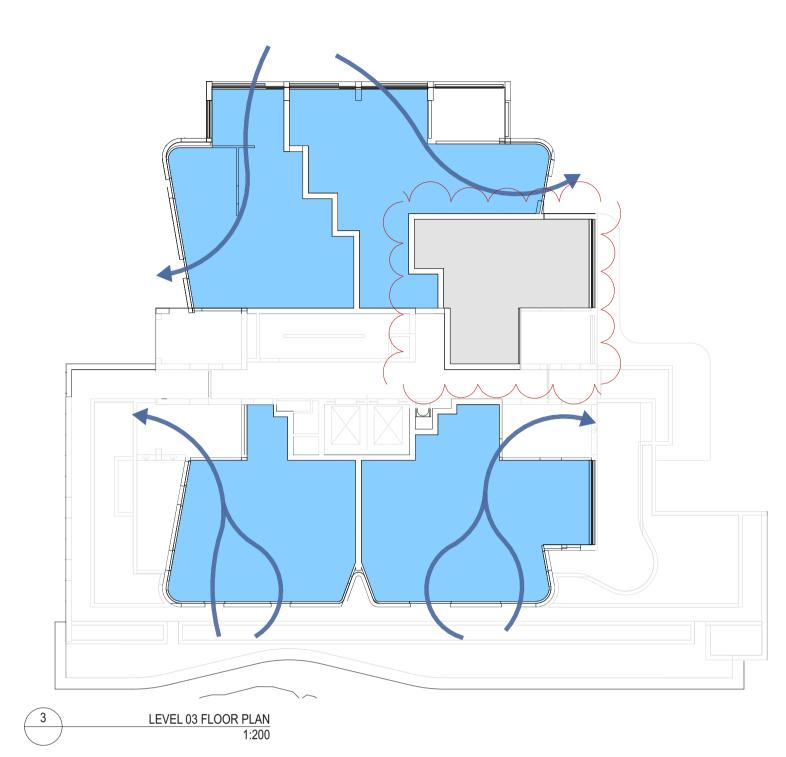
CHITECT		
NKIN ZULAIKHA GREER	ARCHITECTS	
7 Reservoir Street	(0 =	
BN: 46002722349	<b>3.0</b>	
(02) 9215 4900		
(02) 9215 4901	₽=-	
AAIL info@tzg.com.au	ARCHITECTS 2	
EB www.tzg.com.au	<b>~</b>	

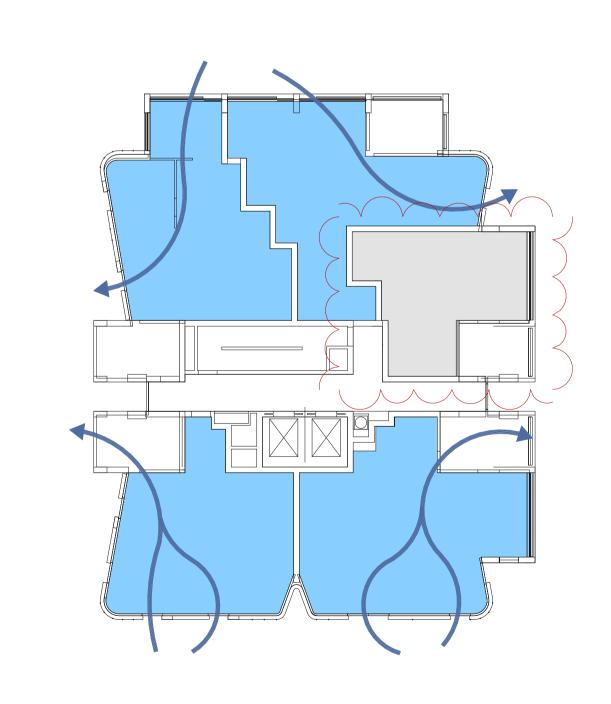
kha	PHASE S4.55 APPLICATION	DRAWING NO	A-601	REV	Α
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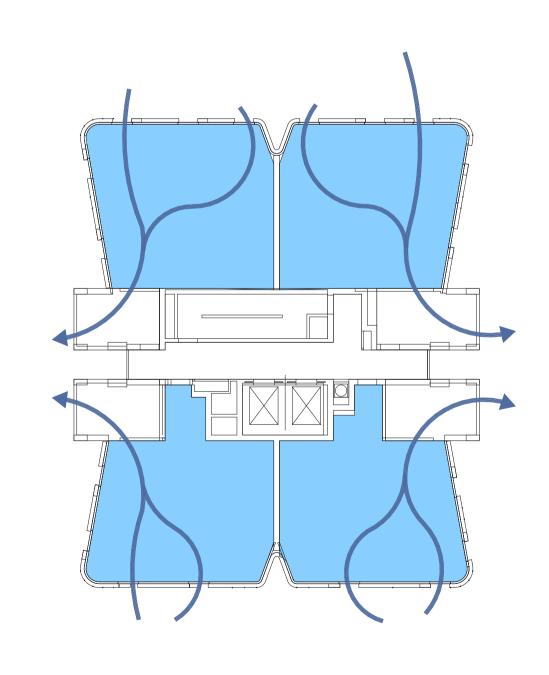
Cross Ventilation Ar	nalysi	S
	Naturally Ventilated Apartments	Total
Level 01	0	4
Level 02	5	7
Level 03	4	5
Lower Typical Plan (Level 4-7)	15	20
Upper Typical Plan (Level 8-17)	40	40
Level 18	2	2
Total	66	78
Sepp65 REQS	Min 60%	
Ratio	85%	

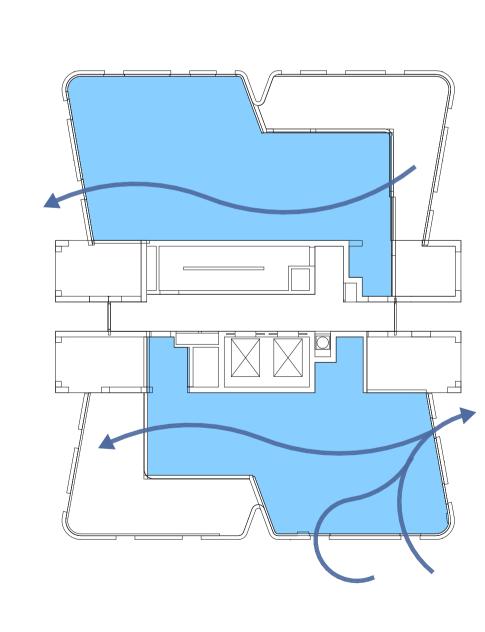












DATE	REV	DESCRIPTION:	NOTES:
12.NOV.2021	Α	ISSUE FOR S4.55 APPLICATION	Do not scale off drawings. Use figured
30.MAR.2022	В	ISSUE FOR S4.55 APPLICATION - UPDATE 02	dimensions only. Report any discrepencies
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5	UPPER TYPICAL PLAN 1:200		

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	F: (02) 9215 4901
	EMAIL info@tzg.com.au  WEB www.tzg.com.au

PROJECT NO: 17032

LEVEL 18 FLOOR PLAN 1:200

	DRAWING TITLE		DRAWN	BY
ECTS	VENTILATION DIAGRAMS			KP,RM,JM
	VENTILATION DIF	AGRAIVIS	CHECKE	ED .
ENE				TG
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cha	PHASE	DRAWING NO	REV	
70	S4.55 APPLICATION	A-602		В

# Landscape Concept Design 20 Denison Street, Newcastle West, NSW 2302

# Landscape Concept Package - FOR DA

12 November 2021

# **Drawing Index:**

Sheet Number	Drawing Title	Scale	Issue
E522_LP_01	Landscape Concept - 2nd Floor	1:100 @ A1	D
E522_LP_02	Landscape Concept - 3rd Floor	1:100 @ A1	D
E522_LP_03	Landscape Concept - 8th Floor	1:100 @ A1	D
E522_LP_04	Landscape Concept - 19th Floor	1:100 @ A1	D
E522_LP_05	Landscape Concept - 20th Floor	1:100 @ A1	D
E522_LP_06	Landscape Elevations 01	1:100 @ A1	D
E522_LP_07	Landscape Elevations 02	1:100 @ A1	D
E522_LP_08	Character Images	_	D
E522_LP_09	Planting Palette Images	-	D
E522_LP_10	Planting Plan - 2nd Floor	1:100 @ A1	D
E522_LP_11	Planting Plan - 3rd Floor	1:100 @ A1	D
E522_LP_12	Planting Plan - 8th Floor	1:100 @ A1	D
E522_LP_13	Planting Plan - 19th Floor	1:100 @ A1	D
E522_LP_14	Planting Plan - 20th Floor	1:100 @ A1	D
E552_LP_15	Landscape Specification, Maintenance Program & Details	As Shown	D







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issue	Code	Issue Description	BÀ	Chk	Date
D	CA	UPDATED FOR DA	NZ	GT	12.11.2
С	CA	FOR DA	NZ	GT	27.10.2
В	PRE	FOR REVIEW	NZ	GT	25.10.2
Α	PRE	FOR DISCUSSION	NZ	GT	20.10.2

**PROJECT** 

PROPOSED DEVELOPMENT 20 DENISON STREET, NEWCASTLE

DRAWING TITLE

LANDSCAPE CONCEPT 2ND FLOOR

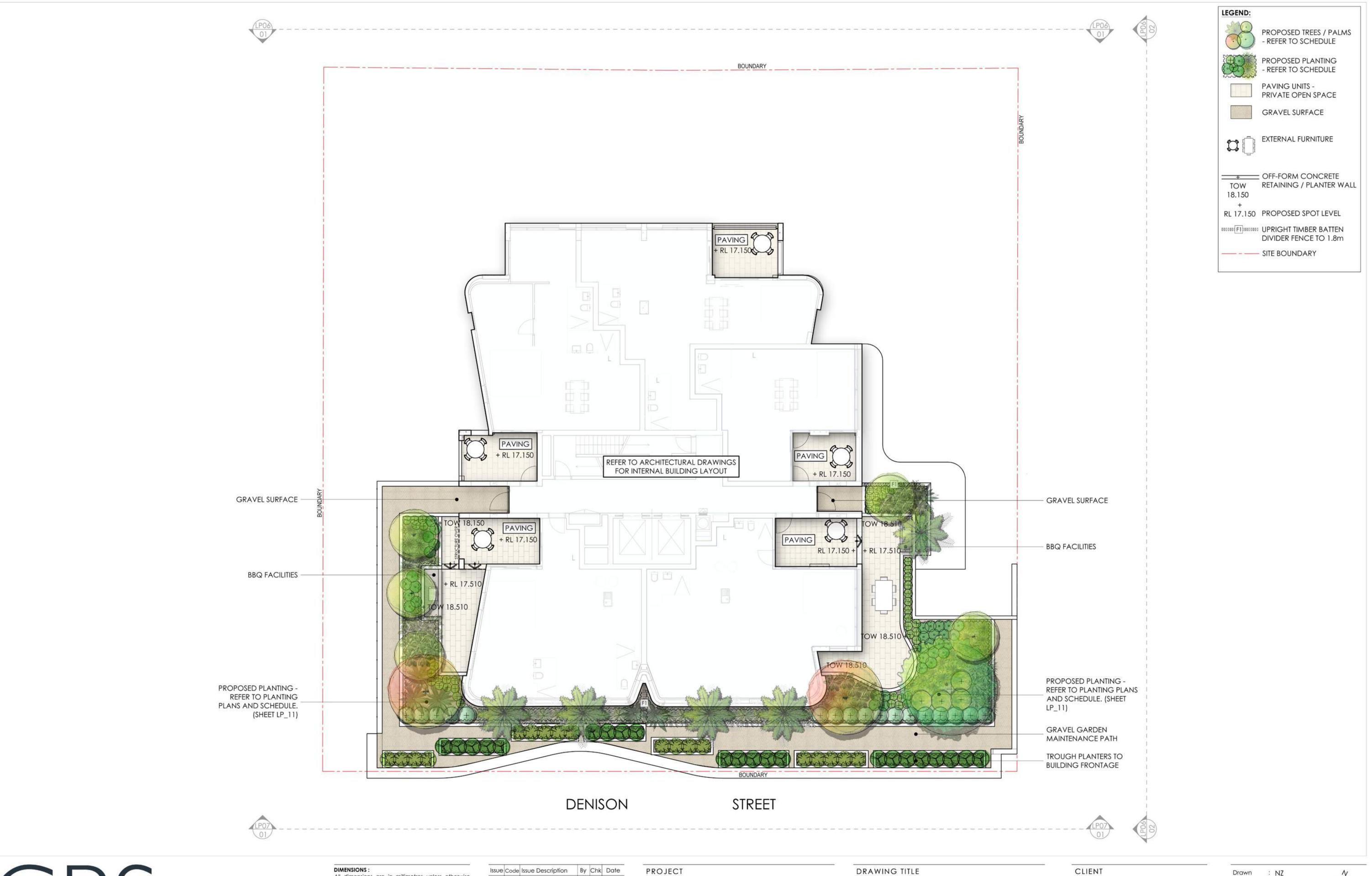
CLIENT

**DENISON STREET** APARTMENTS P/L Drawn : NZ Bar Scale

Designed : NZ Project No.: E522

1:100 @ A1 / 1:200 @ A3 SHEET NUMBER E522\_LP\_01 REVISION

D





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issue	Code	issue Description	ВУ	Cnk	Date
D	CA	UPDATED FOR DA	NZ	GT	12.11.
С	CA	FOR DA	NZ	GT	27.10.
В	PRE	FOR REVIEW	NZ	GT	25.10.
Α	PRE	FOR DISCUSSION	NZ	GT	20.10.

**PROJECT** 

PROPOSED DEVELOPMENT 20 DENISON STREET, **NEWCASTLE** 

LANDSCAPE CONCEPT 3RD FLOOR

CLIENT

**DENISON STREET** APARTMENTS P/L Bar Scale

Drawn : NZ Designed : NZ Project No.: E522

1:100 @ A1 / 1:200 @ A3 SHEET NUMBER E522\_LP\_02

REVISION D





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certification purposes.

are indicative only and not for construction or

12206	Code	issue pescripiion	Бу	CHK	Duie
D	CA	UPDATED FOR DA	NZ	GT	12.11.
С	CA	FOR DA	NZ	GT	27.10.
В	PRE	FOR REVIEW	NZ	GT	25.10.
Α	PRE	FOR DISCUSSION	NZ	GT	20.10.

PROPOSED DEVELOPMENT 20 DENISON STREET, NEWCASTLE

LANDSCAPE CONCEPT 8TH FLOOR

**DENISON STREET** APARTMENTS P/L Designed : NZ Project No.: E522 Bar Scale

1:100 @ A1 / 1:200 @ A3

SHEET NUMBER E522\_LP\_03 REVISION D



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Issue Code Issue Description By Chk Date D CA UPDATED FOR DA NZ GT 12.11.21 C CA FORDA NZ GT 27.10.21 NZ GT 25.10.21 B PRE FOR REVIEW A PRE FOR DISCUSSION NZ GT 20.10.21 PRE - Preliminary CA - Council Approval T - Tender CON - Construction

PROJECT

PROPOSED DEVELOPMENT 20 DENISON STREET, NEWCASTLE

DRAWING TITLE

LANDSCAPE CONCEPT 19TH FLOOR

CLIENT

**DENISON STREET** APARTMENTS P/L Drawn : NZ Designed : NZ Bar Scale

Project No.: E522 1:100 @ A1 / 1:200 @ A3

SHEET NUMBER E522\_LP\_04

REVISION D





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issue	Code	issue Description	Ву	Cnk	Date
D	CA	UPDATED FOR DA	NZ	GT	12.11.
С	CA	FOR DA	NZ	GT	27.10.
В	PRE	FOR REVIEW	NZ	GT	25.10.2
Α	PRE	FOR DISCUSSION	NZ	GT	20.10.2

PROPOSED DEVELOPMENT 20 DENISON STREET, NEWCASTLE

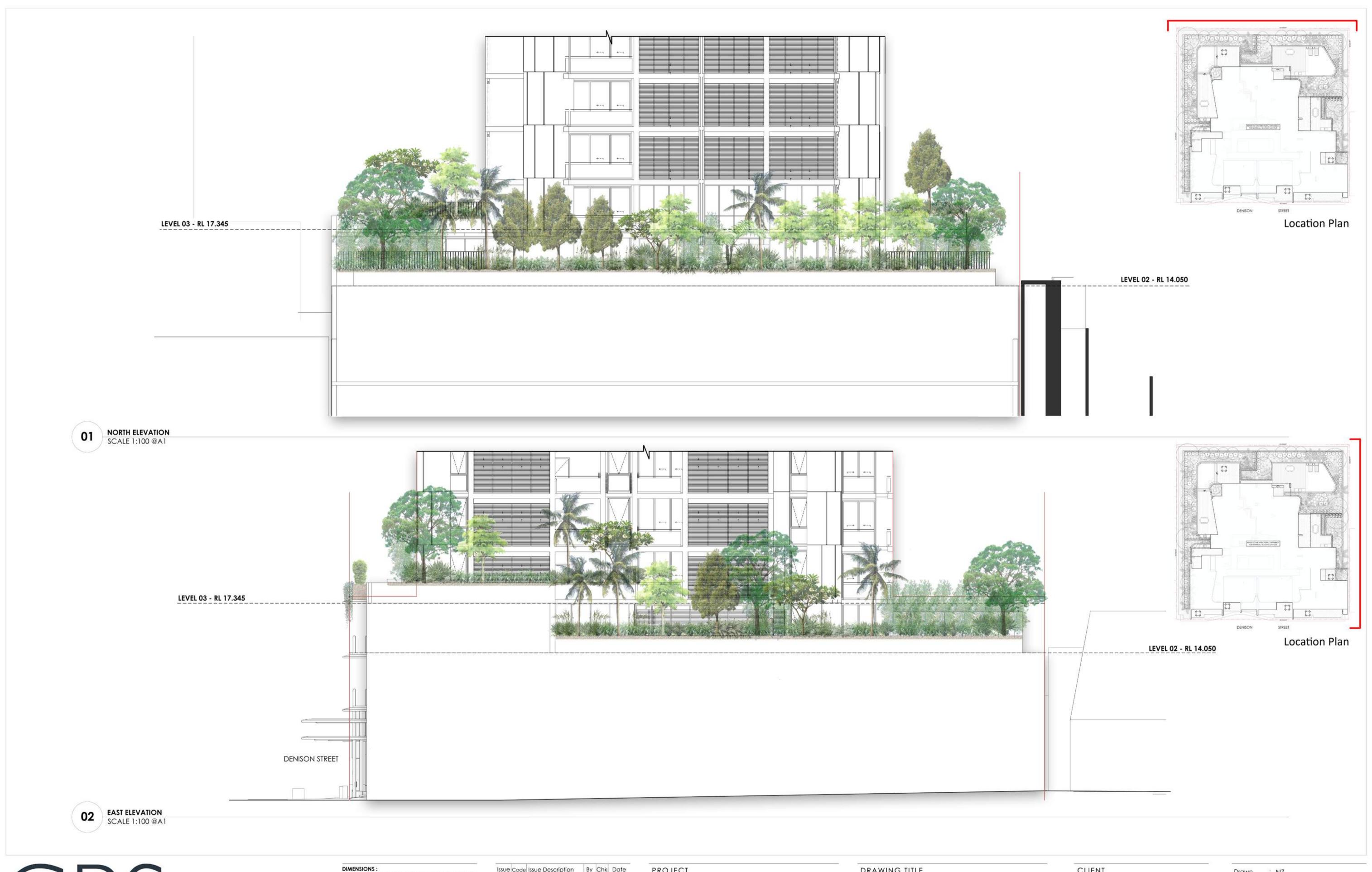
LANDSCAPE CONCEPT 20TH FLOOR

**DENISON STREET** APARTMENTS P/L Project No.: E522 Bar Scale

REVISION

D

1:100 @ A1 / 1:200 @ A3 SHEET NUMBER E522\_LP\_05





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13300	Code	1330C Description		CITIC	Daic
D	CA	UPDATED FOR DA	NZ	GT	12.11.21
С	CA	FOR DA	NZ	GT	27.10.21
В	PRE	FOR REVIEW	NZ	GT	25.10.21
Α	PRE	FOR DISCUSSION	NZ	GT	20.10.21

**PROJECT** 

PROPOSED DEVELOPMENT 20 DENISON STREET, NEWCASTLE

DRAWING TITLE

LANDSCAPE ELEVATIONS 01

CLIENT

DENISON STREET

Drawn : NZ Designed : NZ Project No.: E522

APARTMENTS P/L

SHEET NUMBER E522\_LP\_06

REVISION D





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13300	Code	issue pescripiion	Uy	CITA	Duie
D	CA	UPDATED FOR DA	NZ	GT	12.11.21
С	CA	FOR DA	NZ	GT	27.10.21
В	PRE	FOR REVIEW	NZ	GT	25.10.21
Α	PRE	FOR DISCUSSION	NZ	GT	20.10.21

**PROJECT** 

PROPOSED DEVELOPMENT 20 DENISON STREET, NEWCASTLE

DRAWING TITLE

LANDSCAPE ELEVATIONS 02

CLIENT

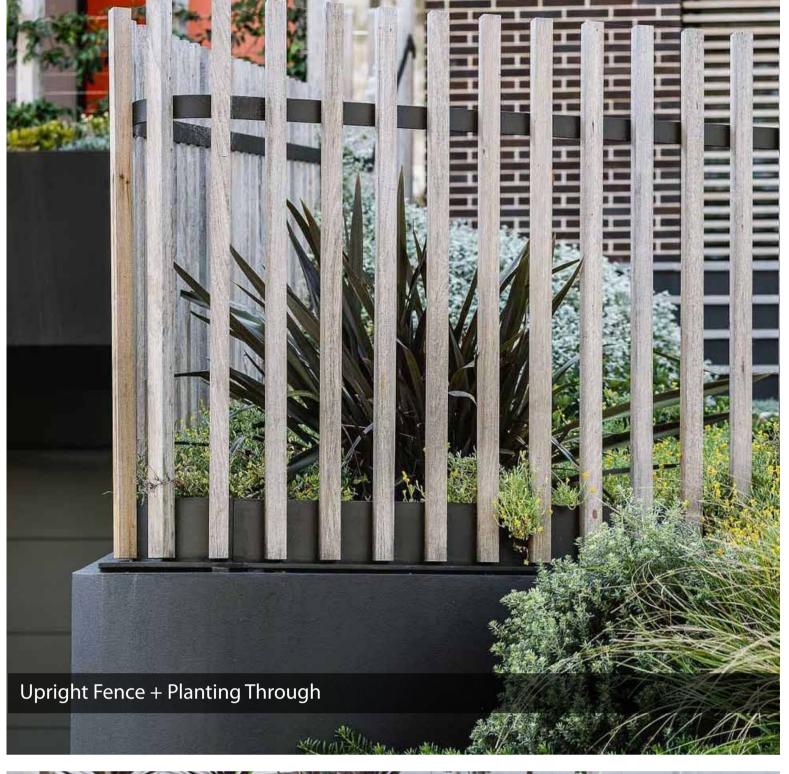
**DENISON STREET** APARTMENTS P/L

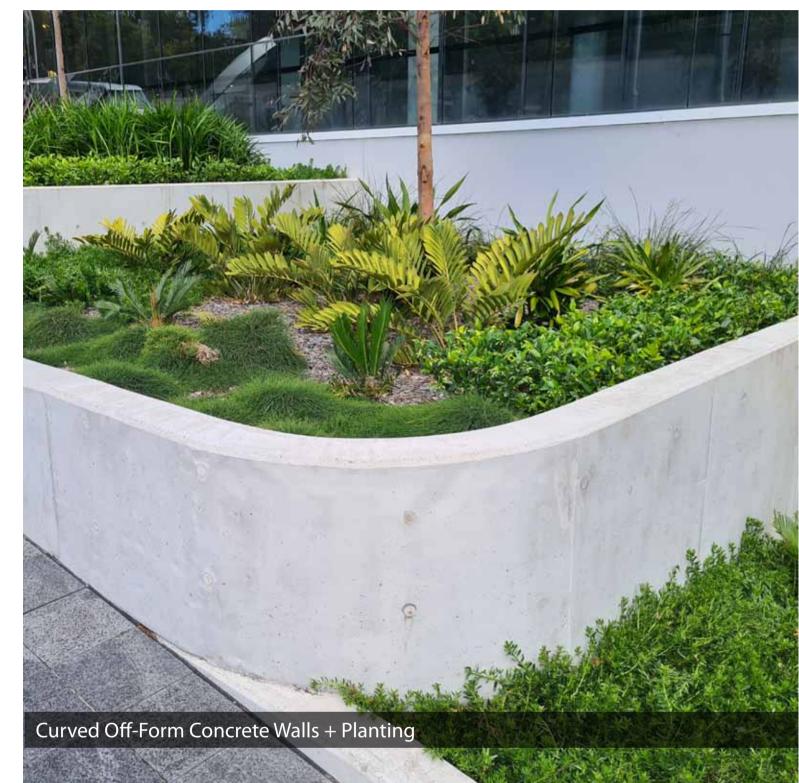
Drawn : NZ Designed : NZ Project No.: E522

SHEET NUMBER E522\_LP\_07 REVISION D





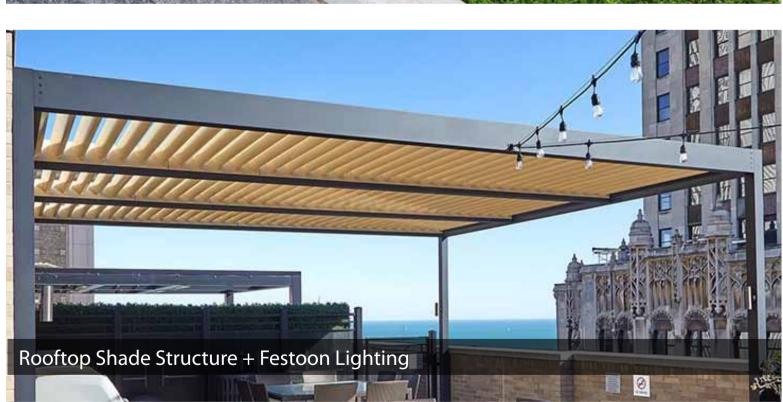


















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Issue	Code	Issue Description	Ву	Chk	Date
D	СА	UPDATED FOR DA	NZ	GT	12.11.2
С	CA	FOR DA	NZ	GT	27.10.2
В	PRE	FOR REVIEW	NZ	GT	25.10.2
Α	PRE	FOR DISCUSSION	NZ	GT	20.10.2
PRE - Preliminary CA - Council Approval T - Tender CON - Construction					

PROPOSED DEVELOPMENT 20 DENISON STREET, NEWCASTLE

PROJECT

DRAWING TITLE

CHARACTER IMAGE BOARD

CLIENT

**DENISON STREET** APARTMENTS P/L

Drawn : NZ Designed : NZ Project No.: E522

SHEET NUMBER E522\_LP\_08



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D	СА	UPDATED FOR DA	NZ	GT	12.11.2
С	CA	FOR DA	NZ	GT	27.10.2
В	PRE	FOR REVIEW	NZ	GT	25.10.2
Α	PRE	FOR DISCUSSION	NZ	GT	20.10.2
PRE - Preliminary CA - Council Approval T - Tender CON - Construction					

PROPOSED DEVELOPMENT 20 DENISON STREET, NEWCASTLE

PROJECT

DRAWING TITLE

PLANTING PALETTE **IMAGES** 

CLIENT

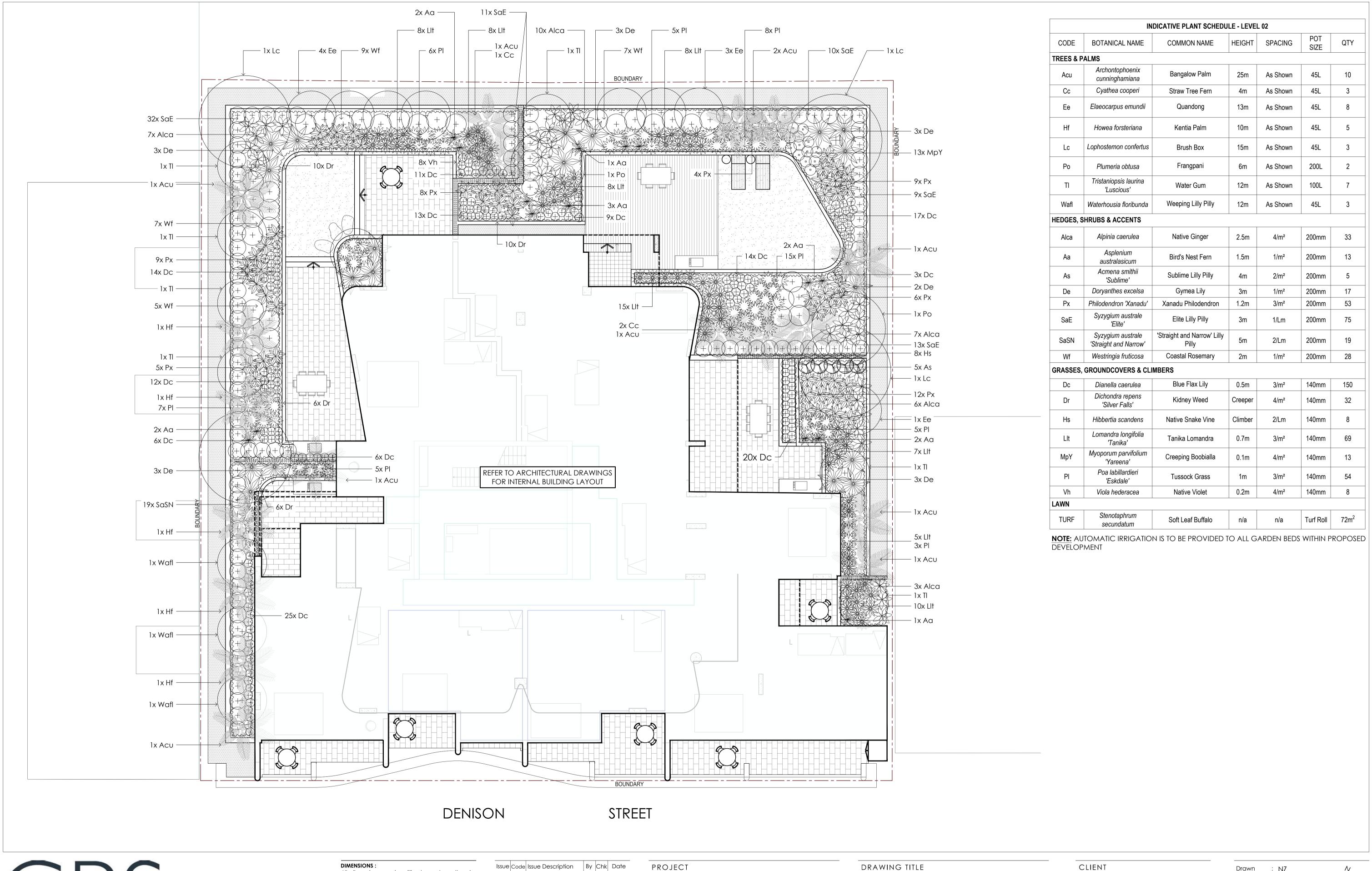
**DENISON STREET** 

Drawn : NZ Designed : NZ Project No.: E522

APARTMENTS P/L

Note: Partial planting palette shown. For full planting list, refer to indicative planting schedules

SHEET NUMBER E522\_LP\_09





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PRE - Preliminary CA - Council Approval T - Tender CON - Construction							

PROPOSED DEVELOPMENT 20 DENISON STREET, NEWCASTLE

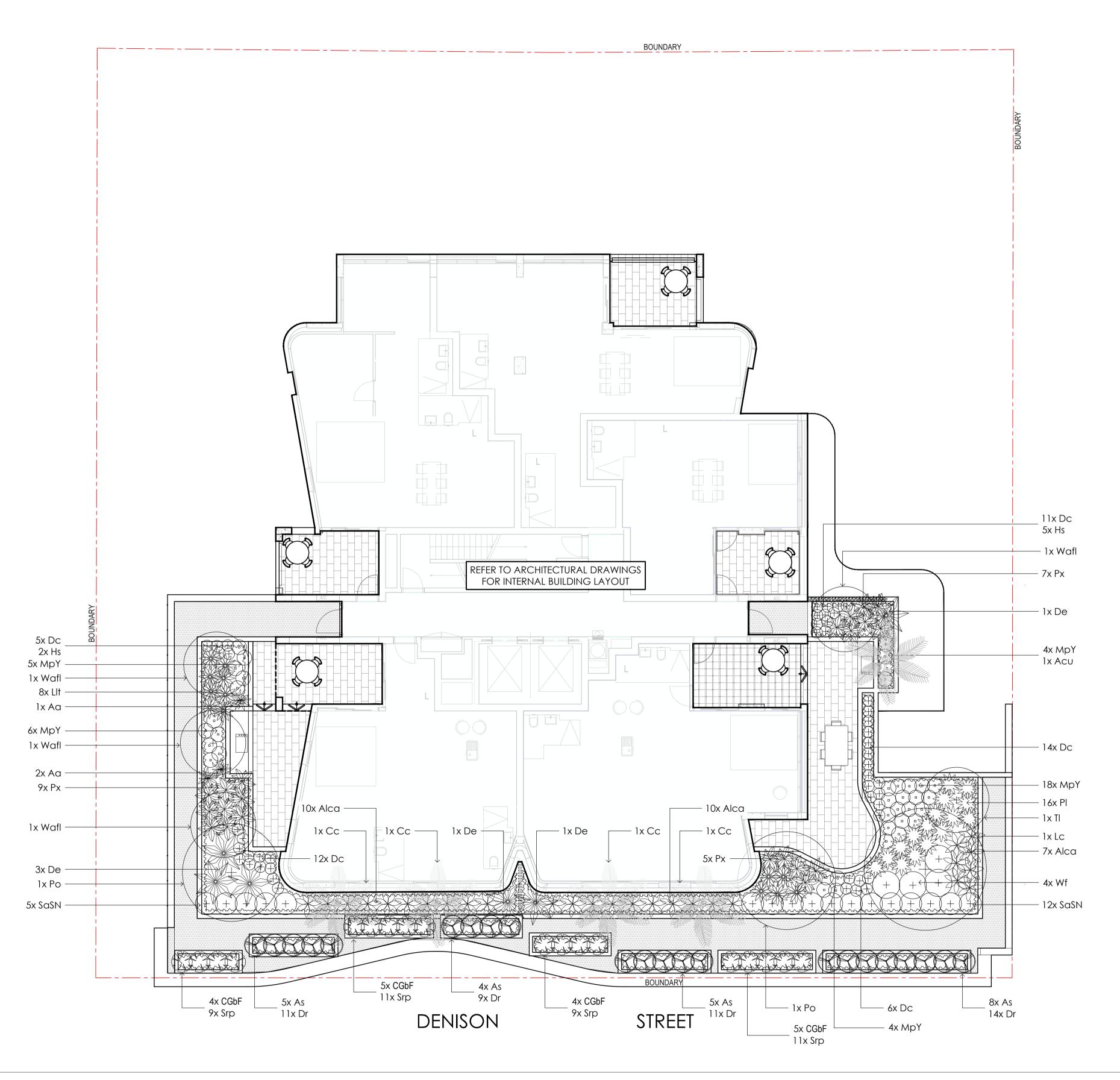
PLANTING PLAN 2ND FLOOR

CLIENT

**DENISON STREET** APARTMENTS P/L Drawn : NZ Designed : NZ Bar Scale

Project No.: E522

1:100 @ A1 / 1:200 @ A3 SHEET NUMBER E522\_LP\_10





NOTE: AUTOMATIC IRRIGATION IS TO BE PROVIDED TO ALL GARDEN BEDS WITHIN PROPOSED DEVELOPMENT

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PROPOSED DEVELOPMENT 20 DENISON STREET, NEWCASTLE

PROJECT

DRAWING TITLE

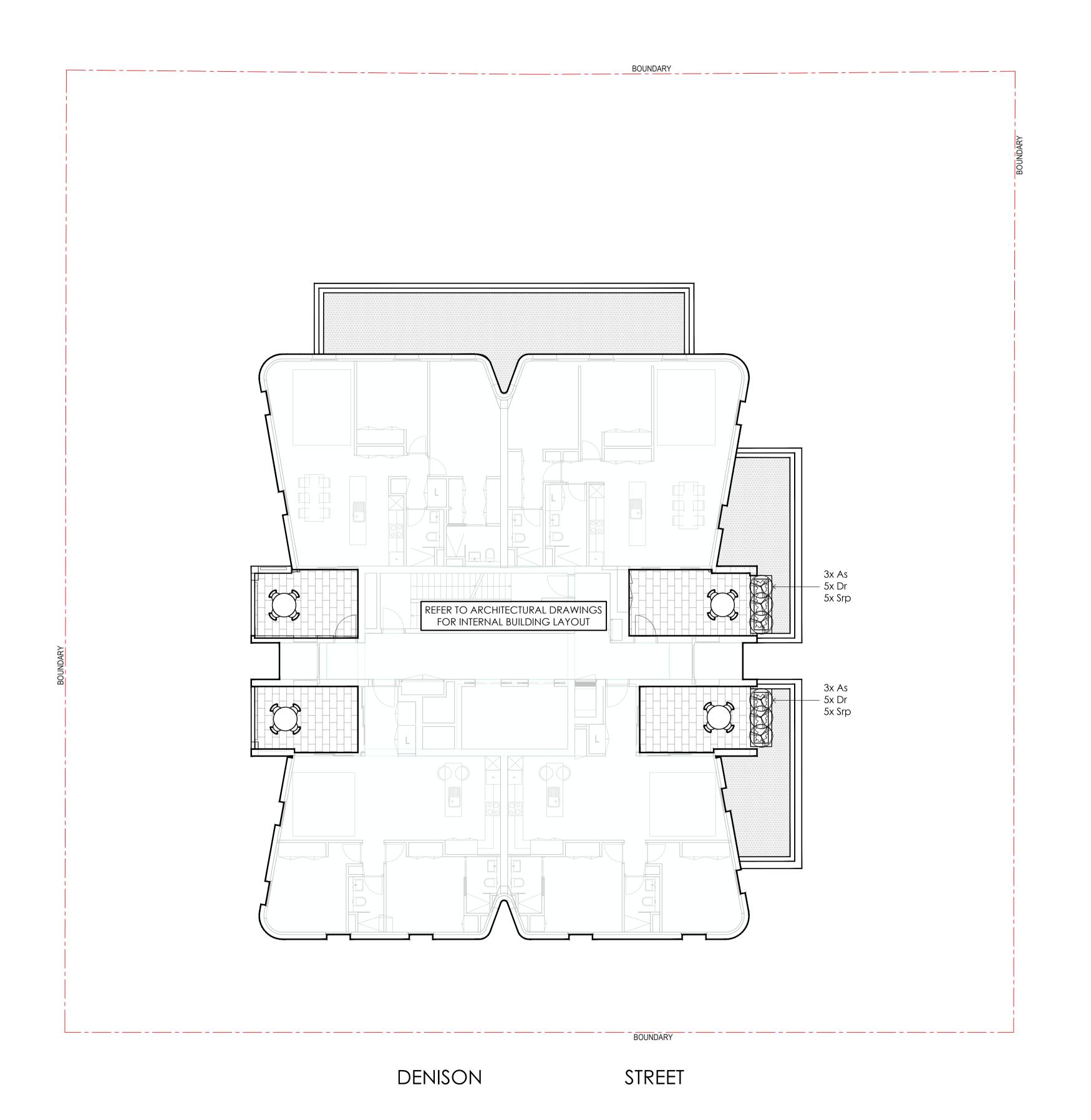
PLANTING PLAN 3RD FLOOR

CLIENT

**DENISON STREET** APARTMENTS P/L Drawn : NZ Designed : NZ Project No.: E522 Bar Scale

1:100 @ A1 / 1:200 @ A3 SHEET NUMBER REVISION E522\_LP\_11

D



INDICATIVE PLANT SCHEDULE - LEVEL 08 POT SIZE CODE BOTANICAL NAME COMMON NAME **HEDGES, SHRUBS & ACCENTS** Acmena smithii 200mm 22 'Sublime' **GRASSES, GROUNDCOVERS & CLIMBERS** Dichondra repens 140mm 'Silver Falls' Salvia rosmarinus Prostrate Rosemary 140mm Creeper prostratus

NOTE: AUTOMATIC IRRIGATION IS TO BE PROVIDED TO ALL GARDEN BEDS WITHIN PROPOSED DEVELOPMENT

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PROJECT

PROPOSED DEVELOPMENT 20 DENISON STREET, NEWCASTLE

DRAWING TITLE

PLANTING PLAN 8TH FLOOR

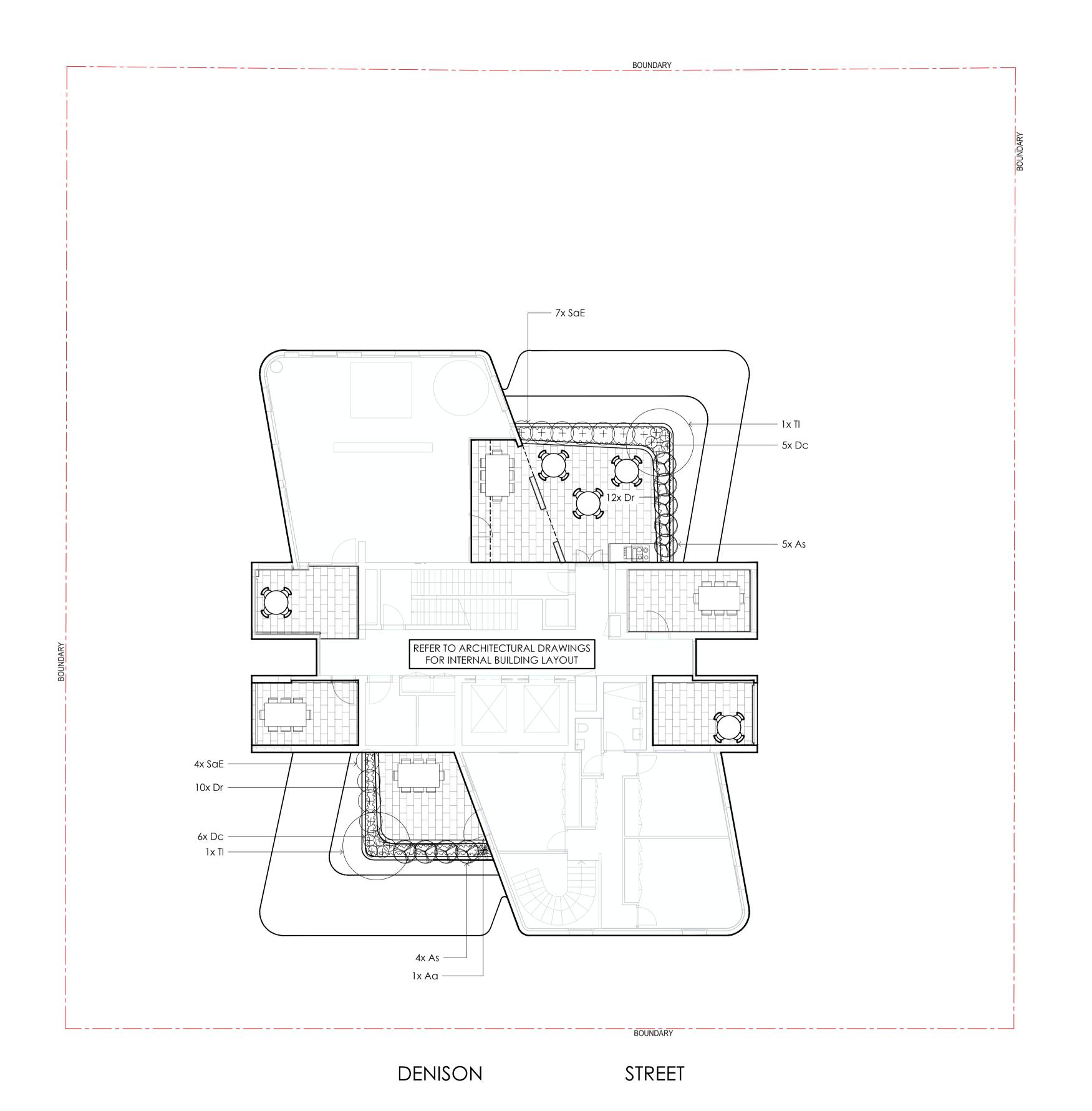
CLIENT

**DENISON STREET** APARTMENTS P/L Bar Scale

Drawn : NZ Designed : NZ Project No.: E522

1:100 @ A1 / 1:200 @ A3

SHEET NUMBER E522\_LP\_12 REVISION D



INDICATIVE PLANT SCHEDULE - LEVEL 19 POT SIZE CODE BOTANICAL NAME COMMON NAME TREES & PALMS Tristaniopsis laurina As Shown 100L **HEDGES, SHRUBS & ACCENTS** Asplenium 200mm Bird's Nest Fern australasicum Acmena smithii Sublime Lilly Pilly 200mm 'Sublime' Syzygium australe Elite Lilly Pilly 1/Lm 200mm **GRASSES, GROUNDCOVERS & CLIMBERS** Blue Flax Lily Dianella caerulea 140mm 11 Dichondra repens 140mm 'Silver Falls'

NOTE: AUTOMATIC IRRIGATION IS TO BE PROVIDED TO ALL GARDEN BEDS WITHIN PROPOSED DEVELOPMENT

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CIVIL, STRUCTURAL, HYDRAULIC, ELECTRICAL AND

Issue Code Issue Description By Chk Date D CA UPDATED FOR DA NZ GT 12.11.21 C CA FOR DA NZ GT 27.10.21 B PRE FOR REVIEW NZ GT 25.10.21 A PRE FOR DISCUSSION NZ GT 20.10.21

PRE - Preliminary CA - Council Approval T - Tender CON - Construction

PROJECT

PROPOSED DEVELOPMENT 20 DENISON STREET, NEWCASTLE

DRAWING TITLE

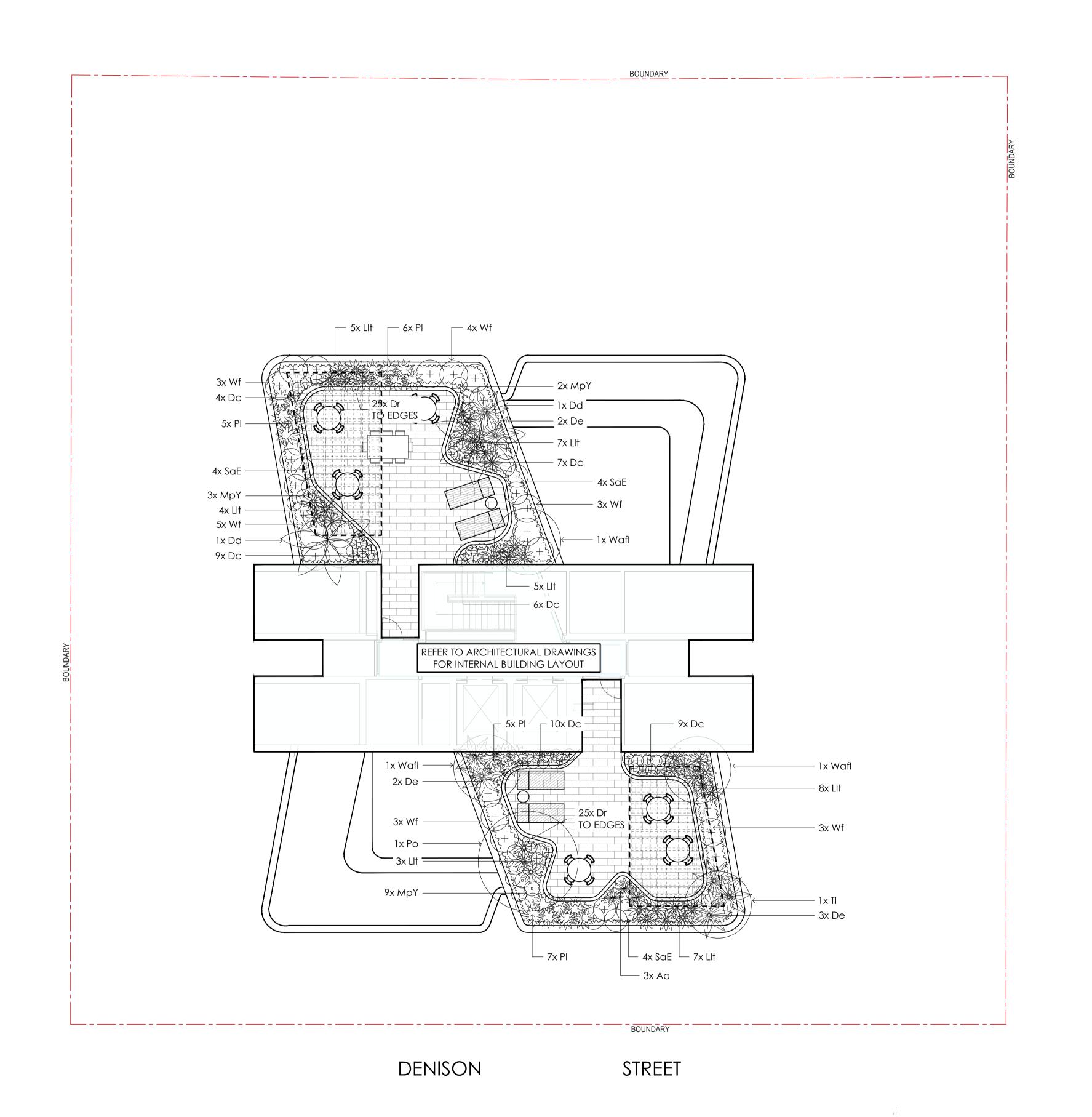
PLANTING PLAN 19TH FLOOR

CLIENT

**DENISON STREET** APARTMENTS P/L

Drawn : NZ Designed : NZ Project No.: E522 Bar Scale

1:100 @ A1 / 1:200 @ A3 SHEET NUMBER E522\_LP\_13 REVISION D



INDICATIVE PLANT SCHEDULE - LEVEL 20 POT SIZE **BOTANICAL NAME** COMMON NAME HEIGHT SPACING CODE TREES & PALMS Dragon Tree 100L Dracaena draco 6m As Shown 200L Frangpani Plumeria obtusa As Shown Tristaniopsis laurina 100L Water Gum As Shown 'Luscious' Weeping Lilly Pilly 12m 45L Waterhousia floribunda As Shown HEDGES, SHRUBS & ACCENTS Asplenium  $1/m^2$ 200mm Bird's Nest Fern australasicum Doryanthes excelsa Gymea Lily 200mm Syzygium australe Elite Lilly Pilly 200mm Coastal Rosemary Westringia fruticosa 200mm 21 GRASSES, GROUNDCOVERS & CLIMBERS Blue Flax Lily Dianella caerulea 0.5m 140mm 21 Dichondra repens Kidney Weed 140mm Creeper 'Silver Falls' Lomandra longifolia 0.7m 140mm Tanika Lomandra Myoporum parvifolium Creeping Boobialla 0.1m 140mm 'Yareena' Poa labillardieri Tussock Grass 1m 140mm 'Eskdale'

NOTE: AUTOMATIC IRRIGATION IS TO BE PROVIDED TO ALL GARDEN BEDS WITHIN PROPOSED DEVELOPMENT

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PROJECT

PROPOSED DEVELOPMENT 20 DENISON STREET, NEWCASTLE

DRAWING TITLE

PLANTING PLAN 20TH FLOOR

CLIENT

**DENISON STREET** APARTMENTS P/L Drawn : NZ Bar Scale

Designed : NZ Project No.: E522

1:100 @ A1 / 1:200 @ A3 SHEET NUMBER E522\_LP\_14

#### PRELIMINARY SPECIFICATION

ARBORIST MANAGEMENT OF TREE PROTECTION

BEFORE LANDSCAPE WORK IS COMMENCED THE LANDSCAPE CONTRACTOR IS TO ESTABLISH THE POSITION OF ALL SERVICE LINES AND ENSURE TREE PLANTING IS CARRIED OUT A SUFFICIENT DISTANCE AWAY FROM THESE SERVICES TO AVOID CONFLICT. SERVICE LIDS, VENTS AND HYDRANTS SHALL BE LEFT EXPOSED AND NOT COVERED BY ANY LANDSCAPE FINISHES (TURFING, PAVING, GARDEN BEDS ETC.) FINISH ADJOINING

AN ARBORIST WITH MINIMUM AQF5 QUALIFICATIONS IS TO BE CONTRACTED TO UNDERTAKE OR MANAGE THE INSTALLATION OF PROTECTIVE FENCING AND TO UNDERTAKE SUCH MEASURES AS THEY DEEM APPROPRIATE TO PRESERVE THE SUBJECT TREES TO BE RETAINED. THE ARBORIST IS TO BE RETAINED FOR THE ENTIRE CONTRACT PERIOD TO UNDERTAKE ONGOING MANAGEMENT AND REVIEW OF THE TREES.

ENSURE AN ADEQUATE WATERPROOFING MEMBRANE TO ENGINEER'S DETAIL TO HAS BEEN APPLIED ALL PODIUM PLANTERS ON SITE, FOLLOWING APPLICATION OF THE MEMBRANE, CORFLUTE SHEETING IS TO BE APPLIED TO THE BOTTOM AND SIDES OF ALL PLANTERS TO PREVENT FUTURE RUPTURING, PODIUM PLANTERS ARE TO THEN INCLUDE AN APPROVED 'DRAINAGE CELL' PRODUCT TO COMPREHENSIVELY COVER THE BOTTOM OF THE STRUCTURE. OVER THE DRAINAGE CELL, A GEOTEXTILE LINING IS TO BE INSTALLED, TURNED UP 300MM AND TAPED TO THE PLANTER SIDES TO ENSURE SOIL MIX DOES NOT ESCAPE INTO DRAINAGE OUTLETS/HOLES. INSTALL MIN. 50MM COARSE RIVER SAND OVER ALL GEOTEXTILE LINING PRIOR TO INSTALLATION OF A SUITABLE PLANTER SOIL MIX. **EXISTING SUB-GRADE IN PLANTING AREAS** 

TEST SUBSOIL DRAINAGE TO ALL TREE PLANTING POSITIONS AND PLANTING AREAS. IF NECESSARY EXCAVATE UNDER TREE PLANTING POSITION DOWN THROUGH IMPERMEABLE MATERIAL TO A PERMEABLE SUB-GRADE DEPTH, REMOVE EXCAVATED MATERIAL FROM SITE AND REPLACE WITH A POROUS MATERIAL AND SUITABLE GROWING. MEDIUM FOR NOMINATED SPECIES, SETTLE BACKFILL TO PREVENT SUBSIDENCE.

CONSTRUCT FINISHED GRADES TO THE FINISHED LEVELS SHOWN ON THE CIVIL DRAWINGS. ENSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS. PLANTED AREAS AND PATHWAYS ARE TO DRAIN TO SPECIFIED DRAINAGE COLLECTION POINTS AS INDICATED ON THE HYDRAULIC ENGINEER'S DRAWINGS. ENSURE A MAXIMUM GRADE OF 1:4 TO ALL PLANTED AND TURFED AREAS.

**DRAINAGE PITS** INSTALL METAL GRATE, PVC BODY DRAINAGE PITS AS INDICATED ON THE HYDRAULIC ENGINEER'S DRAWINGS. CONNECT PITS TO STORMWATER SYSTEM - BY PLUMBER.

PAVING PAVEMENT SETOUT AS PER SETOUT PLAN. FINISHED LEVELS, MATERIALS AND PAVING INSTALLATION TO ARCHITECT'S SPECIFICATION.

CULTIVATE ALL PLANTING AREAS AND SET DOWN SUB-GRADE TO ACCOMMODATE IMPORTED TOPSOIL TO BE INSTALLED TO A MINIMUM 300MM DEPTH. IF DEEMED SUITABLE BY THE LANDSCAPE ARCHITECT, IMPROVED SITE SOIL MAY BE USED IN PLACE OF IMPORTED TOPSOIL PENDING COMPLIANCE WITH THE PROVISIONS OUTLINED IN AS4419.

APPLY APPROVED ORGANIC MULCH (ANL 'FOREST FINES' OR SIMILAR) TO A DEPTH OF 75MM TO ALL PLANTED AREAS. ENSURE CLEARANCE TO PLANT STEMS AND RAKE TO AN EVEN SURFACE FINISHING 25MM BELOW ADJOINING LEVELS. ENSURE MULCH IS WATERED IN DURING INSTALLATION.

FERTILISER: FOR GENERAL PLANTED AREAS; APPLY APPROVED FERTILISER INTENDED FOR SLOW RELEASE OF PLANT NUTRIENTS OVER A PERIOD OF APPROXIMATELY NINE (9) MONTHS. THOROUGHLY MIX FERTILISER WITH PLANTING MIXTURE AT THE RECOMMENDED RATE AND IN ACCORDANCE WITH RECOGNISED HORTICULTURAL PRACTICE PRIOR TO INSTALLING PLANTS. FOR LAWN AREAS; APPROVED 'LAWN FOOD' OR EQUIVALENT SHALL BE THOROUGHLY MIXED THROUGH TOPSOIL PRIOR TO PLACING TURF. FOR ESTABLISHED TREE PLANTING; 'AGRIFORM PLANTING TABLETS' OR EQUIVALENT ARE TO BE APPLIED AT THE RECOMMENDED RATE WITHIN THE PLANTING MEDIUM ADJACENT TO THE BASE OF THE ROOT BALL AT TIME OF PLANTING.

ALL PLANTS SUPPLIED ARE TO CONFORM WITH THOSE SPECIES LISTED IN THE PLANT SCHEDULE ON THE LANDSCAPE DRAWINGS. GENERALLY PLANTS SHALL BE; VIGOROUS, WELL ESTABLISHED, HARDENED OFF, OF GOOD FORM CONSISTENT WITH SPECIES OR VARIETY, NOT SOFT OR FORCED, FREE FROM DISEASE OR PESTS, HAVE LARGE HEALTHY ROOT SYSTEMS AND NO EVIDENCE OF HAVING BEEN RESTRICTED OR DAMAGED. TREES SHALL HAVE A LEADING SHOOT. IMMEDIATELY REJECT DRIED OUT, DAMAGED OR UNHEALTHY PLANT MATERIAL BEFORE PLANTING. ALL STOCK IS TO BE CONTAINER GROWN FOR A MINIMUM OF SIX (6) STAKING AND TYING

STAKES SHALL BE STRAIGHT, UNPAINTED HARDWOOD FREE FROM KNOTS AND TWISTS, POINTED AT ONE END AND SIZED ACCORDING TO SIZE OF PLANTS TO BE STAKED.

A. 5 - 15 LITRE SIZE PLANT 1 x (1200X25X25MM) 35 - 75 LITRE SIZE PLANT 2 x (1500X38X38MM

C. 100 - ≥200 LITRE 3 x (1800X50X50MM) Ties shall be 50mm wide hessian webbing or approved equivalent nailed or stapled to stake. Drive stakes a minimum one third of their length (avoiding damage to the root system) on the

TURF IS TO BE OF A SPECIES CONSISTENT WITH THAT SHOWN ON THE LANDSCAPE DRAWINGS AND IS TO HAVE AN EVEN THICKNESS OF NOT LESS THAN 25MM, OBTAIN TURF FROM AN APPROVED GROWER, DELIVER TO SITE WITHIN TWENTY FOUR (24) HOURS OF BEING CUT, AND LAY WITHIN TWENTY FOUR (24) HOURS OF BEING DELIVERED. TO PREPARE GRADED AREAS TO RECEIVE TURF, EXCAVATE THE AREA AND CULTIVATE SO AS TO allow for importing of 100mm of turf underlay soil. Remove all stones over 20mm Ø as well as all weeds and foreign matter. Spread turf underlay soil to a depth of 100mm and grade TO APPROPRIATE LEVELS TO ACHIEVE GENERAL EVEN GRADES TO DRAINAGE OUTLETS INSTALLED BY OTHERS - TURF AREAS ARE TO HAVE MINIMUM 1:50 CROSSFALL TO ENSURE MINIMUM DRAINAGE REQUIREMENTS. TURF IS TO BE LAID ALONG RESOLVED LAND CONTOURS WITH STAGGERED, CLOSE BUTTED, JOINTS SO THAT THE FINISHED TURF SURFACE IS FLUSH WITH ADJACENT FINISHED SURFACES OF PAVING AND THE LIKE. AS SOON AS PRACTICABLE AFTER LAYING, ROLL THE TURF WITH A ROLLER WEIGHING NOT MORE THAN 90KG PER METRE OF WIDTH. WATER AS NECESSARY TO KEEP THE SOIL MOIST TO A DEPTH OF 100MM. PROTECT NEWLY TURFED AREAS AGAINST TRAFFIC UNTIL GRASS IS ESTABLISHED. TWO (2) WEEKS AFTER INSTALLATION, APPLY APPROVED ORGANIC TOP DRESSING SOIL (ANL 'ORGANIC TOP DRESSING' OR SIMILAR) TO A DEPTH OF 15MM TO ALL TURFED AREAS, RUB THE DRESSING WELL INTO THE JOINTS AND CORRECT ANY UNEVENNESS IN THE TURF SURFACES.

TREATED PINE TIMBER EDGING

TIMBER EDGE: 100 X 25MM H4 TREATED PINE. TIMBER STAKES: 50 X 50 X 500MM H4 TREATED PINE-SHARPENED AT ONE END.

INSTALL IN LOCATIONS SHOWN ON THE DRAWINGS FLUSH TO FINISHED SURFACE LEVELS.

MARK TREES AND SHRUBS TO BE RETAINED WITH SUITABLE NON-INJURIOUS, EASILY VISIBLE AND REMOVABLE MEANS OF IDENTIFICATION CONSISTENT WITH THE TREE NUMBERING SYSTEM INDICATED ON THE LANDSCAPE DRAWINGS.

#### LANDSCAPE MAINTENANCE PROGRAM

MAINTENANCE SHALL MEAN THE CARE AND MAINTENANCE OF THE LANDSCAPE WORKS BY ACCEPTED HORTICULTURAL PRACTICE AS RECTIFYING ANY DEFECTS THAT BECOME APPARENT IN THE LANDSCAPE WORKS UNDER NORMAL USE. THIS SHALL INCLUDE, BUT SHALL NOT BE LIMITED TO; WATERING, MOWING, FERTILISING, RESEEDING, RETURFING, WEEDING, PEST AND DISEASE CONTROL, STAKING AND TYING, REPLANTING, CULTIVATION, PRUNING, AERATING, RENOVATING, TOP DRESSING, MAINTAINING THE SITE IN A NEAT AND TIDY CONDITION AS FOLLOWS:

THE LANDSCAPE MAINTENANCE CONTRACTOR SHALL MAINTAIN THE LANDSCAPE WORKS FOR THE TERM OF THE MAINTENANCE (OR PLANT ESTABLISHMENT) PERIOD TO THE SATISFACTION OF THE COUNCIL. THE LANDSCAPE MAINTENANCE CONTRACTOR SHALL ATTEND TO THE SITE ON A FORTNIGHTLY BASIS. THE MAINTENANCE PERIOD SHALL COMMENCE AT PRACTICAL COMPLETION AND CONTINUE FOR A PERIOD OF TWENTY SIX (26) WEEKS WATERING

GRASS, TREES AND GARDEN AREAS SHALL BE WATERED REGULARLY SO AS TO ENSURE CONTINUOUS HEALTHY GROWTH.

DURING THE TERM OF THE MAINTENANCE PERIOD THE LANDSCAPE MAINTENANCE CONTRACTOR SHALL REMOVE RUBBISH THAT MAY OCCUR AND REOCCUR THROUGHOUT THE MAINTENANCE PERIOD. THIS WORK SHALL BE CARRIED OUT REGULARLY SO THAT AT FORTNIGHTLY INTERVALS THE AREA MAY BE OBSERVED IN A COMPLETELY CLEAN AND TIDY CONDITION.

**REPLACEMENTS** THE LANDSCAPE MAINTENANCE CONTRACTOR SHALL REPLACE ALL PLANTS THAT ARE MISSING, UNHEALTHY OR DEAD AT THE LANDSCAPE MAINTENANCE CONTRACTOR'S COST. REPLACEMENTS SHALL BE OF THE SAME SIZE, QUALITY AND SPECIES AS THE PLANT THAT HAS FAILED UNLESS OTHERWISE DIRECTED BY THE LANDSCAPE ARCHITECT. REPLACEMENTS SHALL BE MADE ON A CONTINUING BASIS, NOT EXCEEDING TWO (2) WEEKS AFTER THE PLANT HAS DIED OR IS SEEN TO BE MISSING, UNTIL THE END OF THE MAINTENANCE PERIOD .

STAKES AND TIES THE LANDSCAPE MAINTENANCE CONTRACTOR SHALL REPLACE OR ADJUST PLANT STAKES, AND TREE GUARDS AS NECESSARY OR AS DIRECTED BY THE LANDSCAPE ARCHITECT. REMOVE STAKES AND TIES AT THE END OF THE MAINTENANCE PERIOD IF SO DIRECTED.

TREES AND SHRUBS SHALL BE PRUNED AS DIRECTED BY THE LANDSCAPE ARCHITECT AND PROJECT ARBORIST. PRUNING WILL BE DIRECTED AT THE MAINTENANCE OF THE DENSE FOLIAGE OR MISCELLANEOUS PRUNING

AND BENEFICIAL TO THE CONDITION OF THE PLANTS. ANY DAMAGED GROWTH SHALL BE PRUNED. ALL PRUNED MATERIAL SHALL BE REMOVED FROM THE SITE.

ALL MULCHED SURFACES SHALL BE MAINTAINED IN A CLEAN AND TIDY CONDITION AND BE REINSTATED IF NECESSARY TO ENSURE THAT A DEPTH OF 75MM IS MAINTAINED. ENSURE MULCH IS KEPT CLEAR OF PLANT STEMS AT ALL TIMES.

PEST AND DISEASED CONTRO

THE LANDSCAPE MAINTENANCE CONTRACTOR SHALL SPRAY AGAINST INSECT AND FUNGUS INFESTATION WITH ALL SPRAYING TO BE CARRIED OUT IN ACCORDANCE WITH THE MANUFACTURER'S DIRECTIONS. REPORT ALL INSTANCES OF PESTS AND DISEASES (IMMEDIATELY AS THEY ARE DETECTED) TO THE LANDSCAPE ARCHITECT.

THE LANDSCAPE MAINTENANCE CONTRACTOR SHALL MAINTAIN ALL GRASS AND TURF AREAS BY WATERING, WEEDING, DRESSING, ROLLING, MOWING, TRIMMING OR OTHER OPERATIONS AS NECESSARY. SEED AND TURF SPECIES SHALL BE THE SAME AS THE ORIGINAL SPECIFIED MIXTURE. GRASS AND TURF AREAS SHALL BE SPRAYED WITH APPROVED SELECTIVE HERBICIDE AGAINST BROAD LEAFED WEEDS AS REQUIRED BY THE LANDSCAPE ARCHITECT AND IN ACCORDANCE WITH THE MANUFACTURER'S DIRECTIONS. GRASS AND TURF AREAS SHALL BE FERTILISED ONCE A YEAR IN AUTUMN WITH "DYNAMIC LIFTER" (OR SIMILAR) FOR LAWNS AT A RATE OF 20KG PER 100M2. FERTILISER SHALL BE WATERED IN IMMEDIATELY AFTER APPLICATION. IRREGULARITIES IN THE GRASS AND TURF SHALL BE WATERED IN IMMEDIATELY AFTER APPLICATION. GRASS AND TURF AREAS SHALL BE KEPT MOWN TO MAINTAIN A HEALTHY AND VIGOROUS SWARD. MOWING HEIGHT: 30-50MM.

**WEED ERADICATION** ERADICATE WEEDS BY ENVIRONMENTALLY ACCEPTABLE METHODS USING A NON-RESIDUAL GLYPHOSATE HERBICIDE (EG. 'ROUNDUP') IN ANY OF ITS REGISTERED FORMULAE, AT THE RECOMMENDED MAXIMUM RATE. REGULARLY REMOVE BY HAND, WEED GROWTH THAT MAY OCCUR OR RECUR THROUGHOUT GRASSED, PLANTED AND MULCHED AREAS. REMOVE WEED GROWTH FROM AN AREA 750MM DIAMETER AROUND THE BASE OF TREES IN GRASSED AREAS. CONTINUE ERADICATION THROUGHOUT THE COURSE OF THE WORKS AND DURING THE MAINTENANCE PERIOD.

ANY SOIL SUBSIDENCE OR EROSION WHICH MAY OCCUR AFTER THE SOIL FILLING AND PREPARATION OPERATIONS SHALL BE MADE GOOD BY THE LANDSCAPE CONTRACTOR AT NO COST TO THE CLIENT.

### IRRIGATION SYSTEM

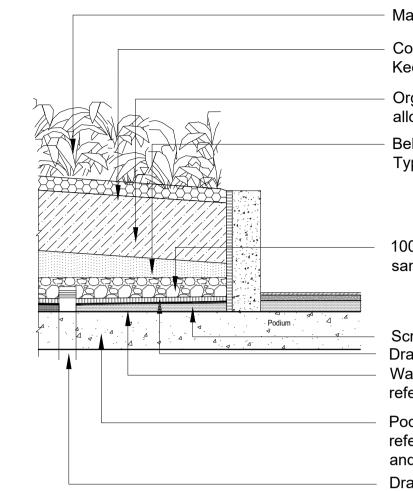
IRRIGATION SYSTEM: SUPPLY AN AUTOMATIC WATERING SYSTEM USING 'TORO IRRIGATION SYSTEM' OR SIMILAR APPROVED, WITH AREA-SPECIFIC SPRINKLER HEADS AND LOW DENSITY, RUBBER MODIFIED POLYPROPYLENE RETICULATION TO INCLUDE FILTERS, BENDS JUNCTIONS, ENDS AND OTHER ANCILLARY EQUIPMENT. A SCHEMATIC PLAN OF THE PROPOSED IRRIGATION SYSTEM IS TO BE PREPARED BY A SUITABLY QUALIFIED IRRIGATION CONTRACTOR; SHOWING SOLENOIDS, PIPE DIAMETERS, AND ALL NOZZLE AND TRICKLE ATTACHMENT TYPES (INCLUDING SPRAY/HEAD ANGLE), FOR REVIEW BY THE SUPERINTENDENT PRIOR TO

THE IRRIGATION CONTRACTOR IS TO LIAISE WITH THE HYDRAULIC ENGINEER AND COUNCIL AS NECESSARY TO ENSURE THE IRRIGATION SYSTEM CONFORMS WITH ALL COUNCIL AND WATER BOARD CODES AND

THE IRRIGATION SYSTEM IS TO INCLUDE AN AUTOMATIC CONTROLLER THAT PROVIDES FOR CUSTOMIZABLE SCHEDULING AND HOURLY MULTI-CYCLE OPERATION. THE CONTROLLER SHALL FEATURE A MANUAL OVERRIDE FUNCTION AND PROGRAMMING SHALL BE UNDERTAKEN BY THE IRRIGATION CONTRACTOR WHO SHALL ADVISE ALL RELEVANT PARTIES ON THE OPERATION OF THE SYSTEM. PROVISION OF SECURE HOUSING FOR THE AUTOMATIC IRRIGATION CONTROLLER IS TO BE POSITIONED IN A LOCATION CONFIRMED BY THE SUPERINTENDENT. WIRING TO CONNECT REMOTE SOLENOID LOCATIONS IS TO BE PROVIDED. THE CONTROLLER SHALL BE LOCATED IN A DRY PLACE, PROTECTED FROM THE WEATHER, AND ALL CABLE CONNECTIONS SHALL BE MADE WITH WATERPROOF CONNECTORS.

WATER SUPPLY POINTS ARE TO BE SUPPLIED BY THE BUILDER.

IT SHALL BE THE IRRIGATION CONTRACTOR'S RESPONSIBILITY TO ENSURE AND GUARANTEE SATISFACTORY OPERATION OF THE IRRIGATION SYSTEM. AFTER THE SYSTEM HAS BEEN INSTALLED TO THE SATISFACTION OF THE SUPERINTENDENT, THE INSTALLATION SHALL BE TESTED UNDER KNOWN WORKING CONDITIONS. ACCEPTANCE OF THE INSTALLED PLANT AND EQUIPMENT SHALL BE SUBJECT TO THESE BEING SATISFACTORY.



SCALE 1:20 @A1

Mass planting, refer to planting plan. Consolidated organic mulch 75mm depth.

Keep clear of the plant stem. Organic soil mix type A as specified, allow for 8 off 12 month slow release fertilizer tablets.

Below 300mm planter bed soil mix Type B as specified.

100mm washed course river sand or free draining aggregate.

Drainage cell surrounded with filter fabric. Waterproof membrane, refer to Architect's specifications. Podium & waterproof membrane refer to architect's drawings and engineer's specifications.

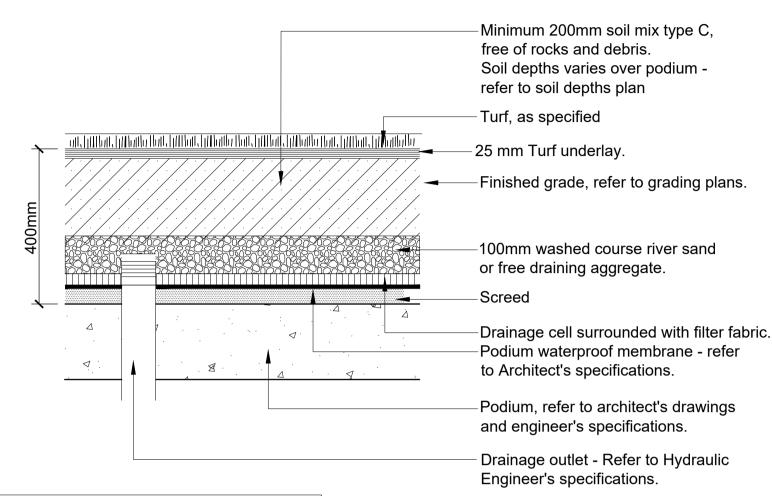
Drainage outlet - Refer to Hydraulic Engineer's drawings & specifications. TYPICAL RAISED PLANTER DETAIL

**General Notes:** 

Regularly remove weed growth throughout planted and mulched areas during the course of project contruction.

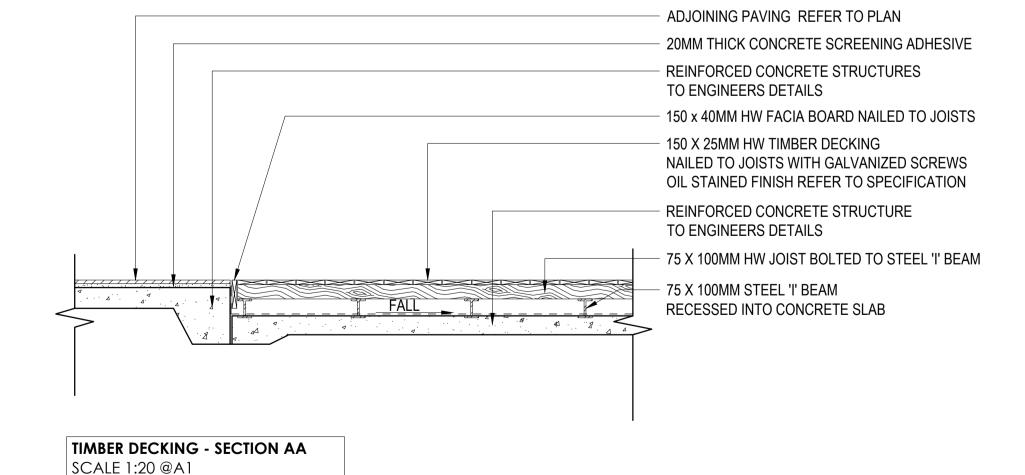
Lightly tamp or roll surface of turf after installation to ensure that turf roots are in contact with topsoil.

Turf on low side of any path or edge to finish 10mm below finished path/edge level.



TURF PLANTING ON PODIUM - DETAIL SCALE 1:10 @A1

 75 X 100MM HW JOIST BOLTED TO STEEL 'I' BEAM 150 x 40MM HWD FACIA BOARD NAILED TO JOISTS ADJOINING PAVING REFER TO SURFACE FINISHES PLAN 150 X 40MM HWD TIMBER DECKING SCREW FIX TO JOISTS WITH GALVANIZED SCREWS OIL STAINED FINISH REFER TO SPECIFICATION - 75 X 100MM STEEL 'I' BEAM RECESSED INTO CONCRETE SLAB 600MM CRS 600MM CRS



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PROJECT

PROPOSED DEVELOPMENT 20 DENISON STREET, NEWCASTLE

DRAWING TITLE

LANDSCAPE SPECIFICATION, MAINTENANCE PROGRAM & DETAILS

CLIENT

DENISON STREET APARTMENTS P/L

Drawn : NZ Designed : NZ Project No.: E522

SCALE: AS SHOWN

REVISION SHEET NUMBER E522\_LP\_15 D

# 

LEVEL 3, 397 RILEY STREET **SURRY HILLS NSW 2010** PO BOX 1074 BROADWAY NSW 2007 T + (61) 2 8039 7461 INFO@CPSPLANNING.COM.AU CPSPLANNING.COM.AU ABN 135 093 926



# 20 DENISON STREET, NEWCASTLE WEST PROPOSED MULTI-UNIT DEVELOPMENT

STORMWATER CONCEPT PLANS



LOCALITY PLAN

	DRAWING INDEX
Drawing No.	DESCRIPTION
000	COVER SHEET PLAN
101	STORMWATER CONCEPT PLAN BASEMENT LEVEL SHEET 1 OF 2
102	STORMWATER CONCEPT PLAN BASEMENT LEVEL SHEET 2 OF 2
103	STORMWATER CONCEPT PLAN GROUND FLOOR
104	STORMWATER CONCEPT PLAN MEZZANINE FLOOR PLAN
105	STORMWATER CONCEPT PLAN FIRST FLOOR PLAN
106	ON-SITE RETENTION WITH SAND FILTER DETAILS AND CALCULATIONS 1 OF 2
107	ON-SITE RETENTION WITH SAND FILTER DETAILS AND CALCULATIONS 2 OF 2
108	MISCELLANEOUS DETAILS SHEET

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TOKIN ZULAIKHA GREER ARCHITECTS Newcastle 117 Reservoir Street, Surry Hills NSW 2010 PHONE: 02 9215 4900 WEB: www.tzg.com.au

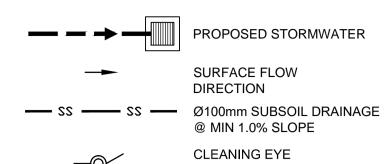
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20 DENISON STREET, NEWCASTLE WEST COVER SHEET PLAN PROPOSED MULTI-UNIT DEVELOPMENT STORMWATER CONCEPT PLANS SECTION 4.55

2021305 N.T.S. 000

# **LEGEND**



(OR INSPECTION EYE) INSPECTION OPENING

FINISHED SURFACE LEVEL

Ø150mm FLOOR GRATE

# STANDARD PUMP OUT DESIGN NOTES

THE PUMP OUT SYSTEM SHALL BE DESIGN TO BE OPERATED IN THE FOLLOWING MANNER: 1 - THE PUMP SHALL BE PROGRAMMED TO WORK ALTERNATELY TO ALLOW BOTH PUMPS TO HAVE AN EQUAL OPERATION LOAD AND PUMP LIFE.

2 - A FLOAT SHALL BE PROVIDED TO ENSURE OF THE MINIMUM REQUIRED WATER LEVEL IS MAINTAINED WITHIN THE SUMP AREA OF THE BELOW GROUND TANK. IN THIS REGARD THIS FLOAT WILL FUNCTION AS AN OFF SWITCH FOR THE PUMPS AT THE MINIMUM WATER LEVEL. THE SAME FLOAT SHALL BE SET TO TURN ONE OF THE PUMPS ON UPON THE WATER LEVEL IN THE TANK RISING TO APPROXIMATELY 300mm ABOVE THE MINIMUM WATER LEVEL. THE PUMP SHALL OPERATE UNTIL THE TANK IS DRAINED TO THE MINIMUM WATER LEVEL.

3 - A SECOND FLOAT SHALL BE PROVIDE AT A HIGH LEVEL, WHICH IS APPROXIMATELY THE ROOF LEVEL OF THE BELOW GROUND TANK. THIS FLOAT SHALL START THE OTHER PUMP THAT IS NOT OPERATING AND ACTIVATE THE ALARM.

4 - AN ALARM SYSTEM SHALL BE PROVIDE WITH A FLASHING STROBE LIGHT AND A PUMP FAILURE WARNING SIGN WHICH ARE TO BE LOCATED AT THE DRIVEWAY ENTRANCE TO THE BASEMENT LEVEL THE ALARM SYSTEM SHALL BE PROVIDED WITH A BATTERY BACK-UP IN CASE OF POWER FAILURE

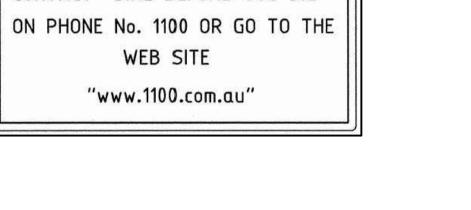
5 - A CONFINED SPACE DANGER SIGN SHALL BE PROVIDED AT ALL ACCESS POINT TO THE PUMP-OUT STORAGE TANK IN ACCORDANCE WITH THE UPPER PARRAMATA RIVER CATCHMENT TRUST OSD HANDBOOK.





SITE, FOOTPATH AND ROADWAY, ALL SERVICES SHALL BE LOCATED PRIOR TO COMMENCEMENT OF THE EXCAVATION WORKS.

CONTACT "DIAL BEFORE YOU DIG"





# CONFINED SPACE DANGER SIGN

A) A CONFINED SPACE DANGER SIGN SHALL BE POSITIONED IN A LOCATION AT ALL ACCESS POINTS, SUCH THAT IT IS CLEARLY VISIBLE TO PERSONS PROPOSING TO ENTER THE BELOW GROUND TANK/S CONFINED SPACE.

B) MINIMUM DIMENSIONS OF THE SIGN - 300mm x 450mm (LARGE ENTRIES, SUCH AS DOORS) -250mm x 180mm (SMALL ENTRIES SUCH AS GRATES & MANHOLES)

C) THE SIGN SHALL BE MANUFACTURED FROM COLOUR BONDED ALUMINUM OR POLYPROPYLENE

D) SIGN SHALL BE AFFIXED USING SCREWS AT EACH CORNER OF THE SIGN

"DANGER" & BACKGROUND = WHITE ELLIPTICAL AREA = RED RECTANGLE CONTAINING ELLIPSE = BLACK BORDER AND OTHER LETTERING = BLACK

PUMP OUT SYSTEM FAILURE IN BASEMENT WHEN LIGHT IS FLASHING AND SIREN SOUNDING

# **BASEMENT PUMP OUT FAILURE WARNING SIGN**

SIGN SHALL BE PLACED IN A CLEAR AND VISIBLE LOCATION WHERE VEHICLES ENTER THE BASEMENT

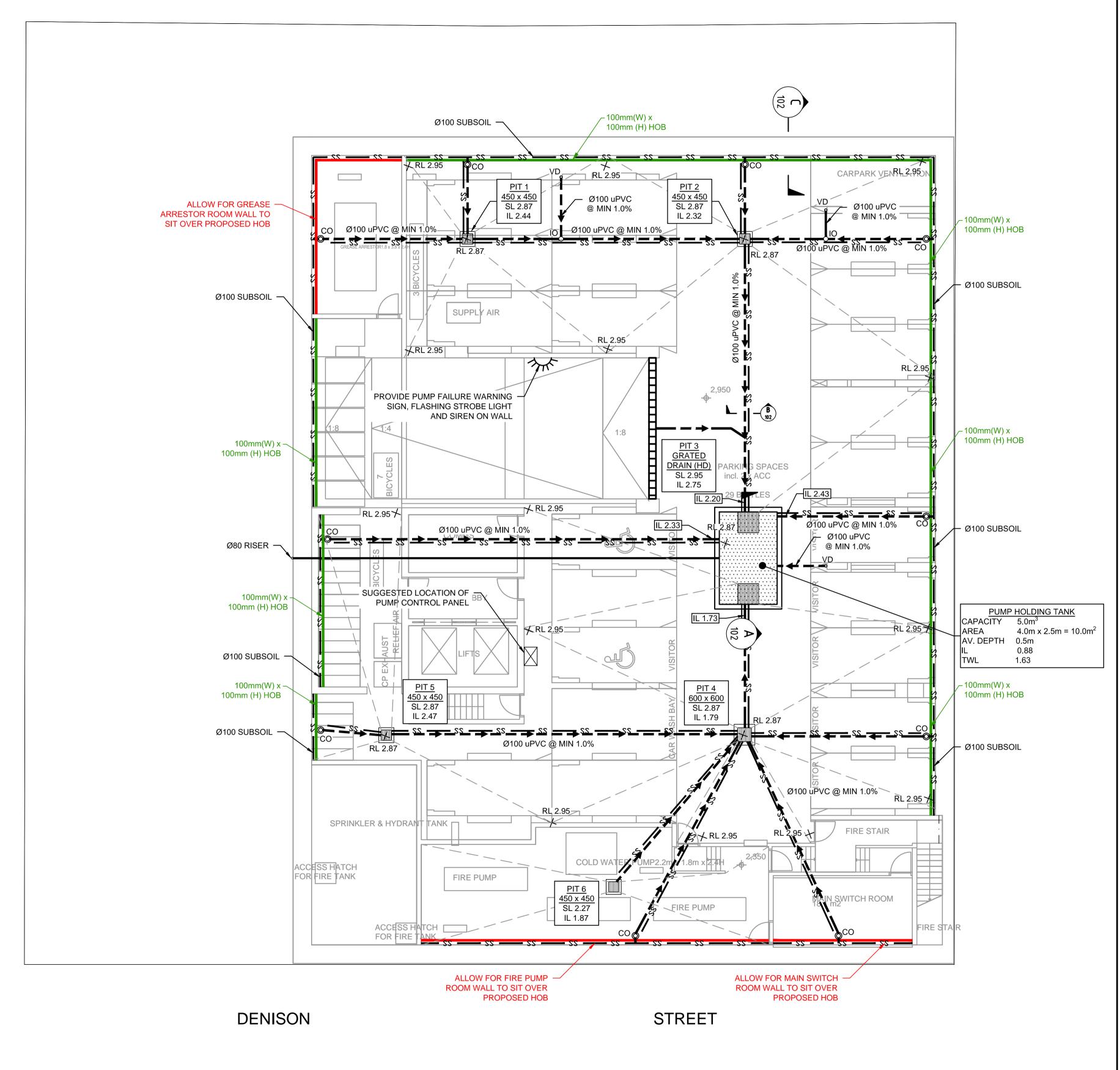
BORDER AND OTHER LETTERING = BLACK

NOTE:

PROVIDE MIN. 1.0% FALL WITHIN THE SPOON DRAIN.

NOTE:

REFER ARCHITECTURAL DRAWINGS FOR FINAL SET-OUT LEVELS.



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**TOKIN ZULAIKHA** GREER ARCHITECTS Newcastle 117 Reservoir Street,

Surry Hills NSW 2010 PHONE: 02 9215 4900 WEB: www.tzg.com.au

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SCALE 1:100 @ A1

Level 4, 470 Church Street, Email: info@telfordcivil.com.au PHONE: 02 7809 4931 Parramatta NSW 2150

PO BOX 3579 Parramatta 2124

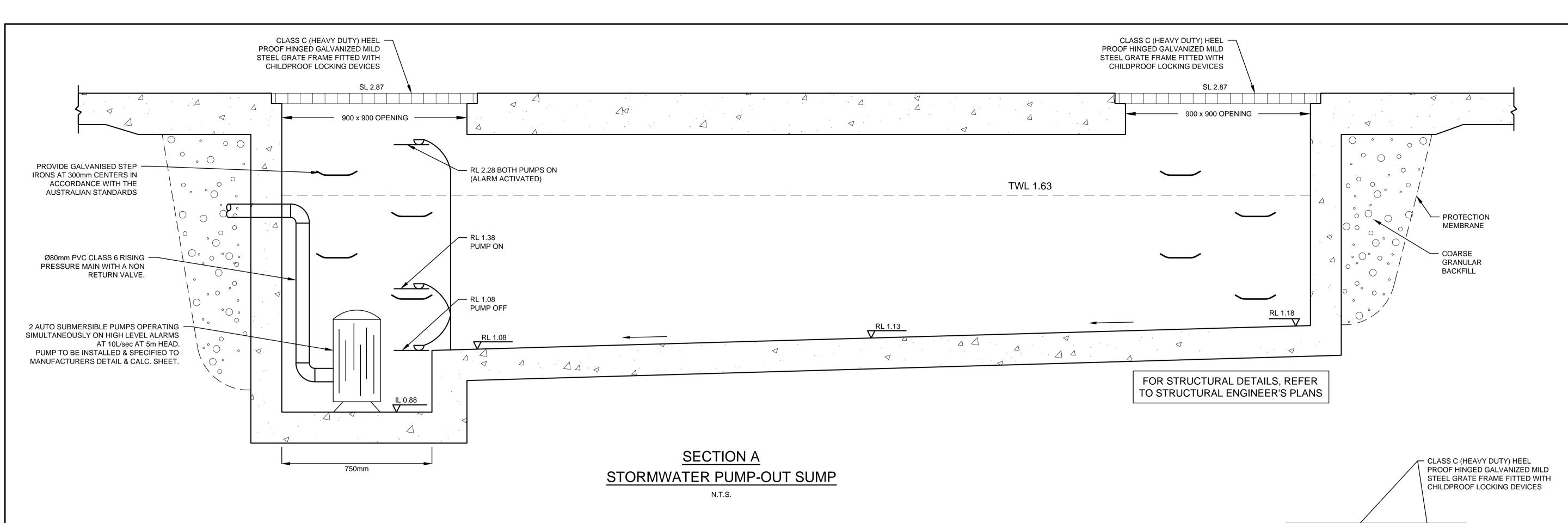
20 DENISON STREET, NEWCASTLE WEST STORMWATER CONCEPT PLAN PROPOSED MULTI-UNIT DEVELOPMENT STORMWATER CONCEPT PLANS SECTION 4.55 1:100

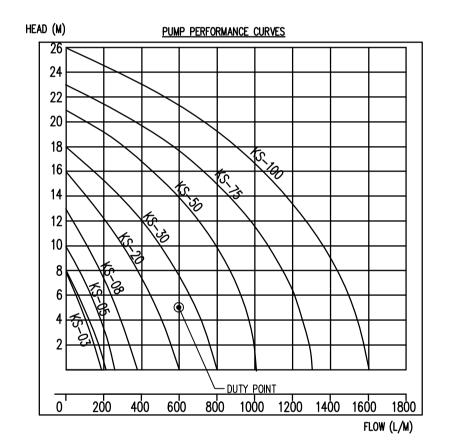
BASEMENT LEVEL SHEET 1 OF 2

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# PUMP STORAGE VOLUME CALCULATION

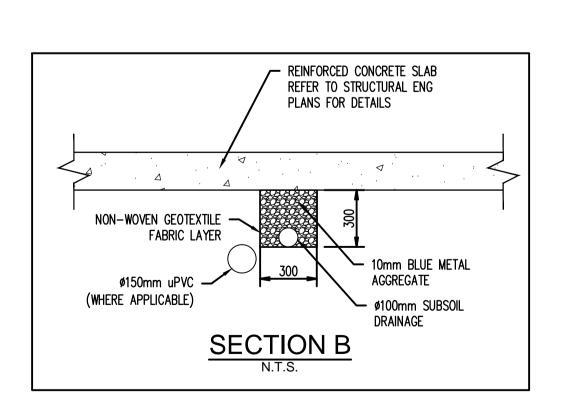
AREA DRAINING TO SUMP= 0m<sup>2</sup>

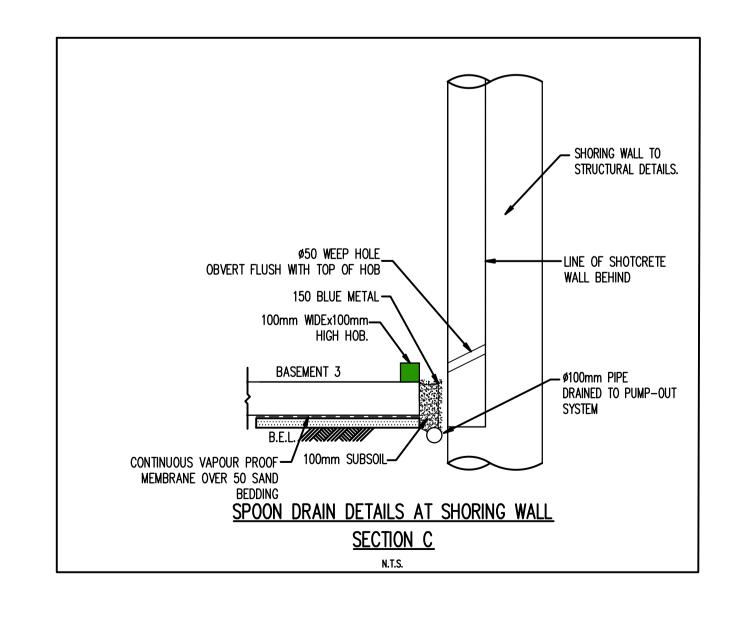
SUMP SIZE BASED ON 100 YEAR 2 HR STORM, I= 45.4mm/hr, Q=CIA/3600= 1X45.4 X 0/3600 = 0L/sec VOLUME REQUIRED =  $0X(2x60x60) = 0L = 0m^3$ STORAGE PROVIDED 4.0X2.5X0.5= 5m<sup>3</sup>

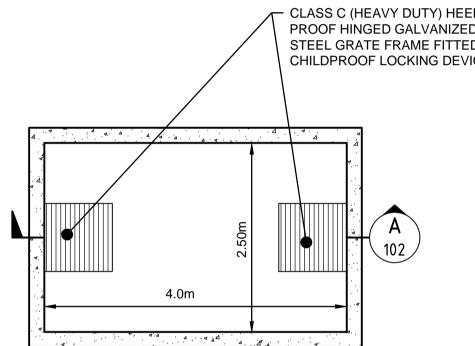
PUMP OUT RATE BASED ON 5YR 1 HR STORM, I=40.8mm/hr (MIN RATE REQUIRED AS PER AS3500.3 IS 10 L/sec) Q=CIA/3600= 1X 40.8X 0/3600 = 0 L/sec

DUAL KS-30 PUMP OR EQUIVALENT TO BE INSTALLED IN SUMP AND CONNECTED TO CONTROL PANEL WHICH WILL ALLOW FOR THE PUMP TO OPERATE SIMULTANEOUSLY ON HIGH LEVEL WITH ALARM AT 10 L/sec AT 5m HEAD

		0			tlet	Ra	ted	Max	imum	Weigh		Dimension	
	Туре	Out	put	Ou	tiet	Head C	apacity	Head	Capacity	weign		Difficusion	
		HP	kW	mm	Inch	М	LPM	М	LPM	Kg	L(mm)	W(mm)	H(mm)
	KS-03	1/3	0.25	40	1 1/2"	3	130	8	180	9	188	141	305
	KS-04	1/2	0.4	50	2"	5	150	8	220	11	208	140	359
	KS-05	1/2	0.4	50	2"	5	160	10	260	14	230	156	375
	KS-08	1	0.75	50	2"	6	240	13	380	21	290	180	425
_	KS-20	2	1.5	80	3"	10	300	16	600	31	278	182	475
l	KS-30	3	2.2	80	3"	10	500	18	800	42	390	250	450
_	KS-50	5	3.7	100	4"	10	800	21	1100	48	450	240	530
	KS-75	7 1/2	5.6	100	4"	15	800	23	1300	60	550	310	590
	KS-100	10	7.5	150	6"	18	900	25	1600	70	550	310	610

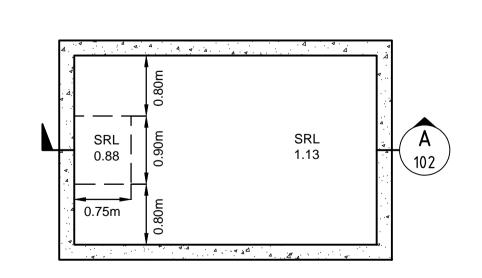






NOTE: FOR ALL THE STRUCTURAL DETAILS, REFER TO STRUCTURAL ENGINEER'S DRAWINGS. ALL THE AG LINES BEHIND BASEMENT WALLS TO BE CONNECTED TO PUMP-OUT SUMP.

> PUMP-OUT SUMP DETAIL **PLAN VIEW** SCALE 1:50



PUMP-OUT SUMP DETAIL SRL

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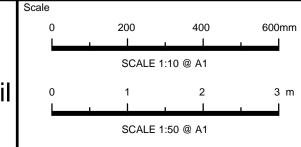
fication By Dr. Michel Chaaya iliation with Joe Bacha (formerly alian Consulting Engineers):

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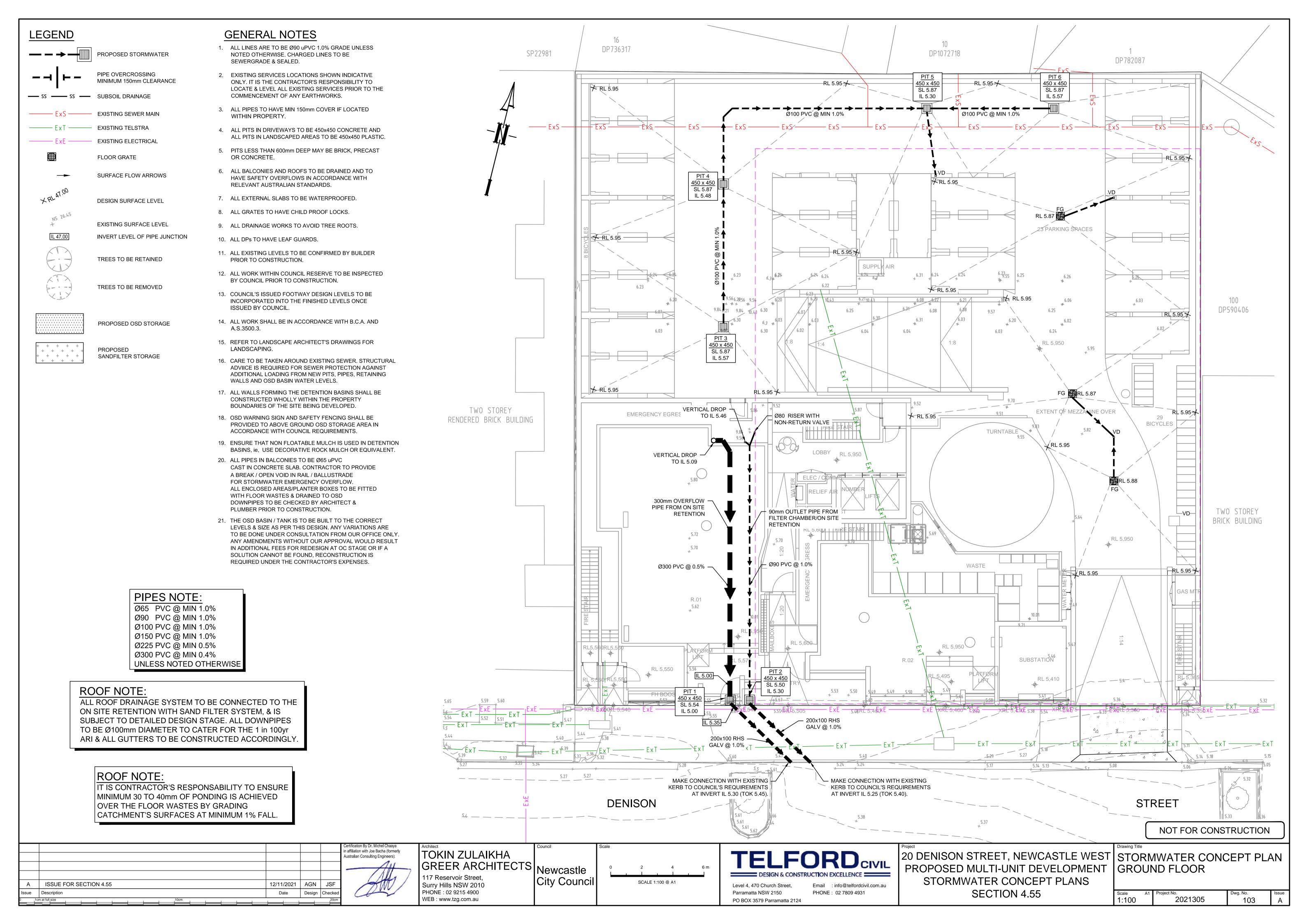
Level 4, 470 Church Street, Email: info@telfordcivil.com.au Parramatta NSW 2150 PHONE: 02 7809 4931 PO BOX 3579 Parramatta 2124

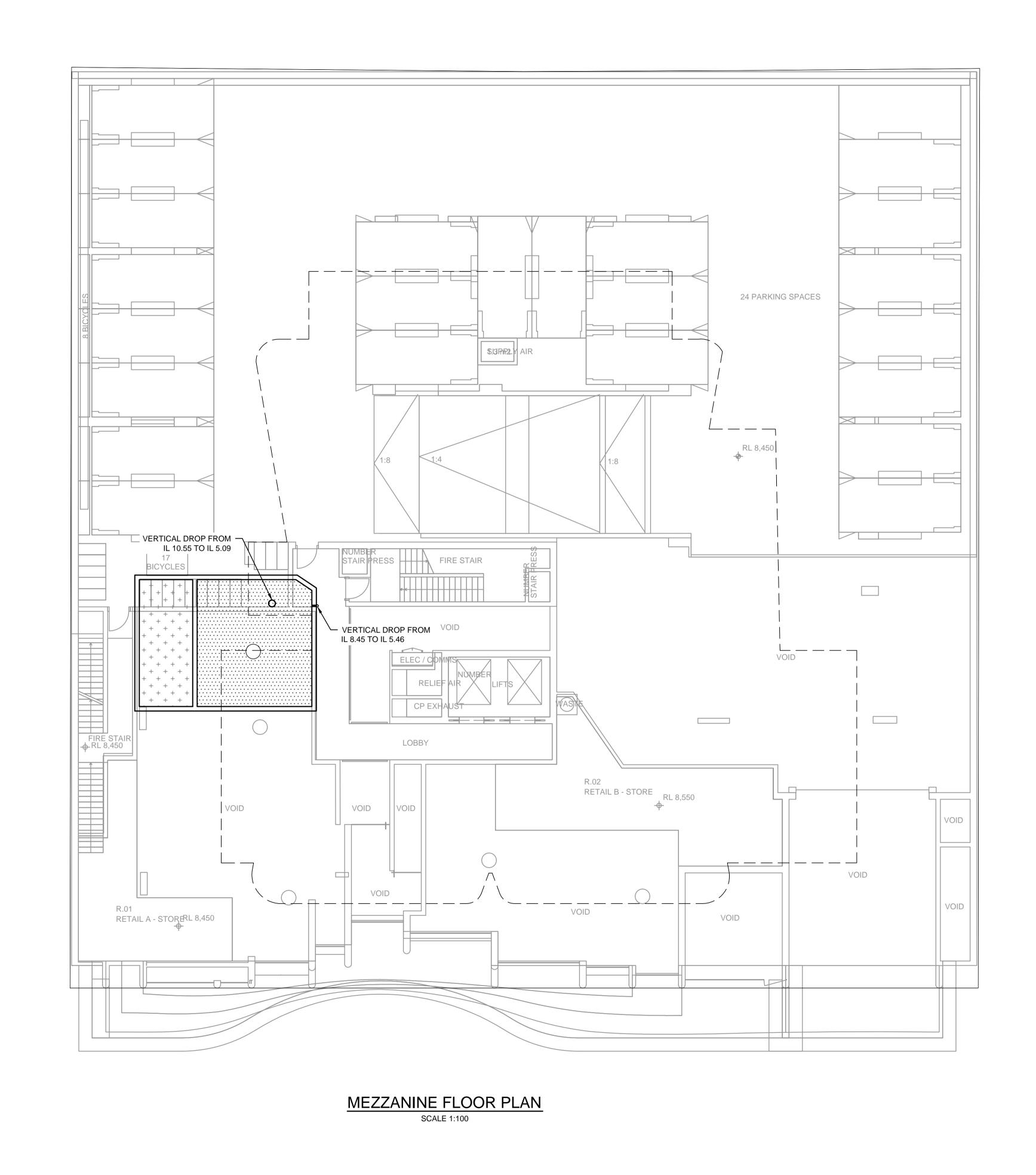
20 DENISON STREET, NEWCASTLE WEST STORMWATER CONCEPT PLAN PROPOSED MULTI-UNIT DEVELOPMENT | BASEMENT LEVEL STORMWATER CONCEPT PLANS SECTION 4.55

SHEET 2 OF 2

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As Shown

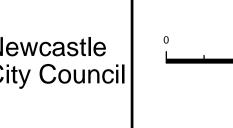


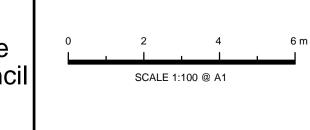


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Newcastle
City Council 117 Reservoir Street, Surry Hills NSW 2010 PHONE: 02 9215 4900 WEB: www.tzg.com.au

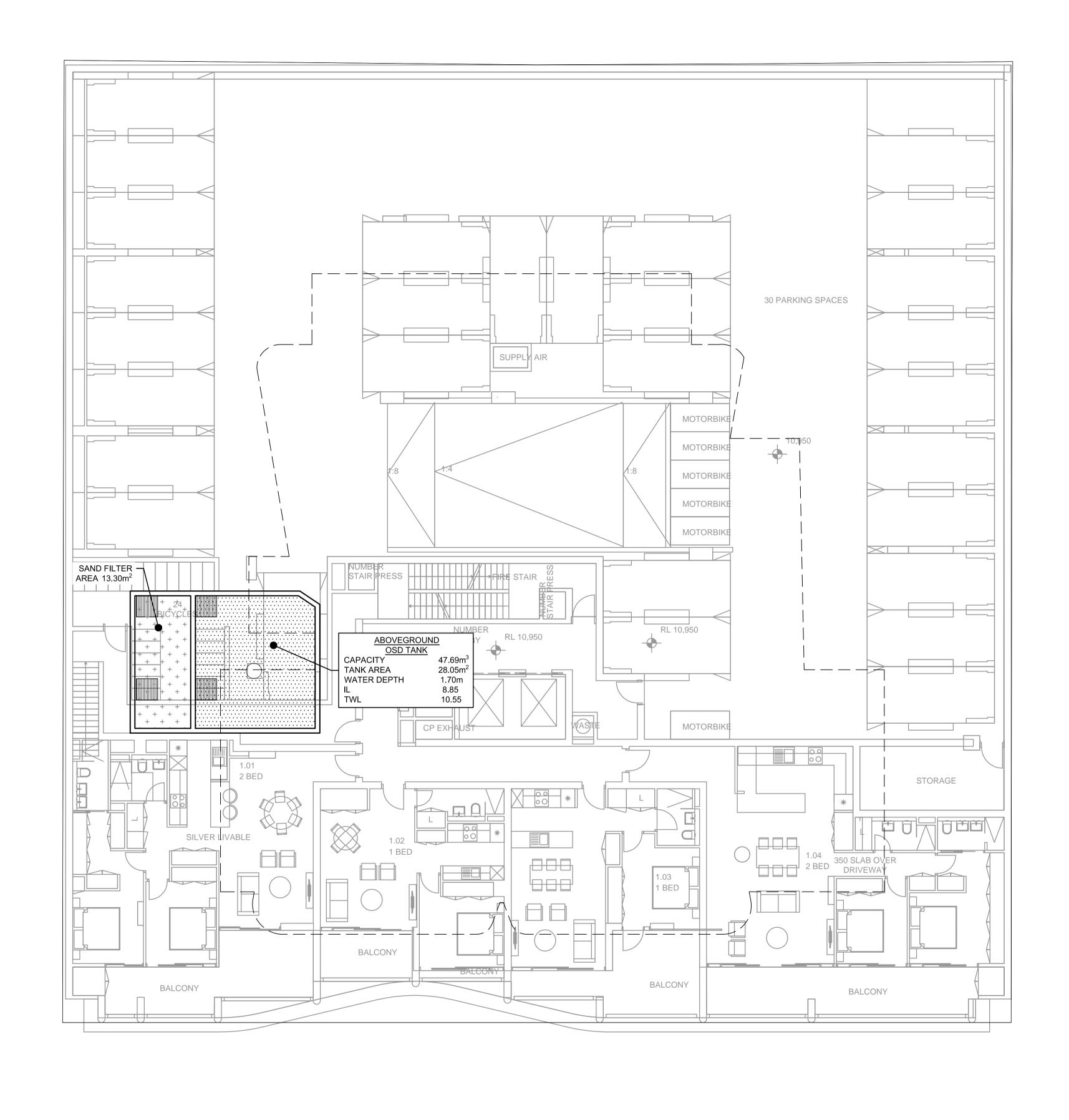




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20 DENISON STREET, NEWCASTLE WEST STORMWATER CONCEPT PLAN PROPOSED MULTI-UNIT DEVELOPMENT | MEZZANINE FLOOR PLAN STORMWATER CONCEPT PLANS SECTION 4.55

Scale 1:100 2021305 104



# FIRST FLOOR PLAN SCALE 1:100

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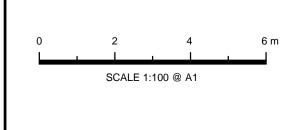
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117 Reservoir Street,
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20 DENISON STREET, NEWCASTLE WEST STORMWATER CONCEPT PLAN PROPOSED MULTI-UNIT DEVELOPMENT | FIRST FLOOR PLAN STORMWATER CONCEPT PLANS SECTION 4.55

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# OSD CALCULATIONS:

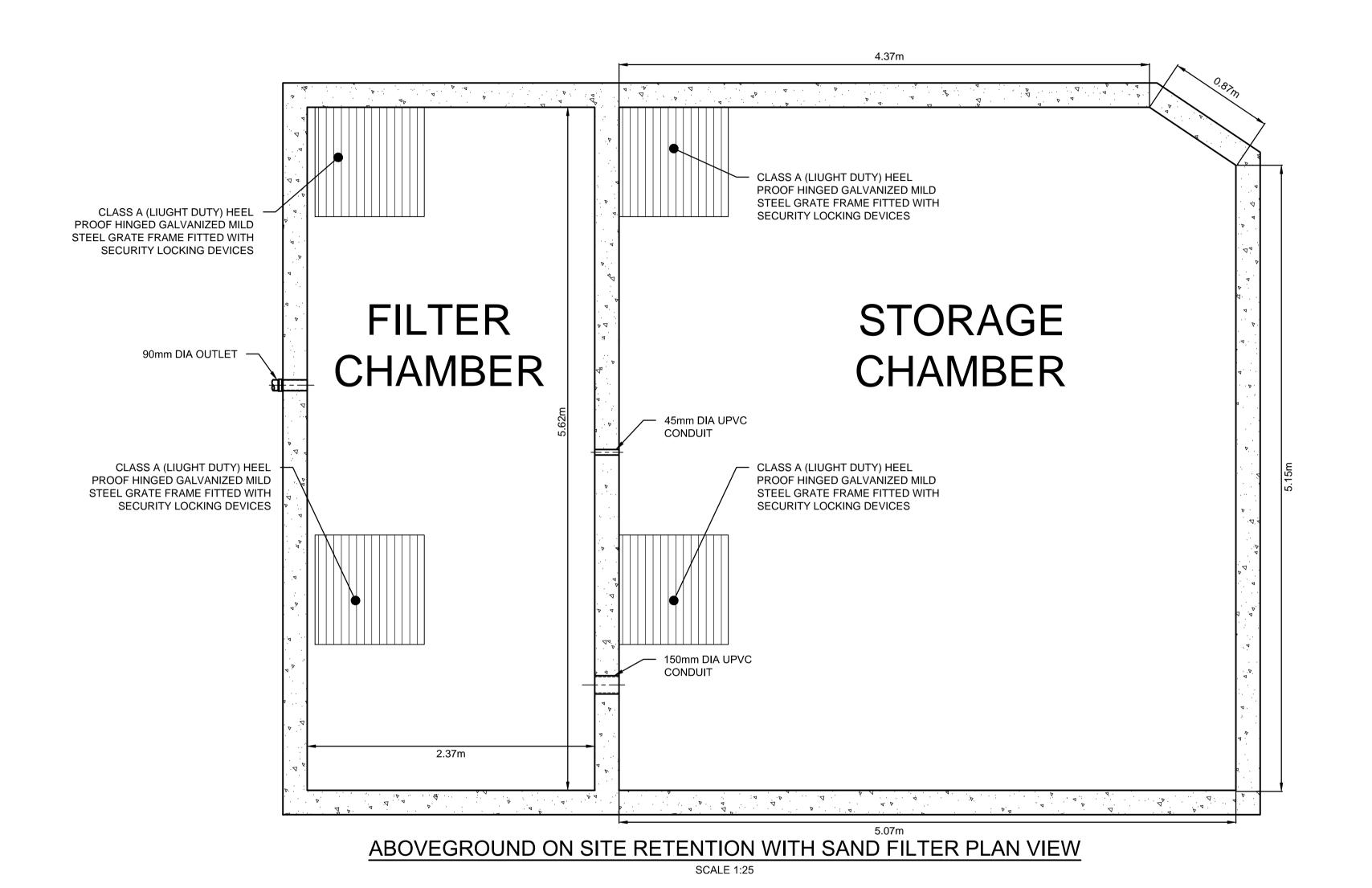
 $= 1641 \text{m}^2$ TOTAL SITE AREA IMPERVIOUS AREA  $= 1641 \text{m}^2 (100\%)$ AREA BYPASSING OSD =  $0m^2$  (0%)

NCC ON-SITE STORAGE RATE = 25mm/m<sup>2</sup> VOLUME OF STORAGE REQUIRED FOR SITE  $= 0.025 \text{m} \times 1641 \text{m}^2 = 41.025 \text{m}^3$ 

TOTAL OSD VOLUME REQUIRED = 41.025m<sup>3</sup> REQUIRED SAND FILTER AREA = 1641m<sup>2</sup> x 0.8/100m<sup>2</sup> = 13.13m<sup>2</sup>

SAND FILTER AREA PROVIDED = 13.3m<sup>2</sup>

TOTAL OSD VOLUME PROVIDED = 47.69m<sup>3</sup>



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SCALE 1:10 @ A1 0 0.2 0.4 0.6 0.8 1.0 1.2m SCALE 1:25 @ A1

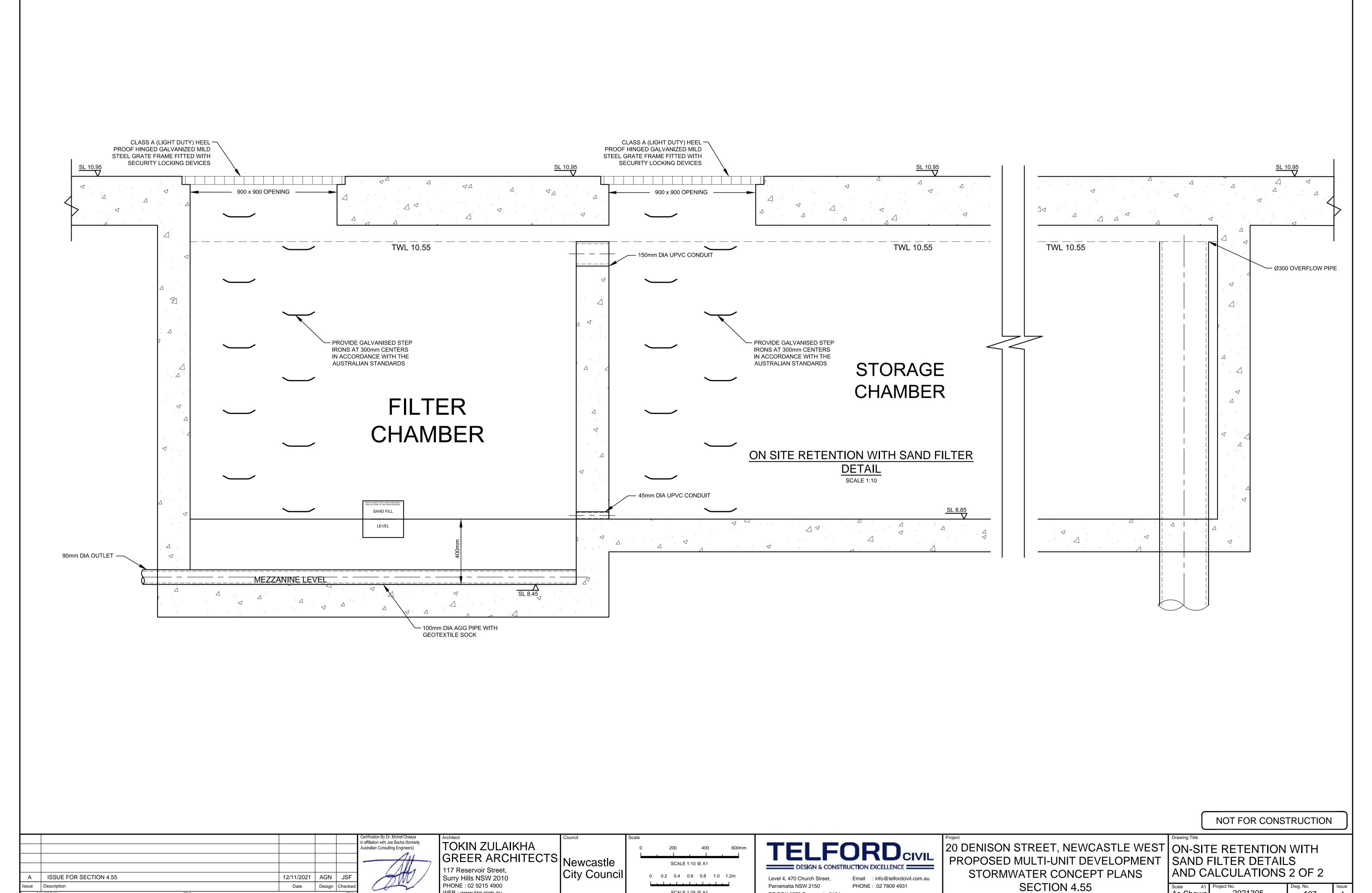


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20 DENISON STREET, NEWCASTLE WEST ON-SITE RETENTION WITH PROPOSED MULTI-UNIT DEVELOPMENT STORMWATER CONCEPT PLANS SECTION 4.55

SAND FILTER DETAILS AND CALCULATIONS 1 OF 2

Scale A1
As Shown 2021305



SCALE 1:25 @ A1

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As Shown

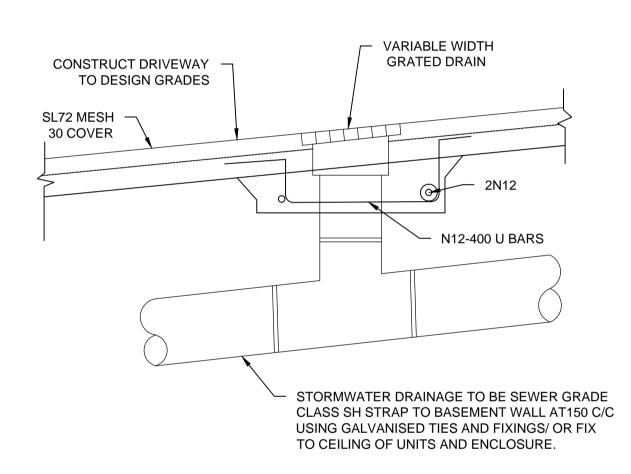
# **SEDIMENT & EROSION NOTES**

- 1. IMMEDIATELY FOLLOWING SETTING OUT OF THE WORKS, BUT PRIOR TO COMMENCEMENT OF ANY CLEARING OR EARTHWORKS, THE CONTRACTOR AND SUPERINTENDENT SHALL WALK THE SITE TO NOMINATE THE LOCATIONS AND TYPES OF SEDIMENT AND EROSION CONTROL MEASURES TO BE ADOPTED. THESE MEASURES SHALL BE IMPLEMENTED PRIOR TO ANY CLEARING OR EARTHWORKS AND MAINTAINED UNTIL THE WORKS ARE COMPLETED AND NO LONGER POSE AN EROSION HAZARD, UNLESS OTHERWISE APPROVED BY THE SUPERINTENDENT.
- 2. IMMEDIATELY FOLLOWING SETTING OUT OF THE WORKS, BUT PRIOR TO COMMENCEMENT OF ANY CLEARING OR EARTHWORKS, THE CONTRACTOR AND SUPERINTENDENT SHALL WALK THE SITE TO IDENTIFY AND MARK TREES WHICH ARE TO BE PRESERVED. NOTWITHSTANDING THE ABOVE, THE CONTRACTOR SHALL TAKE ALL REASONABLE PRECAUTIONS TO MINIMISE DISTURBANCE TO EXISTING VEGETATION AND GROUND COVER OUTSIDE THE MINIMUM AREAS REQUIRED TO COMPLETE THE WORKS AND SHALL BE RESPONSIBLE FOR RECTIFICATION, AT ITS OWN COST, OF ANY DISTURBANCE BEYOND THOSE AREAS.
- 3. PROVIDE GULLY GRATE INLET SEDIMENT TRAPS AT ALL GULLY PITS.
- 4. PROVIDE SILT FENCING ALONG PROPERTY LINE AS DIRECTED BY SUPERINTENDENT.
- 5. ADDITIONAL CONTROL DEVICES TO BE PLACED WHERE DIRECTED BY THE PRINCIPLE. 6. ALTERNATIVE DESIGNS TO BE APPROVED BY SUPERINTENDENT PRIOR TO
- 7. WASH DOWN/RUMBLE AREA TO BE CONSTRUCTED WITH PROVISIONS RESTRICTING ALL SILT AND TRAFFICKED DEBRIS FROM ENTERING THE STORMWATER SYSTEM.
- 8. NO WORK OR STOCKPILING OF MATERIALS TO BE PLACED OUTSIDE OF SITE WORK
- 9. APPROPRIATE EROSION AND SEDIMENT CONTROLS TO BE USED TO PROTECT STOCKPILES AND MAINTAINED THROUGH OUT CONSTRUCTION.

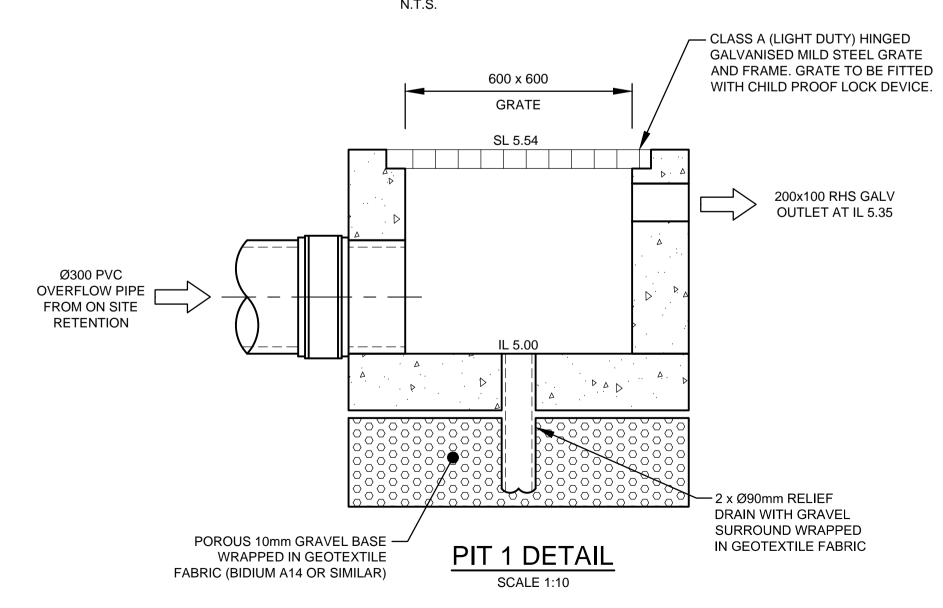
BOUNDARY.

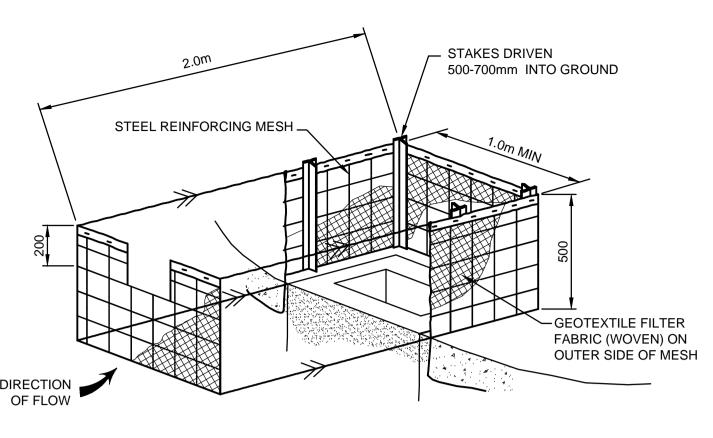
THE SUPERINTENDENT.

- 10. IT IS THE CONTRACTORS RESPONSIBILITY TO TAKE DUE CARE OF NATURAL VEGETATION, NO CLEARING IS TO BE UNDERTAKEN WITHOUT PRIOR APPROVAL FROM
- 11. TO AVOID DISTURBANCE TO EXISTING TREES, EARTHWORKS WILL BE MODIFIED AS DIRECTED ON-SITE BY THE SUPERINTENDENT.
- 12. THE LOCATION OF EROSION AND SEDIMENTATION CONTROLS WILL BE DETERMINED ON SITE BY THE SUPERINTENDENT.
- 13. ACCESS TRACKS THROUGH THE SITE WILL BE LIMITED TO THOSE DETERMINED BY THE SUPERINTENDENT AND THE CONTRACTOR PRIOR TO ANY WORK COMMENCING.
- 14. ALL SETTING OUT IS THE RESPONSIBILITY OF THE CONTRACTOR PRIOR TO WORKS COMMENCING ON SITE. THE SUPERINTENDENT'S SURVEYOR SHALL PEG ALL ALLOTMENT BOUNDARIES, PROVIDE COORDINATE INFORMATION TO THESE PEGS AND PLACE BENCH MARKS. THE CONTRACTOR SHALL SET OUT THE WORKS FROM AND
- MAINTAIN THESE PEGS. 15. PLANS ARE MINIMUM REQUIREMENTS AND ARE TO BE USED AS A GUIDE ONLY. EXACT MEASURES USED SHALL BE DETERMINED ON SITE IN CONJUNCTION WITH PROGRAM OF CONTRACTORS WORKS etc.

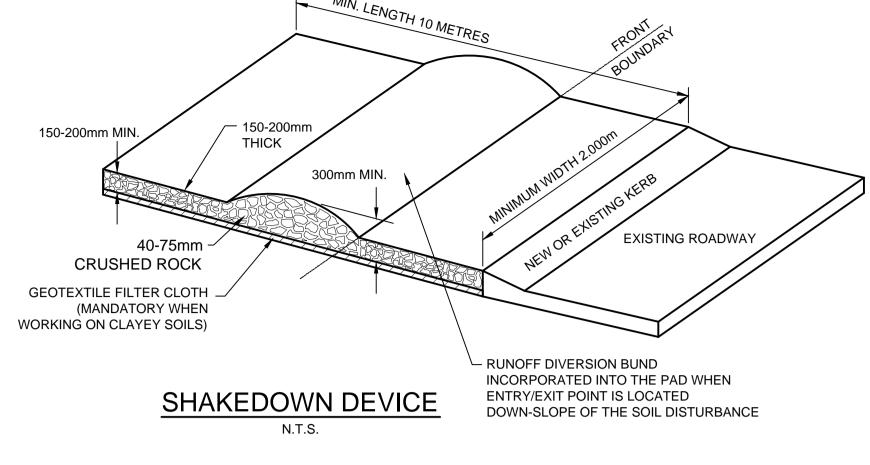


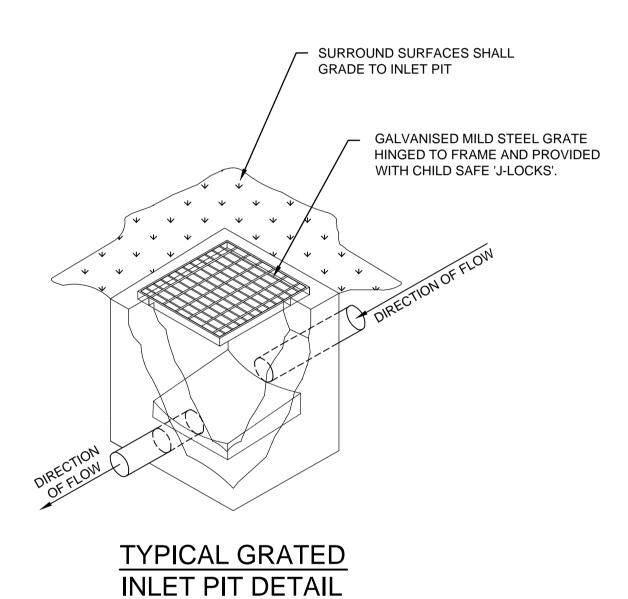
# GRATED DRAIN DETAIL

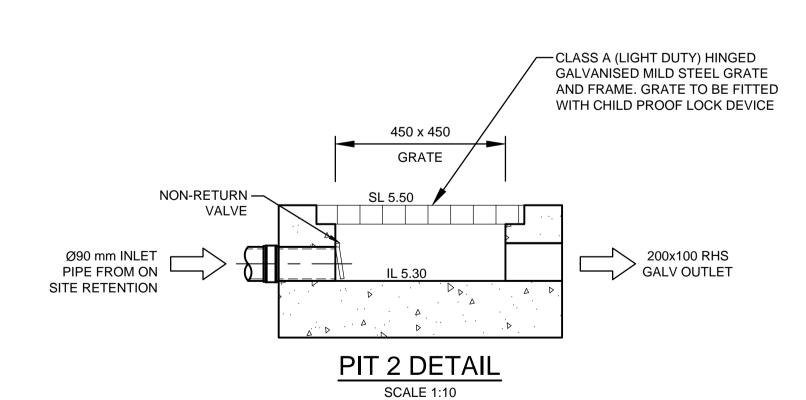


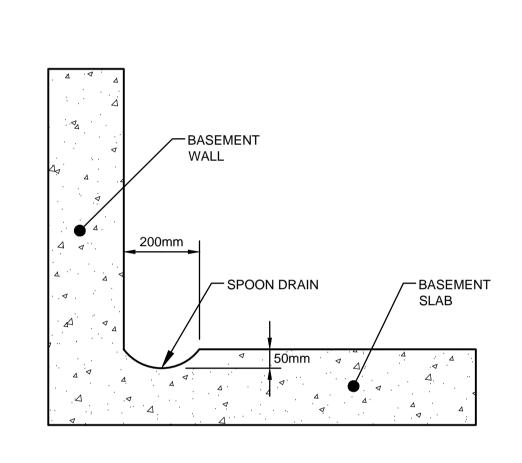


FIELD INLET SEDIMENT TRAP

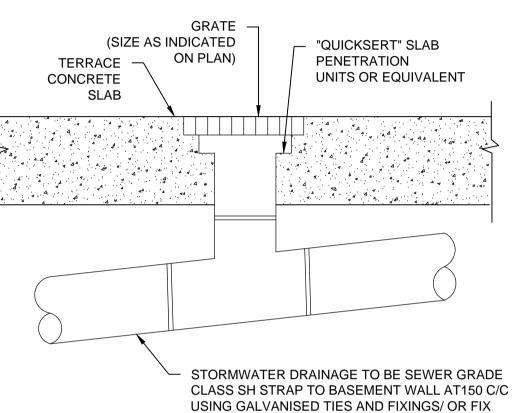






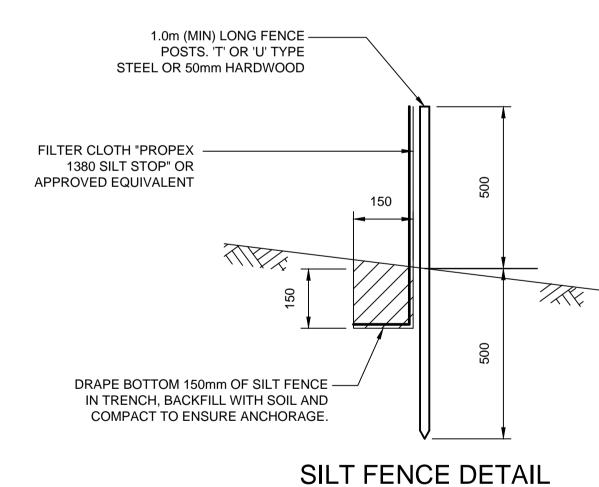


SPOON DRAIN SECTION DETAIL



RAINWATER OUTLET DETAIL

TO CEILING OF UNITS AND ENCLOSURE.



# **SILT FENCE NOTES:**

STEEP TERRAIN.

- 1. FILTER CLOTH TO BE FASTENED SECURELY TO POSTS WITH
- GALVANISED WIRE TIES, STAPLES OR ATTACHMENT BELTS.
- 2. POSTS SHOULD NOT BE SPACED MORE THAN 3.0m APART. 3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER
- THEY SHALL BE OVERLAPPED BY 150mm AND FOLDED. 4. FOR EXTRA STRENGTH TO SILT FENCE, WOVEN WIRE (14mm GAUGE, 150mm MESH SPACING) TO BE FASTENED SECURELY
- BETWEEN FILTER CLOTH AND POSTS BY WIRE TIES OR STAPLES 5. INSPECTIONS SHALL BE PROVIDED ON A REGULAR BASIS,
- ESPECIALLY AFTER RAINFALL AND EXCESSIVE SILT DEPOSITS REMOVED WHEN "BULGES" DEVELOP IN SILT FENCE 6. SEDIMENT FENCES SHALL BE CONSTRUCTED WITH SEDIMENT TRAPS AND EMERGENCY SPILLWAYS AT SPACINGS NO GREATER THAN 40m ON FLAT TERRAIN DECREASING TO 20m SPACINGS ON

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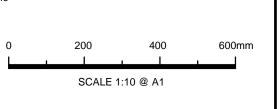
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City Council



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Parramatta NSW 2150

PO BOX 3579 Parramatta 2124

20 DENISON STREET, NEWCASTLE WEST MISCELLANEOUS PROPOSED MULTI-UNIT DEVELOPMENT | DETAILS SHEET STORMWATER CONCEPT PLANS SECTION 4.55

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#### ATTACHMENTS DISTRIBUTED UNDER SEPARATE COVER

DAC 17/05/22 – 20 DENISON STREET NEWCASTLE WEST – MA2021/00470 - SEC 4.55(2) MODIFICATION TO DA2018/01498 - SHOP TOP HOUSING - CHANGES TO FLOOR PLANS AND ELEVATIONS

ITEM-7 Attachment B: Draft Schedule of Conditions

# NOTICE OF DETERMINATION OF MODIFICATION



05 April 2022

Newcastle Diamond Pty Ltd 73 Dalton Avenue CONDELL PARK NSW 2200

#### Dear Sir/Madam

Modification Application No: MA2021/00470

**Development Application No:** DA2018/01498

**Land:** Lot 45 DP 632876

Property Address: 20 Denison Street Newcastle West NSW 2302

**Development:** Demolition of structures, erection of a twenty (20)

storey mixed use development

Your application of 29 November 2021 has been considered, pursuant to the provisions of Section 4.55 of the Act. The application has been **Approved** and the details of development consent granted by Council as per Notice of Determination dated 26 August 2019 are hereby modified, as specifically outlined in the modification details below and in the modified Notice of Determination that follows.

#### **MODIFICATION DETAILS**

#### A. Amended conditions

1. The development is to be implemented in accordance with the plans and supporting documents set out in the following table except where modified by any conditions of this consent.

Plan No / Supporting Document	Reference / Version	Prepared by	Dated
Basement Floor Plan	A-100 Rev. B	Tonkin Zulaikha Greer	04/03/2022
Ground Floor Plan	A-101 Rev. C	Tonkin Zulaikha Greer	30/03/2022
Mezzanine Floor Plan	A-102 Rev. B	Tonkin Zulaikha Greer	30/03/2022
First Floor Plan	A-103 Rev. B	Tonkin Zulaikha Greer	30/03/2022

Second Floor Plan	A-104 Rev. B	Tonkin Zulaikha Greer	30/03/2022
Third Floor Plan	A-105 Rev. B	Tonkin Zulaikha Greer	30/03/2022
Typical Lower Floor (L4-7)	A-106 Rev. A	Tonkin Zulaikha Greer	12/11/2021
Typical Upper Floor (L8-17)	A-107 Rev. A	Tonkin Zulaikha Greer	12/11/2021
Level 18 Floor Plan	A-108 Rev. A	Tonkin Zulaikha Greer	12/11/2021
Level 19 Floor	A-109 Rev. A	Tonkin Zulaikha Greer	12/11/2021
Level 20 Floor Plan	A-110 Rev. A	Tonkin Zulaikha Greer	12/11/2021
Roof Plan	A-111 Rev. A	Tonkin Zulaikha Greer	12/11/2021
Elevations 01	A-201 Rev. B	Tonkin Zulaikha Greer	30/03/2022
Elevations 02	A-202 Rev. A	Tonkin Zulaikha Greer	12/11/2021
Sections	A-301 Rev. A	Tonkin Zulaikha Greer	12/11/2021
Landscape Concept 2 <sup>nd</sup> Floor	E522_LP_01 Revision D	CPS	12/11/2021
Landscape Concept 3 <sup>rd</sup> Floor	E522_LP_02 Revision D	CPS	12/11/2021
Landscape Concept 8 <sup>th</sup> Floor	E522_LP_03 Revision D	CPS	12/11/2021
Landscape Concept 19 <sup>th</sup> Floor	E522_LP_04 Revision D	CPS	12/11/2021
Landscape Concept 20 <sup>th</sup> Floor	E522_LP_05 Revision D	CPS	12/11/2021
Landscape Elevations 01	E522_LP_06 Revision D	CPS	12/11/2021
Landscape Elevations 02	E522_LP_07 Revision D	CPS	12/11/2021
Planting Plan 2 <sup>nd</sup> Floor	E522_LP_10 Revision D	CPS	12/11/2021
Planting Plan 3 <sup>rd</sup> Floor	E522_LP_11 Revision D	CPS	12/11/2021
Planting Plan 8 <sup>th</sup> Floor	E522_LP_12 Revision D	CPS	12/11/2021
Planting Plan 19 <sup>th</sup> Floor	E522_LP_13 Revision D	CPS	12/11/2021
Planting Plan 20 <sup>th</sup> Floor	E522_LP_14 Revision D	CPS	12/11/2021
Landscape Specification, Maintenance Program & Details	E522_LP_15 Revision D	CPS	12/11/2021
Program & Details Stormwater Concept Plan Basement level Sheet 1 of 2	Dwg. 101 Issue A	Telford Civil	12/11/2021
Stormwater Concept Plan Basement level Sheet 2 of 2	Dwg. 102 Issue A	Telford Civil	12/11/2021



Stormwater	Dwg. 103 Issue A	Telford Civil	12/11/2021
Concept Plan Ground Floor			
Stormwater	Dwg. 104 Issue A	Telford Civil	12/11/2021
Concept Plan	2.19. 10.1.00007.	l onera Givii	12/11/2021
Mezzanine Floor			
Plan			
Stormwater	Dwg. 105 Issue A	Telford Civil	12/11/2021
Concept Plan First			
Floor Plan On-Site Retention	Dug 106 leave A	Telford Civil	12/11/2021
With Sand Filter	Dwg. 106 Issue A	Tellora Civii	12/11/2021
Details And			
Calculations 1 Of 2			
On-Site Retention	Dwg. 107 Issue A	Telford Civil	12/11/2021
With Sand Filter			
Details And			
Calculations 2 Of 2	50000 504 5		40.5
Preliminary Site	E23099.E01.Rev.01	Eiaustralia	12 December
Investigation Remediation	F22000 F06 Day 1	Figgustralia	2018
Action Plan	E23099.E06.Rev.1	Eiasutralia	12 December 2018
Traffic Impact	n/a	Ptc	15 November
Assessment	11/4		2021
BASIX Certificate	1257641M 02	Thermal	16 November
	_	Environmental	2021
		Engineering	
Statement of	7206171	Tonkinzulaikhag	29 November
Heritage Impact		reer	2021

4. All stormwater runoff from the proposed development is to be managed in accordance with the requirements of Element 7.06 'Stormwater' of Newcastle Development Control Plan 2012, the associated Technical Manual and the latest issue of AS 3500.3 as applicable, generally as indicated on the stormwater management concept plan prepared by Telford Civil (Job No. 2021305, dated 12/11/2021). Overflows from the proposed retention/reuse tank in the basement must be piped directly to the Denison Street kerb and gutter. Full details are to be included in documentation for a Construction Certificate.

#### B. Additional condition/s

- 14a Working drawings and specifications of the proposed building are to be submitted to the NSW Mine Subsidence Board for approval prior to an application for a Construction Certificate and any requirements of the Board are to be included in the documentation for a Construction Certificate application.
- 47a. A total monetary contribution of \$999,451.20 is to be paid to the City of Newcastle, pursuant to Section 7.12 of the Environmental Planning and Assessment Act 1979, such contribution to be payable prior to the issue of the first occupation certificate in respect of the proposed development.
- 14b. Five visitor car parking spaces are to be provided with electric vehicle charging points and associated electric circuitry in accordance with the relevant Australian Standard AS/NZS 3000. Details of the charging points location and design are to be included within documentation for any Construction Certificate.

#### Note:

 This condition is imposed in accordance with the provisions of the City of Newcastle's Section 7.12 Newcastle Local Infrastructure Contributions Plan 2019.



- The City of Newcastle's Section 7.12 Newcastle Local Infrastructure Contributions Plan 2019 permits deferred or periodic payment of levies in certain circumstances.
   A formal modification of this condition will be required to enter into a deferred or periodic payment arrangement.
- iii) Certifiers are required to obtain documentation from City of Newcastle confirming the payment of infrastructure contributions prior to the issuing of an occupation certificate.
- iv) The amount of contribution payable under this condition has been calculated on the basis of the current rate as at the date of consent and is based on the most recent quarterly Consumer Price Index (CPI) release made available by the Australian Bureau of Statistics (ABS). The CPI index rate is expected to rise at regular intervals and therefore the actual contribution payable is indexed and recalculated at the CPI rate applicable on the day of payment.

CPI quarterly figures are released by the ABS on a date after the indexation quarter and, as a guide, these approximate dates are as follows:

Indexation quarters Approximate release date

September Late October
December Late January
March Late April
June Late July

Any party intending to act on this consent should contact City of Newcastle's Customer Enquiry Centre for determination of the indexed amount of contribution on the date of payment.

#### C. Deleted Condition/s

2. A total monetary contribution of \$829,290.00 is to be paid to City of Newcastle, pursuant to Section 94A of the Environmental Planning and Assessment Act 1979, such contribution to be payable prior to the issue of a Construction Certificate in respect of the proposed development.

#### Note:

- a) This condition is imposed in accordance with the provisions of The City of Newcastle S94A Development Contributions Plan 2009 (updated version operational from 15 March 2011). A copy of the plan may be inspected at City of Newcastle's Customer Enquiry Centre, 8.30 am to 5.00 pm, excluding public holidays.
- b) The City of Newcastle S94A Development Contributions Plan 2009 permits deferred or periodic payment of levies in certain circumstances. A formal modification of this condition will be required to enter into a deferred or periodic payment arrangement. Refer to the s94A Development Contributions Plan 2009.
- c) The amount of contribution payable under this condition has been calculated on the basis of the current rate as at the date of consent and is based on the most recent quarterly Consumer Price Index (CPI) release made available by the Australian Bureau of Statistics (ABS). The CPI index rate is expected to rise at



regular intervals and therefore the actual contribution payable is indexed and recalculated at the CPI rate applicable on the day of payment.

CPI quarterly figures are released by the ABS on a date after the indexation quarter and as a guide, these approximate dates are provided below. Indexation quarters from the ABS are as follows:

September Late October
December Late January
March Late April
June Late July

Any party intending to act on this consent should contact City of Newcastle's Customer Enquiry Centre for determination of the indexed amount of contribution on the date of payment.

#### **Review of Determination:**

(i) You have the right to request a review of this determination under the Environmental Planning and Assessment Act 1979 provided that this determination is not made in respect of designated or crown development. The determination cannot be reviewed after a 12 month time period, from the date of determination or after an appeal to the Land and Environment Court is disposed of by the Land and Environment Court. To comply with these time frames any request for a review should be promptly made to Council.

#### **Rights of Appeal:**

(ii) If you are dissatisfied with the determination of Council you may appeal to the Land and Environment Court within 12 months after the date on which you receive notice of the determination of the application or review. Otherwise the right to appeal is exercisable in accordance with the rules of the Land and Environment Court.

If you are considering exercising your rights of appeal or lodging a request for a review, it may be advisable to obtain legal advice regarding the interpretation of your rights in relation to such matters.

Gareth Simpson
SENIOR DEVELOPMENT OFFICER

**Date of Determination** 





#### **MODIFIED NOTICE OF DETERMINATION**

**Modified Application No:** MA2021/00470

#### **SCHEDULE 1**

#### **APPROVED DOCUMENTATION**

1. The development is to be implemented in accordance with the plans and supporting documents set out in the following table except where modified by any conditions of this consent.

Plan No / Supporting Document	Reference / Version	Prepared by	Dated
Basement Floor Plan	A-100 Rev. B	Tonkin Zulaikha Greer	04/03/2022
Ground Floor Plan	A-101 Rev. C	Tonkin Zulaikha Greer	30/03/2022
Mezzanine Floor Plan	A-102 Rev. B	Tonkin Zulaikha Greer	30/03/2022
First Floor Plan	A-103 Rev. B	Tonkin Zulaikha Greer	30/03/2022
Second Floor Plan	A-104 Rev. B	Tonkin Zulaikha Greer	30/03/2022
Third Floor Plan	A-105 Rev. B	Tonkin Zulaikha Greer	30/03/2022
Typical Lower Floor (L4-7)	A-106 Rev. A	Tonkin Zulaikha Greer	12/11/2021
Typical Upper Floor (L8-17)	A-107 Rev. A	Tonkin Zulaikha Greer	12/11/2021
Level 18 Floor Plan	A-108 Rev. A	Tonkin Zulaikha Greer	12/11/2021
Level 19 Floor Plan	A-109 Rev. A	Tonkin Zulaikha Greer	12/11/2021
Level 20 Floor Plan	A-110 Rev. A	Tonkin Zulaikha Greer	12/11/2021
Roof Plan	A-111 Rev. A	Tonkin Zulaikha Greer	12/11/2021
Elevations 01	A-201 Rev. B	Tonkin Zulaikha Greer	30/03/2022
Elevations 02	A-202 Rev. A	Tonkin Zulaikha Greer	12/11/2021
Sections	A-301 Rev. A	Tonkin Zulaikha Greer	12/11/2021
Landscape Concept 2 <sup>nd</sup> Floor	E522_LP_01 Revision D	CPS	12/11/2021
Landscape Concept 3 <sup>rd</sup> Floor	E522_LP_02 Revision D	CPS	12/11/2021

Landscape Concept 8 <sup>th</sup> Floor	E522_LP_03 Revision D	CPS	12/11/2021
Landscape Concept 19 <sup>th</sup> Floor	E522_LP_04 Revision D	CPS	12/11/2021
Landscape Concept 20th Floor	E522_LP_05 Revision D	CPS	12/11/2021
Landscape Elevations 01	E522_LP_06 Revision D	CPS	12/11/2021
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Planting Plan 2 <sup>nd</sup> Floor	E522_LP_10 Revision D	CPS	12/11/2021
Planting Plan 3 <sup>rd</sup> Floor	E522_LP_11 Revision D	CPS	12/11/2021
Planting Plan 8 <sup>th</sup> Floor	E522_LP_12 Revision D	CPS	12/11/2021
Planting Plan 19 <sup>th</sup> Floor	E522_LP_13 Revision D	CPS	12/11/2021
Planting Plan 20 <sup>th</sup> Floor	E522_LP_14 Revision D	CPS	12/11/2021
Landscape Specification, Maintenance Program & Details	E522_LP_15 Revision D	CPS	12/11/2021
Stormwater Concept Plan Basement level Sheet 1 of 2	Dwg. 101 Issue A	Telford Civil	12/11/2021
Stormwater Concept Plan Basement level Sheet 2 of 2	Dwg. 102 Issue A	Telford Civil	12/11/2021
Stormwater Concept Plan Ground Floor	Dwg. 103 Issue A	Telford Civil	12/11/2021
Stormwater Concept Plan Mezzanine Floor Plan	Dwg. 104 Issue A	Telford Civil	12/11/2021
Stormwater Concept Plan First Floor Plan	Dwg. 105 Issue A	Telford Civil	12/11/2021
On-Site Retention With Sand Filter Details And Calculations 1 Of 2	Dwg. 106 Issue A	Telford Civil	12/11/2021
On-Site Retention With Sand Filter Details And Calculations 2 Of 2	Dwg. 107 Issue A	Telford Civil	12/11/2021
Preliminary Site Investigation	E23099.E01.Rev.01	Eiaustralia	12 December 2018
Remediation Action Plan	E23099.E06.Rev.1	Eiasutralia	12 December 2018



Traffic Impact	n/a	Ptc	15 November
Assessment			2021
BASIX Certificate	1257641M_02	Thermal	16 November
	_	Environmental	2021
		Engineering	
Statement of	7206171	Tonkinzulaikhag	29 November
Heritage Impact		reer	2021

In the event of any inconsistency between conditions of this development consent and the plans/supporting documents referred to above, the conditions of this development consent prevail.

# CONDITIONS TO BE SATISFIED PRIOR TO THE ISSUE OF A CONSTRUCTION CERTIFICATE

2. A total monetary contribution of \$829,290.00 is to be paid to City of Newcastle, pursuant to Section 94A of the Environmental Planning and Assessment Act 1979, such contribution to be payable prior to the issue of a Construction Certificate in respect of the proposed development.

#### Note:

- a) This condition is imposed in accordance with the provisions of The City of Newcastle S94A Development Contributions Plan 2009 (updated version operational from 15 March 2011). A copy of the plan may be inspected at City of Newcastle's Customer Enquiry Centre, 8.30 am to 5.00 pm, excluding public holidays.
- b) The City of Newcastle S94A Development Contributions Plan 2009 permits deferred or periodic payment of levies in certain circumstances. A formal modification of this condition will be required to enter into a deferred or periodic payment arrangement. Refer to the s94A Development Contributions Plan 2009.
- c) The amount of contribution payable under this condition has been calculated on the basis of the current rate as at the date of consent and is based on the most recent quarterly Consumer Price Index (CPI) release made available by the Australian Bureau of Statistics (ABS). The CPI index rate is expected to rise at regular intervals and therefore the actual contribution payable is indexed and recalculated at the CPI rate applicable on the day of payment.

CPI quarterly figures are released by the ABS on a date after the indexation quarter and as a guide, these approximate dates are provided below. Indexation quarters from the ABS are as follows:

Indexation quarters	Approx. release date
September	Late October
December	Late January
March	Late April
June	Late July

Any party intending to act on this consent should contact City of Newcastle's Customer Enquiry Centre for determination of the indexed amount of contribution on the date of payment.

3. All proposed driveways, parking bays, loading bays and vehicular turning areas are to be constructed with a basecourse of adequate depth to suit design traffic, being sealed with either bitumen seal, asphaltic concrete, concrete or interlocking pavers and being



properly maintained. Full details are to be included in documentation for a Construction Certificate application.

- 4. All stormwater runoff from the proposed development is to be managed in accordance with the requirements of Element 7.06 'Stormwater' of Newcastle Development Control Plan 2012, the associated Technical Manual and the latest issue of AS 3500.3 as applicable, generally as indicated on the stormwater management concept plan prepared by Telford Civil (Job No. 2021305, dated 12/11/2021). Overflows from the proposed retention/reuse tank in the basement must be piped directly to the Denison Street kerb and gutter. Full details are to be included in documentation for a Construction Certificate.
- 5. All proposed planting and landscape elements indicated on the submitted landscape concept plan or otherwise required under the conditions of this consent are required to be detailed on a landscape plan and specification. The plan and specifications is to be prepared in accordance with the provisions of Newcastle Development Control Plan 2012 and is to include details of the following:
  - a) cross sections through the site where appropriate
  - b) proposed contours or spot levels
  - c) botanical names
  - d) quantities and container size of all proposed trees
  - e) shrubs and ground cover
  - f) details of proposed soil preparation
  - g) mulching and staking
  - h) treatment of external surfaces and retaining walls where proposed
  - i) drainage, location of taps and
  - i) appropriate maintenance periods.

The plan is to be prepared by a qualified landscape designer and be included in documentation for a Construction Certificate application.

- 6. The car park is to be designed to comply with AS/NZS 2890.1:2004 Parking facilities Off-street car parking and AS/NZS 2890.6:2009 Parking facilities Off-street parking for people with disabilities. Details are to be included in documentation for a Construction Certificate application.
- 7. The applicant is to comply with all requirements of the Hunter Water Corporation regarding the connection of water supply and sewerage services, including the payment of any required cash contribution towards necessary amplification of service mains in the locality as a result of the increased intensity of land use proposed. A copy of the Corporation's compliance certificate (refer s50 *Hunter Water Act 1991*) is to be included in documentation for a Construction Certificate application.
- 8. Adequate facilities are to be provided within an adequately screened location, for the



storage of garbage. Full details are to be included in documentation for a Construction Certificate application.

- 9. A group type mailbox is to be provided at the street frontage in accordance with the requirements of Australia Post, clearly displaying individual unit numbers and the required house number. Full details are to be included in the documentation for a Construction Certificate application.
- 10. A commercial vehicular crossing is to be constructed across the road reserve, in accordance with the following criteria:
  - a) Constructed in accordance with City of Newcastle's A1300 Driveway Crossings Standard Design Details.
  - b) The driveway crossing, within the road reserve, shall be a maximum of 6 metres wide.
  - c) Letterboxes, landscaping and any other obstructions to visibility should be kept clear of or limited in height to 1.2 metre, in the 2 metre by 2.5 metre splay within the property boundary each side of the driveway entrance.
  - d) The proposed driveway shall be a minimum of 3 metres clear of the trunk of any tree within the public reserve.
  - e) The proposed driveway shall be a minimum of 750mm clear of the centre of any pole or obstruction within the public reserve and 1 metre clear of any drainage pit.

These works are not approved until consent under Section 138 of the Roads Act 1993 (NSW) has been granted by City of Newcastle. An application under Section 138 must be lodged and consent obtained, or other satisfactory arrangements confirmed in writing from City of Newcastle, before the issue of a Construction Certificate.

- 11. A separate application must be lodged and consent obtained from City of Newcastle for all works within the road reserve pursuant to Section 138 of the *Roads Act 1993 (NSW)*, before the issue of a Construction Certificate. The consent must be obtained, or other satisfactory arrangements confirmed in writing from City of Newcastle, before the issue of a Construction Certificate.
- 12. The Developer designing and constructing the following works in connection with the proposed development within the Denison Street public road reserve, adjacent to the site, at no cost to City of Newcastle and in accordance with City of Newcastle's guidelines and design specifications:
  - a) Road shoulder pavement
  - b) Kerb and gutter replacement
  - c) New driveway crossing
  - c) Full width foot paving
  - d) Associated drainage works
  - e) Linemarking and signposting for new parking spaces

Engineering design plans and specifications for the works being undertaken within the public road reserve are required to be prepared by a suitably qualified practising civil engineer with experience and competence in the related field and submitted to City of Newcastle for approval pursuant to Section 138 of the *Roads Act 1993*. The consent must be obtained, or other satisfactory arrangements confirmed in writing from City of Newcastle, before the issue of a Construction Certificate.



- 13. Prior to the issue of a Construction Certificate, the proponent is to prepare and submit to the Principal Certifying Authority and City of Newcastle an Environmental Management Plan (EMP) for construction/demolition works on the site, which is to be kept on site and made available to authorised City of Newcastle officers upon request. The EMP is to include but not be limited to:
  - a. A site management strategy, identifying and addressing issues such as environmental health and safety, site security, and traffic management.
  - b. A water management strategy, detailing erosion and sediment control, management of soil stockpiles, control and management of surface water, groundwater and process water. Procedures should also be included to ensure that all roads adjacent to the site are kept free and clear from mud and sediment.
  - c. A dust management strategy, detailing procedures to minimise dust generation, with reference to control techniques and operational limits under adverse meteorological conditions. This strategy should be cross-referenced with the water management strategy
  - d. A soil management strategy, detailing measures to be implemented to manage the identification and control and disposal of any acid sulphate soils or soil contamination identified during site works.
  - e. A noise and vibration management program detailing measures to minimise the impact of the construction phase on the amenity of the locality in accordance with Australian Standard AS 2436. 2010 (Guide to Noise and Vibration control on Construction, Demolition and Maintenance Sites).
  - f. A waste minimisation strategy, which aims to avoid production of waste and maximise reuse, recycling or reprocessing of potential waste material.
  - g. A community relations plan, which aims to inform residents and other local stakeholders of the proposed nature and timeframes for demolition and construction activities together with contact details for site management.
- 14. A public art feature shall be designed for the site in consultation with Newcastle City Council and the Design Excellence Panel. The public artwork is to have a minimum value of 1% (\$276,430.00) of the capital cost of the development.

This feature shall provide visual interest for pedestrians and interpret or reflect the local setting, landscape setting and/or cultural setting of the Newcastle area. The feature shall be designed to ensure long-term durability and be resistant to vandalism. Details shall be approved by Council prior to issue of the Construction Certificate, including details of the costs of such works. The applicant is advised to liaise with Council during the design stages.

- 14a. Working drawings and specifications of the proposed building are to be submitted to the NSW Mine Subsidence Board for approval prior to an application for a Construction Certificate and any requirements of the Board are to be included in the documentation for a Construction Certificate application.
- 14b. Five visitor car parking spaces are to be provided with electric vehicle charging points and associated electric circuitry in accordance with the relevant Australian Standard AS/NZS 3000. Details of the charging points location and design are to be included within documentation for any Construction Certificate.



# CONDITIONS TO BE SATISFIED PRIOR TO THE COMMENCEMENT OF WORK AND DURING THE CONSTRUCTION PHASE

15. An assessment of the likelihood of the presence of any Aboriginal sites in relation to the proposed development area is to be undertaken to comply with the requirements of the *National Parks and Wildlife Act 1974* and the significance and requirements for the protection of any sites being incorporated into the documentation for a Construction Certificate application. Written confirmation that the National Parks and Wildlife Service's requirements have been met shall be submitted to City of Newcastle prior to engineering works commencing. Any submitted archaeological study shall be accompanied by a letter from the appropriate Local Aboriginal Land City of Newcastle stating that they are satisfied with the study process and that appropriate arrangements are in place for continued consultation during development of the site.

Note: It is illegal to knowingly damage, deface or destroy a 'relic' or Aboriginal Place without the Director's prior written consent.

- 16. Any demolition/waste building materials that are not suitable for recycling are to be disposed of at City of Newcastle's Summerhill Waste Management Facility or other approved site.
- 17. The removal of any asbestos material during the demolition phase of the development is to be in accordance with the requirements of the SafeWork NSW.
- 18. Any excavated material to be removed from the site is to be assessed, classified, transported and disposed of in accordance with the Department of Environment and Climate Change's 'Waste Classification Guidelines Part 1: Classifying Waste'.
- 19. Any fill material imported into the site is to be Virgin Excavated Natural Material or material subject to a Resource Recovery Order that is permitted to be used as a fill material under the conditions of the associated Resource Recovery Exemption, in accordance with the provisions of the *Protection of the Environment Operations Act* 1997 and the *Protection of the Environment (Waste) Regulation 2014.*
- 20. Documentation demonstrating the compliance with the conditions of the appropriate Resource Recovery Order and Resource Recovery Exemption must be maintained for any material received at the site and subsequently applied to land under the conditions of the Resource Recovery Order and Exemption. This documentation must be provided to City of Newcastle officers or the Principal Certifying Authority on request.
- 21. Erosion and sediment control measures are to be implemented prior to the commencement of works and maintained during the period of demolition and/or construction in accordance with the requirements of Managing Urban Stormwater: Soils and Construction 4<sup>th</sup> Edition Vol. 1 (the 'Blue Book') published by Landcom, 2004. Controls are not to be removed until the site is stable with all bare areas supporting an established vegetative cover.
- 22. All necessary measures are to be undertaken to control dust pollution from the site. These measures must include, but not are limited to:
  - a) Restricting topsoil removal
  - b) Regularly and lightly watering dust prone areas (note: prevent excess watering as



it can cause damage and erosion

- c) Alter or cease construction work during periods of high wind and
- d) Erect green or black shadecloth mesh or similar products 1.8m high around the perimeter of the site and around every level of the building under construction.
- 23. During construction works, an assessment of acid sulfate soil potential is to be undertaken in the area of excavation. If acid sulfate soils are found to be present, soils are to be treated in accordance with the New South Wales Acid Sulfate Soil Management Advisory Committee's 'Acid Sulfate Soil Manual'.
- 24. Toilet facilities are to be available or provided at the work site before works begin and be maintained until the works are completed, at a ratio of one toilet plus one additional toilet for every 20 persons employed at the site.

#### Each toilet is to:

- a) Be a standard flushing toilet connected to a public sewer, or
- b) Have an on-site effluent disposal system approved under the *Local Government Act 1993*, or
- c) Be a temporary chemical closet approved under the *Local Government Act 1993*.
- 25. A Hazardous Substances Management Plan is to be prepared by a competent person for the building(s) or parts of the building(s) proposed to be demolished in accordance with Australian Standard 2601:2001 The Demolition of Structures. A copy of the Hazardous Substances Management Plan is to be provided to City of Newcastle (marked to Attention: Compliance Services) and the demolisher prior to commencement of work.
- 26. The demolition works are to be undertaken in accordance with Australian Standard 2601:2001 The Demolition of Structures and the following requirements:
  - a) Demolition works shall be conducted in accordance with the submitted Hazardous Substances Management Plan and a copy of the Hazardous Substances Management Plan shall be kept on-site for the duration of the proposed development
  - b) The removal, handling and disposal of any asbestos material is to be undertaken only by an asbestos removal contractor who holds the appropriate class of Asbestos Licence, issued by the SafeWork NSW
  - A copy of all waste disposal receipts are to be kept on-site for the duration of the proposed development and made available to authorised City of Newcastle Officers upon request
  - d) Seven working days' notice in writing is to be given to City of Newcastle and the owners/occupiers of neighbouring premises prior to the commencement of any demolition works. Such written notice is to include the date demolition will commence and details of the name, address, contact telephone number(s) and licence details (type of licences held and licence numbers) of any asbestos removal contractor and demolition contractor. Notification to owners/occupiers of neighbouring premises shall also include City of Newcastle's contact telephone number (49742000) and the SafeWork NSW telephone number (49212900) and



- e) On sites where asbestos materials are to be removed, a standard commercially manufactured sign containing the words 'DANGER ASBESTOS REMOVAL IN PROGRESS' measuring not less than 400mm x 300mm is to be erected in a prominent position during asbestos removal works.
- 27. The demolisher is to ensure that all services (ie water, telecommunications, gas, electricity, sewerage etc), are disconnected in accordance with the relevant authority's requirements prior to demolition.
- 28. Any waste containers used in association with the proposed demolition are to be located on the site where possible.

Note: Where this is not feasible, application must be made for City of Newcastle's approval to position the container on the adjacent public road in accordance with City of Newcastle's adopted Building Waste Container Policy.

29. All demolition material incapable of being re-used in future redevelopment of the site is to be removed from the site and the site being cleared and levelled.

Note: Where reusable building materials are to be stored on site for use in future building works, such materials are to be neatly stacked at least 150 mm above the ground.

- 30. The demolisher is to ensure that all demolition material is kept clear of the public footway and carriageway as well as adjoining premises.
- 31. Waste management shall be implemented in accordance with the approved Waste Management Plan. At a minimum, the following measures shall be implemented during the construction phase:
  - a) A waste container of at least one cubic metre capacity shall be provided, maintained and regularly serviced from the commencement of operations until the completion of the building for the reception and storage of waste generated by the construction of the building and associated waste;
  - b) The waste container is to be, at minimum, constructed with a 'star' picket (corners) and weed control mat (sides), or equivalent. The matting is to be securely tied to the pickets:
  - c) Appropriate provision is to be made to prevent windblown rubbish leaving the site; and
  - d) Footpaths, road reserves and public reserves are to be maintained clear of rubbish, building materials and all other items.

Note: Fines may be issued for pollution/littering offences under the *Protection of the Environment Operations Act 1997*.

- 32. A rigid and durable sign is to be erected on any site on which building work, subdivision work or demolition work is being carried out, before the commencement of the work:
  - a) showing the name, address and telephone number of the Principal Certifying Authority for building work and subdivision work, and
  - b) showing the name, address and telephone number of the Principal Contractor for any



building work and also including a telephone number on which the Principal Contractor may be contacted at any time for business purposes, and

- c) stating that unauthorised entry to the work site is prohibited, and
- d) being erected in a prominent position that can be read easily by anyone in any public road or other public place adjacent to the site.

Any such sign is to be maintained while the building work, subdivision work or demolition work is being carried out, but must be removed when the work has been completed.

- 33. All excavations and backfilling are to be executed safely in accordance with appropriate professional standards and excavations are to be properly guarded and protected to prevent them from being dangerous to life and property.
- 34. All building materials, plant and equipment is to be placed on the site of the development so as to ensure that pedestrian and vehicular access in public places is not restricted and to prevent damage to the road reserve. The storage of building materials on City of Newcastle reserves including the road reserve is not permitted.
- 35. Any alteration to natural surface levels on the site is to be undertaken in such a manner as to ensure that there is no increase in surface water runoff to adjoining properties or that runoff is impounded on adjoining properties, as a result of the development.
- 36. Construction/demolition work that generates noise that is audible at residential premises is to be restricted to the following times:
  - Monday to Friday, 7:00 am to 6:00 pm and
  - Saturday, 8:00 am to 1:00 pm.

No noise from construction/demolition work is to be generated on Sundays or public holidays.

37. City of Newcastle's 'PREVENT POLLUTION' sign is to be erected and maintained in a conspicuous location on or adjacent to the property boundary so it is clearly visible to the public or at other locations on the site as otherwise directed by City of Newcastle for the duration of demolition and construction work.

Note: City of Newcastle's 'PREVENT POLLUTION' sign can be obtained by presenting your development application receipt at CN's Customer Enquiry Counter.

- 38. Erosion and sediment control measures are to be implemented prior to the commencement of works and maintained during the period of demolition and/or construction in accordance with the requirements of Managing Urban Stormwater: Soils and Construction 4<sup>th</sup> Edition Vol. 1 (the 'Blue Book') published by Landcom, 2004. Controls are not to be removed until the site is stable with all bare areas supporting an established vegetative cover.
- 39. Where the proposed development involves the destruction or disturbance of any existing survey monuments, those monuments affected are to be relocated at no cost to City of Newcastle by a Surveyor registered under the *Surveying and Spatial Information Act* 2002.
- 40. All public trees that are required to be retained must be physically protected in accordance with the City of Newcastle Urban Forest Technical Manual 'Section 8.0



#### Protection Measures'.

The tree protection fencing must remain in place and maintained until all works have been completed, with no waste materials, washouts, equipment or machinery to be stored within the fenced area.

- 41. All building work must be carried out in accordance with the provisions of the National Construction Code.
- 42. In the case of residential building work for which the *Home Building Act 1989* requires there to be a contract of insurance in force in accordance with Part 6 of that Act, such a contract of insurance is to be in force before any building work authorised to be carried out by this consent commences.
- 43. If the soil conditions require it, retaining walls associated with the erection or demolition of a building or other approved methods of preventing movement of the soil must be provided and adequate provision must be made for drainage.
- 44. All roof and surface waters are to be conveyed to the street gutter by way of a sealed pipe system, extending through the footway to City of Newcastle requirements, in accordance with Element 7.06 'Stormwater' of Newcastle Development Control Plan 2012.
- 45. The proposed visitor parking bays are to be clearly indicated by means of signs and/or pavement markings.
- 46. Prior to the commencement of work, a 3m wide all weather vehicle access is to be provided from the kerb and gutter to the building under construction, to reduce the potential for soil erosion. Sand shall not be stockpiled on the all weather vehicle access.

# CONDITIONS TO BE SATISFIED PRIOR TO THE ISSUE OF AN OCCUPATION CERTIFICATE, A SUBDIVISION CERTIFICATE OR A STRATA CERTIFICATE

47. Appropriate acoustic treatment is to be implemented in accordance with the recommendations set out in the report prepared by Reverb Acoustics, dated 17 December 2018. Written final certification confirming the recommended acoustic treatment has been implemented in accordance with the requirements of the above report is to be submitted to the Principal Certifying Authority and City of Newcastle prior to the issue of an Occupation Certificate.

Note: The acoustic consultant may need to be involved during the construction process in order to ensure final certification is achieved.

47a. A total monetary contribution of \$999,451.20 is to be paid to the City of Newcastle, pursuant to Section 7.12 of the Environmental Planning and Assessment Act 1979, such contribution to be payable prior to the issue of the first occupation certificate in respect of the proposed development.

#### Note:

- i) This condition is imposed in accordance with the provisions of the City of Newcastle's Section 7.12 Newcastle Local Infrastructure Contributions Plan 2019.
- ii) The City of Newcastle's Section 7.12 Newcastle Local Infrastructure Contributions Plan 2019 permits deferred or periodic payment of levies in certain circumstances. A



formal modification of this condition will be required to enter into a deferred or periodic payment arrangement.

- iii) Certifiers are required to obtain documentation from City of Newcastle confirming the payment of infrastructure contributions prior to the issuing of an occupation certificate.
- iv) The amount of contribution payable under this condition has been calculated on the basis of the current rate as at the date of consent and is based on the most recent quarterly Consumer Price Index (CPI) release made available by the Australian Bureau of Statistics (ABS). The CPI index rate is expected to rise at regular intervals and therefore the actual contribution payable is indexed and recalculated at the CPI rate applicable on the day of payment.

CPI quarterly figures are released by the ABS on a date after the indexation quarter and, as a guide, these approximate dates are as follows:

Indexation quarters Approximate release date

September Late October
December Late January
March Late April
June Late July

Any party intending to act on this consent should contact City of Newcastle's Customer Enquiry Centre for determination of the indexed amount of contribution on the date of payment.

- 48. The proposed remediation work is to be carried out in accordance with the requirements set out in the submitted Remediation Action Plan (RAP) prepared by El Australia Pty Ltd dated 12 December 2018 and the Newcastle City City of Newcastle Development Control Plan. Details of the work undertaken is to be provided prior to the issue of the Occupation Certificate.
- 49. Following the implementation of the Remediation Action Plan (RAP), a validation report is to be prepared by a suitably qualified consultant and submitted to City of Newcastle and the Principal Certifying Authority. This report is to be written in accordance with the relevant Environment Protection Authority Guidelines.
- 50. Appropriate acoustic treatment is to be implemented in accordance with the recommendations set out in the report prepared by Noise Impact Assessment prepared by Reverb Acoustics (RA-R1) dated December 2018 and Letter response to "Request for Additional Information Denison Street Apartments" prepared by Reverb Acoustics dated 12 February 2019 (Ref 182238- L2). Written final certification confirming the recommended acoustic treatment has been implemented in accordance with the requirements of the above report is to be submitted to the Principal Certifying Authority and City of Newcastle prior to the issue of an Occupation Certificate.

Note: The acoustic consultant may need to be involved during the construction process in order to ensure final certification is achieved.

51. All public footways, footpaving, kerbs, gutters and road pavement damaged during the works are to be immediately repaired following the damage, to a satisfactory state that provides for safe use by pedestrians and vehicles. Full restoration of the damage is to be carried out to City of Newcastle's satisfaction prior to the completion of demolition work or prior to the issue of any occupation certificate in respect of development involving building work.



- 52. All commitments listed in the relevant BASIX certificate for the development are to be satisfactorily completed prior to the issue of an Occupation Certificate. Should there be any changes to the specifications of the dwelling that have implications for compliance with the approved certificate, except where restricted or excluded by any other condition of consent, an amended BASIX Certificate can be relied upon as having complied with this condition. A copy of any amended BASIX Certificate is to be provided to City of Newcastle within fourteen days of receipt.
- 53. All works within the road reserve required by this consent are to be completed prior to the issue of a Final Occupation Certificate.
- 54. Any redundant existing vehicular crossing is to be removed at no cost to City of Newcastle. The road reserve and kerb being restored to, City of Newcastle's satisfaction, to match the existing infrastructure. Works are to be completed prior to the issuing of a Final Occupation Certificate for the proposed development.
- 55. A copy of the stormwater drainage design plans approved with the Construction Certificate with 'work as executed' levels indicated, shall be submitted to the Principal Certifying Authority and to the City of Newcastle prior to the issue of an Occupation Certificate. The plans shall be prepared by a Practising Professional Engineer or Registered Surveyor experienced in the design of stormwater drainage systems.
- 56. A Landscape Practical Completion Report is to be submitted to the Principal Certifying Authority prior to the issue of the Final Occupation Certificate. The report is to verify that all landscape works have been carried out in accordance with the comprehensive landscape design plan and specifications that were required to be included in documentation for a Construction Certificate application and is to verify that an effective maintenance program has been commenced.
- 57. The premises are to be identified by the provision of house and street numbers on the building exterior and mailbox, respectively, such that they are clearly visible from the road frontage.

The minimum numeral heights shall be:

- a) Exterior of the building = 75mm and
- b) Group mailbox street number = 150mm house number = 50mm
- 58. The water management measures as indicated on the submitted plans and Statement of Environmental Effects and/or as modified under the terms of this consent are to be implemented and the nominated fixtures and appliances are to be installed and operational prior to issue of an Occupation Certificate.
- 59. A design verification statement from a qualified designer shall be submitted to the Principal Certifying Authority prior to the issue of an Interim or Final Occupation Certificate, whichever occurs first. The statement shall confirm the development has been constructed in accordance with the quality principles set out in Part 2 of State Environmental Planning Policy No. 65 - Design Quality of Residential Flat Development.

Note: 'Qualified Designer' means a person registered as an architect in accordance with the *Architects Act 2003*. This condition is imposed in accordance with Clauses 154A of the *Environmental Planning and Assessment Regulation 2000*.

60. The public art feature/s is to be installed on site prior to the issue of the Final Occupation



Certificate.

# CONDITIONS TO BE SATISFIED DURING THE OPERATION AND USE THE DEVELOPMENT

61. The use and occupation of the premises is not to give rise to the emission of any 'air impurity' as defined under the *Protection of the Environment Operations Act 1997*, that interferes unreasonably with the amenity of neighbouring premises and/or other sensitive receivers.

Should City of Newcastle consider that unreasonable levels of air impurities have been emitted from the premises, the owner/occupier will be required to engage a suitably qualified consultant to recommend measures to control emissions of air impurities to an acceptable level and such measures being implemented within a nominated time period. Furthermore, written certification from the suitably qualified consultant will be required to be submitted to City of Newcastle confirming that air impurity emissions from the premises do not interfere unreasonably with the amenity of neighbouring premises and/or other sensitive receptors before the expiration of the nominated period.

62. The hours of operation or trading of the premises are to be not more than from:

DAY	START	FINISH
Monday	8:00 am	6.00 pm
Tuesday	8:00 am	6.00 pm
Wednesday	8:00 am	6.00 pm
Thursday	8:00 am	6.00 pm
Friday	8:00 am	6.00 pm
Saturday	9:00 am	3:00 pm
Sunday	No operation	No operation

unless a separate application to vary the hours of operation or trading has been submitted to and approved by City of Newcastle.

63. The use and occupation of the premises, including all plant and equipment installed thereon, is not to give rise to any offensive noise, as defined under the *Protection of the Environment Operations Act 1997*.

Should City of Newcastle consider offensive noise has emanated from the premises, the owner/occupier of the premises will be required to submit an acoustic assessment prepared by a suitably qualified acoustical consultant recommending appropriate acoustic measures necessary to ensure future compliance with this condition and will be required to implement such measures within a nominated period. Furthermore, written certification from the said consultant confirming the recommended acoustic measures have been satisfactorily implemented will be required to be submitted to City of Newcastle prior to the expiration of the nominated period.

#### **ADVISORY MATTERS**

It is recommended that, prior to commencement of work, the free national community
service 'Dial before you Dig' be contacted on 1100 or by fax on 1200 652 077 regarding
the location of underground services in order to prevent injury, personal liability and
even death. Inquiries should provide the property details and the nearest cross
street/road.

Any	necessary	alterations	to	public	utility	installations	are	to	be	at	the
devel	oper/demoli	sher's expen	se a	nd to the	e require	ements of both	City	of N	ewca	astle	and



any other relevant authorities. City of Newcastle and other service authorities should be contacted for specific requirements prior to the commencement of any works.
It is an offence under the provisions of the <i>Protection of the Environment Operations Act 1997</i> to act in a manner causing, or likely to cause, harm to the environment. Anyone allowing material to enter a waterway or leaving material where it can be washed off-site may be subject to a penalty infringement notice ('on-the-spot fine') or prosecution.
Failure to comply with the conditions of consent constitutes a breach of the <i>Environmental Planning and Assessment Act 1979</i> , which may be subject to a penalty infringement notice ('on-the-spot fine') or prosecution.
Any proposed business identification sign or advertising sign should be designed in accordance with the provisions of Newcastle Development Control Plan 2012 and be the subject of a separate Development Application approved prior to erection or placement in position.
A copy of the final Fire Safety Certificate (together with a copy of the current fire safety schedule) is to be given to the Commissioner of NSW Fire Brigades and a further copy of the Certificate (together with a copy of the current fire safety schedule) is to be prominently displayed in the building.
An annual Fire Safety Statement in the form described in Clause 175 of the <i>Environmental Planning and Assessment Regulation 2000</i> is to be submitted to City of Newcastle and a copy (together with a copy of the current fire safety schedule) is to be given to the Commissioner of New South Wales Fire Brigades. A further copy of the Statement (together with a copy of the current fire safety schedule) is to be prominently displayed in the building.
Retaining walls not clearly noted on the approved plans or outside of the parameters of 'exempt development' as specified in <i>State Environmental Planning Policy (Exempt and Complying Development Codes) 2008</i> are to be subject to a separate development application. An application in this regard is to be approved prior to any works relating to the retaining wall taking place.
Any approval for fences on side boundaries, common to other private properties, is independent of any consent or agreement which may be required of any adjoining owner under the provisions of the <i>Dividing Fences Act 1991</i> .
Prior to commencing any building works, the following provisions of Division 6.2 of the <i>Environmental Planning and Assessment Act 1979</i> are to be complied with:
a) A Construction Certificate is to be obtained; and
b) A Principal Certifier is to be appointed for the building works and City of Newcastle is to be notified of the appointment; and
c) City of Newcastle is to be given at least two days notice of the date intended for commencement of building works.
Prior to the occupation or use of a new building, or occupation or use of an altered portion of, or an extension to an existing building, an Occupation Certificate is to be obtained from the Principal Certifying Authority appointed for the proposed development. An application for an Occupation Certificate must contain the information set out in Clause 149 of the <i>Environmental Planning and Assessment</i>



Regulation 2000.

#### **END OF CONDITIONS**



#### SCHEDULE 2

# REASONS FOR THE DETERMINATION & CONSIDERATION OF COMMUNITY VIEWS

The determination decision was reached for the following reasons:

- The proposed development, subject to the recommended conditions, is consistent with the objectives of the applicable environmental planning instruments, being; *Newcastle Local Environmental Plan 2012* and applicable State Environmental Planning Policies.
- The proposed development is, subject to the recommended conditions, consistent with the objectives of the Newcastle Development Control Plan 2012.
- The proposed development is considered to be of an appropriate scale and form for the site and the character of the locality.
- The proposed development has appropriate management and mitigation of impacts through conditions of consent.
- The proposed development, subject to the recommended conditions, will not result in unacceptable adverse impacts upon the natural or built environments.
- The proposed development is a suitable and planned use of the site and its approval is within the public interest.
- The proposed height of buildings development standard variation, made under Clause 4.6 of the Newcastle Local Environmental Plan 2012, has been considered and accepted.

#### REASONS WHY THE CONDITIONS HAVE BEEN IMPOSED

The following conditions are applied to:

- Confirm and clarify the terms of City of Newcastle's determination;
- Identify modifications and additional requirements that will result in improved compliance, development and environmental outcomes;
- Prevent, minimise, and/or offset adverse environmental impacts including economic and social impacts;
- Set standards and measures for acceptable environmental performance; and
- Provide for the ongoing management of the development.



#### ATTACHMENTS DISTRIBUTED UNDER SEPARATE COVER

DAC 17/05/22 – 20 DENISON STREET NEWCASTLE WEST – MA2021/00470 - SEC 4.55(2) MODIFICATION TO DA2018/01498 - SHOP TOP HOUSING - CHANGES TO FLOOR PLANS AND ELEVATIONS

ITEM-7 Attachment C: Processing Chronology



#### **PROCESSING CHRONOLOGY**

#### MA2021/00470 – 20 Denison Street, Newcastle West

29 November 2021	-	Modification application lodged
9 December 2021 - 14 January 2022	-	Public Notification Period
7 December 2021	-	Internal referrals commenced: Engineering
17 February 2022	-	Internal referrals received: Engineering
17 February 2022	-	Request for additional information
14 March 2022	-	Internal referral commenced: Waste
15 March 2022	-	Internal referral received: Waste
24 February 2022	-	Response to request for additional information
24 February 2022	-	Urban Design Review Panel meeting
30 March 2022	-	Response to Urban Design Review Panel comments
31 March 2022	-	Further internal referral commenced: Waste
31 March 2022	-	Further internal referral received: Waste
17 May 2022	-	Development Applications Committee meeting